SELECT VEHICLE
PRINT PAGES NEEDED

iDatalink maestro RR

HOW TO USE THIS INSTALL GUIDE

1. Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
2. Print only the pages for your vehicle using the advanced options in the Print menu.
3. Install your Maestro RR according to the guide for your vehicle.

WARNING

Pressing the printer icon or "quick printing" this document will print all of the guides in this compilation.

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

INSTALL GUIDE

2008-2014
FORD ECONOLINE

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

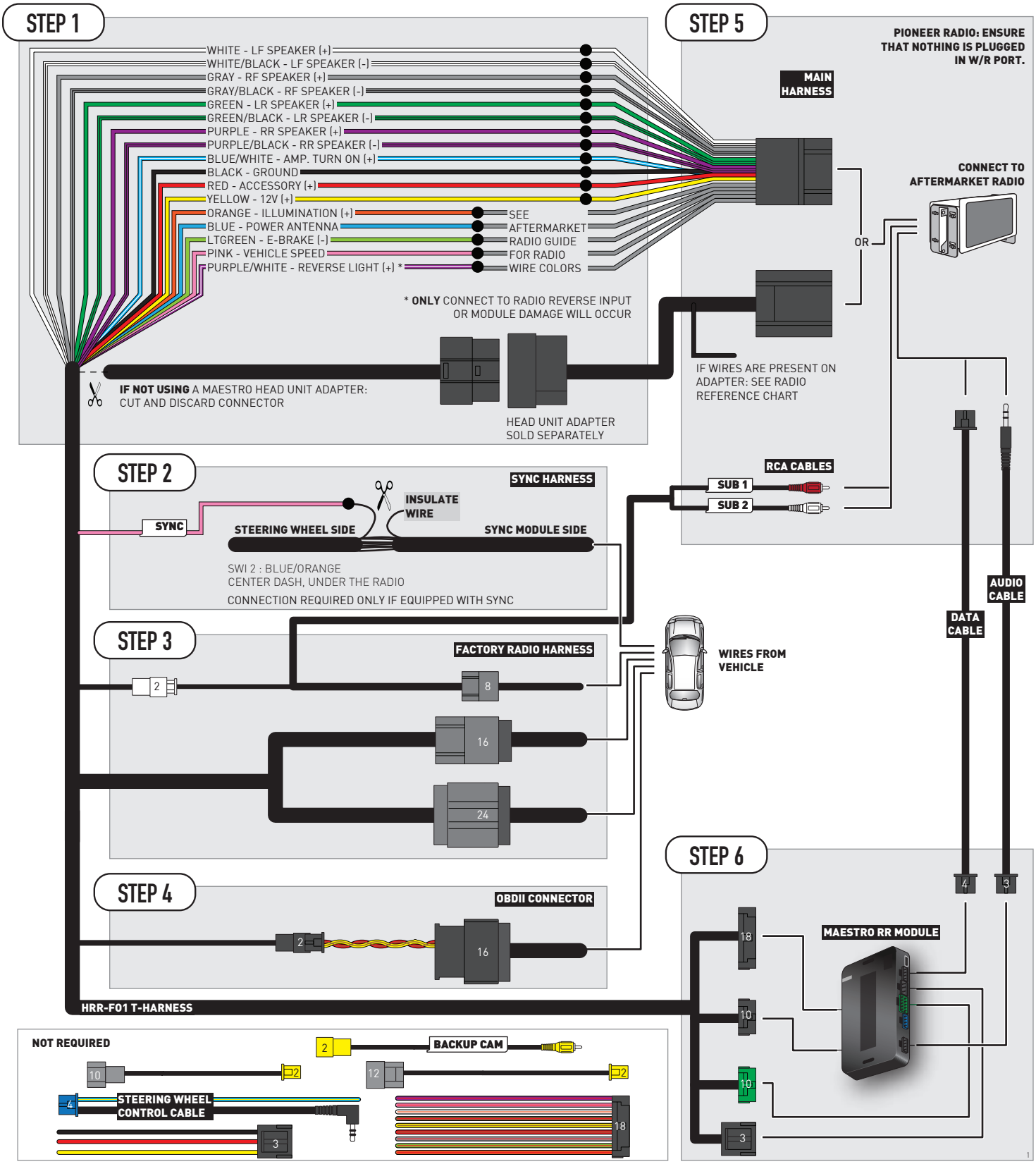
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2010
FORD EDGE

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

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NEED HELP?

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maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

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Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

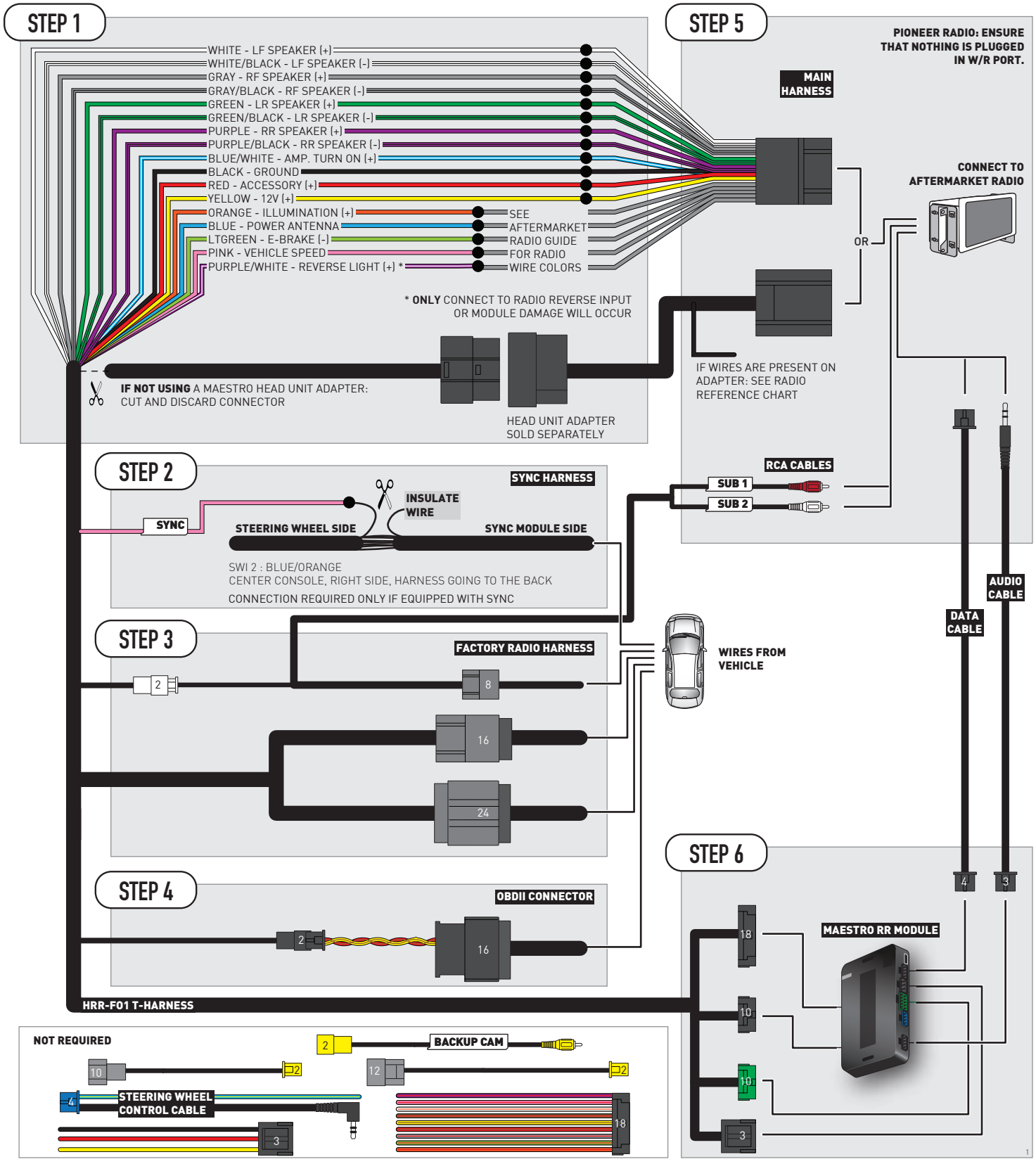
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
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- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2012
FORD ESCAPE

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



+





HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

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NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

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Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

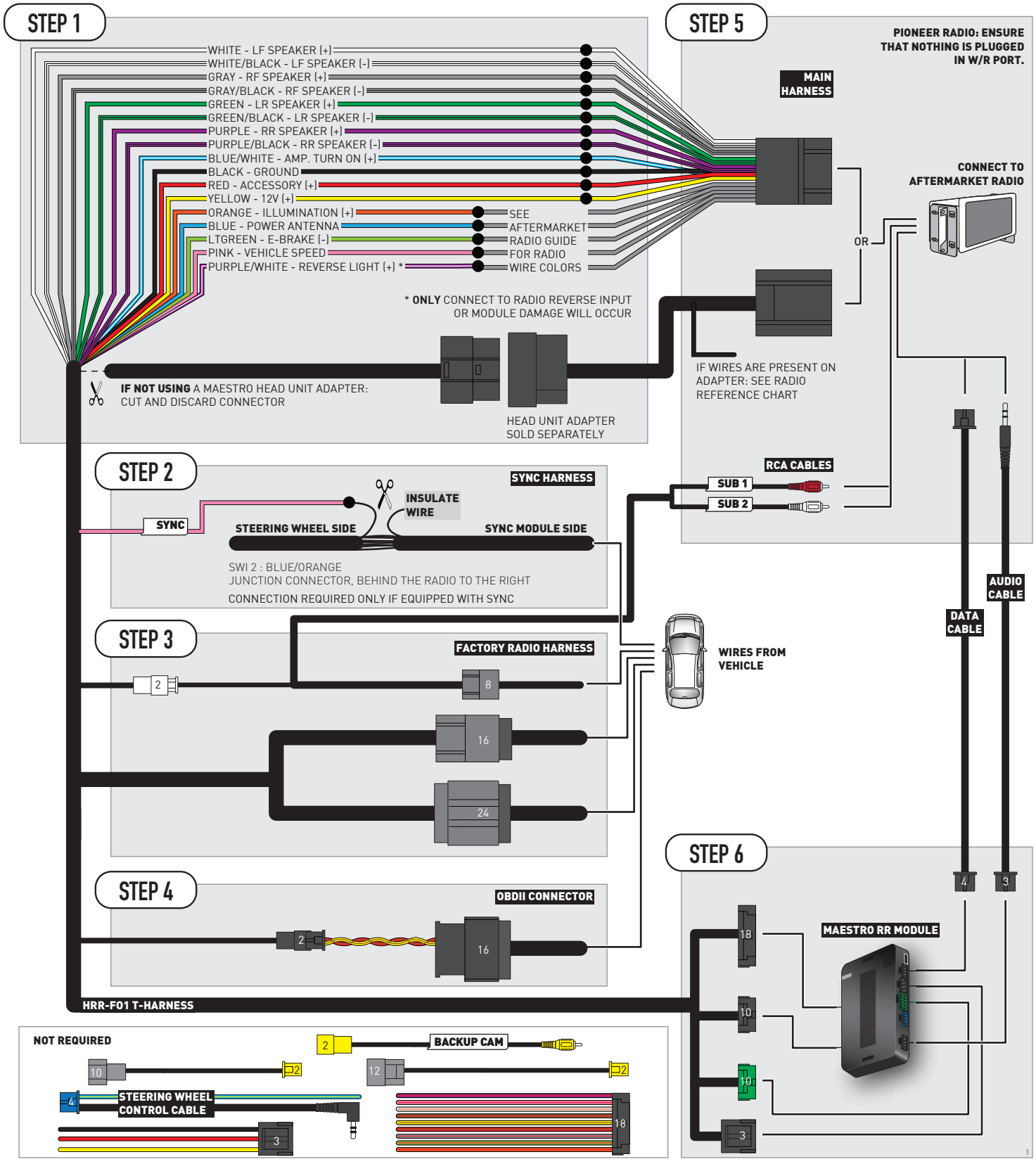
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Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



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Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

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Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

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	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
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PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2014
FORD EXPEDITION

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

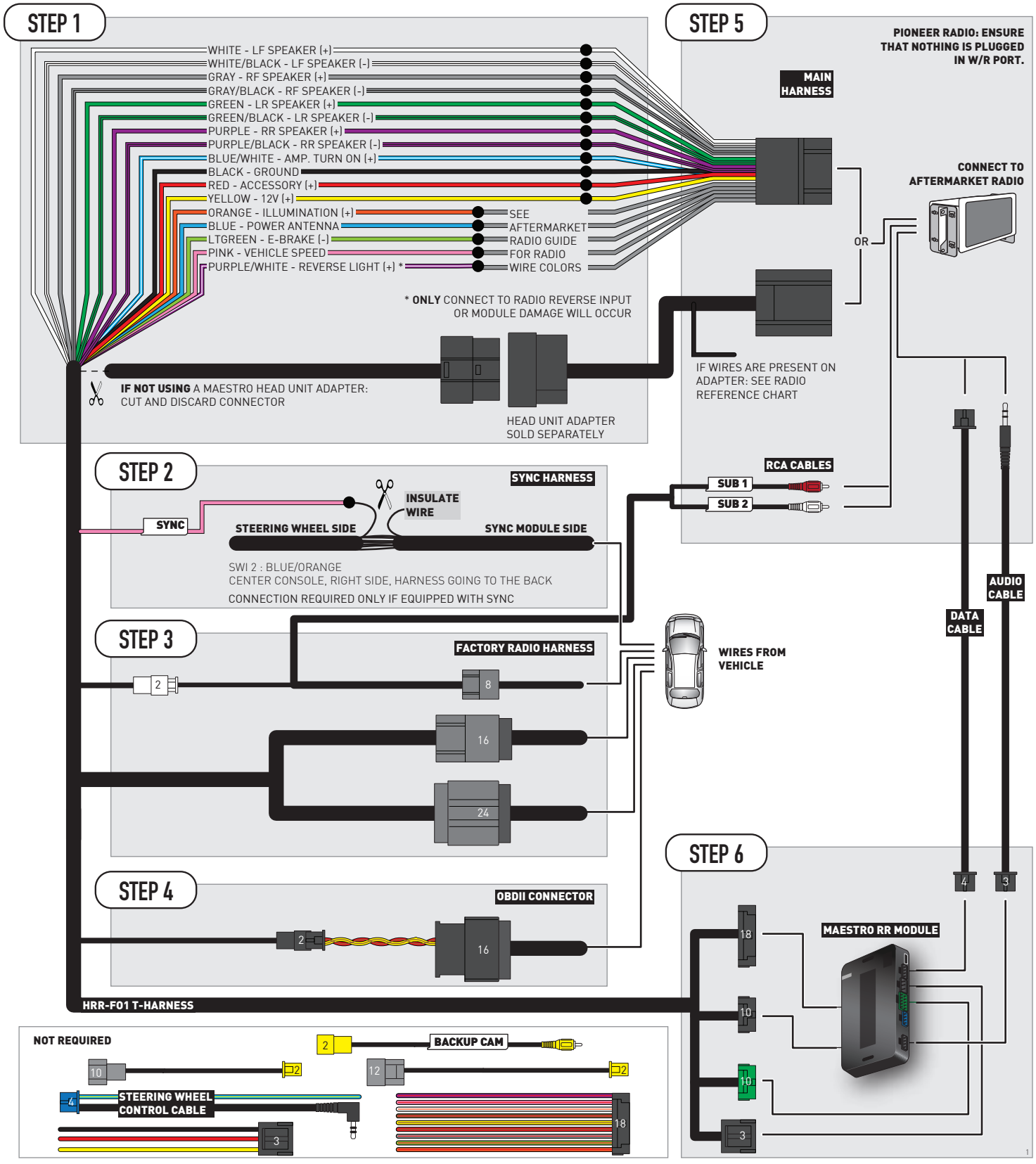
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2010
FORD EXPLORER

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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

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Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

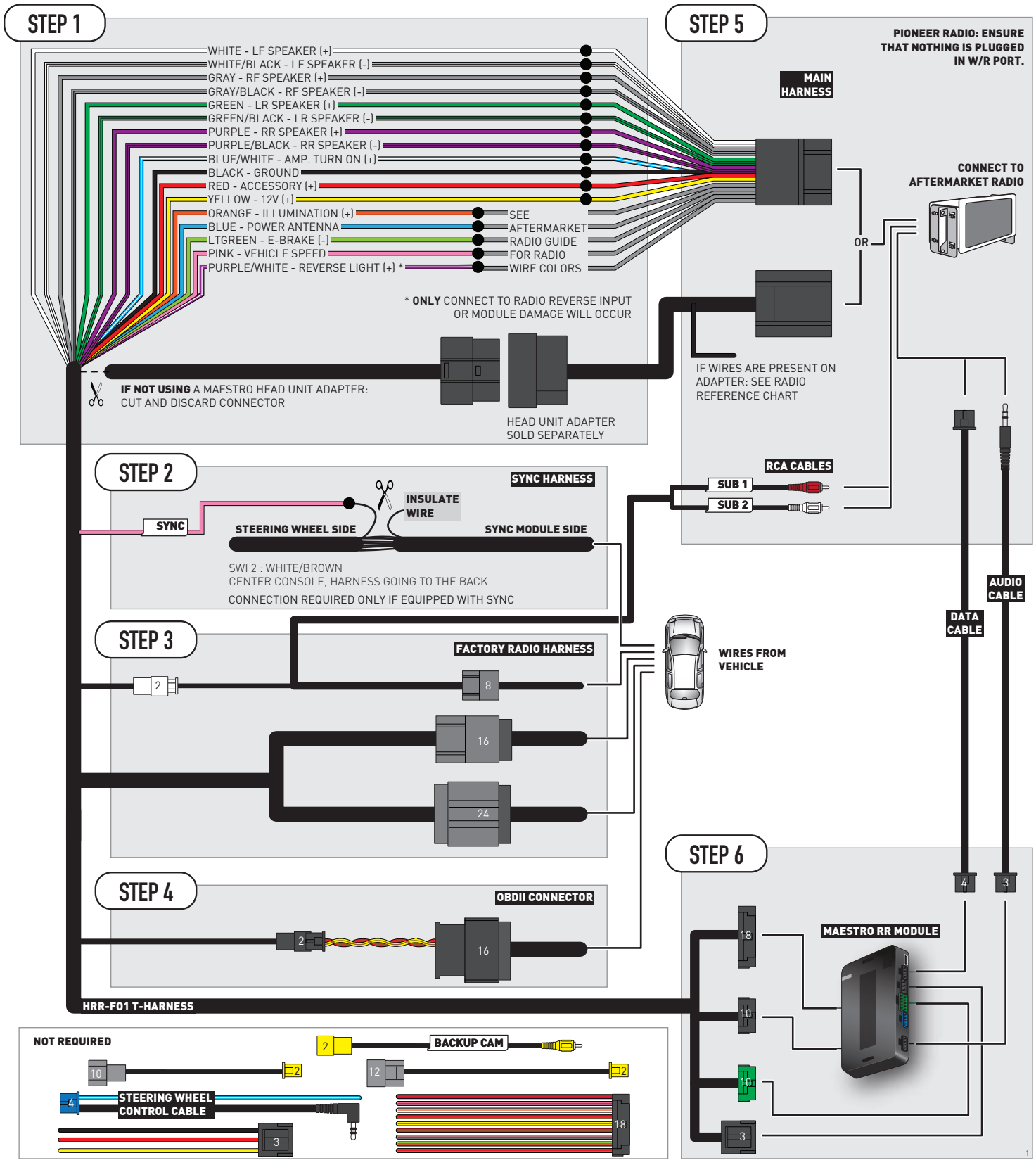
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2010
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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

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Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

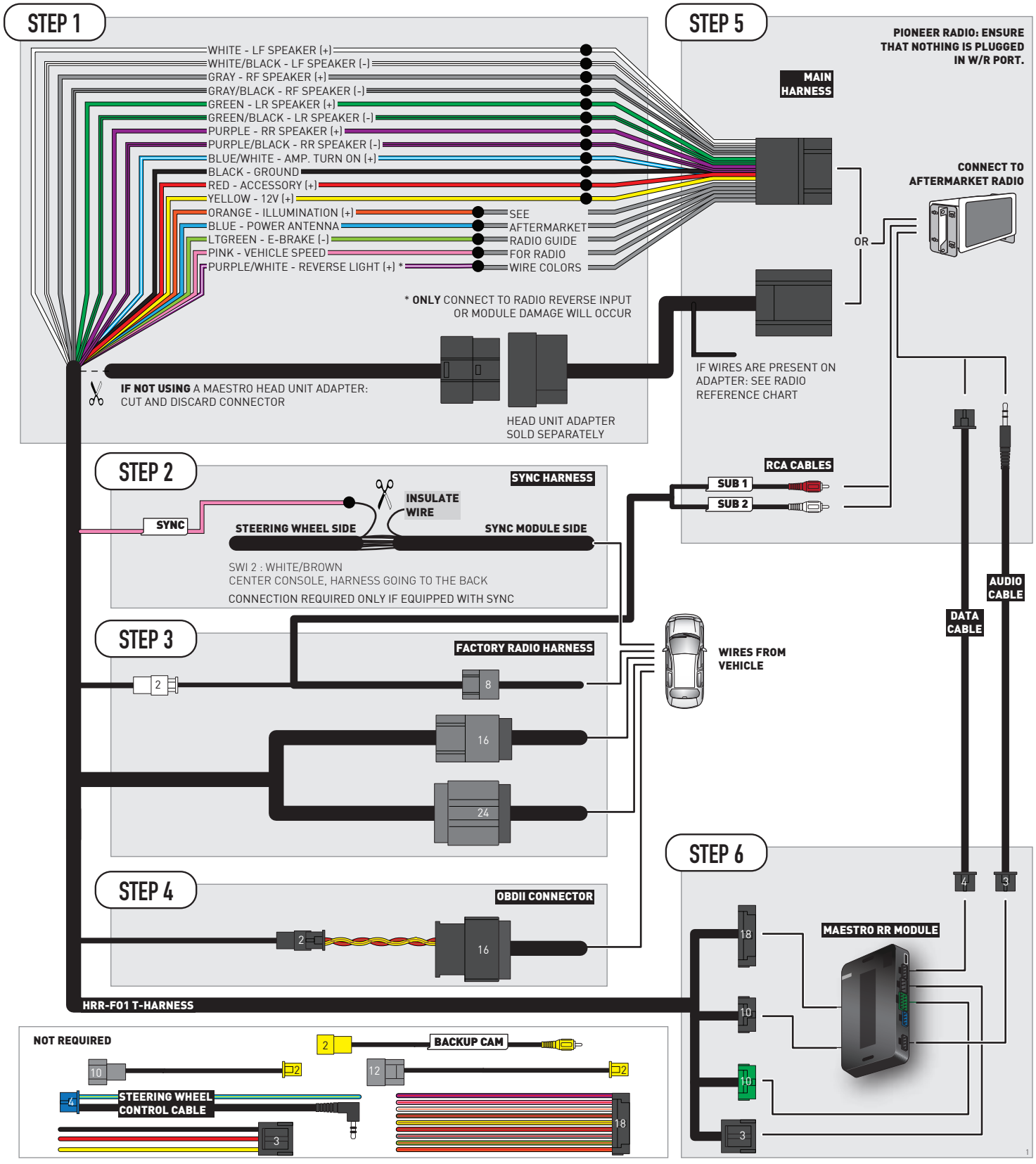
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2010
FORD F-SERIES SUPER DUTY

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

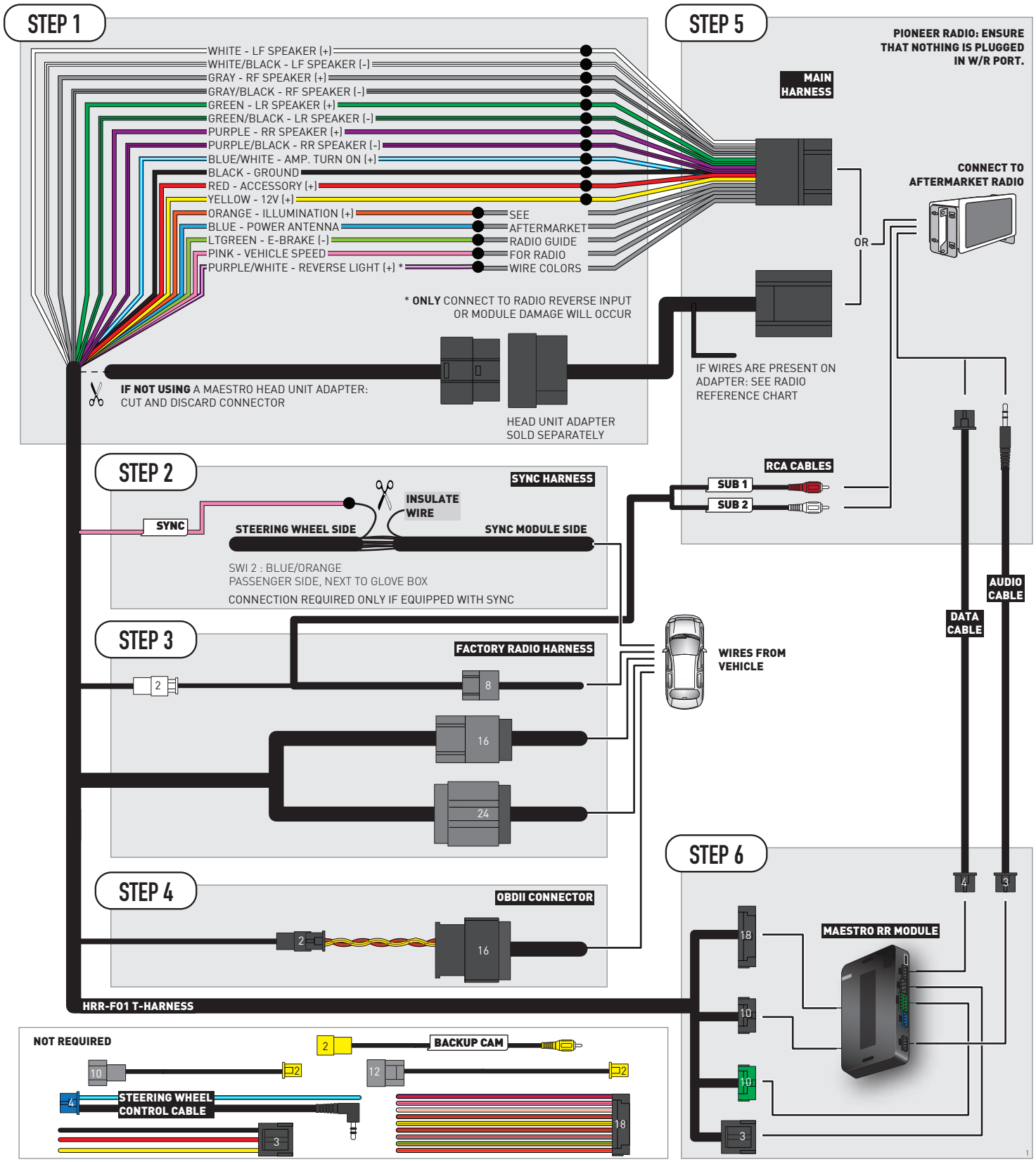
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2011-2016
FORD F-SERIES SUPER DUTY
WITH NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-FO1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-FO1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-FO1 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the HRR-FO1 2-pin white connector to FO1 subwoofer cable.
- Connect the factory harness to the HRR-FO1 T-harness.

STEP 3

- Connect HRR-FO1 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory backup camera harness to the HRR-FO1 10-pin gray connector. Connect that cable to the HRR-FO1 backup camera cable.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Connect the backup cam cable into the aftermarket radio.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

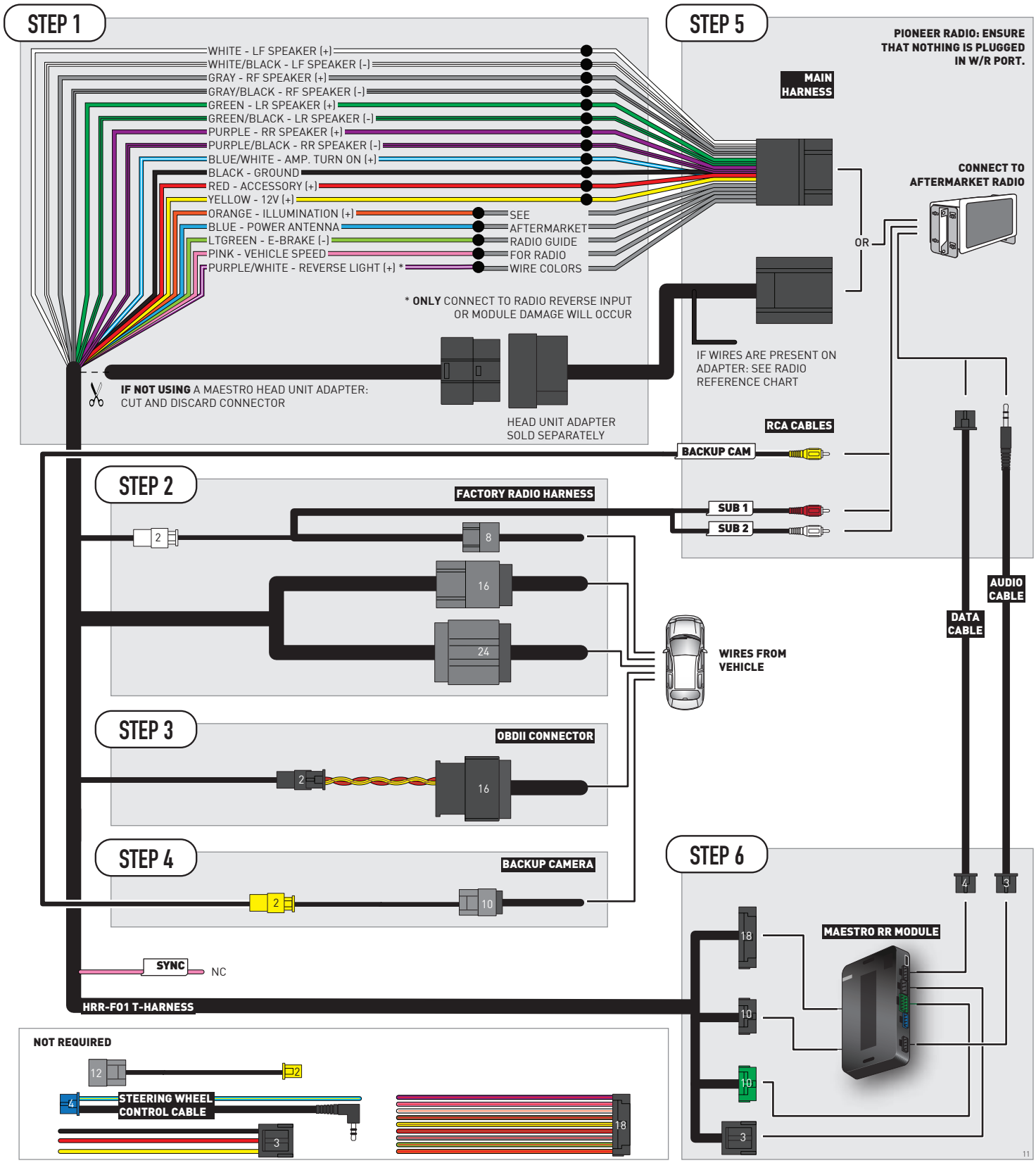
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2011-2016
FORD F-SERIES SUPER DUTY
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-RR-DS3

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

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Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-FO1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-FO1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-FO1 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the HRR-FO1 2-pin white connector to FO1 subwoofer cable.
- Connect the factory harness to the HRR-FO1 T-harness.

STEP 3

- Connect HRR-FO1 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

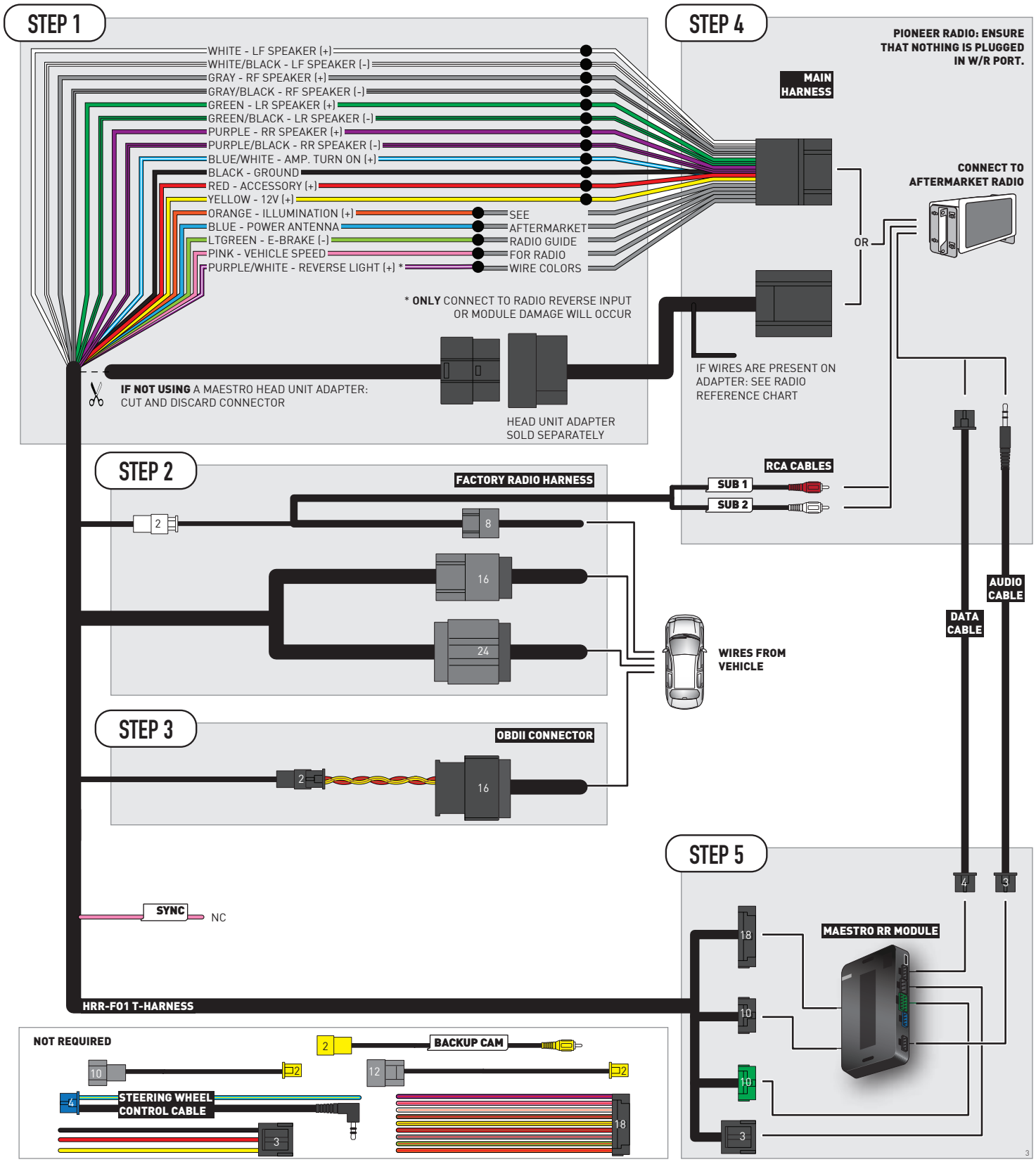
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2012
FORD F150
WITH NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-FO1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-FO1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-FO1 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the HRR-FO1 2-pin white connector to FO1 subwoofer cable.
- Connect the factory harness to the HRR-FO1 T-harness.

STEP 3

- Connect HRR-FO1 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory backup camera harness to the HRR-FO1 12-pin gray connector. Connect that cable to the HRR-FO1 backup camera cable.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Connect the backup cam cable into the aftermarket radio.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

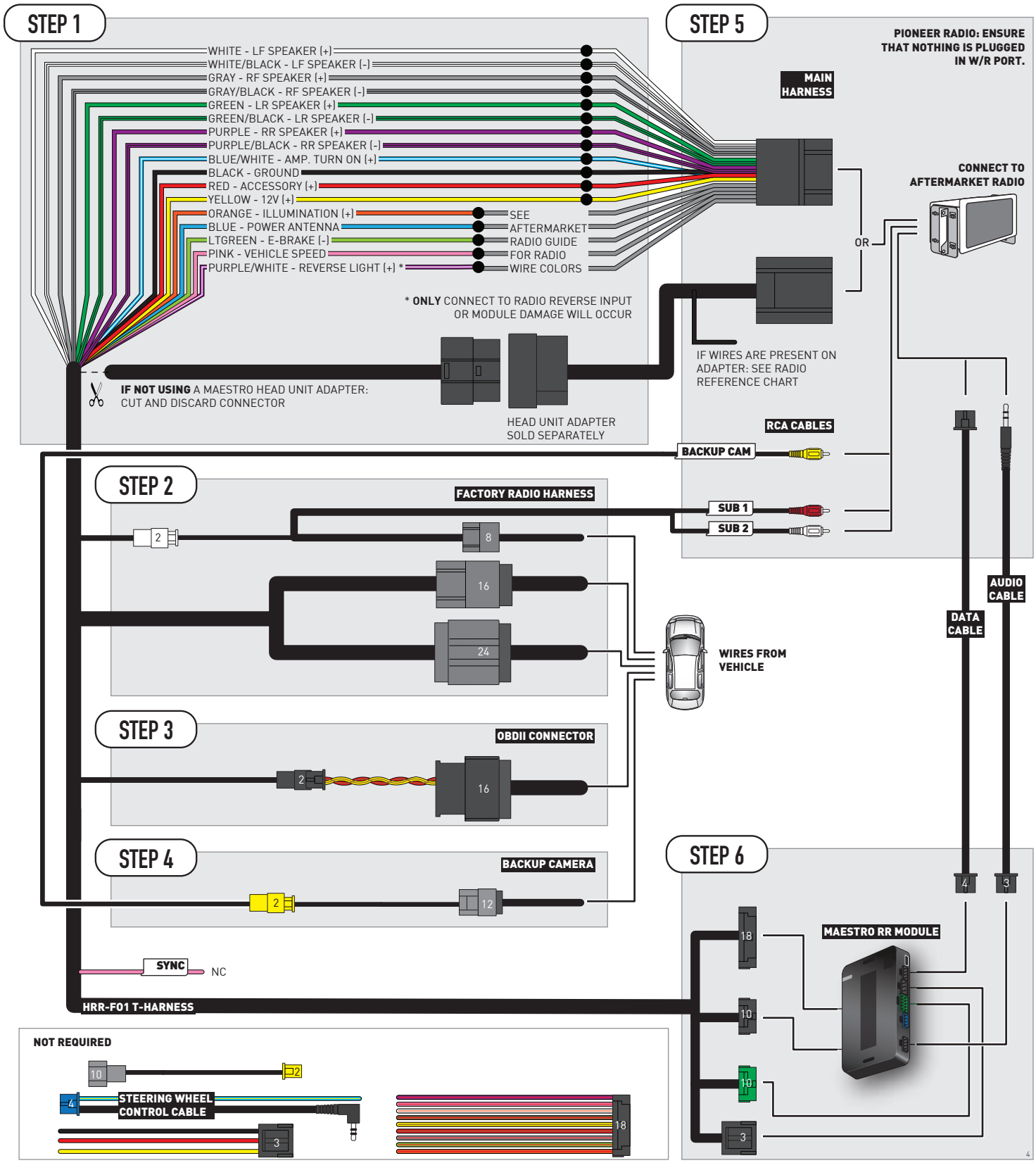
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

4

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2010
FORD F150
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

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Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

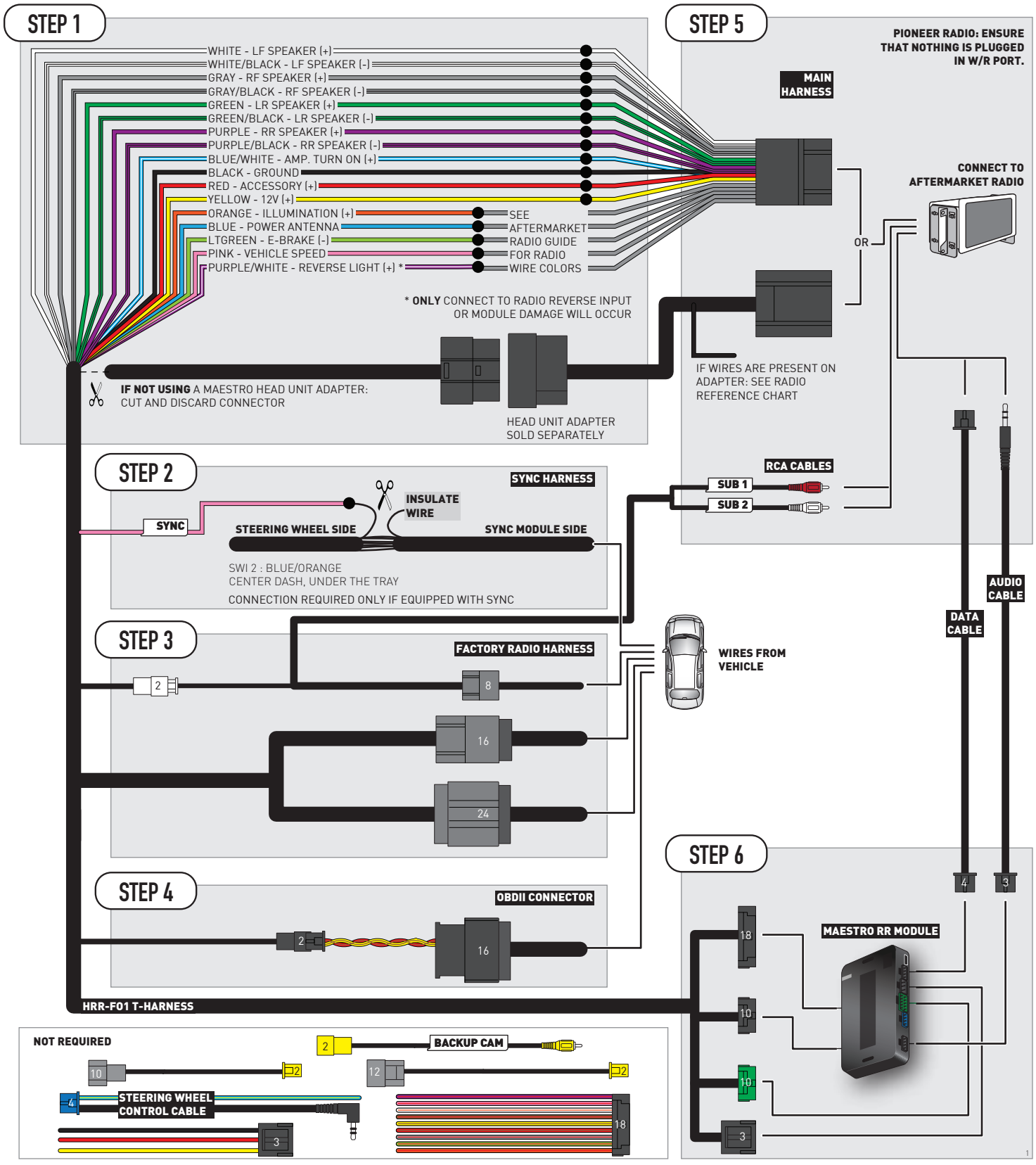
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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
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TROUBLESHOOTING TABLE P2 /2

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Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

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INSTALL GUIDE

2011-2014
FORD F150
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



+





HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

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NEED HELP?

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maestro.support@idatalink.com

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HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
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Software to program module. — WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-FO1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-FO1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-FO1 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the HRR-FO1 2-pin white connector to FO1 subwoofer cable.
- Connect the factory harness to the HRR-FO1 T-harness.

STEP 3

- Connect HRR-FO1 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

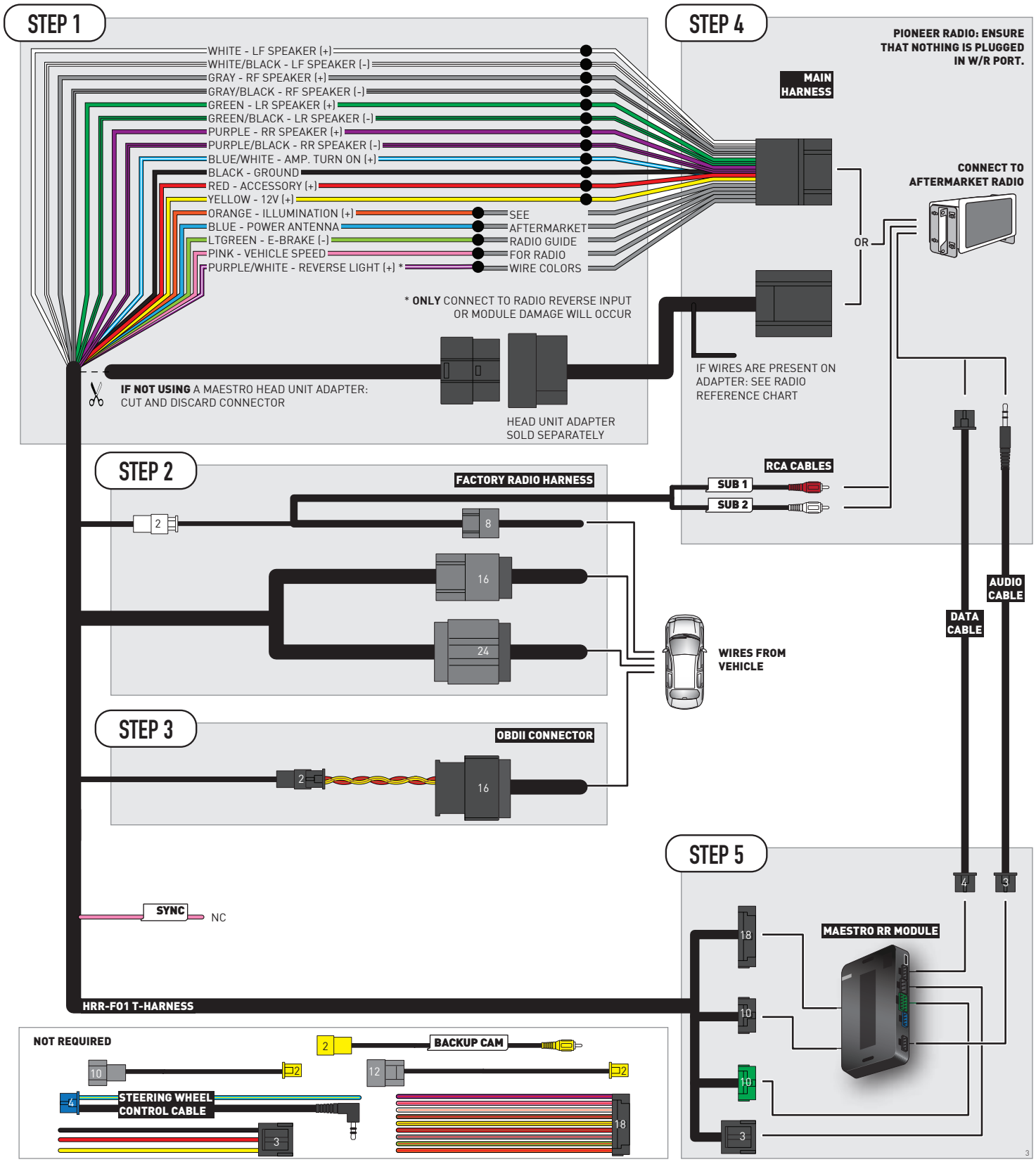
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2007
FORD FIVE HUNDRED

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs

Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-FO1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-FO1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-FO1 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the HRR-FO1 2-pin white connector to FO1 subwoofer cable.
- Connect the factory harness to the HRR-FO1 T-harness.

STEP 3

- Connect HRR-FO1 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

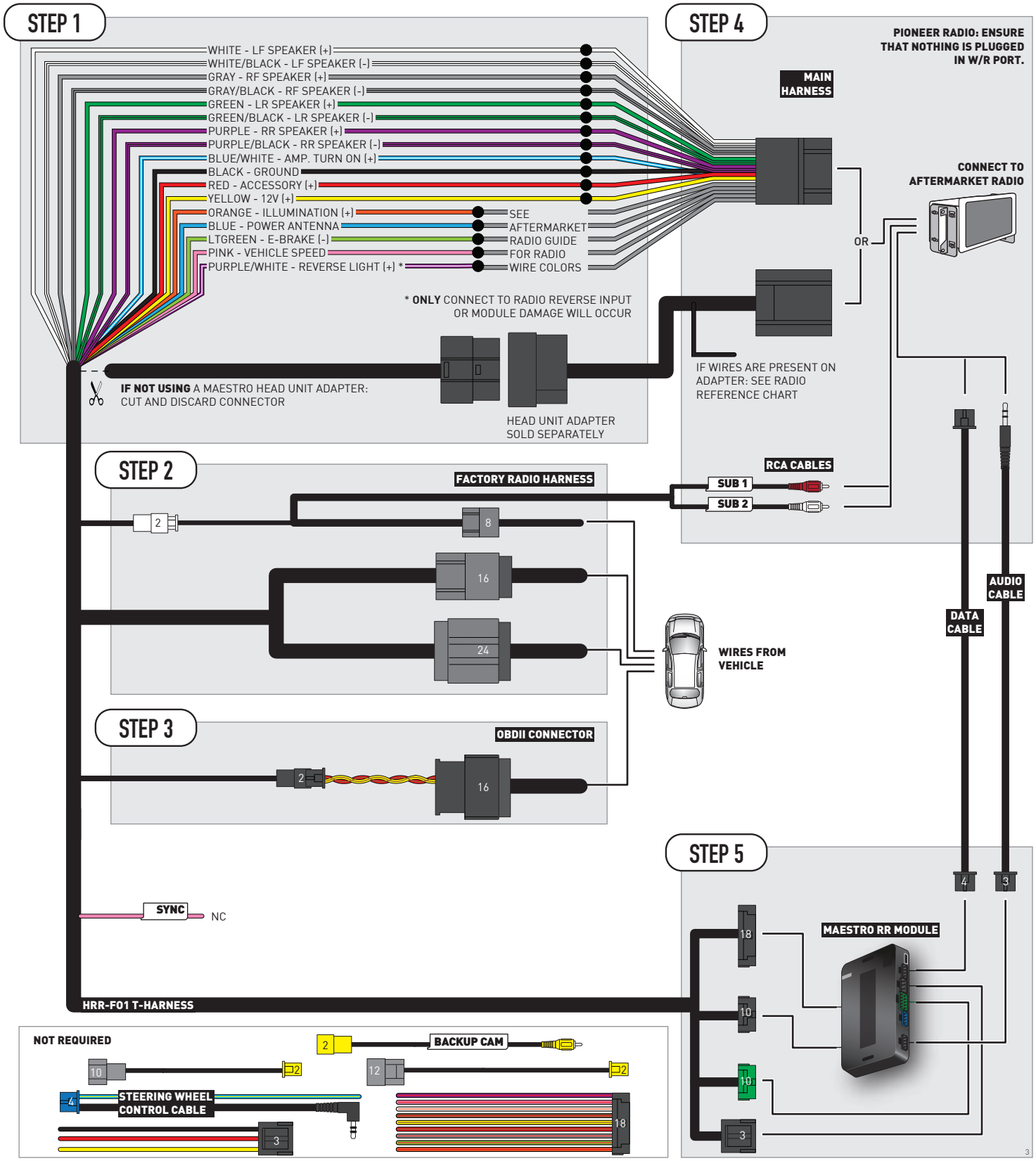
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STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

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Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2012
FORD FLEX
WITH NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

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Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Connect the factory backup camera harness to the HRR-F01 10-pin gray connector. Connect that cable to the HRR-F01 backup camera cable.

STEP 6

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Connect the backup cam cable into the aftermarket radio.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

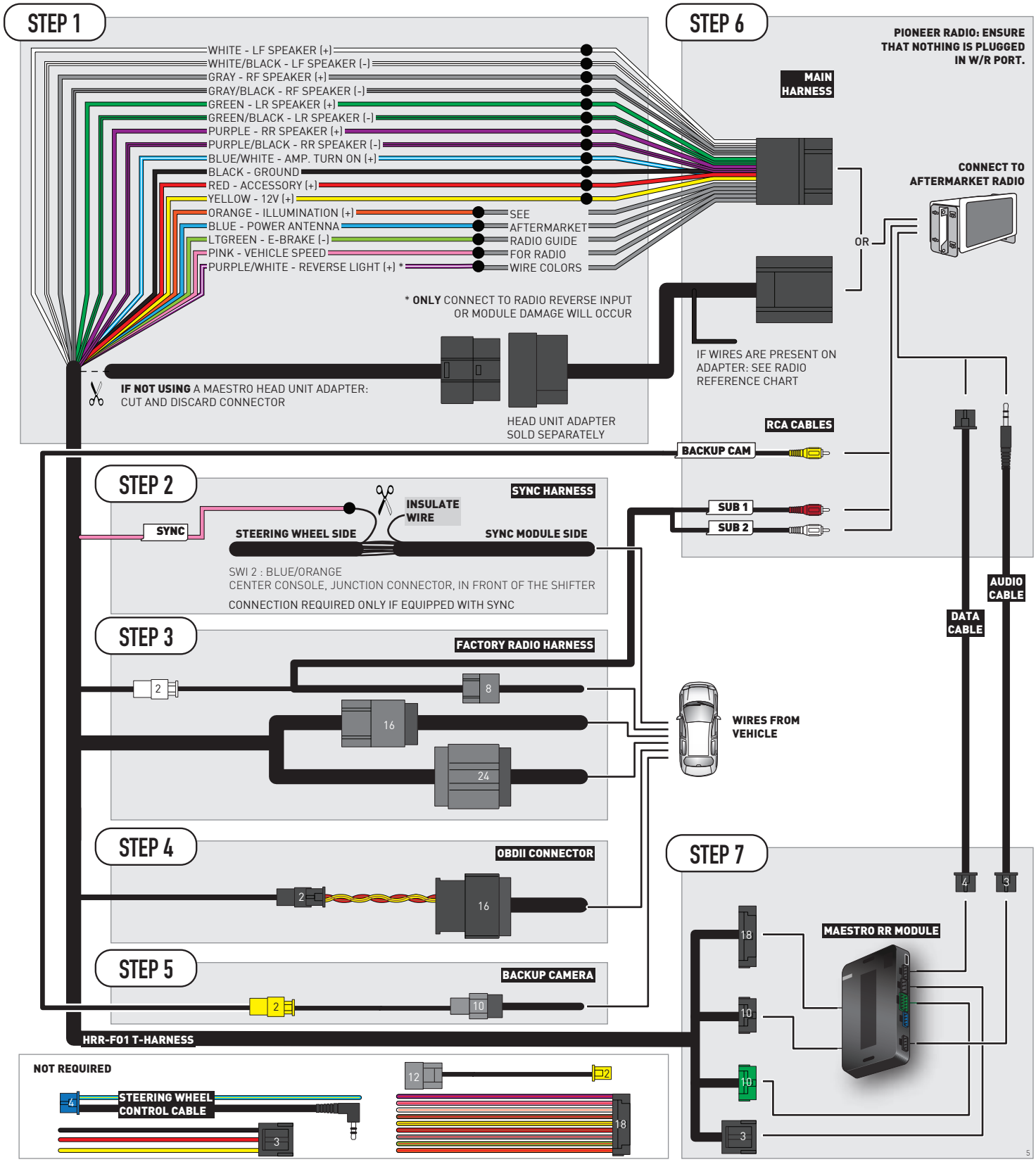
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STEP 7

- Connect all the harnesses to the Maestro RR module then test your installation.

5

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

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ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
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Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

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TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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TROUBLESHOOTING TABLE P2 /2

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Email: maestro.support@idatalink.com

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INSTALL GUIDE

2009-2012
FORD FLEX
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

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iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

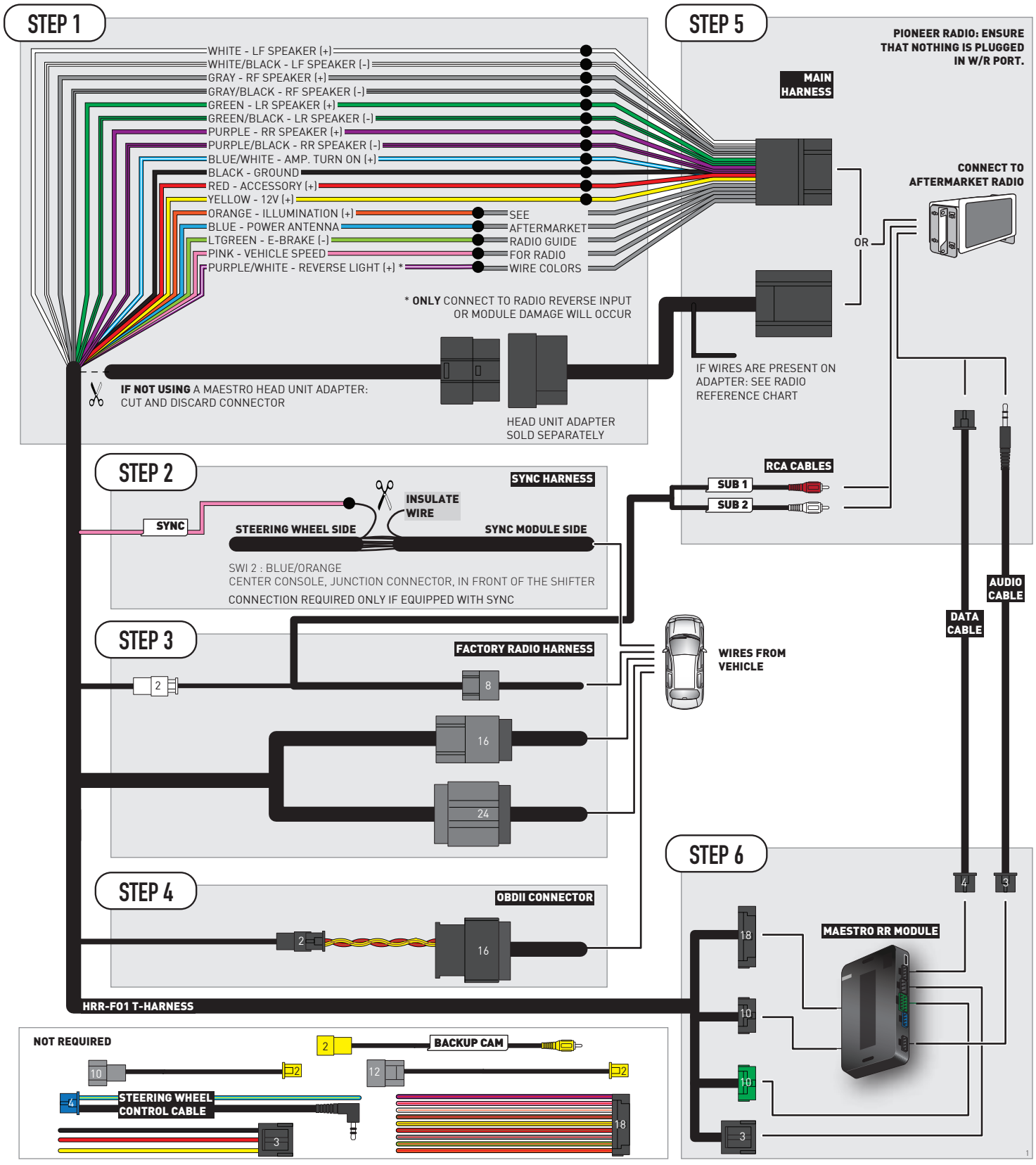
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2011
FORD FOCUS

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-RR-DS3

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WELCOME

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NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

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Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

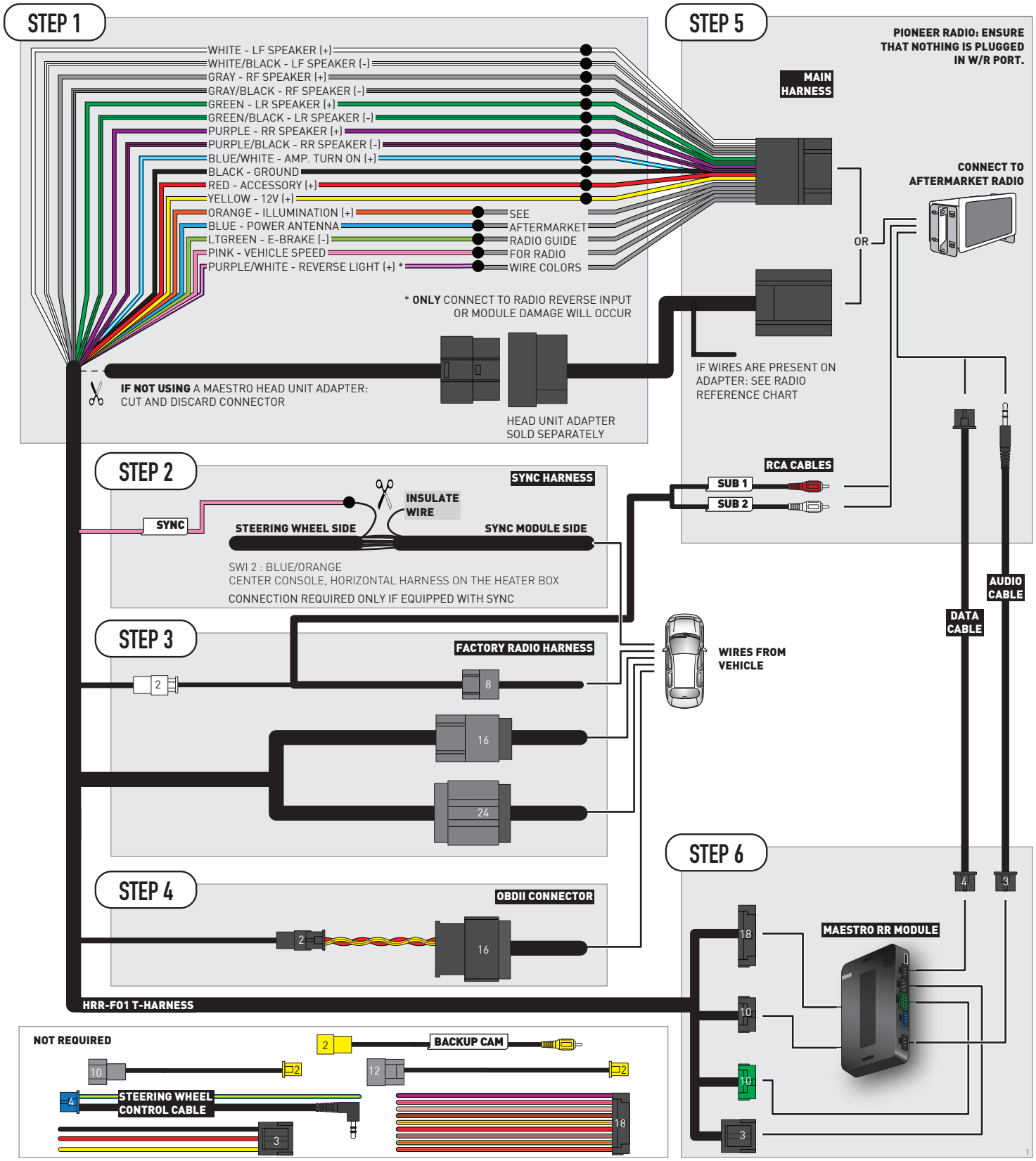
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2009
FORD FUSION

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

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NEED HELP?

1 866 427-2999

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ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
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Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

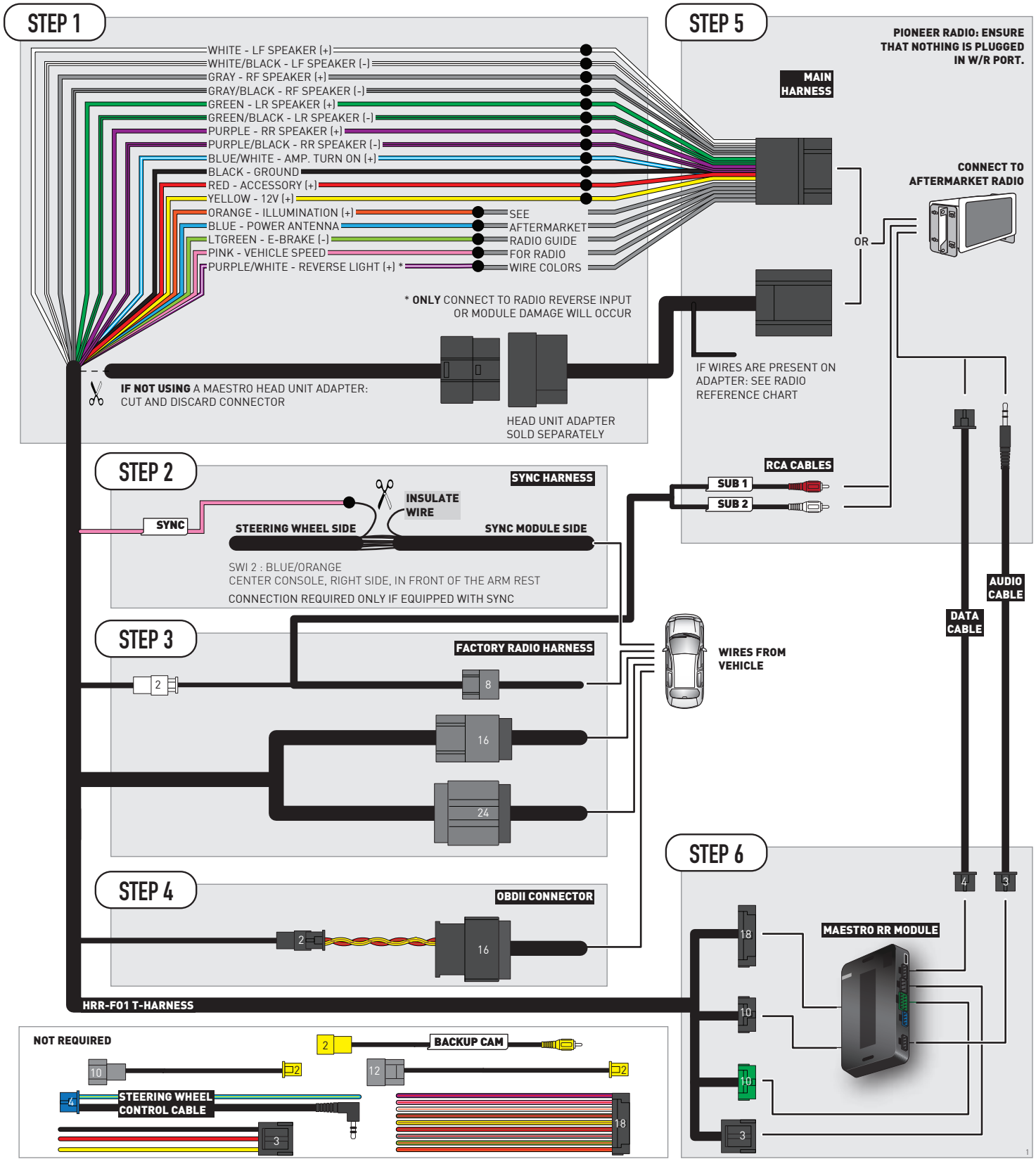
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STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2010-2012
FORD FUSION
WITH NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Connect the factory backup camera harness to the HRR-F01 12-pin gray connector. Connect that cable to the HRR-F01 backup camera cable.

STEP 6

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Connect the backup cam cable into the aftermarket radio.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

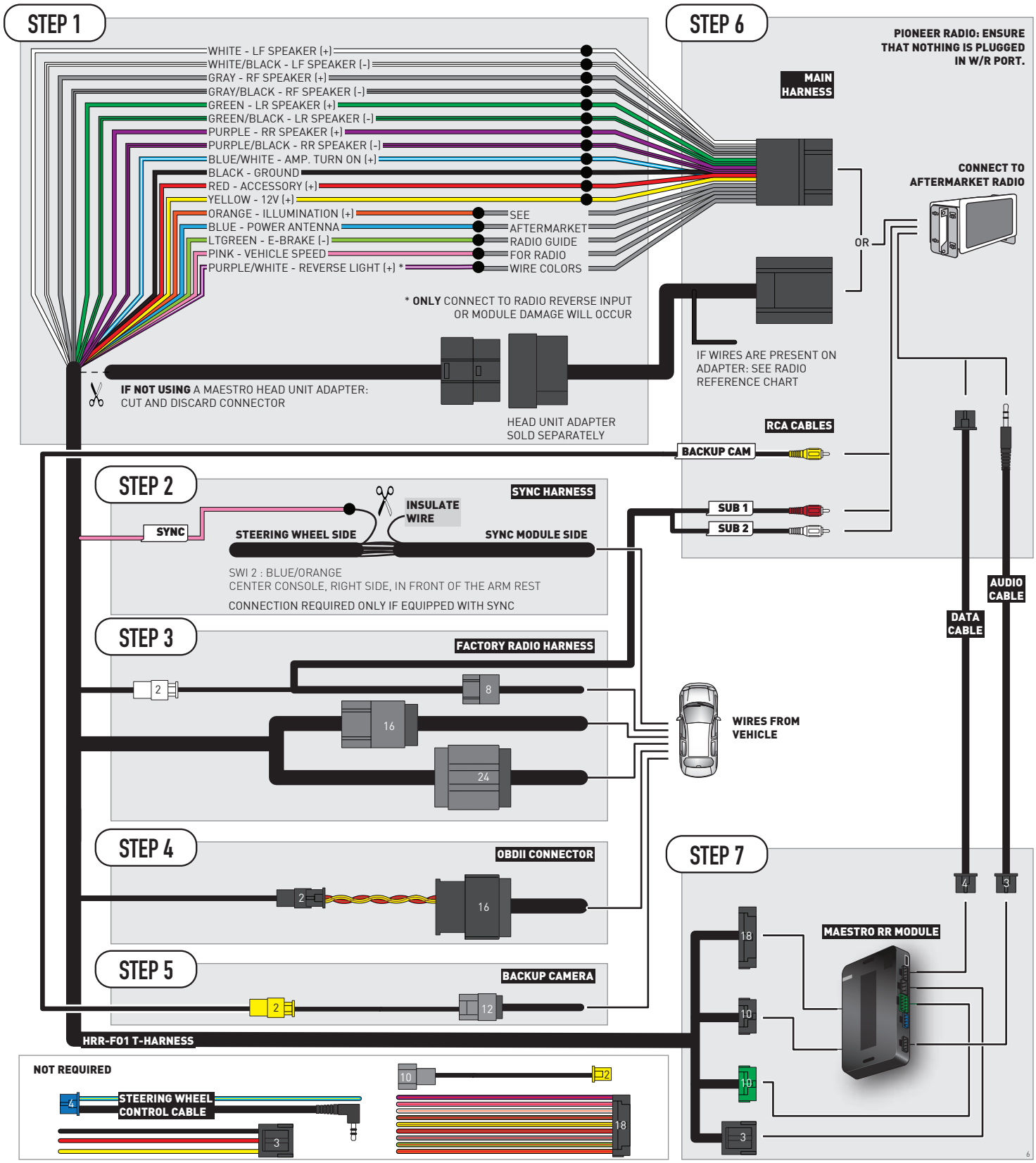
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 7

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2010-2012
FORD FUSION
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

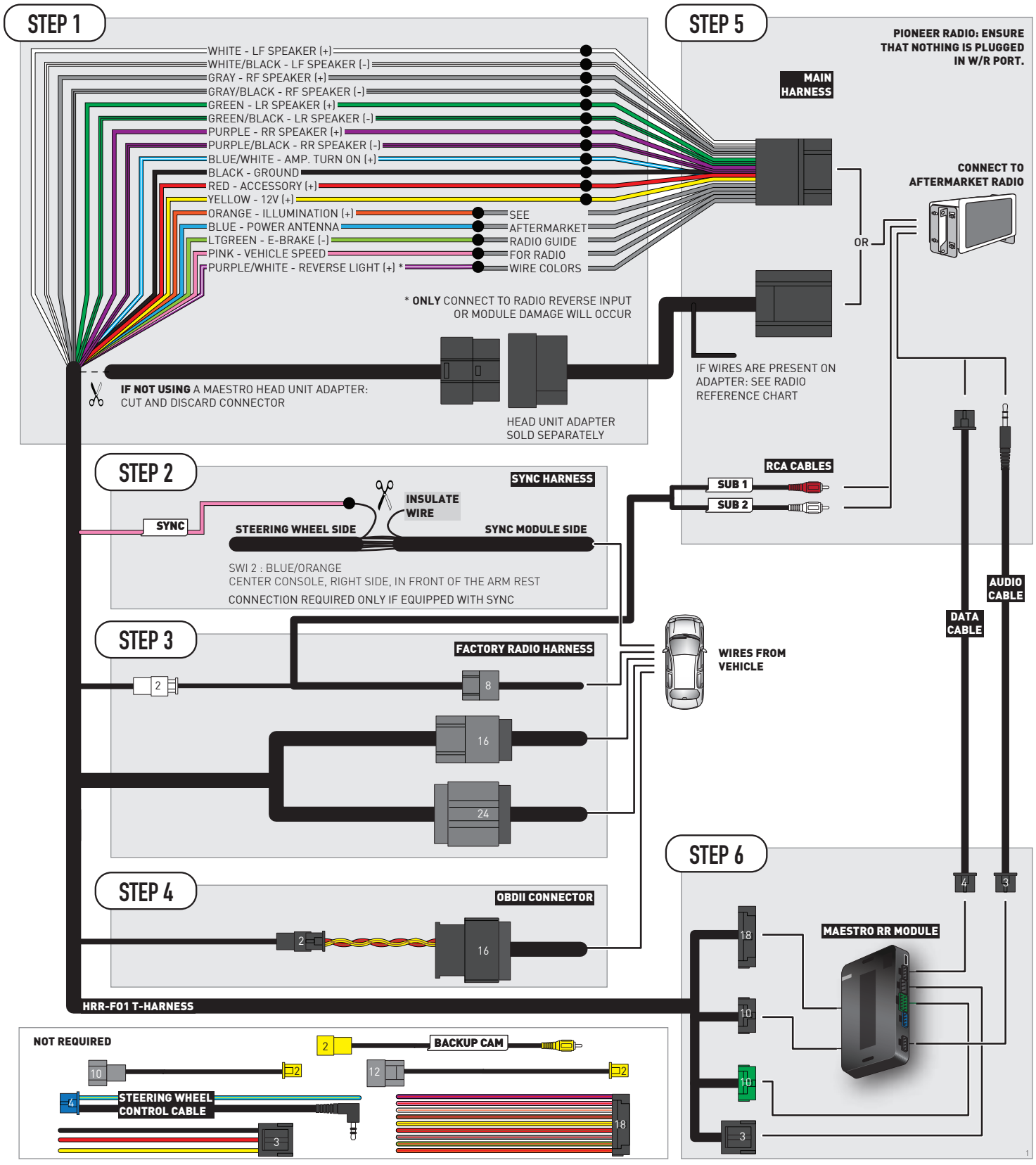
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2009
FORD MUSTANG

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

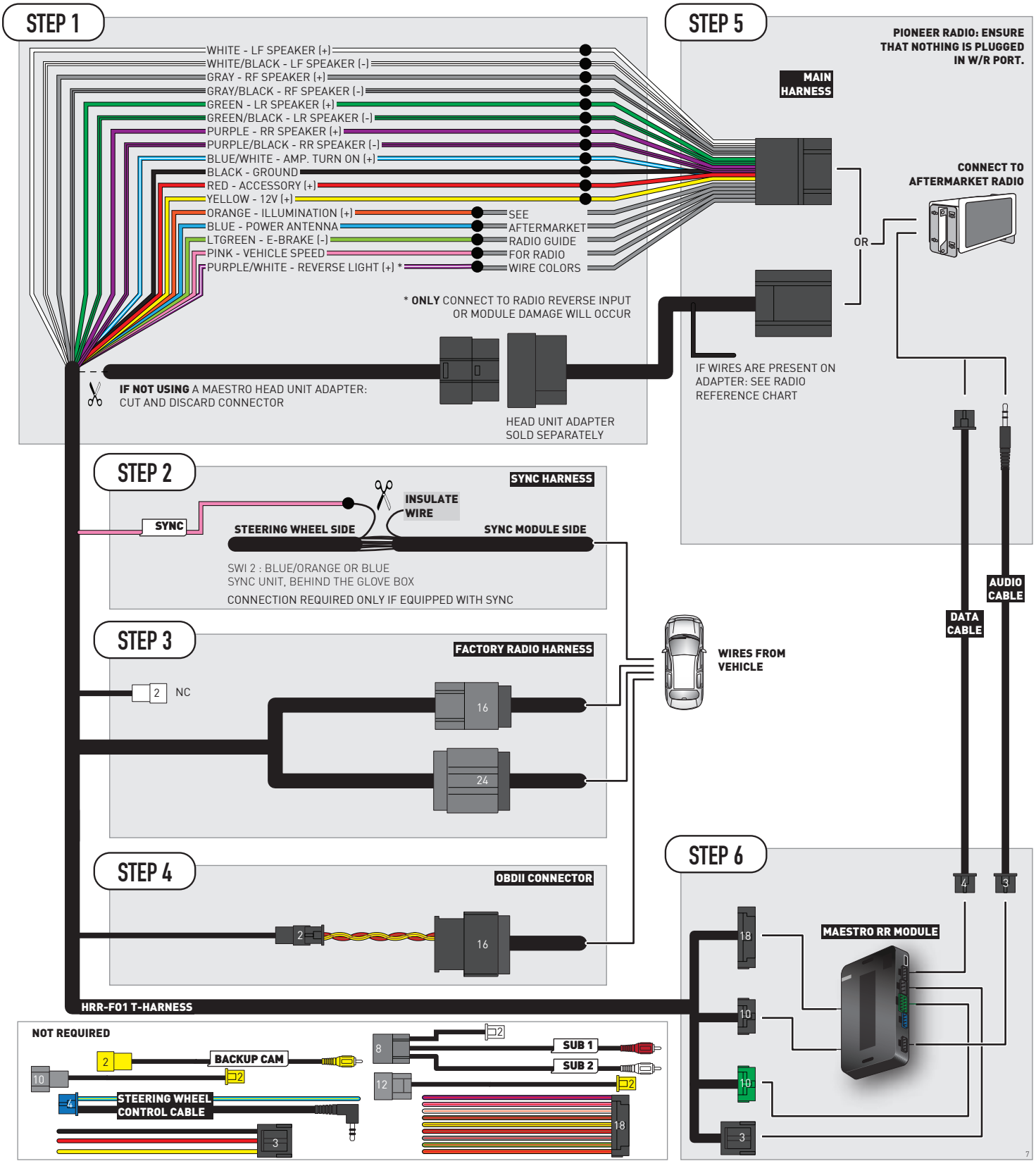
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

7

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2013-2014
FORD MUSTANG
BASE

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

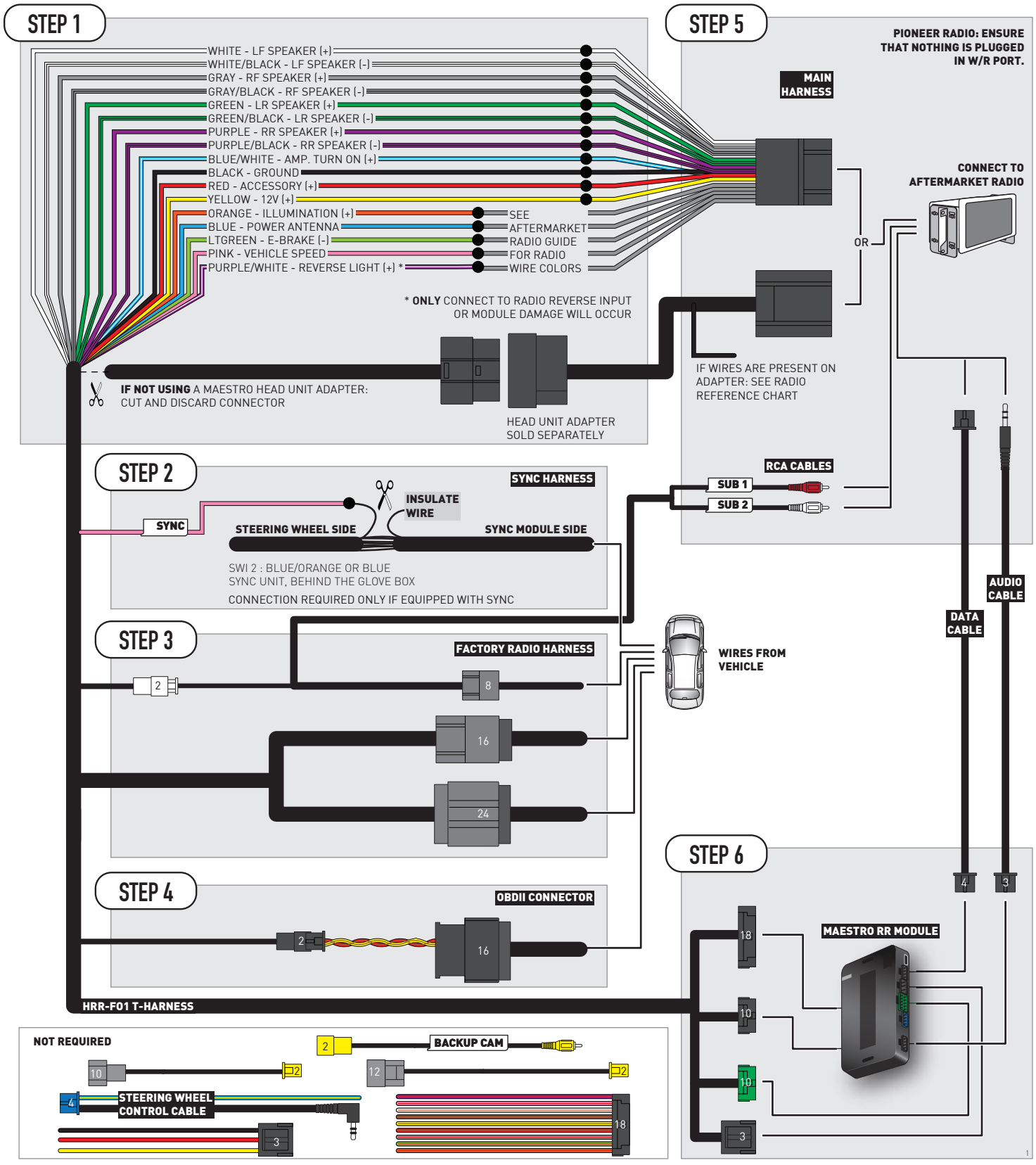
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2010-2014
FORD MUSTANG
WITH NAV WITH SHAKER OR SHAKER PRO

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

Four (4) RCA jack are required to complete this install (sold separately).

STEP 1

- Remove the factory radio
- Locate the speaker wires coming out of the 20-pin black connector (HRR-F01 harness) and cut them away from the connector.
- Connect the white and white/black wires to a RCA connector. Connect the gray and gray/black wires to a RCA connector. Connect the green and green/black wires to a RCA connector. Connect the purple and purple/black wires to a RCA connector.

  If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 3

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory backup camera harness to the HRR-F01 12-pin gray connector. Connect that cable to the HRR-F01 backup camera cable.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

- Connect the backup cam cable into the aftermarket radio.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

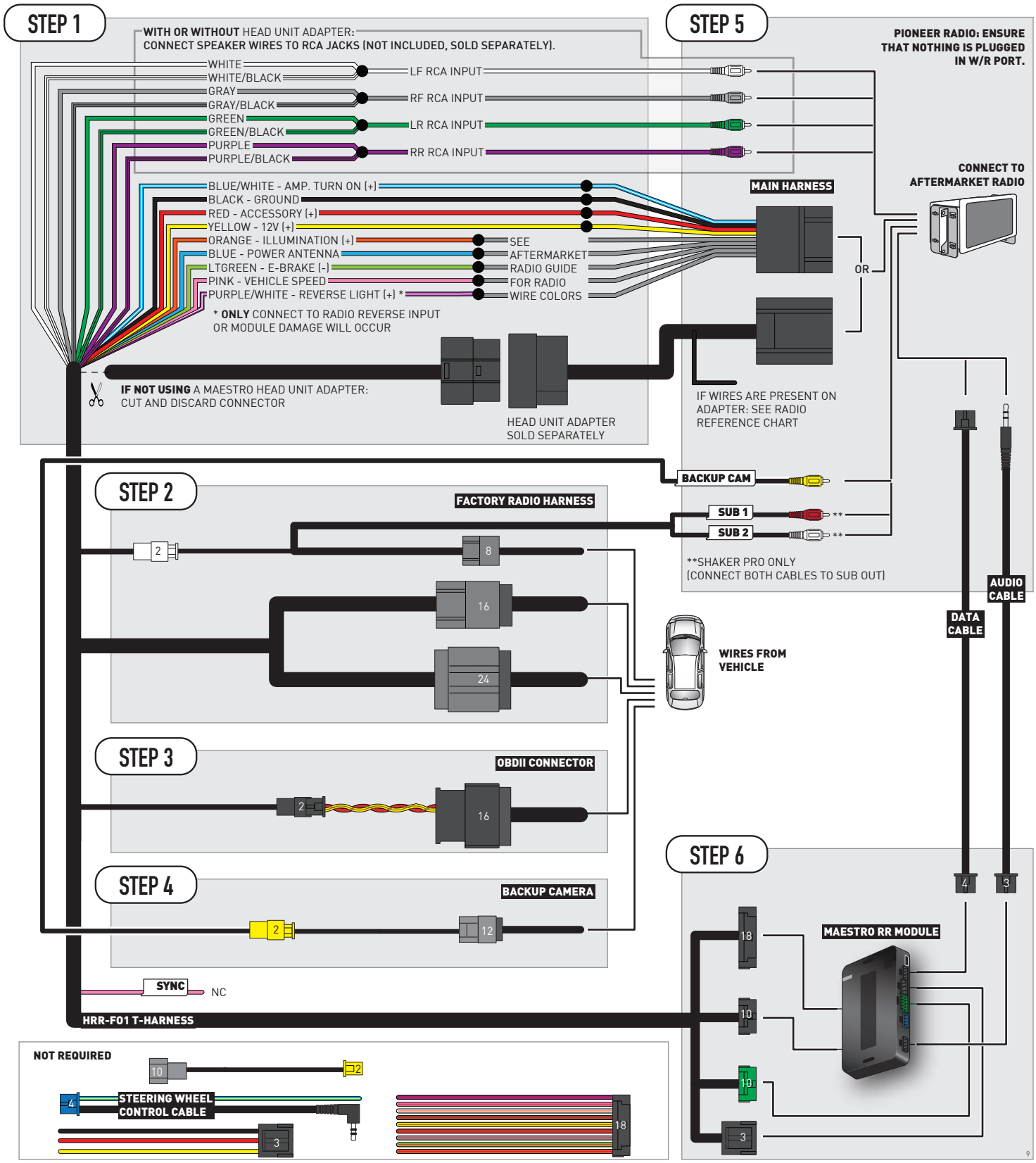
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2010-2014
FORD MUSTANG
WITH NAV WITHOUT SHAKER

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-FO1 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-FO1 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-FO1 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the factory harness to the HRR-FO1 T-harness.

STEP 3

- Connect HRR-FO1 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Connect the factory backup camera harness to the HRR-FO1 12-pin gray connector. Connect that cable to the HRR-FO1 backup camera cable.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

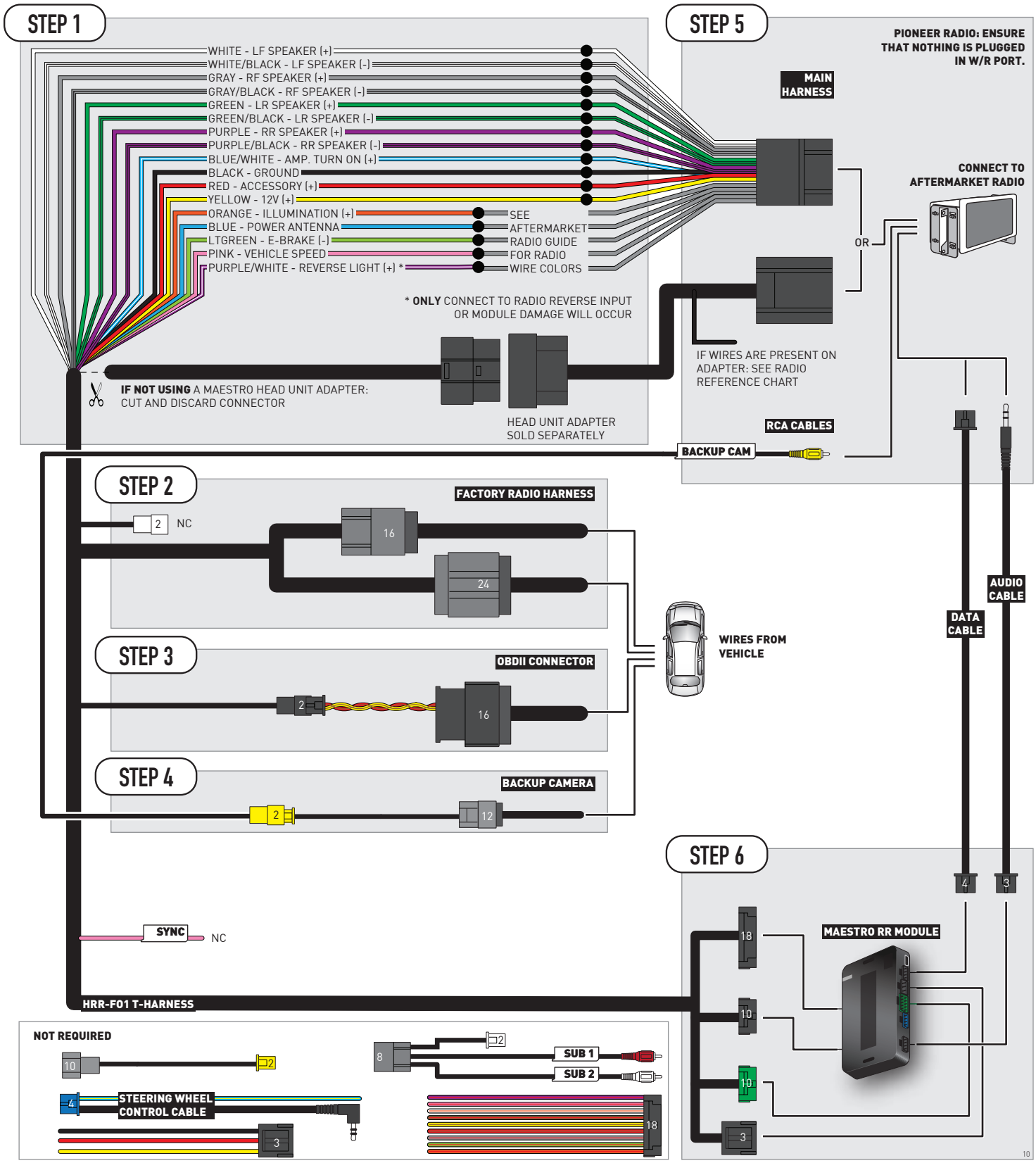
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Connect the backup cam cable into the aftermarket radio.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2010-2012
FORD MUSTANG
WITHOUT NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

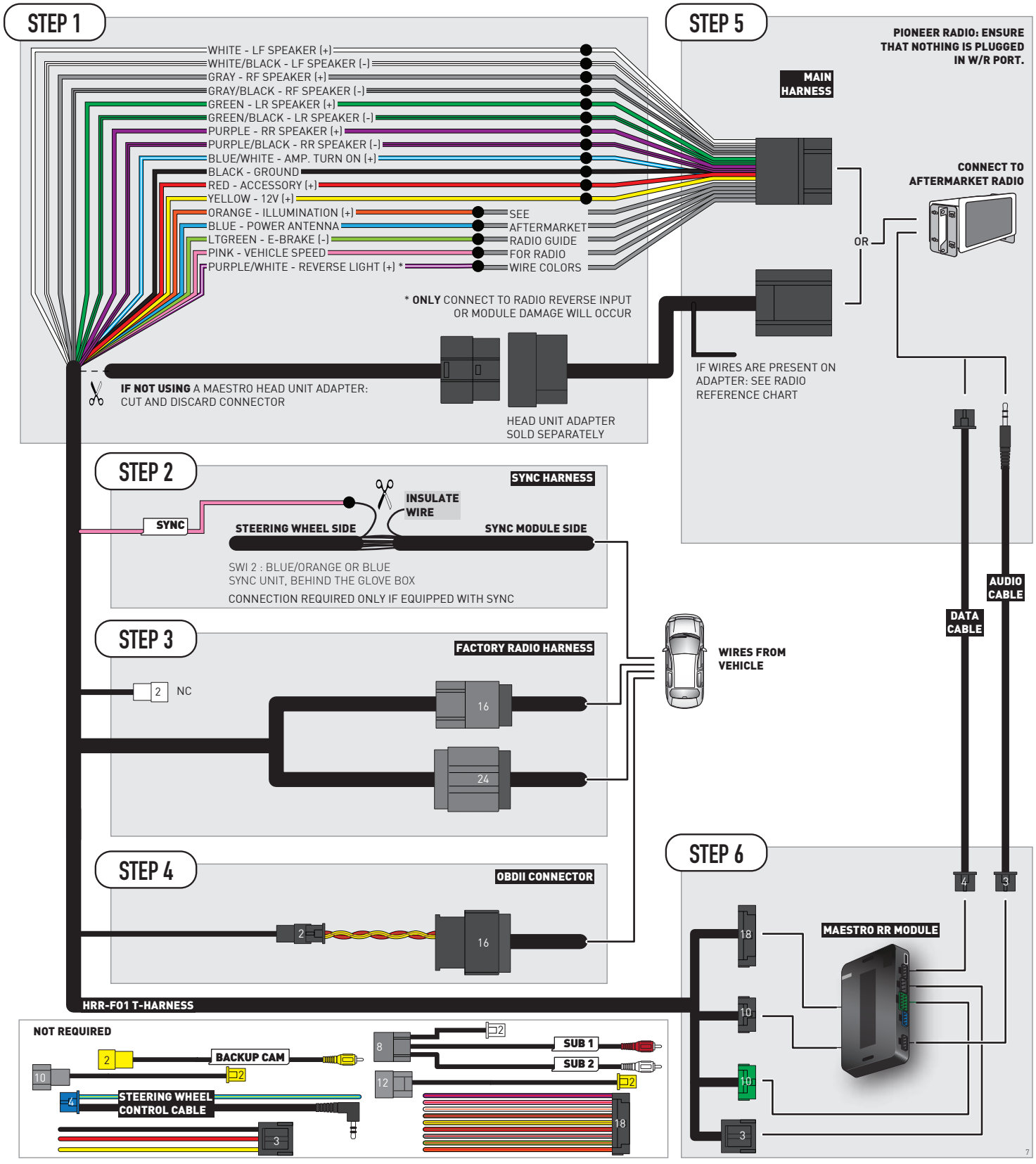
  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

7

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2013-2014
FORD MUSTANG
WITHOUT NAV WITH SHAKER OR SHAKER PRO

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PIO1, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

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Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

INSTALLATION INSTRUCTIONS P1/1

BEFORE INSTALLING

Four (4) RCA jack are required to complete this install (sold separately).

STEP 1

- Locate the speaker wires coming out of the 20-pin black connector (HRR-F01 harness) and cut them away from the connector.
- Connect the white and white/black wires to a RCA connector. Connect the gray and gray/black wires to a RCA connector. Connect the green and green/black wires to a RCA connector. Connect the purple and purple/black wires to a RCA connector.

  If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

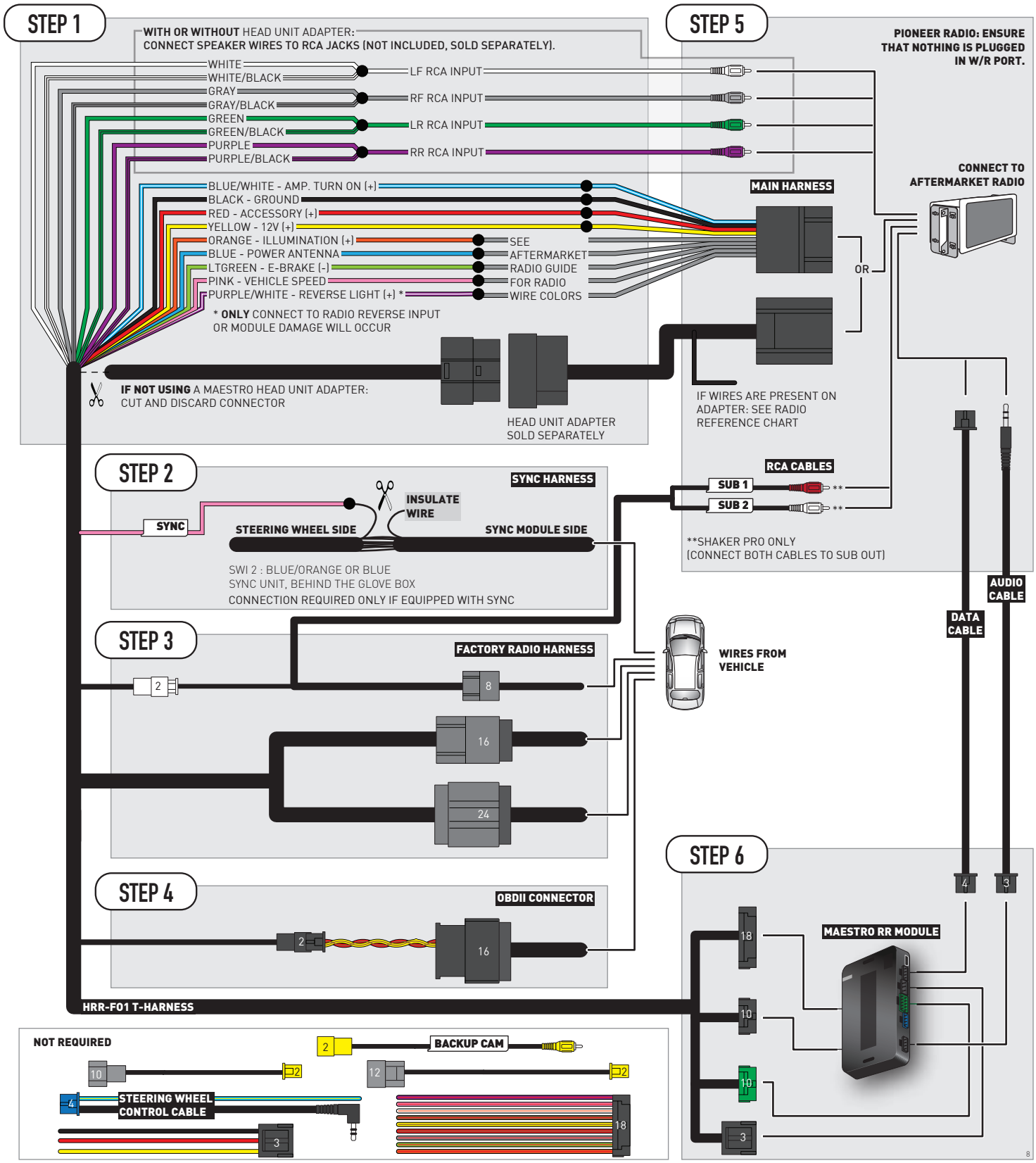
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

8

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2009
FORD TAURUS

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs

Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

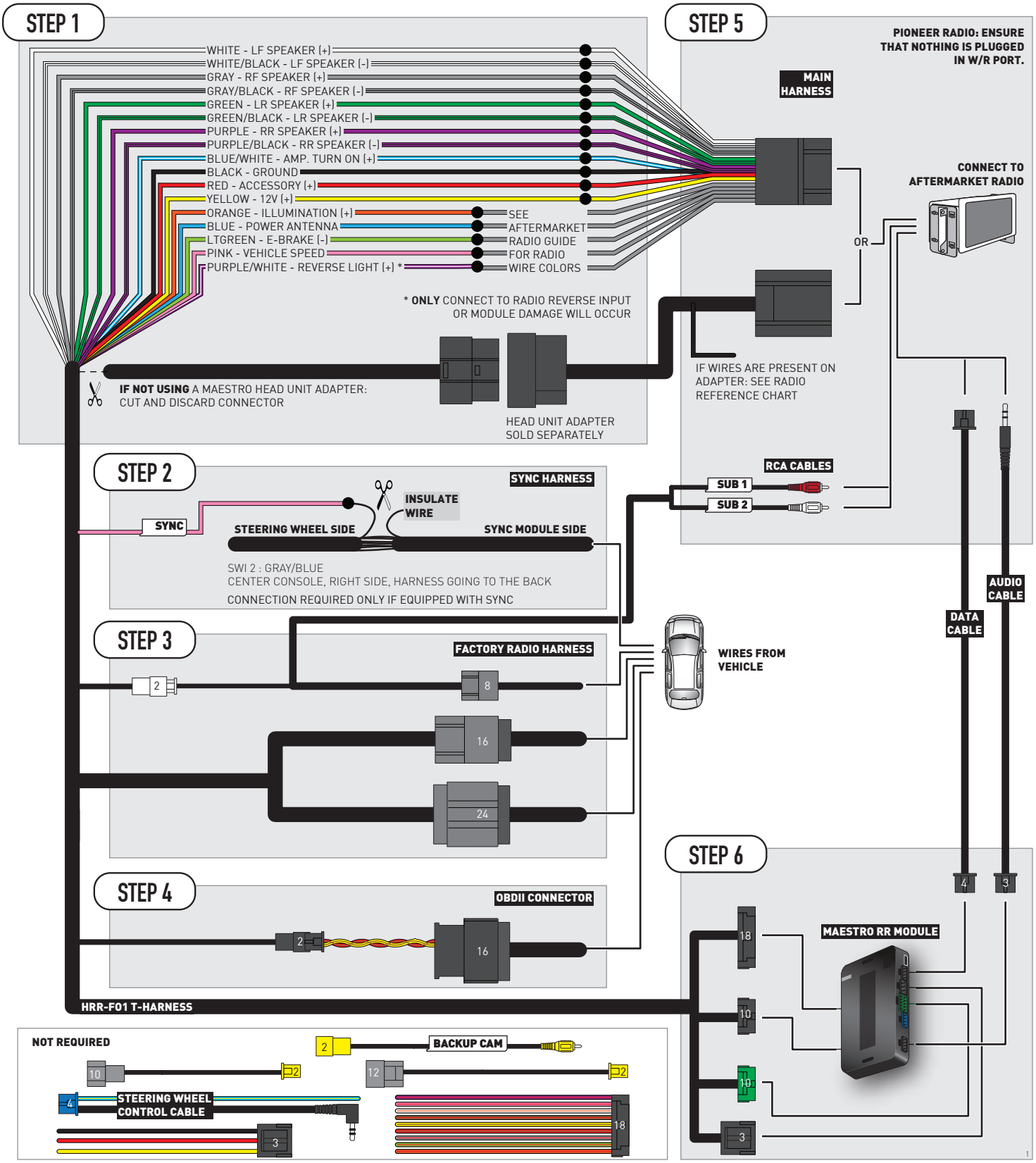
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2010-2012
FORD TAURUS

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

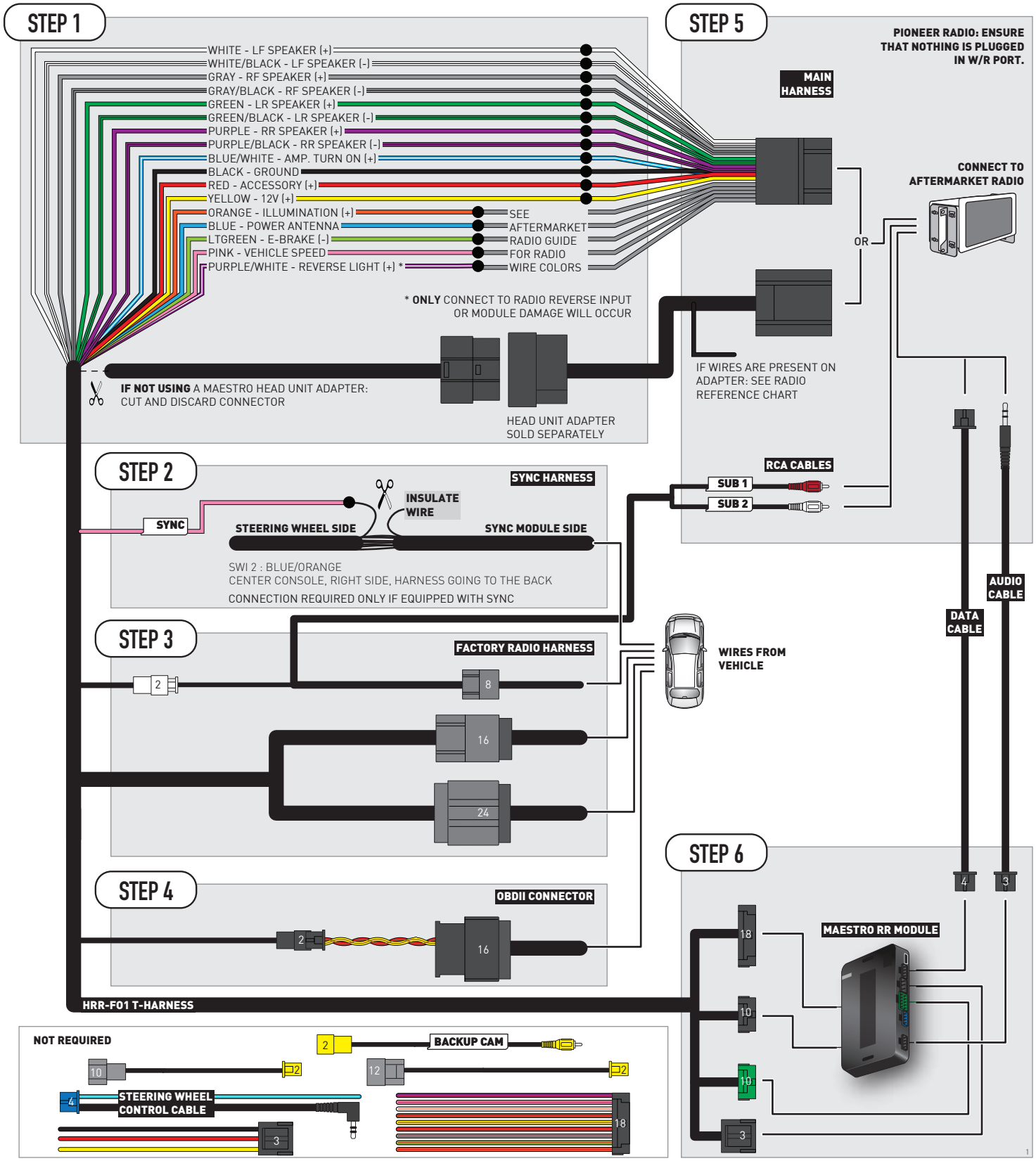
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2012
FORD TAURUS X

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

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Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

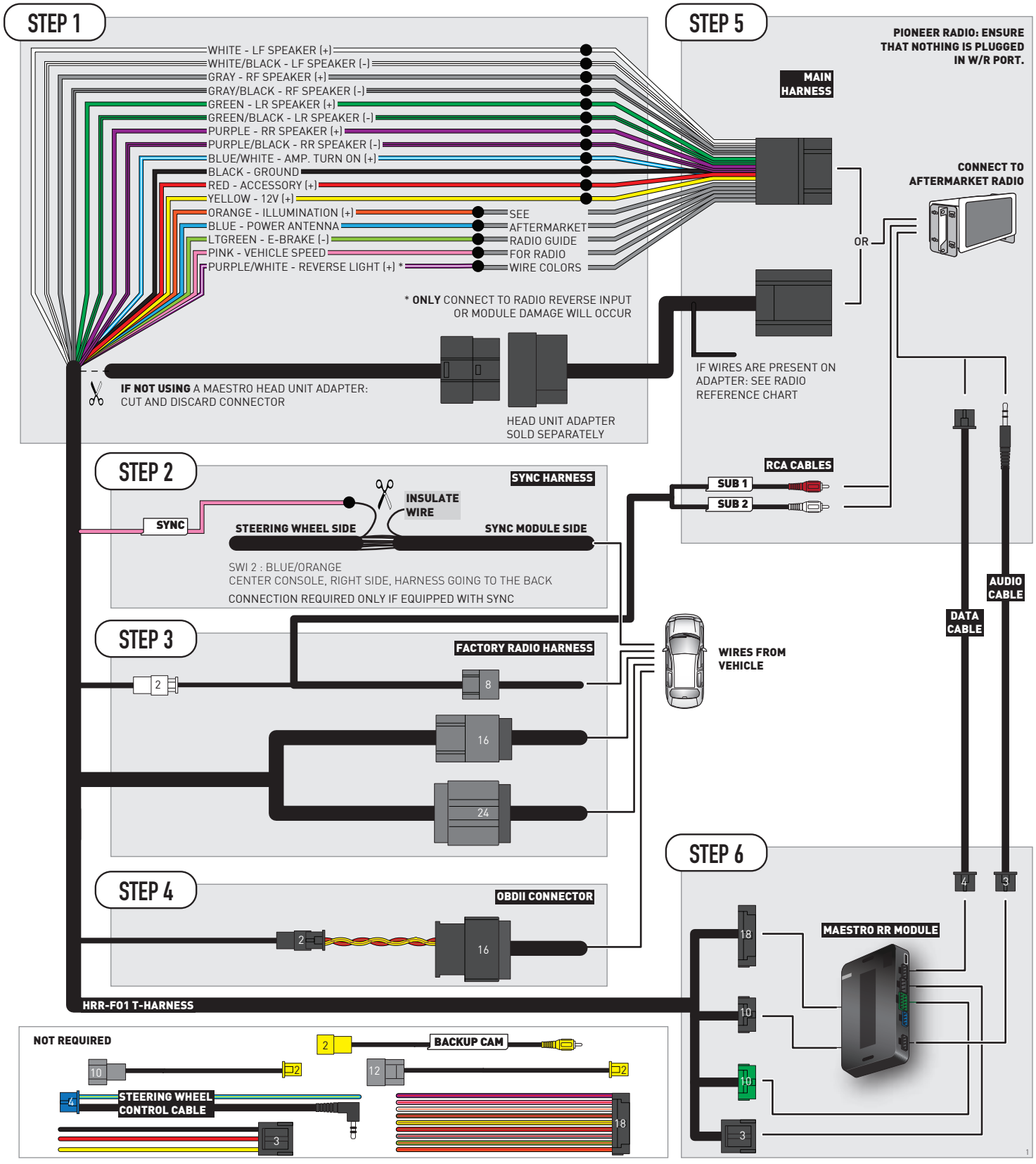
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2009-2012
LINCOLN MKS

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs

Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

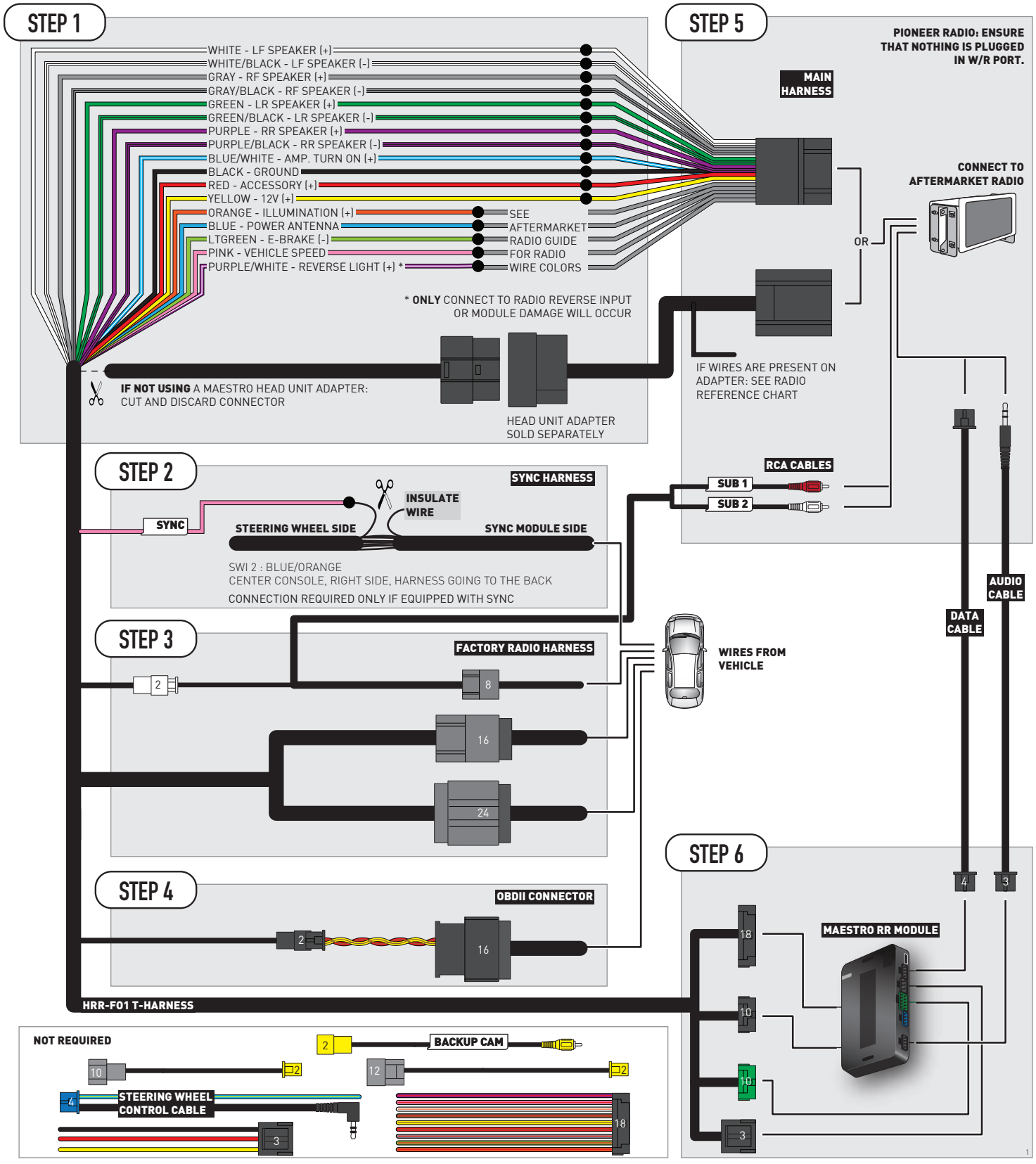
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2010-2012
LINCOLN MKT

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER: **ACC-HU-**PI01, SON1, KEN1, KEN2, ALP1	
*IF PRESENT IN THE WIRING DIAGRAM 4 RCA jacks (sold separately, not by Maestro)	
Radar Detectors K40 ELECTRONICS ESCORT	Radar Installation Guides
Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

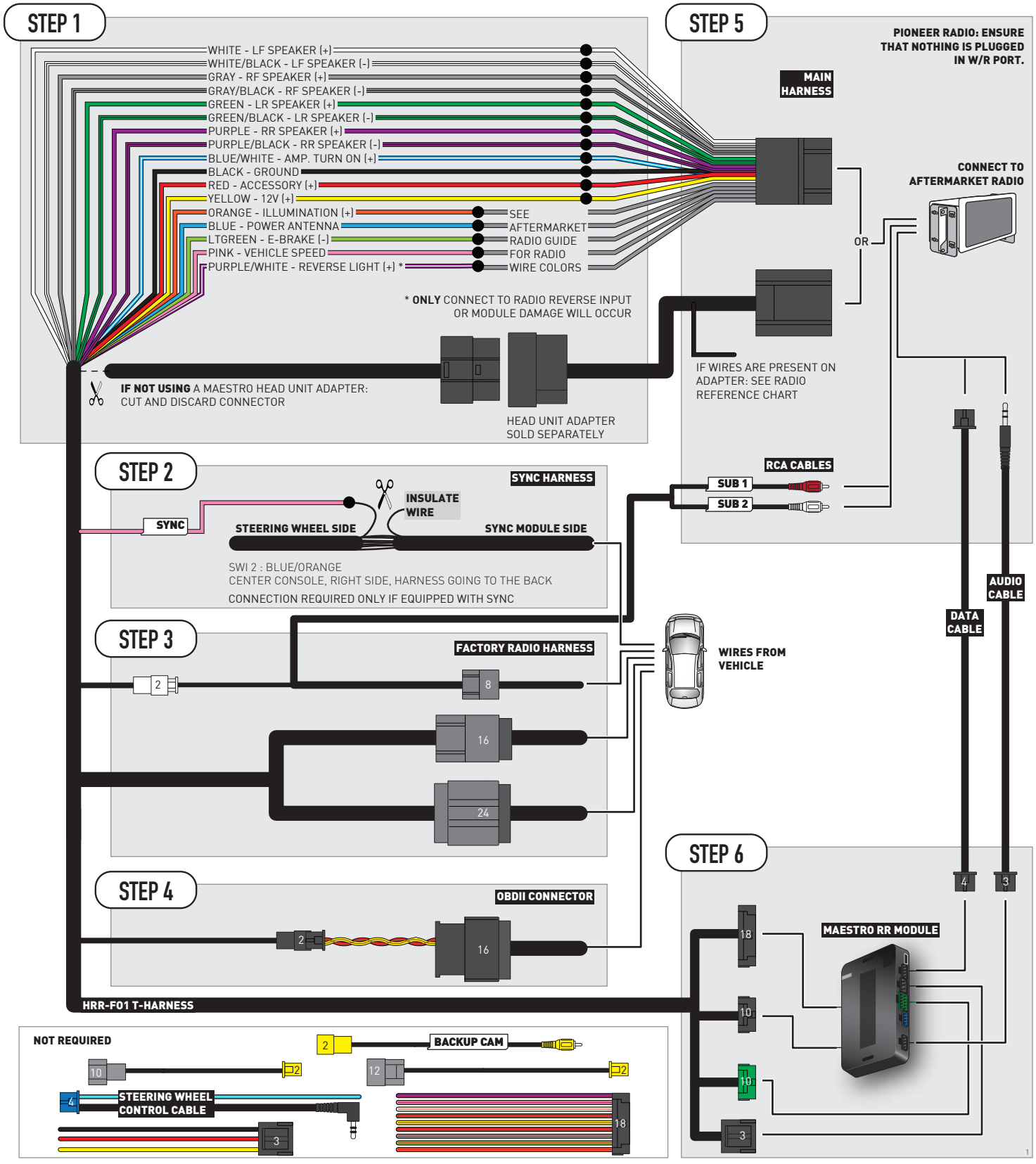
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2010
LINCOLN MKX

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT

Radar Installation Guides

Configuring the RR2's Programmable Outputs

Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos.

VIDEO HELP

Last flash information, steering control configuration, vehicle information.

VERIFY FLASH

Software to program module.

WEBLINK

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

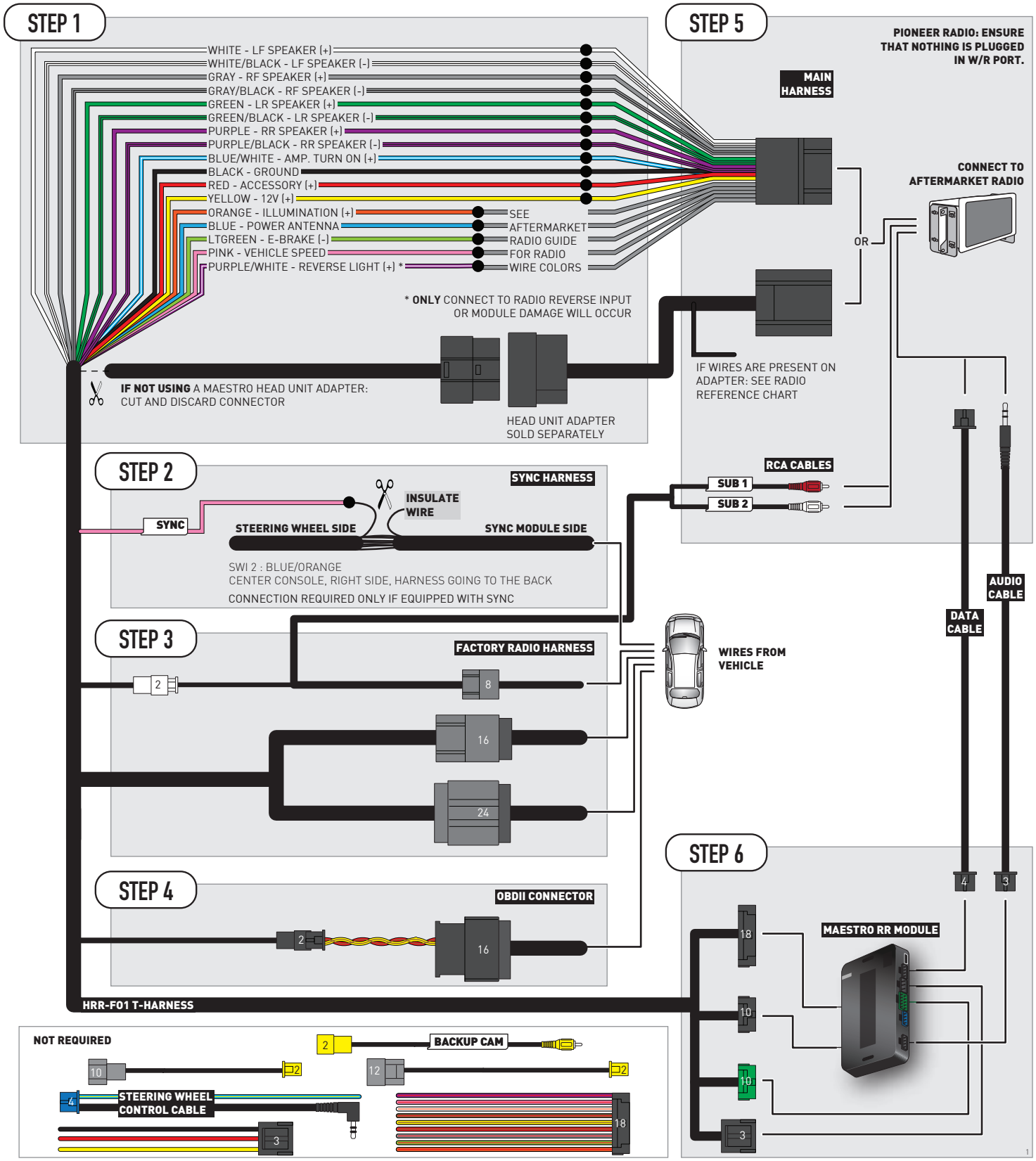
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2012
LINCOLN MKZ

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

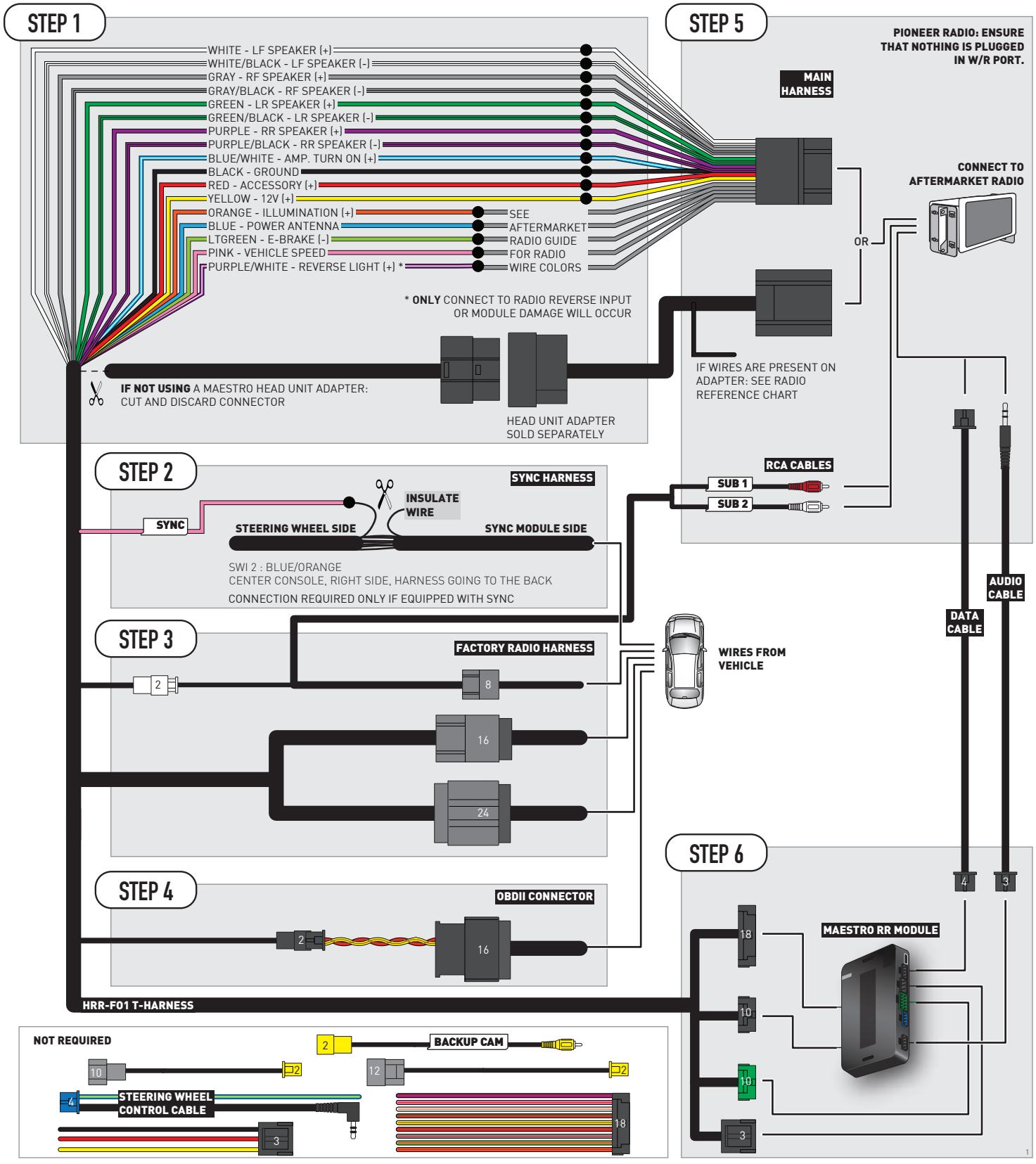
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

Automotive Data Solutions Inc. © 2023

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2010-2011
LINCOLN MARK LT
WITH NAV

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Connect the factory backup camera harness to the HRR-F01 12-pin gray connector. Connect that cable to the HRR-F01 backup camera cable.

STEP 6

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Connect the backup cam cable into the aftermarket radio.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

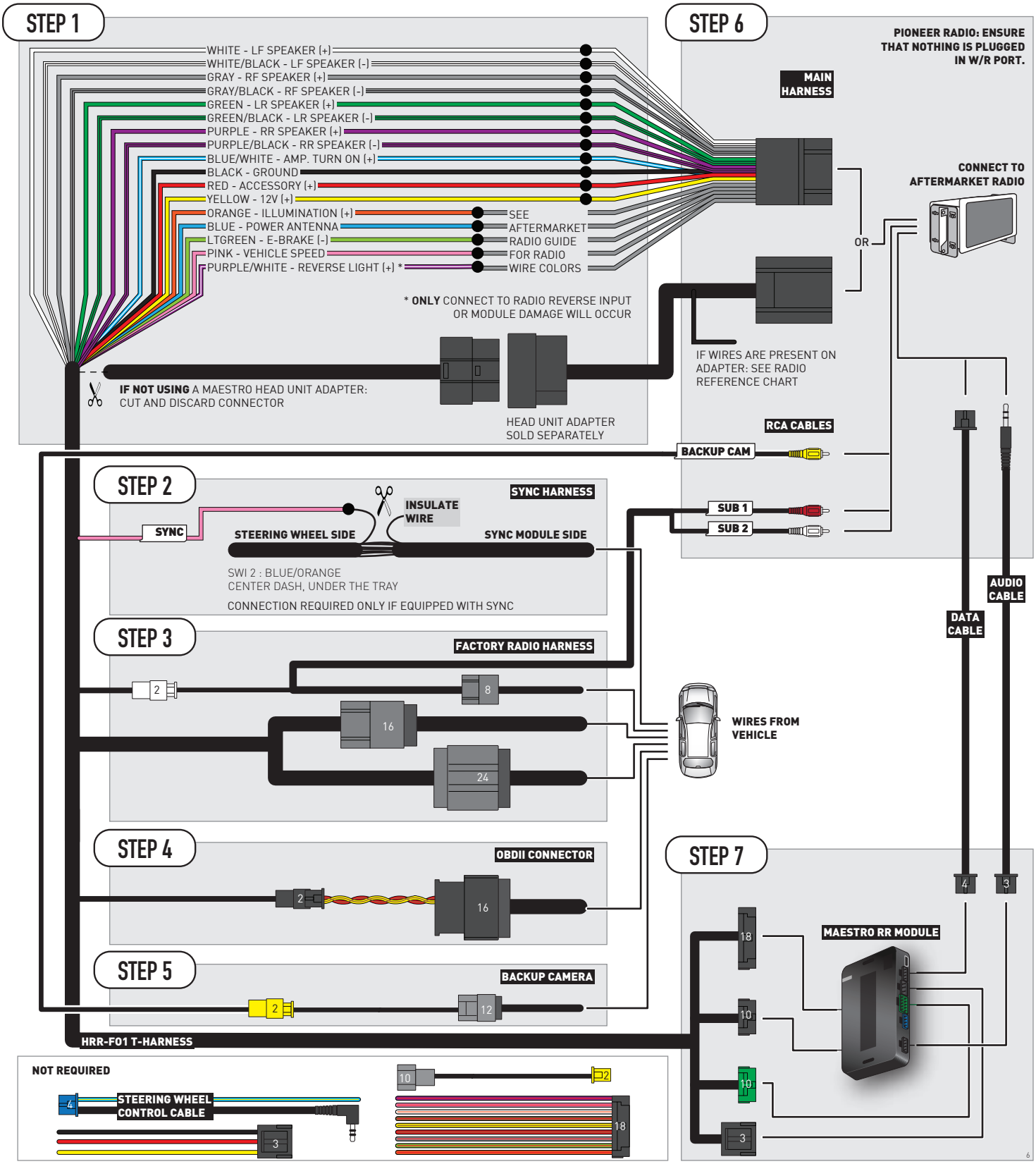
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 7

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2007-2014
LINCOLN NAVIGATOR

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

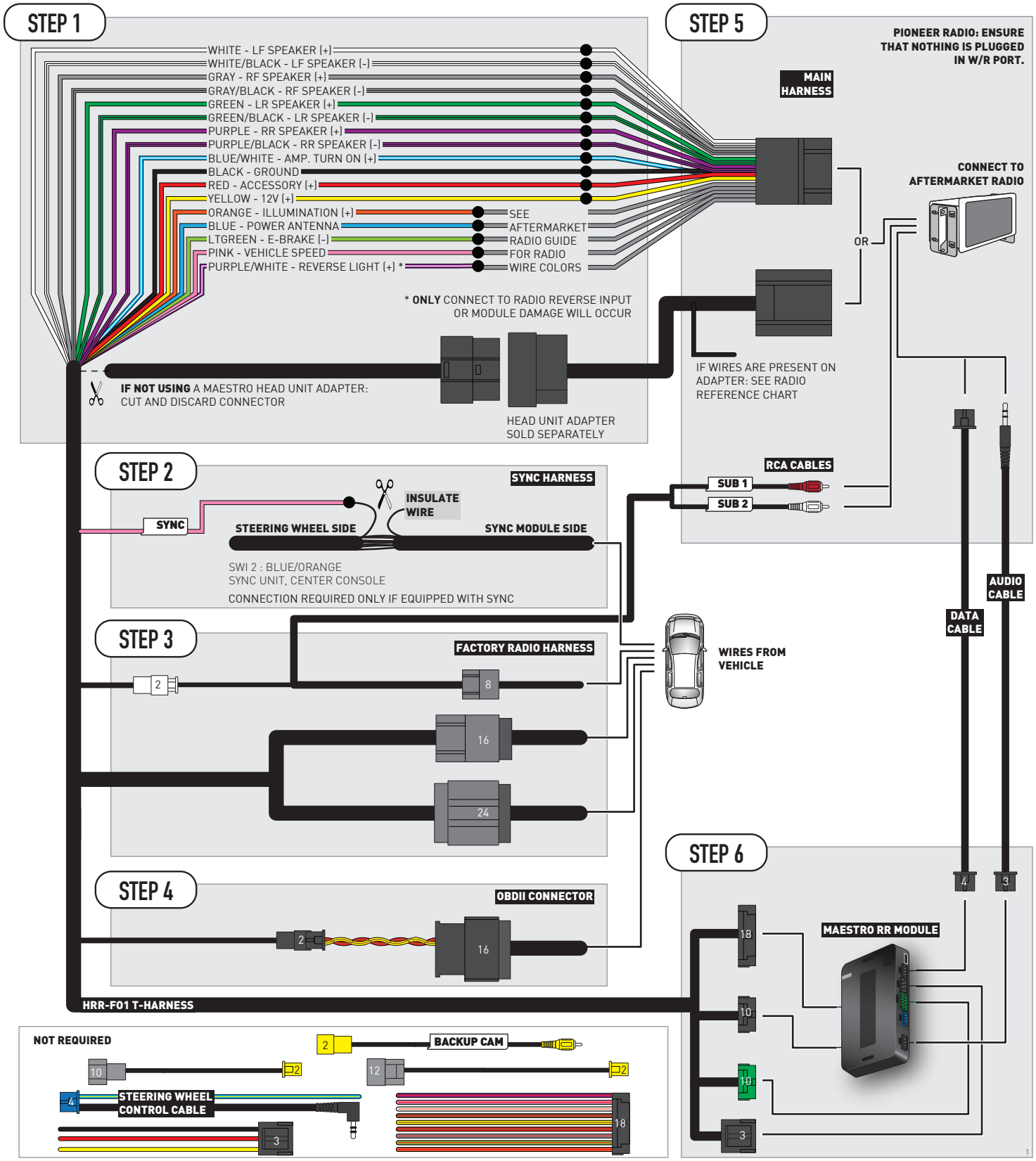
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006
LINCOLN ZEPHYR

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 3

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

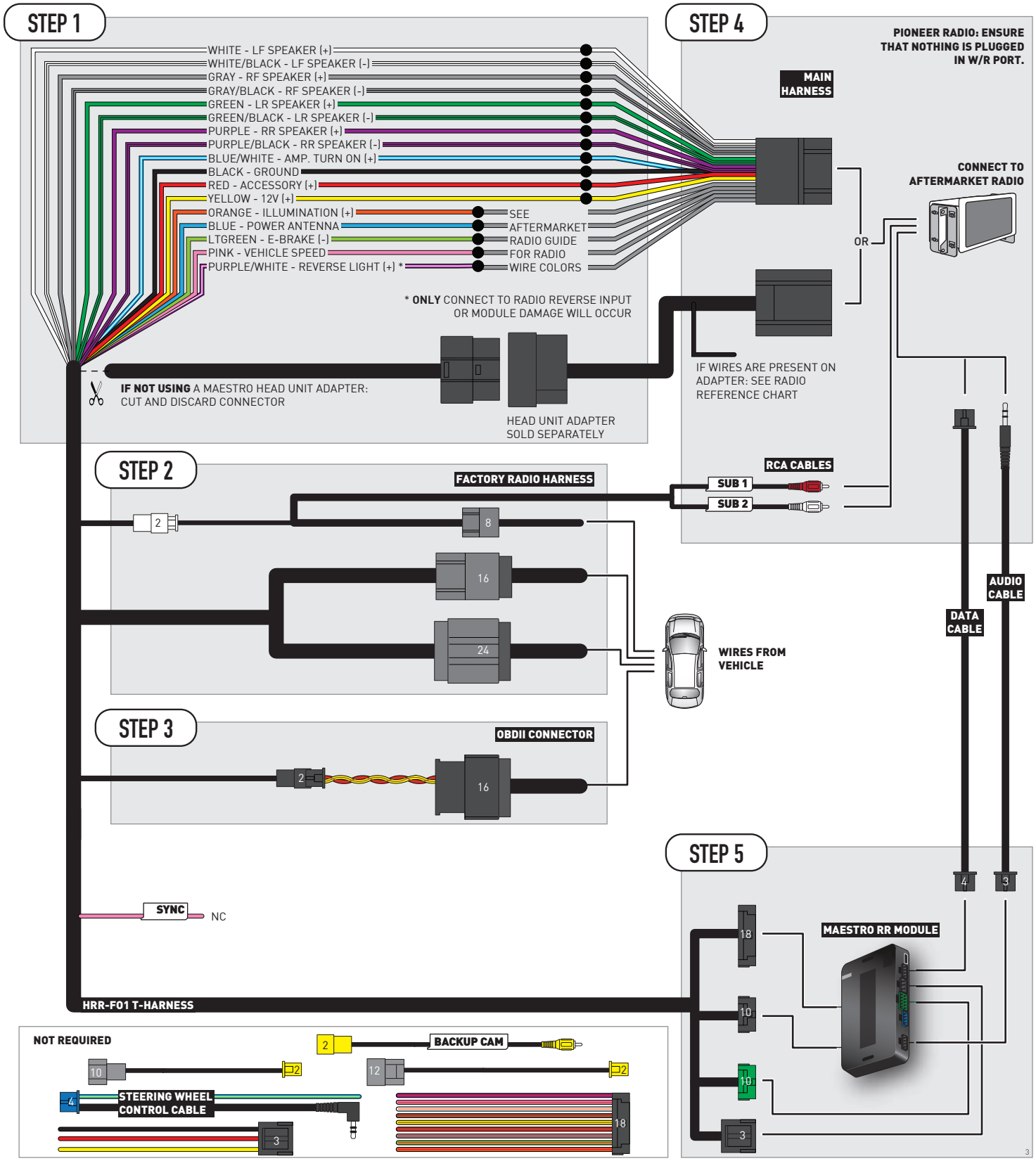
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

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iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

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NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
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K40 ELECTRONICS ESCORT

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Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

Automotive Data Solutions Inc. © 2023

INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 3

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

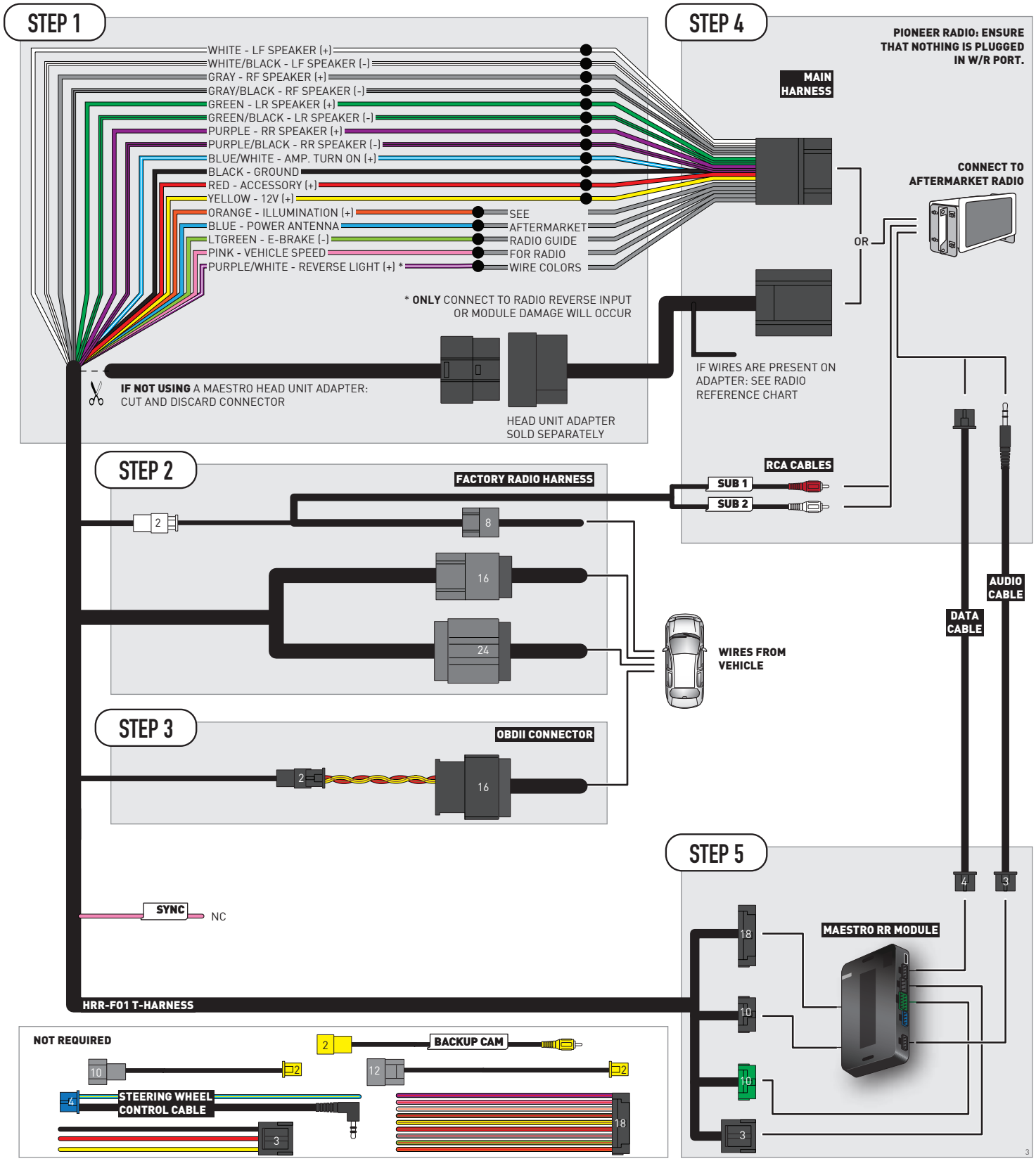
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STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2011
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RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

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Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

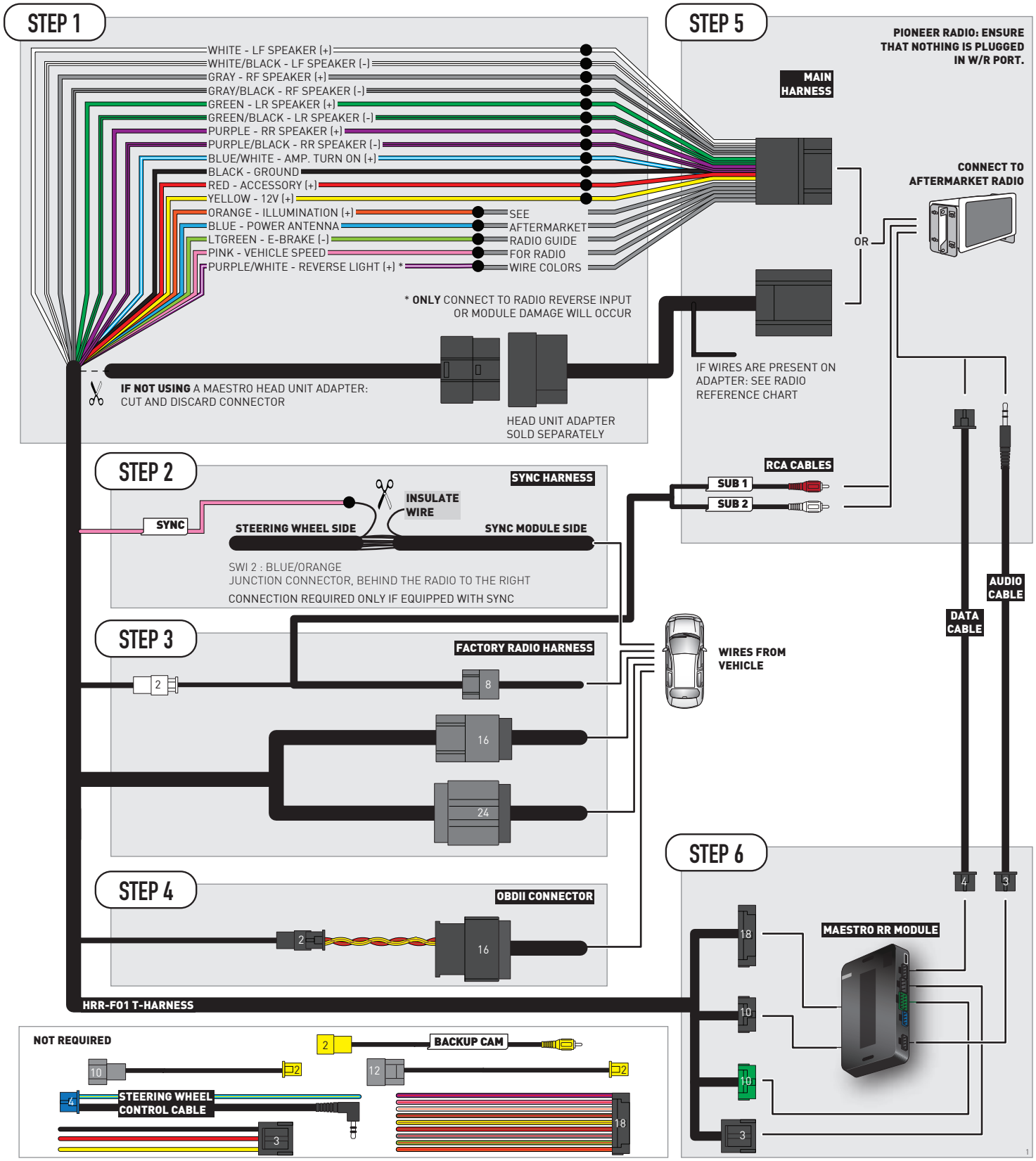
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2011
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RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER: **ACC-HU-**PI01, SON1, KEN1, KEN2, ALP1	
*IF PRESENT IN THE WIRING DIAGRAM 4 RCA jacks (sold separately, not by Maestro)	
Radar Detectors K40 ELECTRONICS ESCORT	Radar Installation Guides
Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

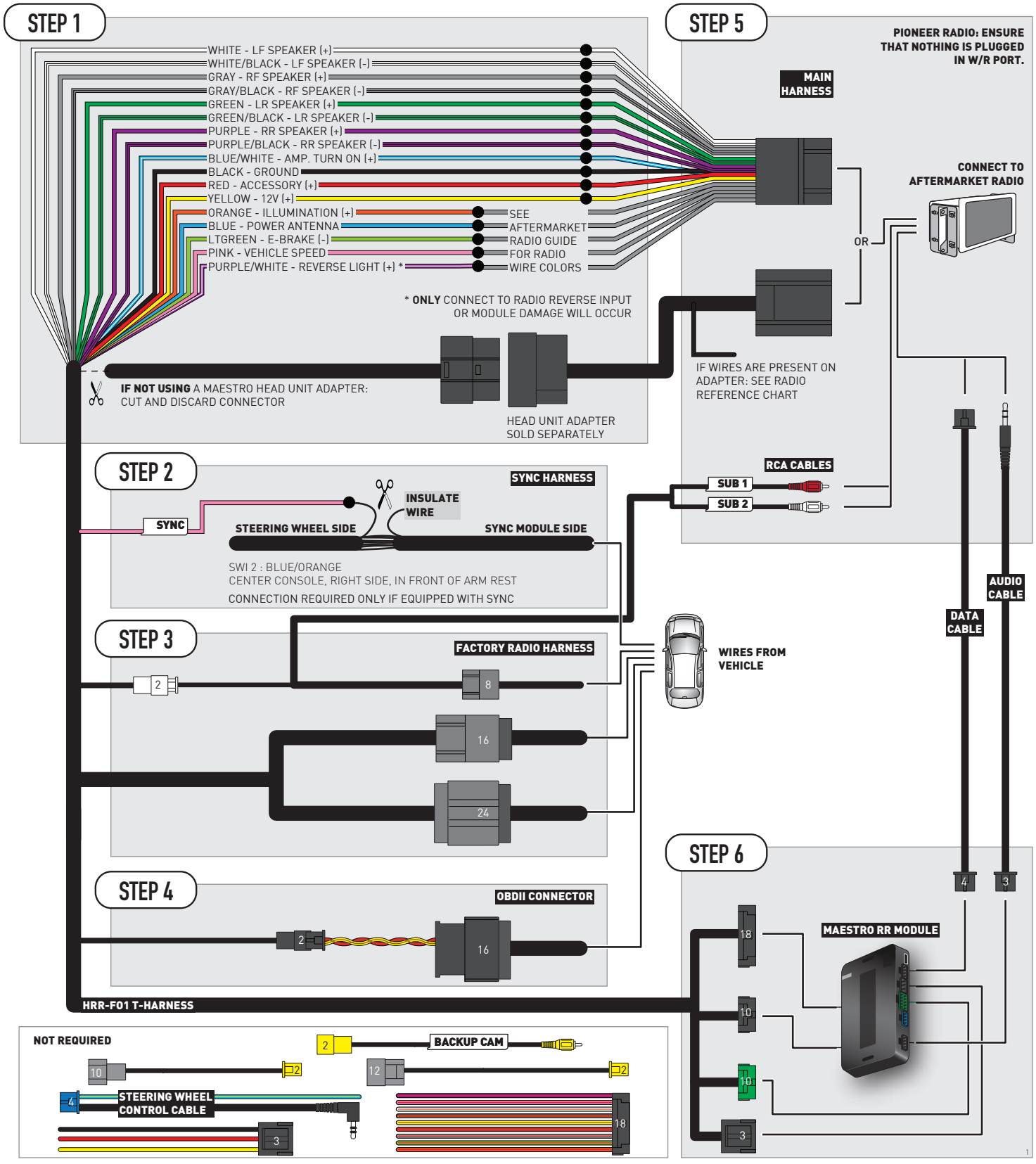
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER: **ACC-HU-**PI01, SON1, KEN1, KEN2, ALP1	
*IF PRESENT IN THE WIRING DIAGRAM 4 RCA jacks (sold separately, not by Maestro)	
Radar Detectors K40 ELECTRONICS ESCORT	Radar Installation Guides
Configuring the RR2's Programmable Outputs	Maestro RR2 Programmable Outputs Guide
Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

Remove the factory radio

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 3

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 4

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

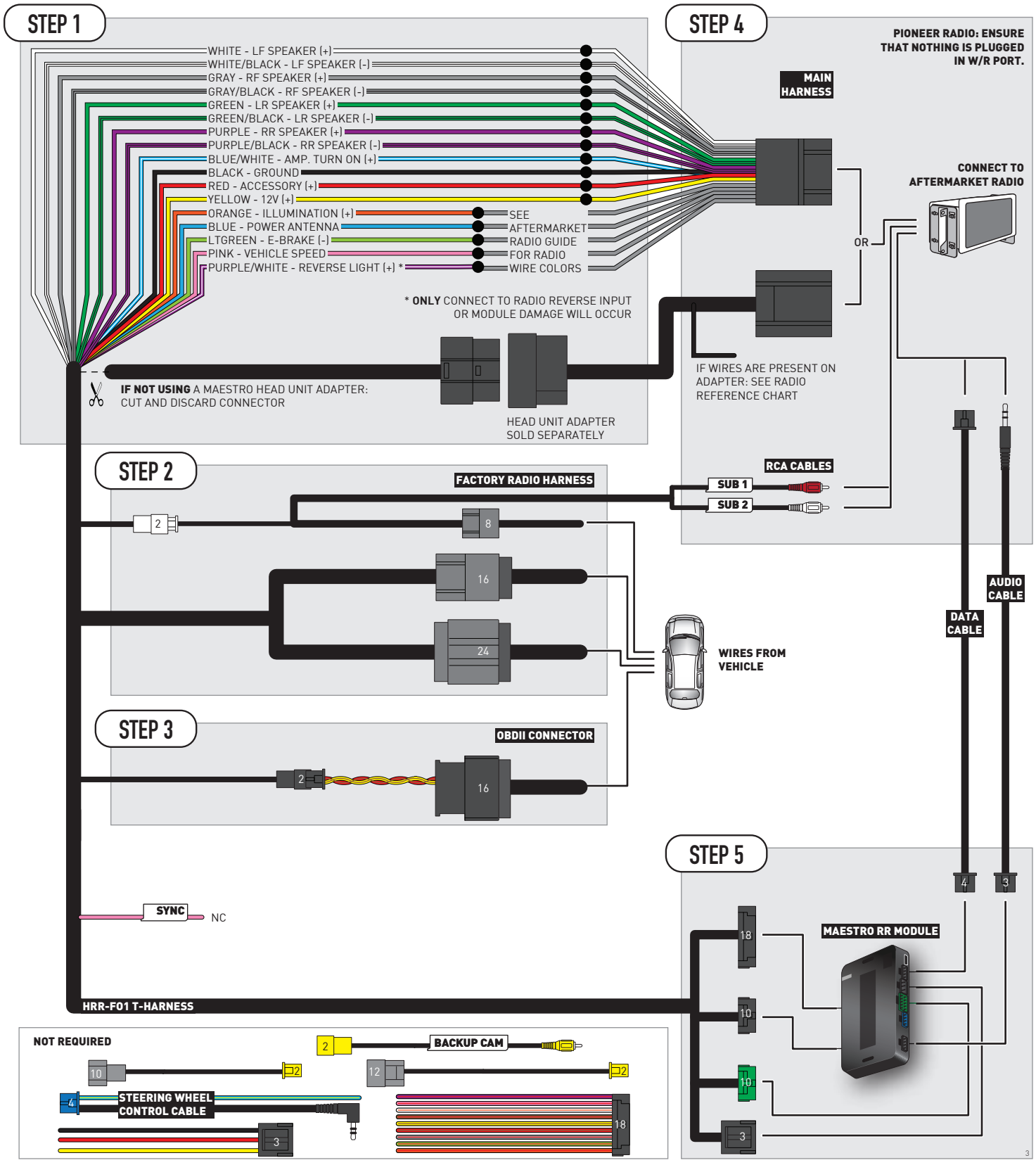
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 5

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
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The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2006-2010
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HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-FO1 Installation Harness

PROGRAMMED FIRMWARE: FO1-RR-DS3

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER: **ACC-HU-**PI01, S0N1, KEN1, KEN2, ALP1	
*IF PRESENT IN THE WIRING DIAGRAM 4 RCA jacks (sold separately, not by Maestro)	
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Installation, product information, vehicle specific videos.	VIDEO HELP
Last flash information, steering control configuration, vehicle information.	VERIFY FLASH
Software to program module.	WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

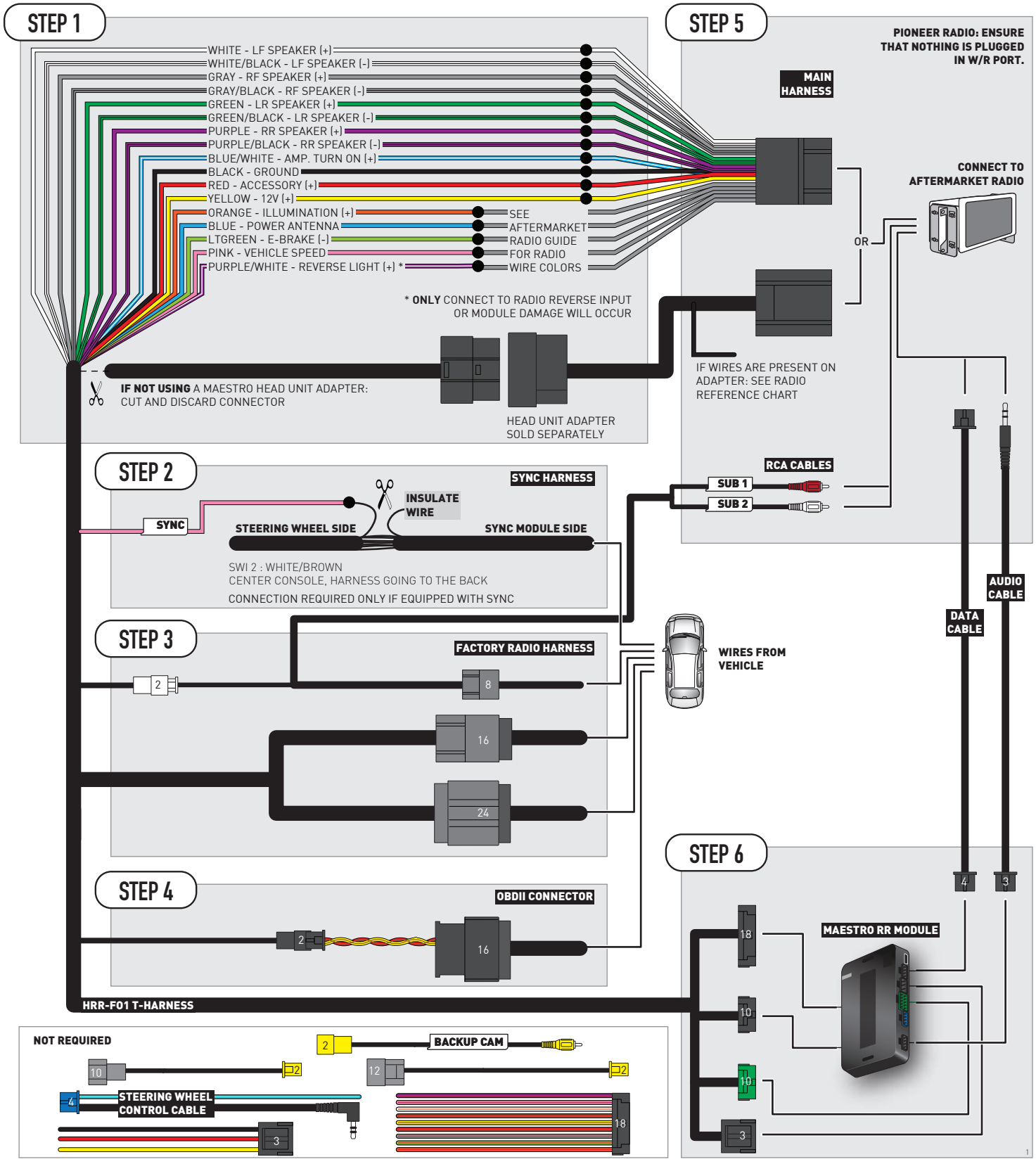
- The RCA connectors labeled SUB IN can be used to feed the subwoofer channel of the factory amplifier.
- **SHAKER 1000 only**: The RCA connector labeled SUB 2 can be used to feed the second subwoofer channel.
- **THX only**: The RCA connector labeled SUB 2 can be used to feed the center channel of the factory amplifier.

STEP 6

- Connect all the harnesses to the Maestro RR module then test your installation.

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

F01 T-harness Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood/ JVC cable	Wire Color on Pioneer cable	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light*	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	Blue/White	Blue or Blue/White

Head unit adapter wiring (optional accessory, sold separately)

ACC-HU-ALP1 Wire Description	Polarity	Wire Color on Adapter	Alpine Radio
VSS (vehicle speed sensor)	(DATA)	Green/White	Green/White

ACC-HU-KEN1 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
CAM	(+)	Green/Red	Refer to camera/radio manual
CAM	(-)	Green/White	Refer to camera/radio manual
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

ACC-HU-KEN2 Wire Description	Polarity	Wire Color on Adapter	Kenwood Radio
E-Brake	(-)	LtGreen	LtGreen
Reverse Light*	(+)	Purple/White	Purple/White
Steering Wheel Controls	(DATA)	Blue/Yellow	n/a

* Reverse light wire: Only connect to radio or module damage will occur.

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, **when a steering wheel button is pressed** : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do NOT use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

TROUBLESHOOTING TABLE P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the **RED/BROWN** wire is on **PIN 6** and the **YELLOW/ BROWN** wire is connected to **PIN 14** of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
There is no sound from Sync (if equipped).	Ensure the black 3-pin to 3.5mm audio cable is connected to the iDatalink I/F port. If no I/F port, use AUX IN.
The radio won't turn on AND there is no 16-pin plug at the factory radio. Maestro LED may flash 2x RED with key on.	The data lines are not present behind the radio and must be connected at the OBDII. Extend and connect **BROWN/RED** and **BROWN/YELLOW** wires from the F01's 16-pin plug to: **BROWN/RED TO OBDII PIN 3 – GRAY/ORANGE** **BROWN/YELLOW TO OBDII PIN 11 – VIOLET/ORANGE**
Steering wheel buttons work except phone answer/end/voice.	If guide shows connecting pink/red wire, verify this connection is proper. Refer to step 2 of written instruction for testing. If guide shows "NC" for this wire, this does not apply. Verify buttons work with factory radio.
No backup camera image.	If radio is not switching to reverse input screen, verify purple/white wire from F01 harness is connected to radio reverse input wire. If radio switches but displays a blank screen, verify the 10 or 12 pin camera connector is fully seated and plugged into the correct input on the radio. If factory cam was displayed in the mirror, it will continue to display there. It will not display on the aftermarket radio.
The light on the Maestro is flashing **RED ONCE**.	There is no firmware on the module; flash the RR module.
The radio is **ON** and the light on the Maestro is blinking **RED TWICE**.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking **RED TWICE** but radio **is NOT** turning on. Steering wheel buttons are not working. LED on Maestro is blinking **RED TWICE**.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.

TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).
Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

INSTALL GUIDE

2008-2009
MERCURY SABLE

RETAINS STEERING WHEEL CONTROLS, SYNC VOICE COMMANDS, SYNC BLUETOOTH AND MORE!



+





HEAD UNIT
ADAPTER READY

PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRR-F01 Installation Harness

PROGRAMMED FIRMWARE: F01-RR-DS3

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

NEED HELP?

1 866 427-2999

maestro.support@idatalink.com

ADDITIONAL INFORMATION AND ACCESSORIES

HEAD UNIT ADAPTER:
ACC-HU-PI01, SON1, KEN1, KEN2, ALP1

*IF PRESENT IN THE WIRING DIAGRAM
4 RCA jacks (sold separately, not by Maestro)

Radar Detectors

K40 ELECTRONICS ESCORT — Radar Installation Guides

Configuring the RR2's Programmable Outputs — Maestro RR2 Programmable Outputs Guide

Installation, product information, vehicle specific videos. — VIDEO HELP

Last flash information, steering control configuration, vehicle information. — VERIFY FLASH

Software to program module. — WEBLINK

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

If using head unit adapter (sold separately), connect HRR-F01 harness to adapter and skip to step 2.

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the black 20 pin connector from the HRR-F01 T-harness and connect the wires, shown in the wiring diagram, from aftermarket radio main harness to the HRR-F01 T-harness and match the wire functions.

  Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

Vehicles equipped with navigation radios skip to Step 3.

(Required for vehicles equipped with SYNC, without factory navigation system; refer to Vehicle Wire Chart)

- Disassemble the dashboard carefully and remove the factory radio from its housing without disconnecting it.
- Use a multimeter to test the SWI 2 wire. Connect the BLACK test probe to ground (-) and connect the RED test probe to the wire SWI 2 wire. Have the ignition and the radio ON. If the SWI 2 wire is connected, the multimeter will display approximately 5 volts. This value will drop upon pressing the steering wheel voice, phone or OK button.
- Cut the SWI 2 INPUT wire.
- Connect the PINK/RED wire of HRR-F01 T-harness to the SWI 2 INPUT wire going to the steering wheel. Insulate the wire side going to the SYNC module and plug the SYNC harness into the SYNC module.

STEP 3

- Connect the HRR-F01 2-pin white connector to F01 subwoofer cable.
- Connect the factory harness to the HRR-F01 T-harness.

STEP 4

- Connect HRR-F01 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle.

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- Plug the harnesses into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (if there is no iDatalink audio input, connect to AUX).

  Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.
- Insert the RCA connectors into the aftermarket radio.

WITH SHAKER FACTORY AMPLIFIER:

NOTES:

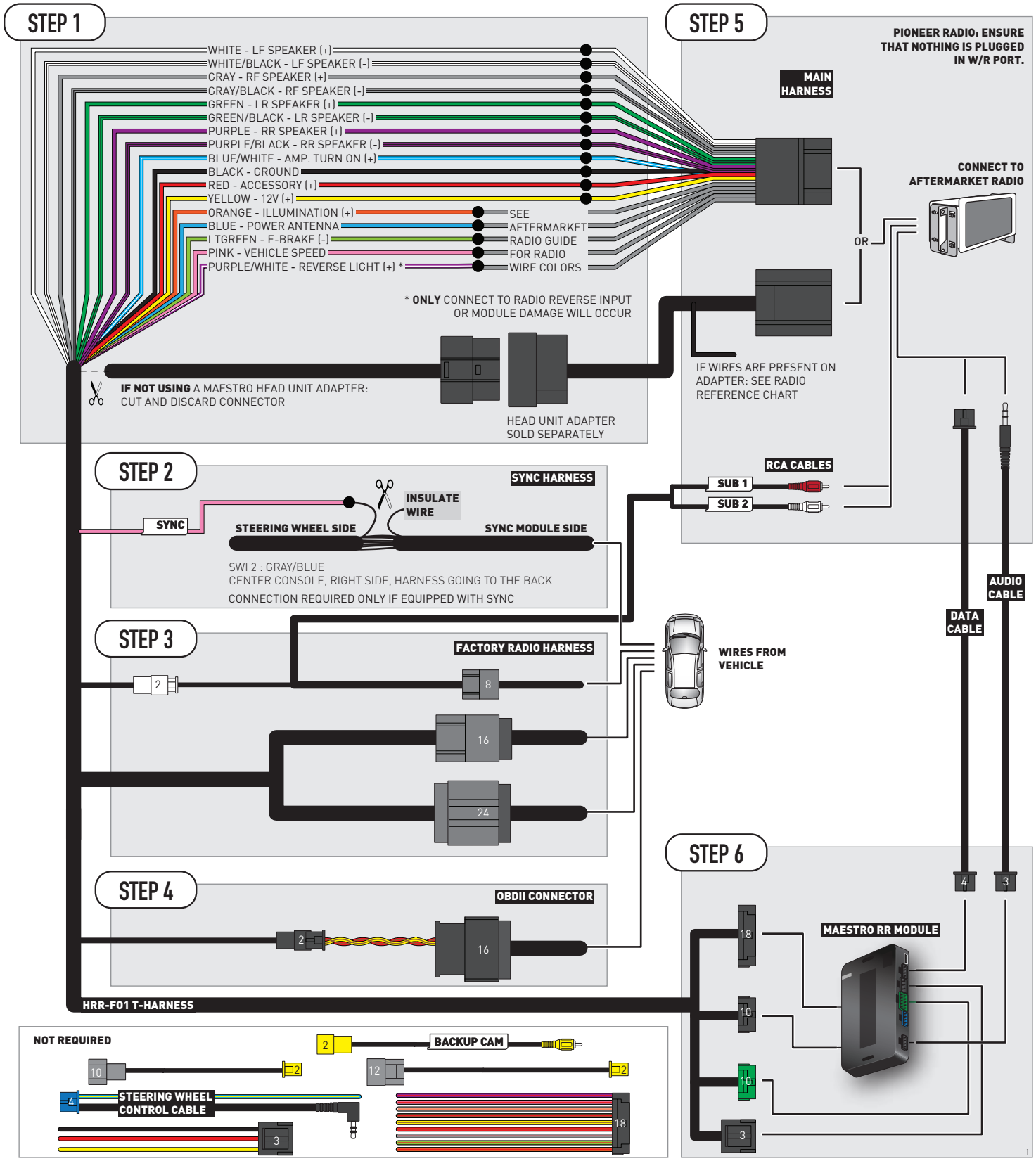
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