



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.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)


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

 maestro.idatalink.com/support
www.12voltdata.com/forum

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Wiring Diagram	4
Radio Wire Reference Chart	5
Module Diagnostics	6
Troubleshooting Table	7

INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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.

Camera controls (with vehicle in reverse)

MODE - Change view

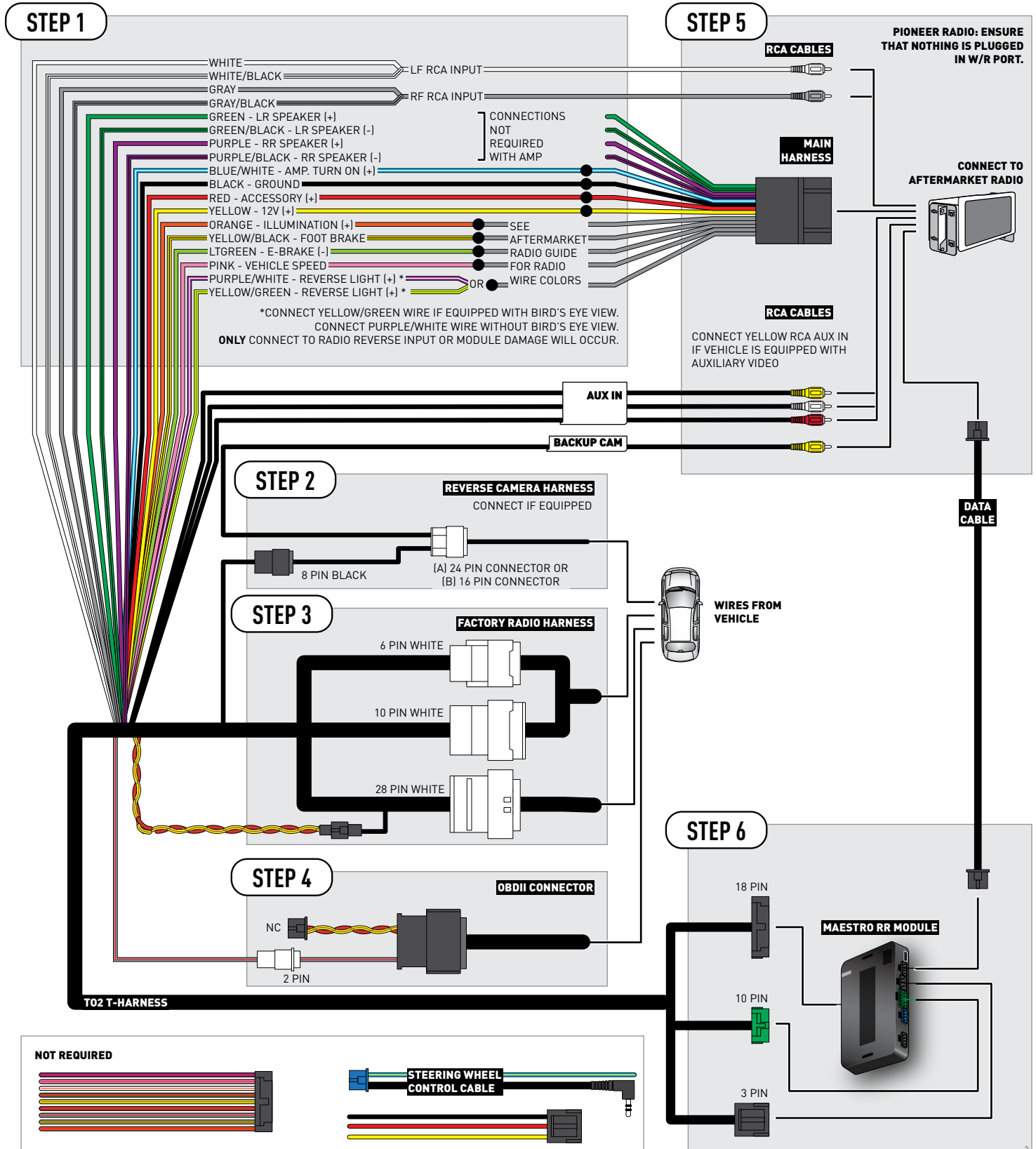
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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

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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.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker RCA connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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.

Camera controls (with vehicle in reverse)

MODE - Change view

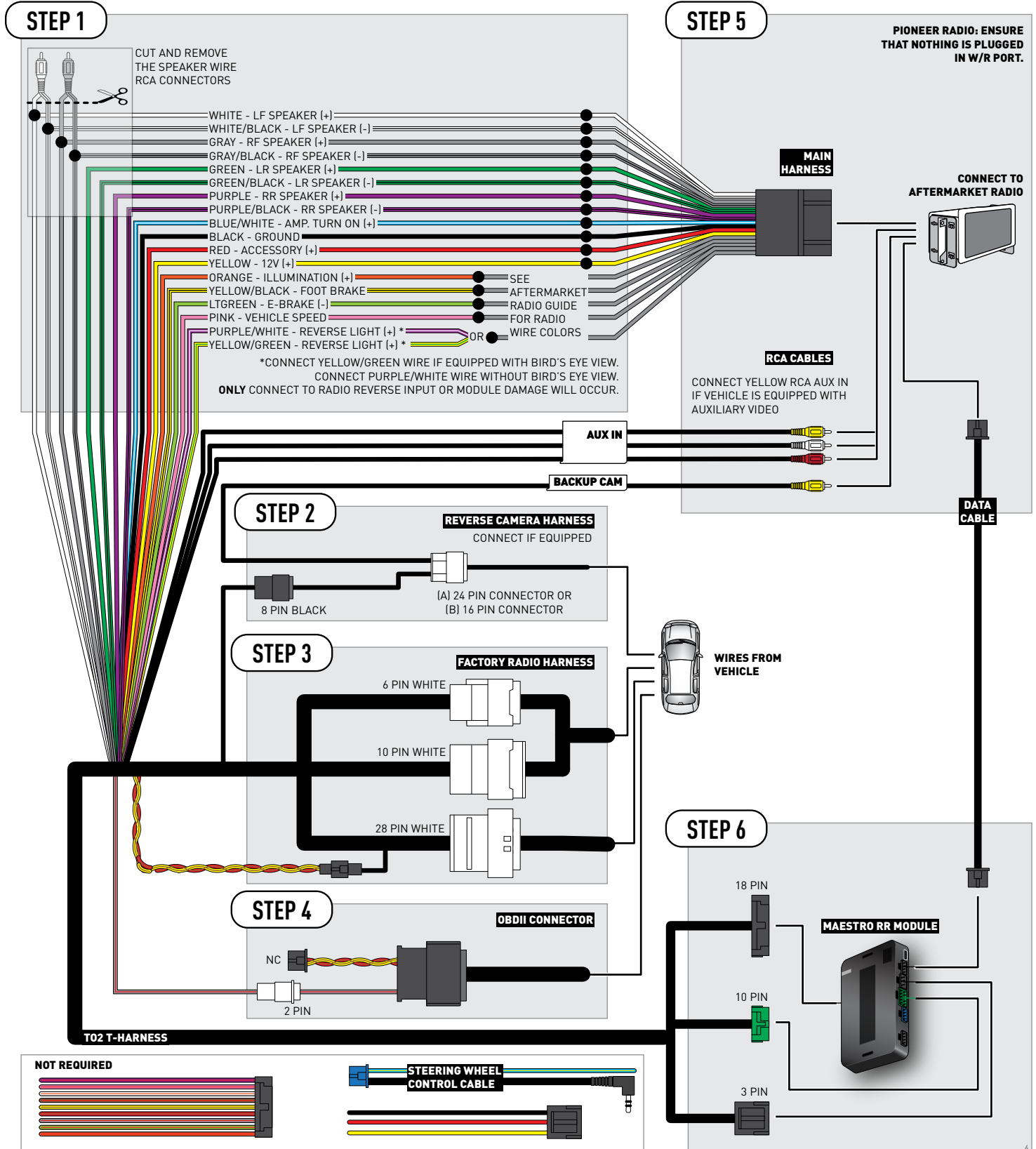
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM











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Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
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The radio is turning 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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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.

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STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

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- Connect the factory harness to the T02 T-harness.

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- Plug the aftermarket radio harnesses into the aftermarket radio.
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- Connect all the harnesses to the Maestro RR module then test your installation.

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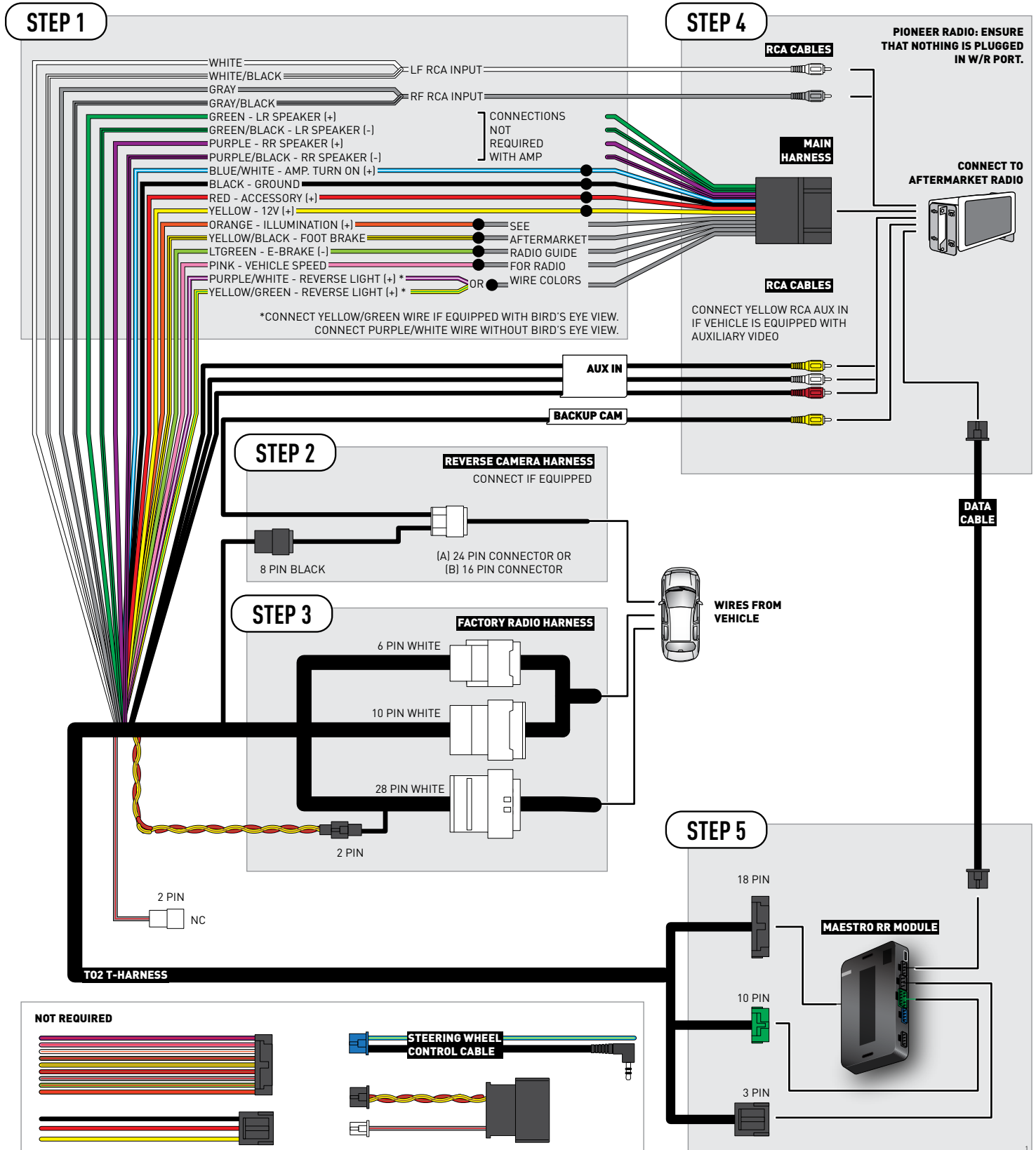
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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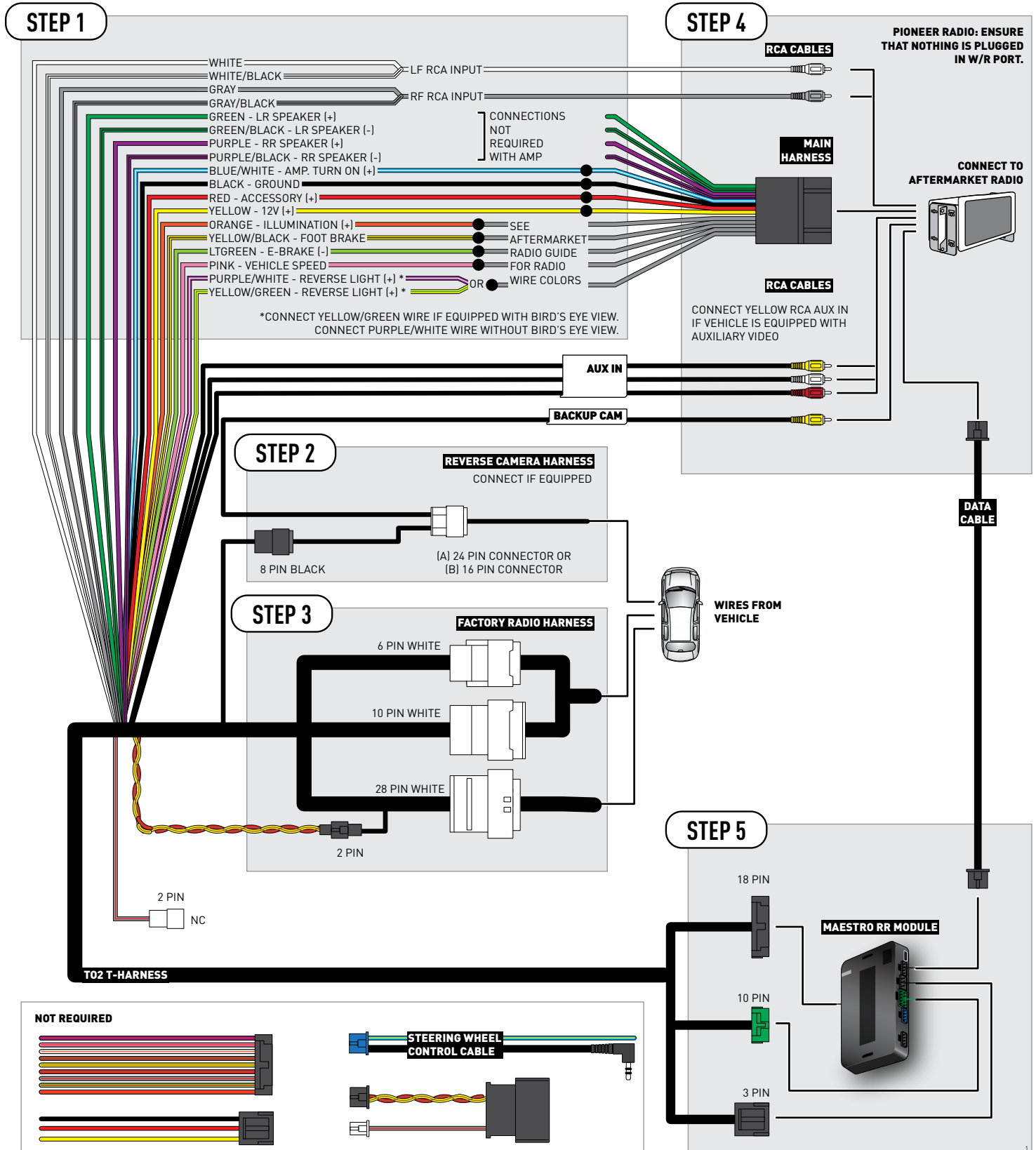
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ELECTRONICS
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WELCOME

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

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker RCA connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

SEEK UP - Zoom in/out

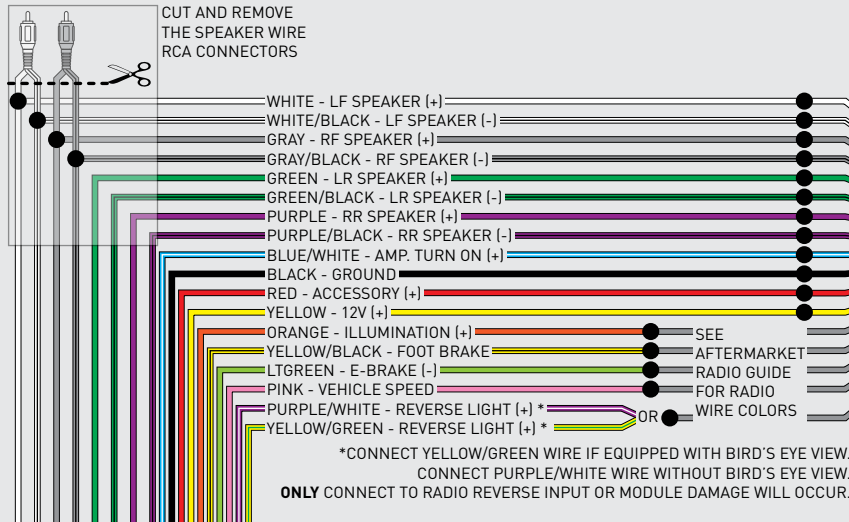
SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

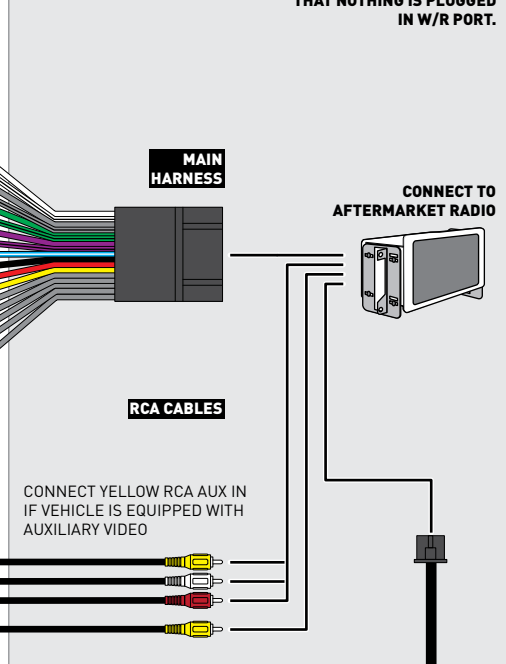
Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM

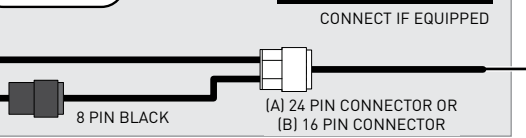
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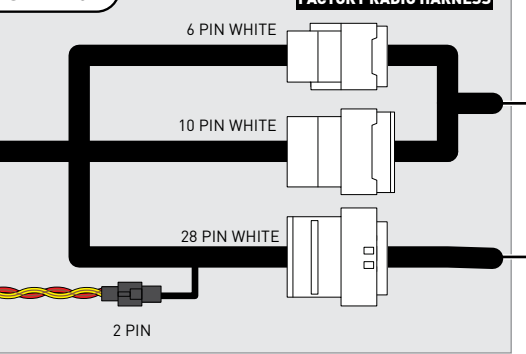
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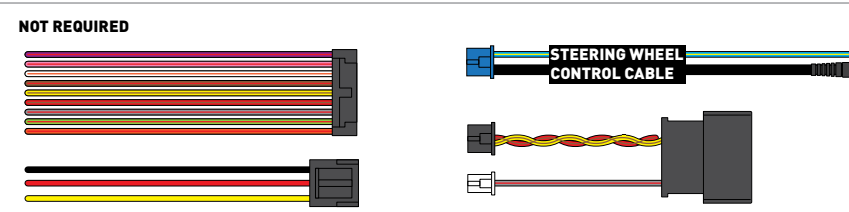
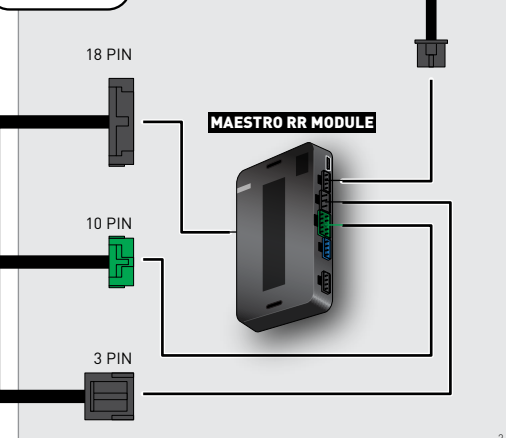
STEP 2



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RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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

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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.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

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- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

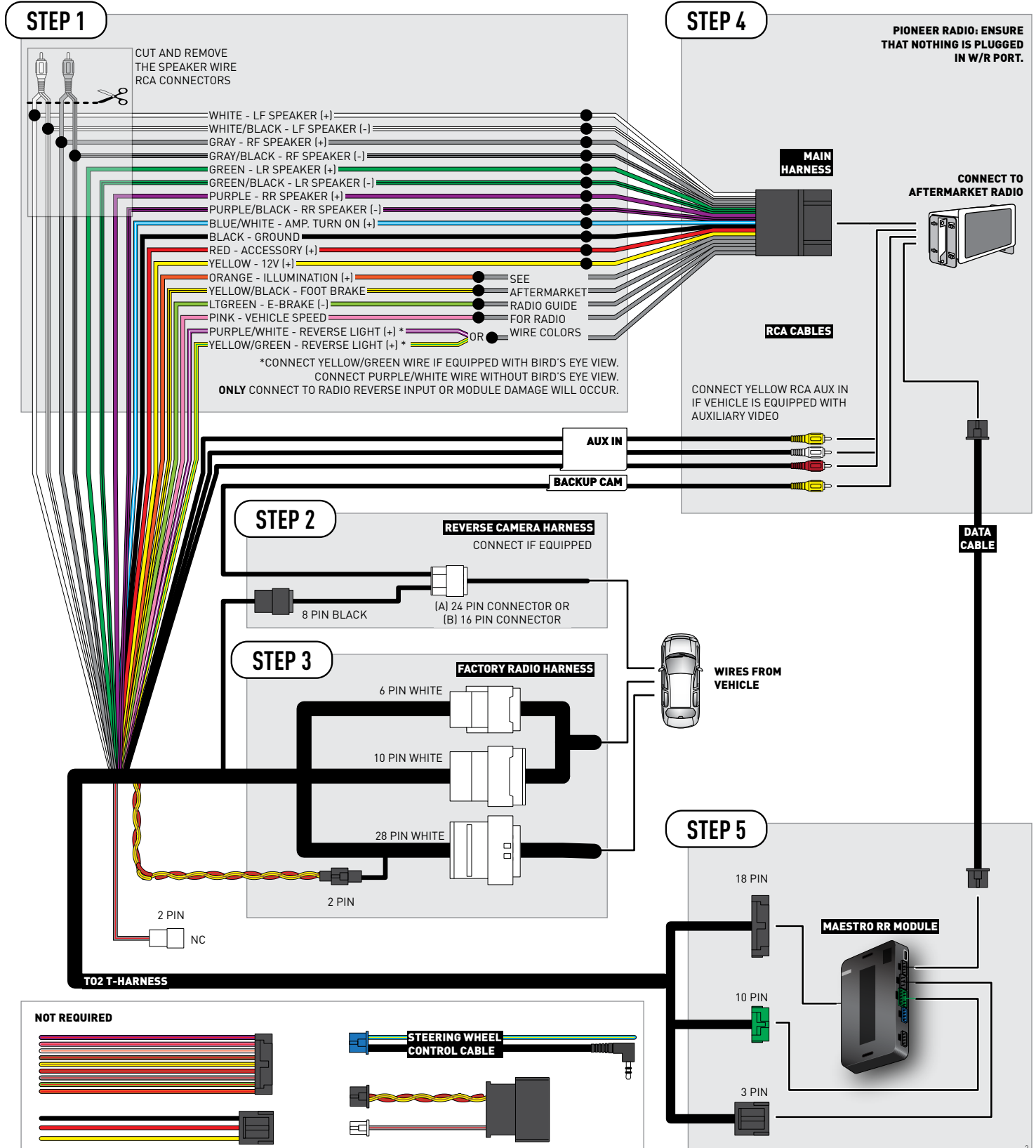
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WIRING DIAGRAM



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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
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2018

TOYOTA C-HR

WITHOUT APPLE CARPLAY OR ANDROID AUTO

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

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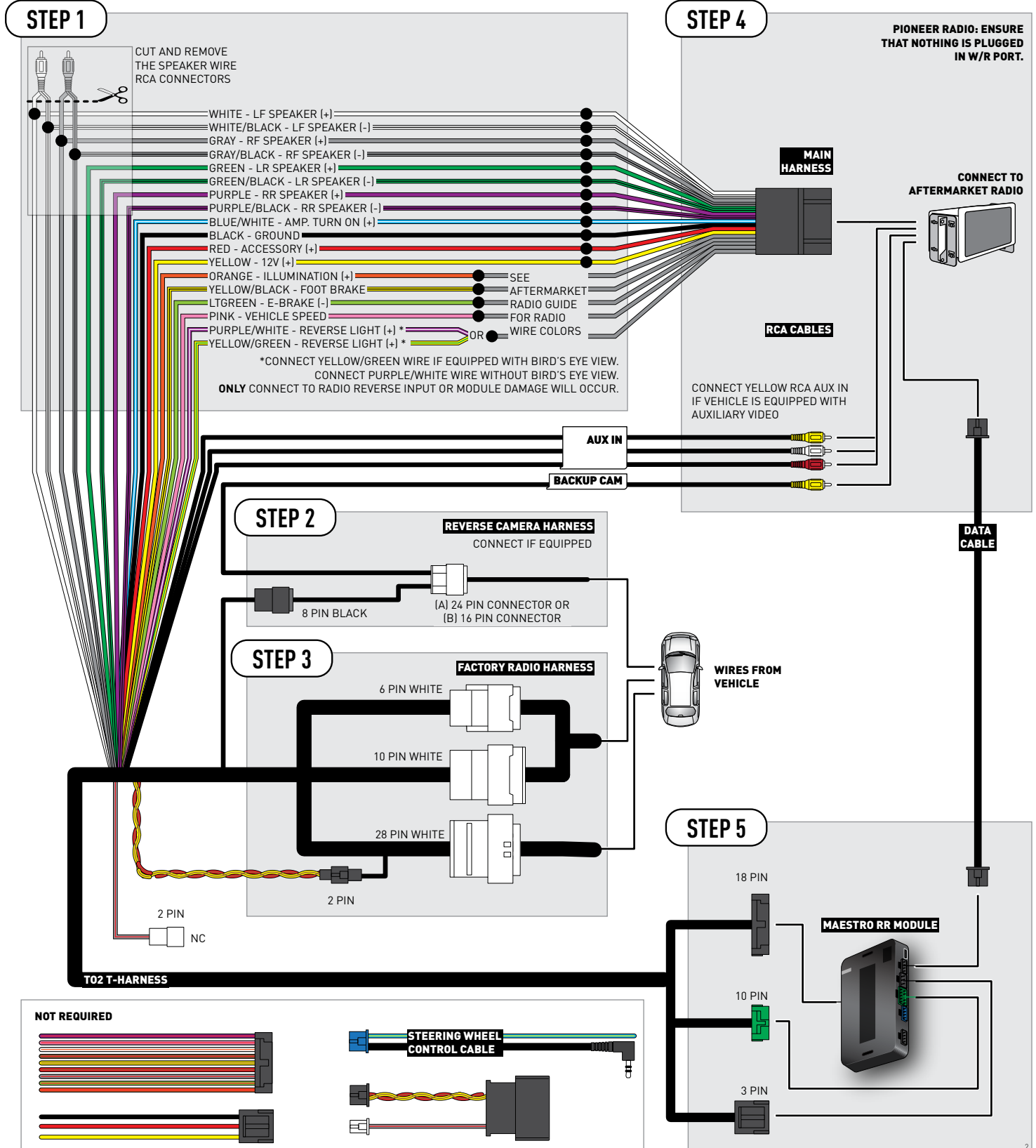
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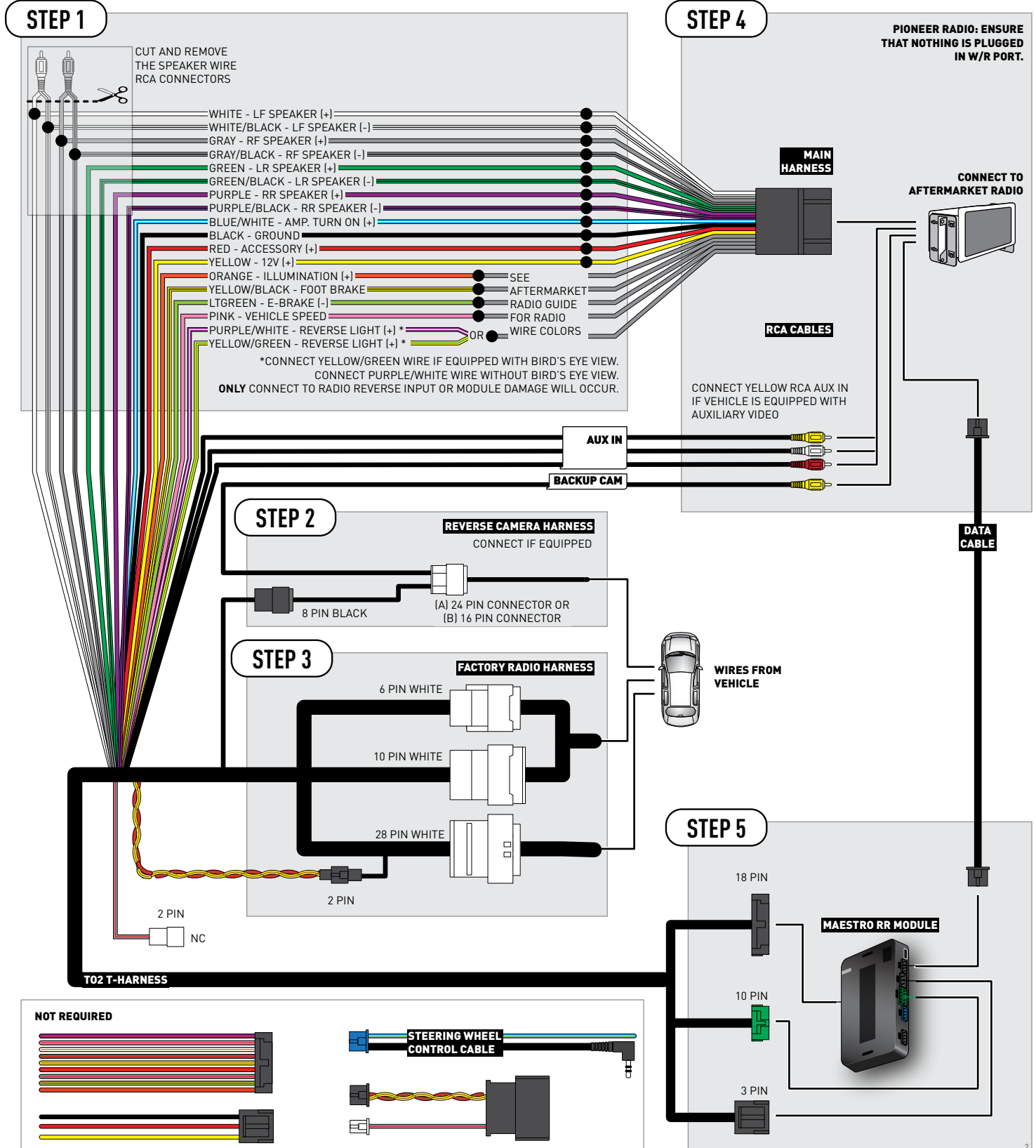
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Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

2012-2014
TOYOTA CAMRY
WITH FACTORY 6.1 INCH SCREEN AND JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)


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NEED HELP?

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

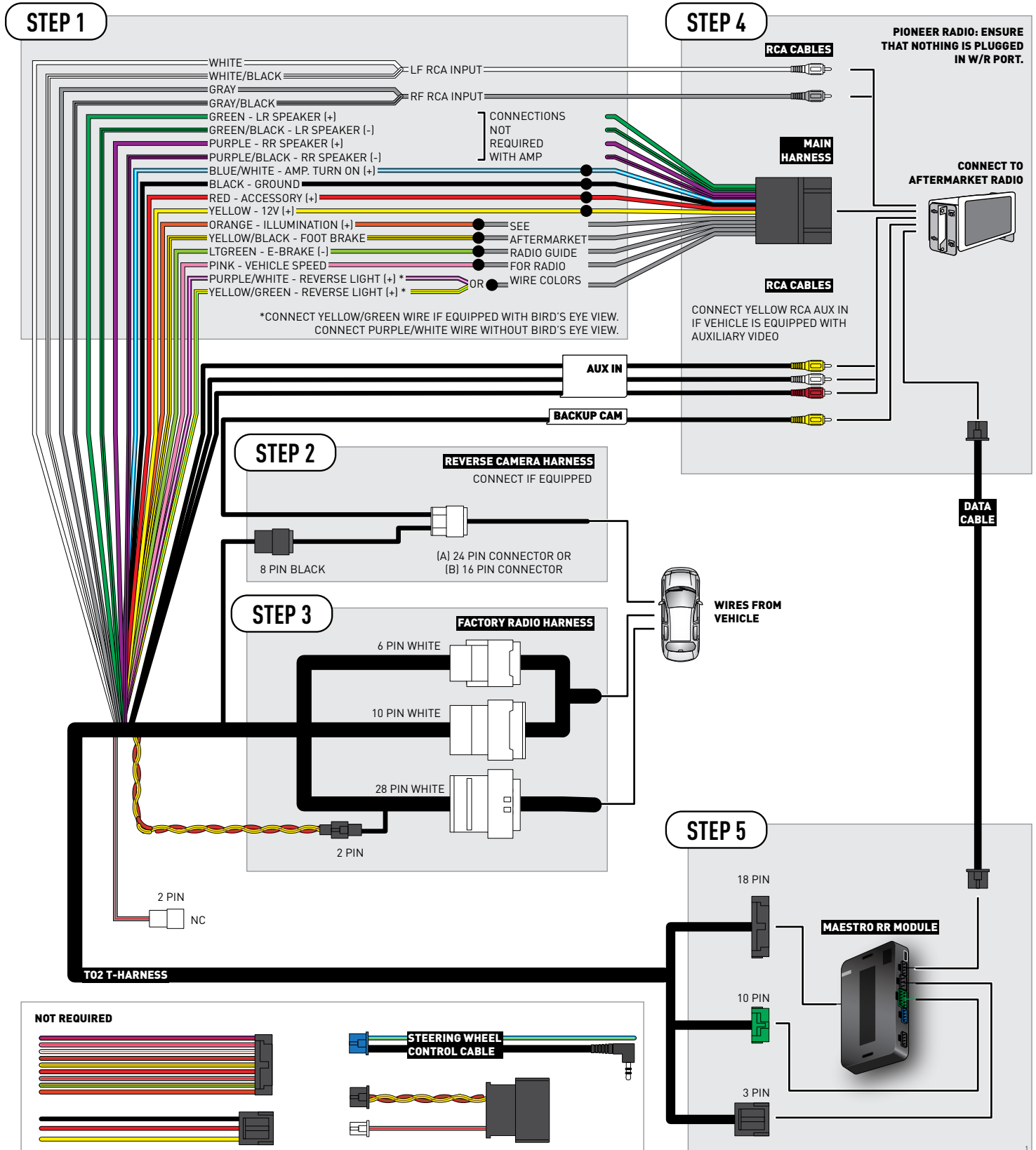
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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.

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- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

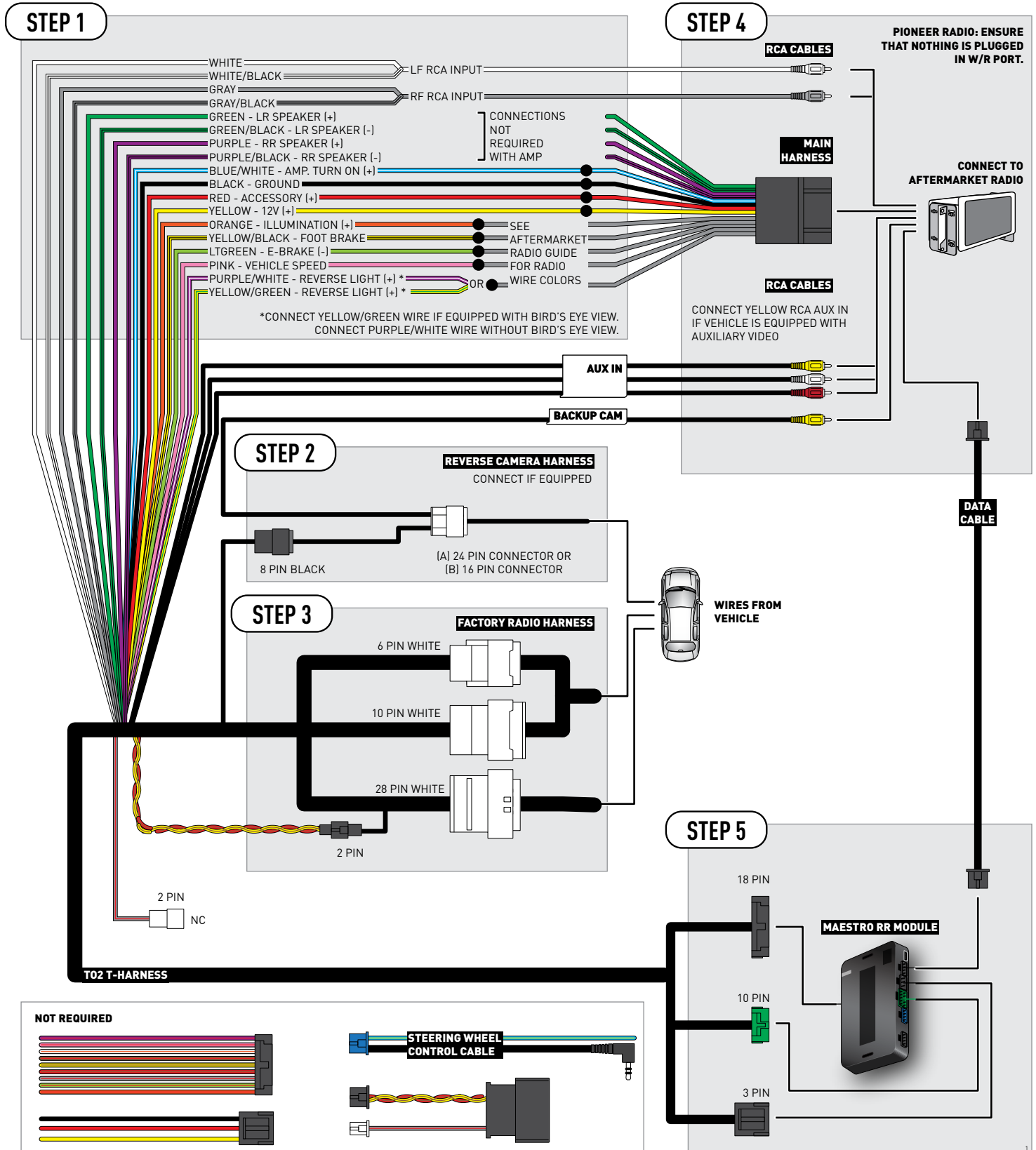
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

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The radio is turning 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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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).

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- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

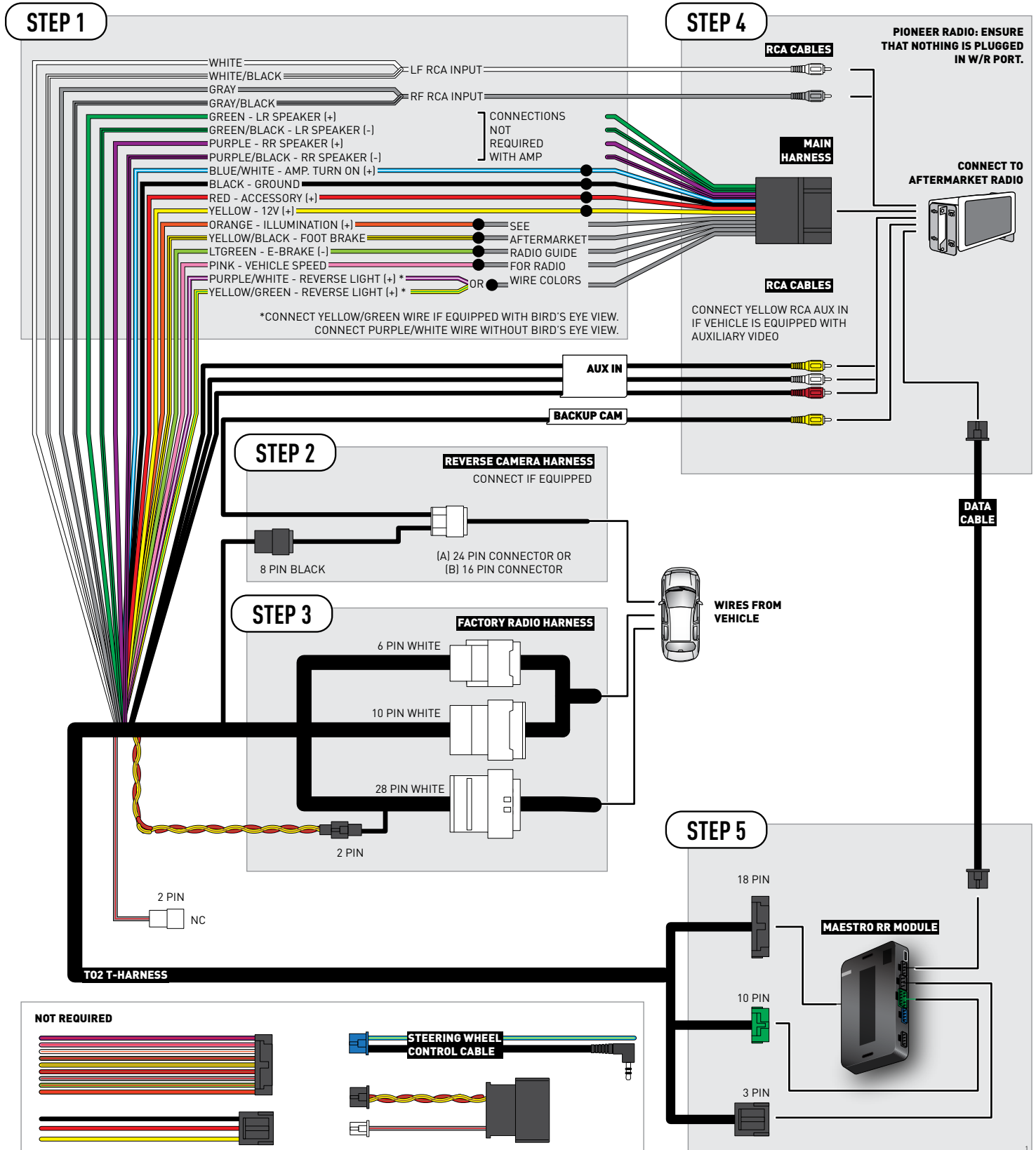
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WIRING DIAGRAM













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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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.
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The radio is NOT turning ON and the light on the 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.
The radio is turning 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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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).

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker RCA connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

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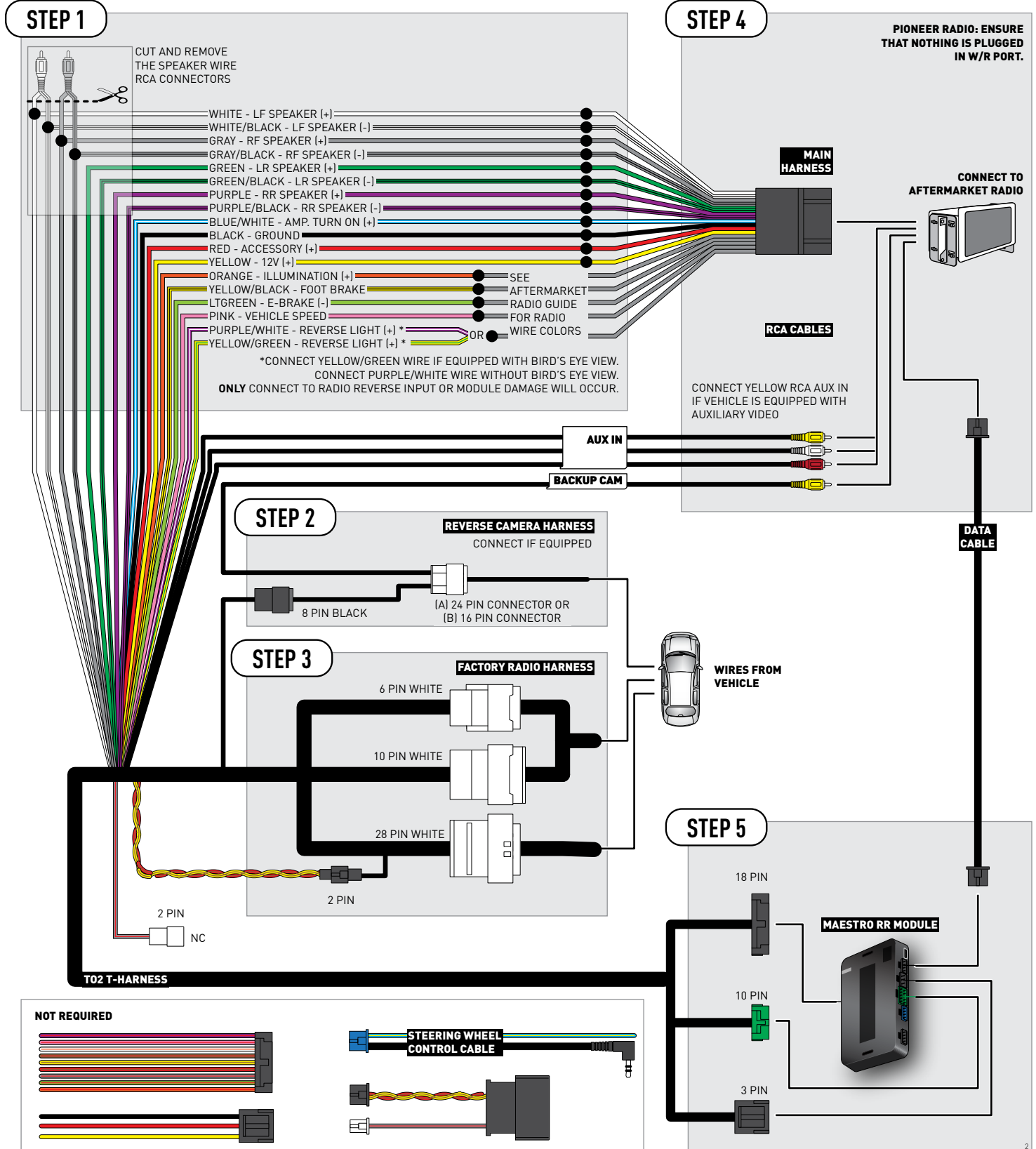
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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker RCA connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

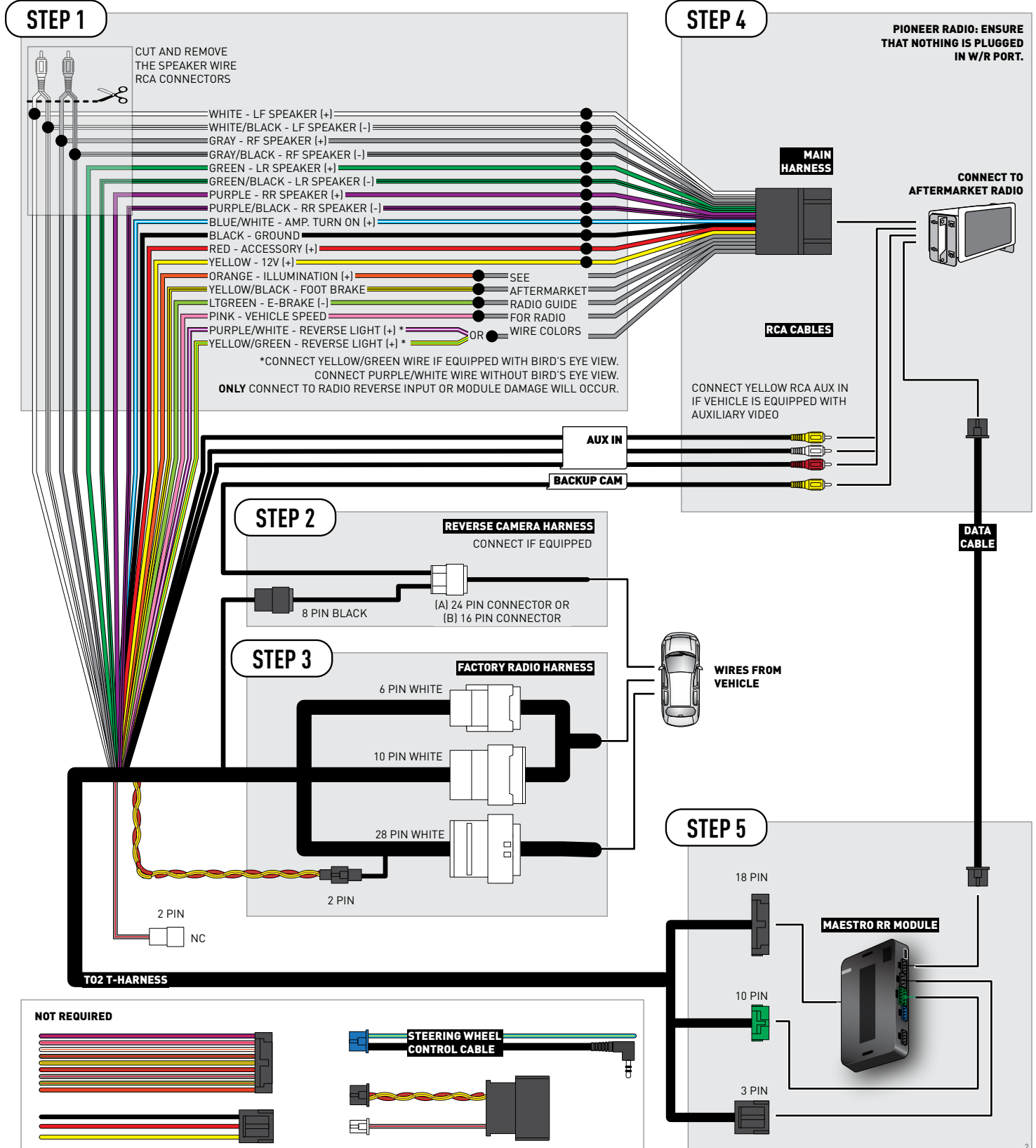
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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

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RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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OPTIONAL ACCESSORIES



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STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

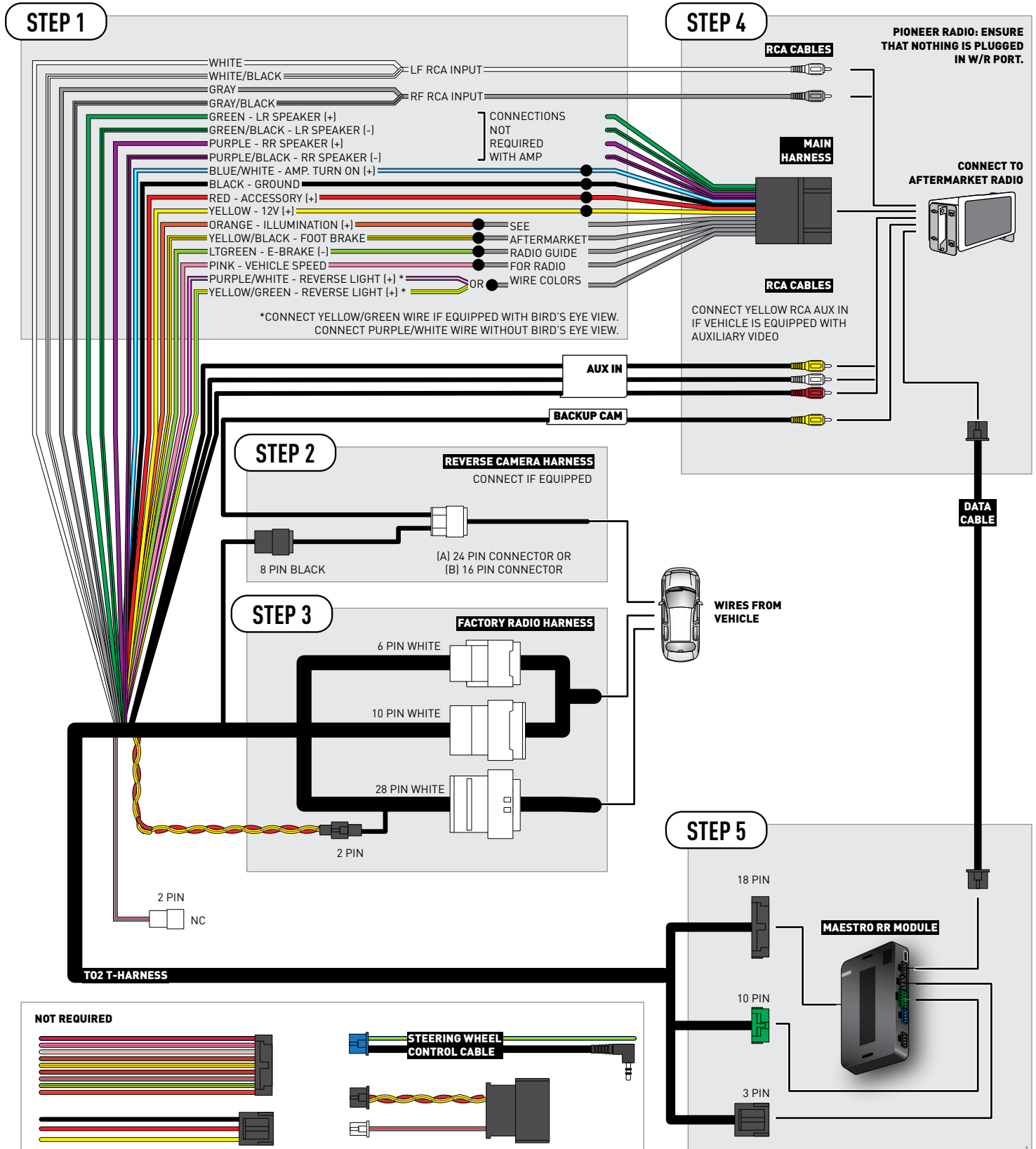
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink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

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STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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- Plug the Data cable to the data port of the aftermarket radio.

Note:

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STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

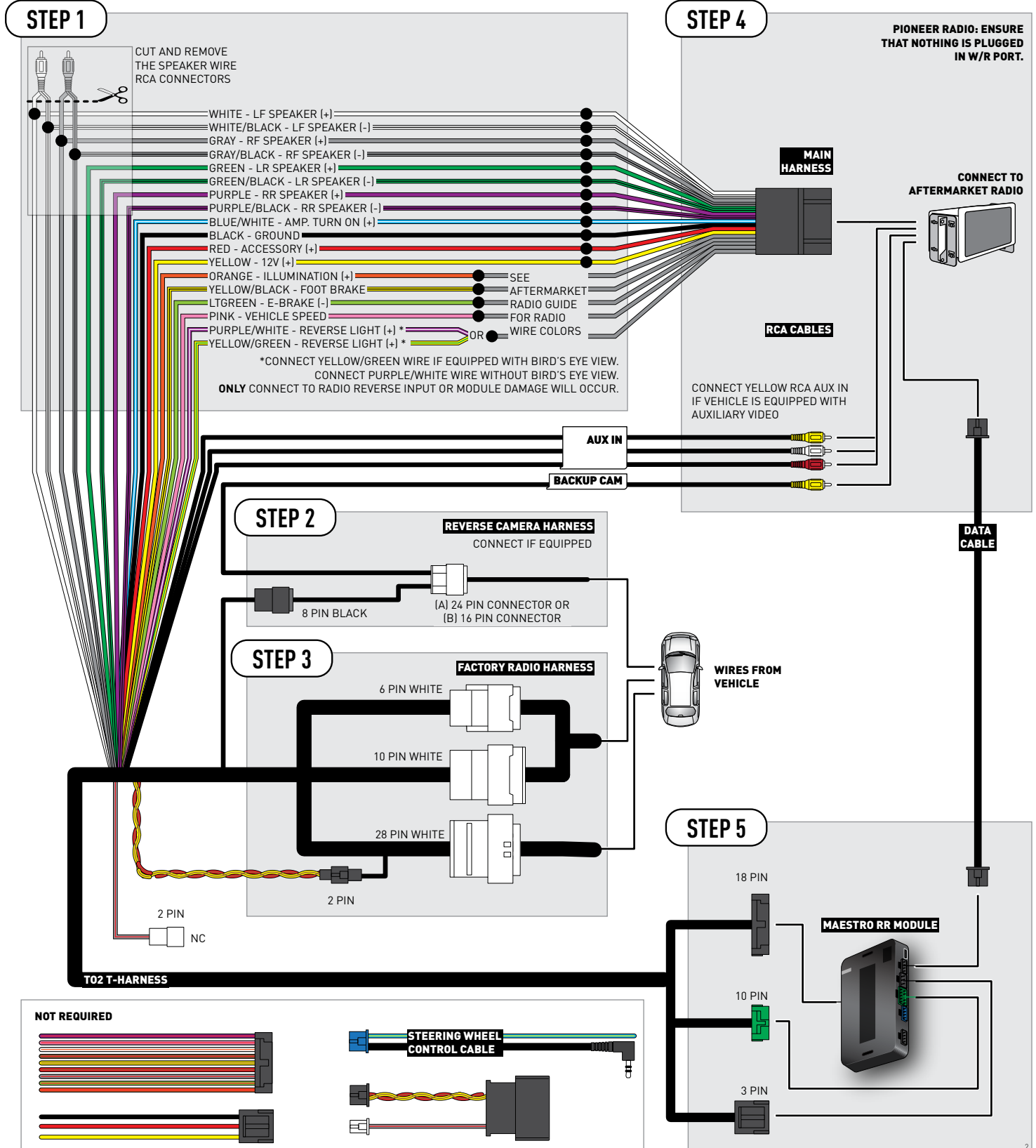
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WIRING DIAGRAM



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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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MAESTRO RR RESET PROCEDURE:

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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).

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TECHNICAL ASSISTANCE

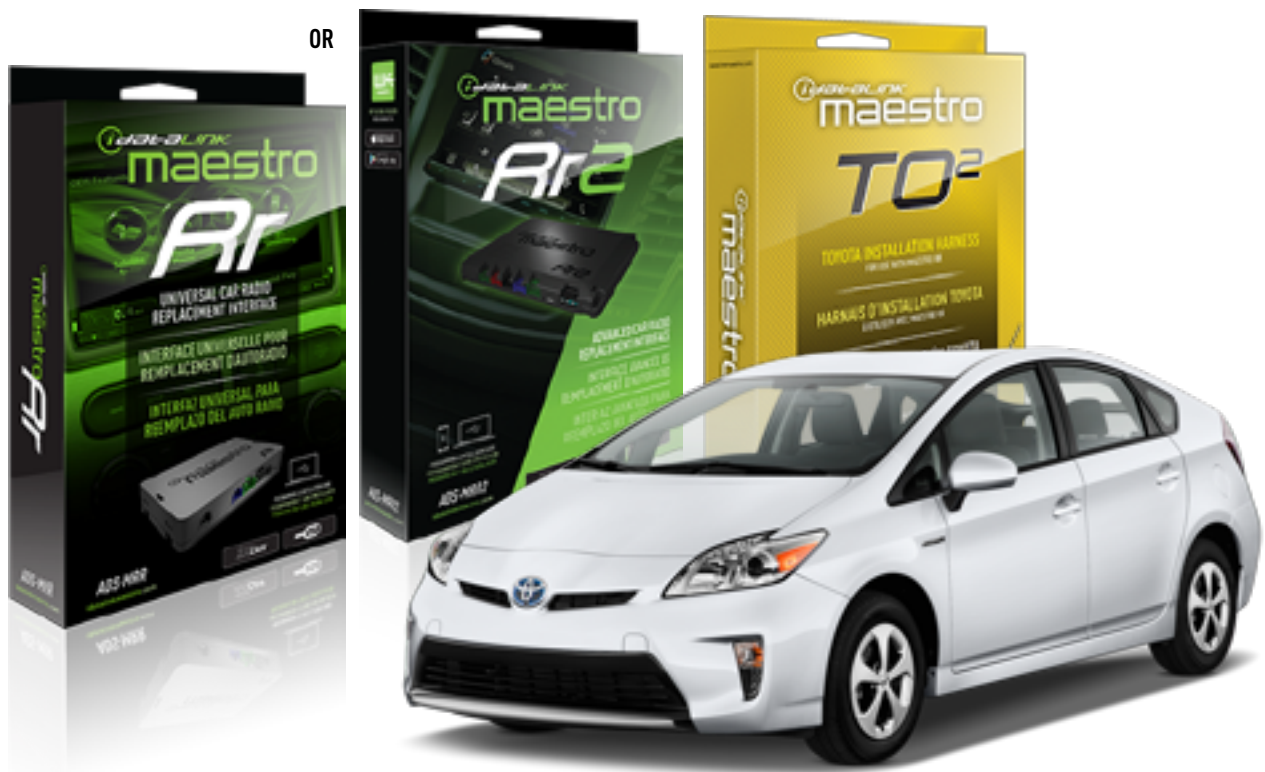
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STEP 1

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STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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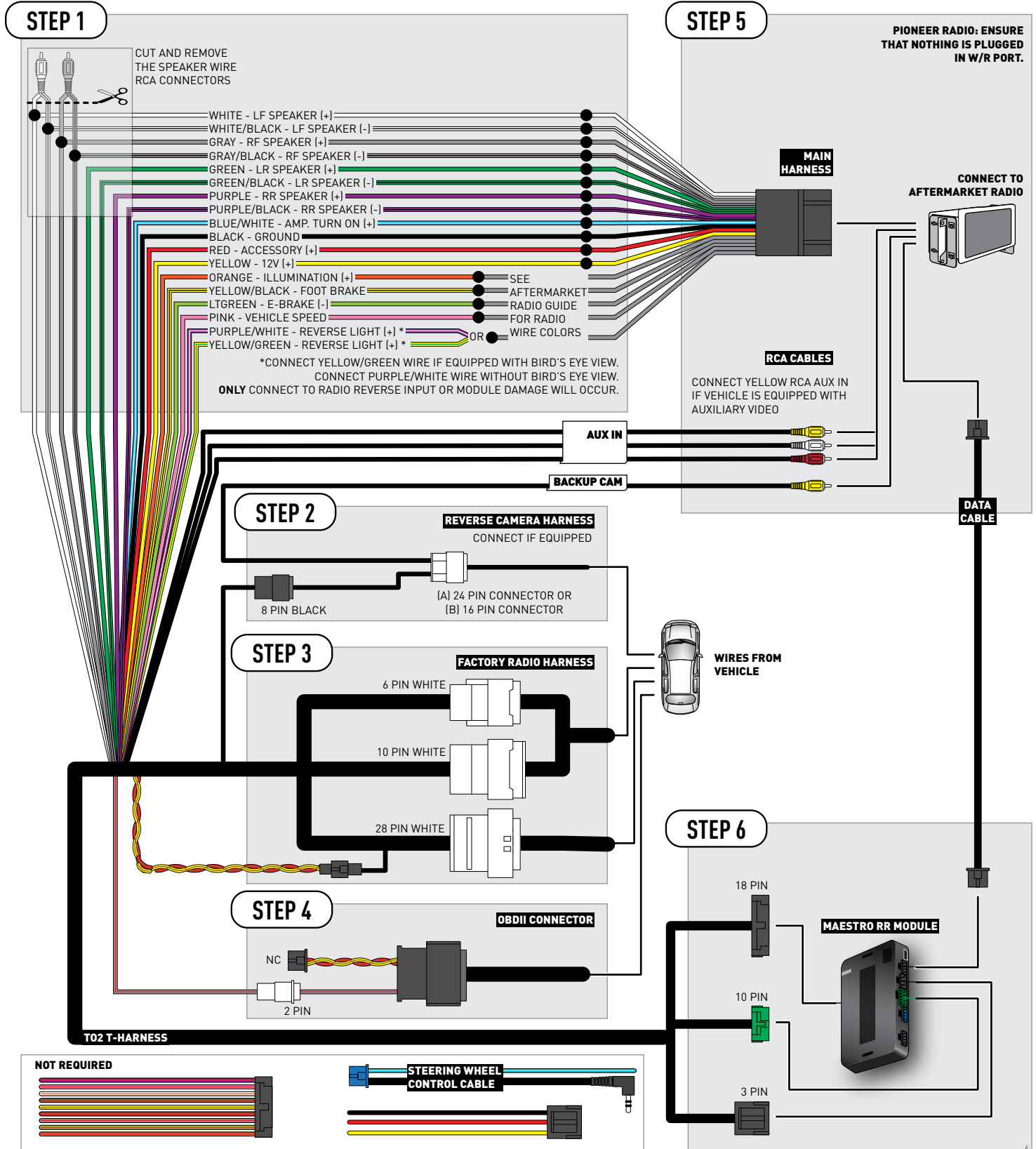
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- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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.

Camera controls (with vehicle in reverse)

MODE - Change view

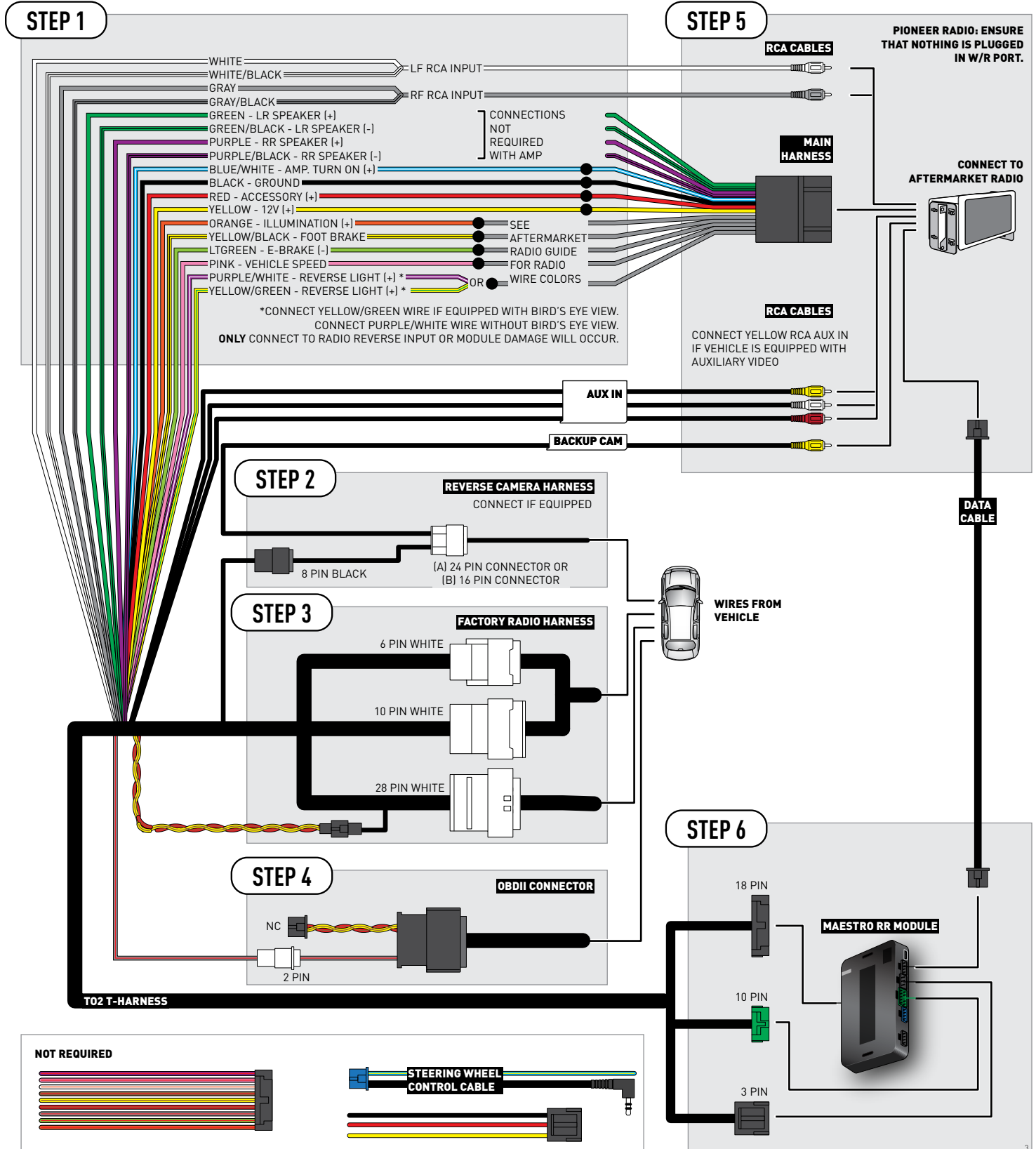
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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

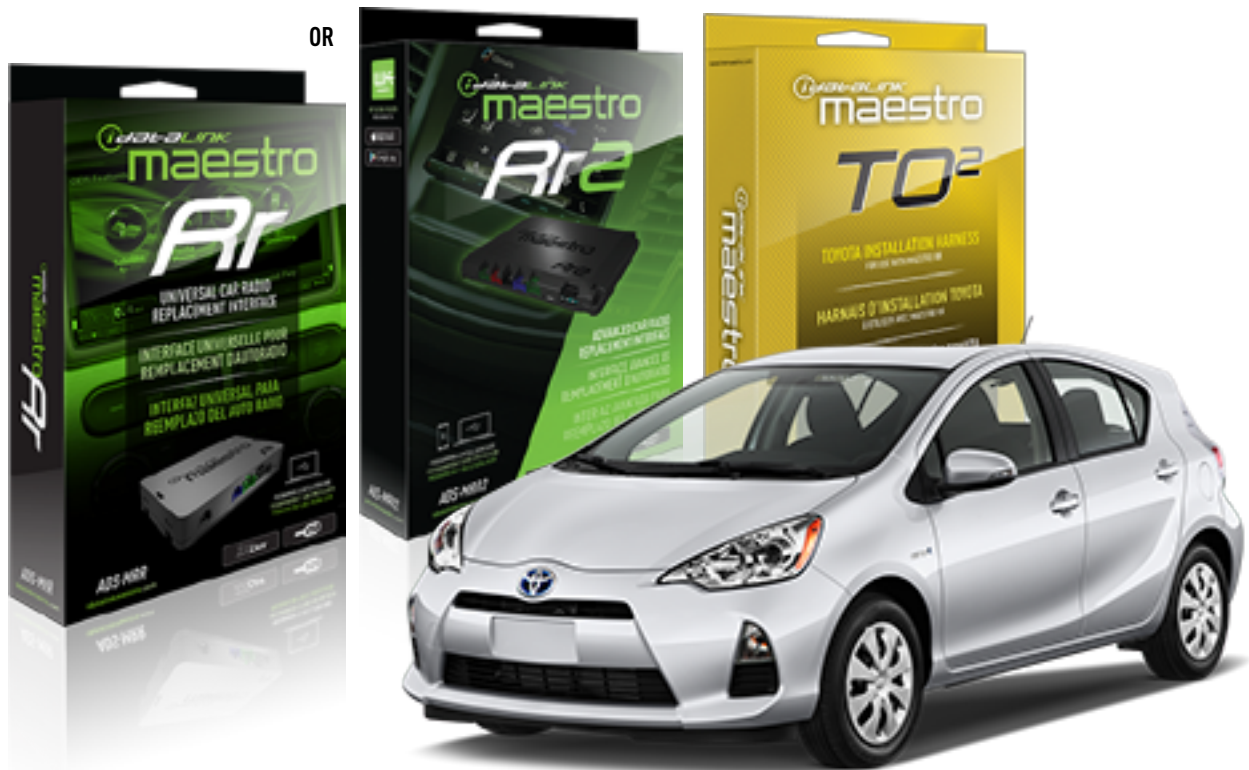
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2012-2014
TOYOTA PRIUS C
WITHOUT JBL

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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iDatalink Maestro HRN-RR-T02 Installation Harness

PROGRAMMED FIRMWARE

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ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES



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Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

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STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

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- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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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.

Camera controls (with vehicle in reverse)

MODE - Change view

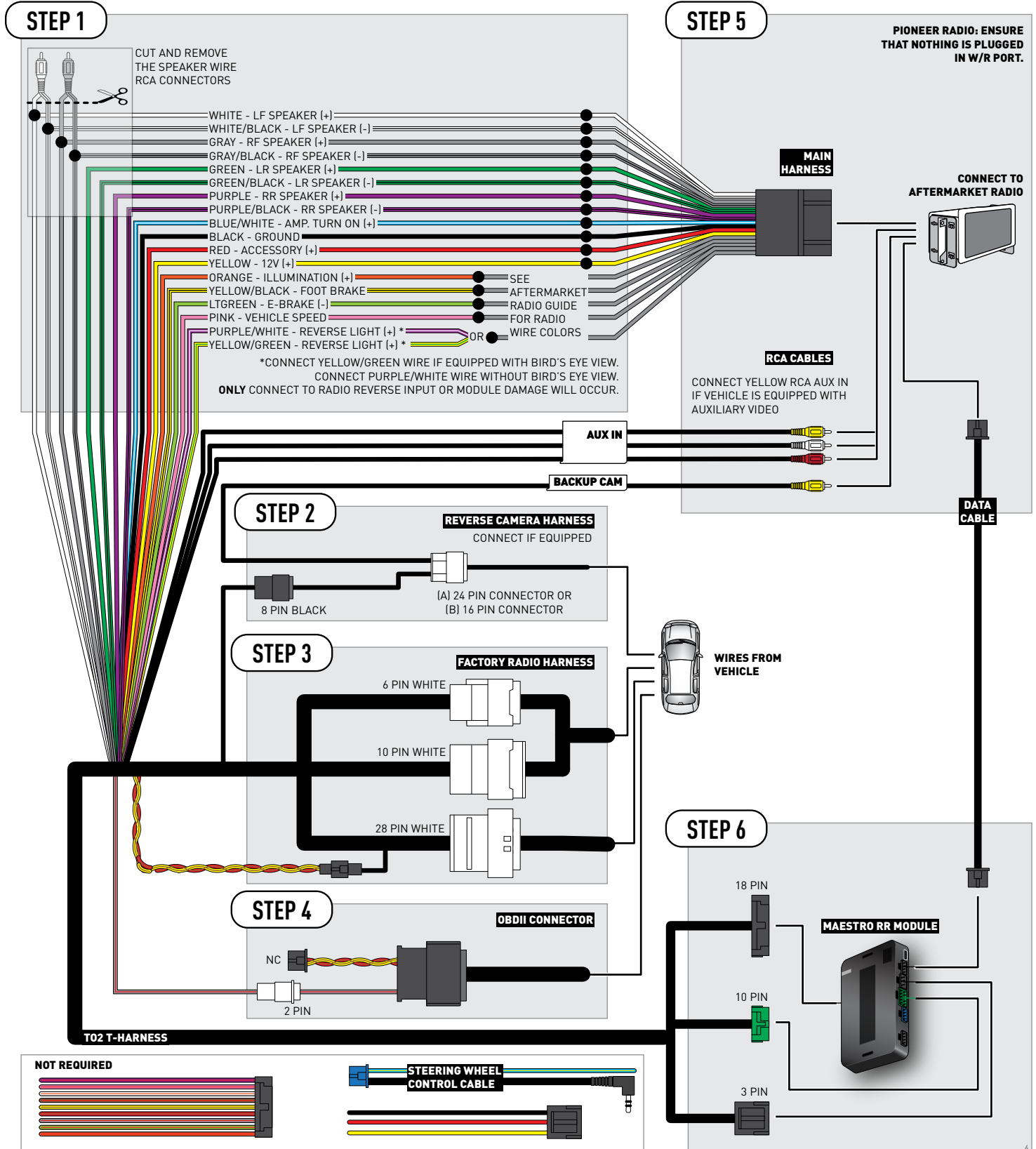
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink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

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.
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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

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Email: maestro.support@idatalink.com

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Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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Note:

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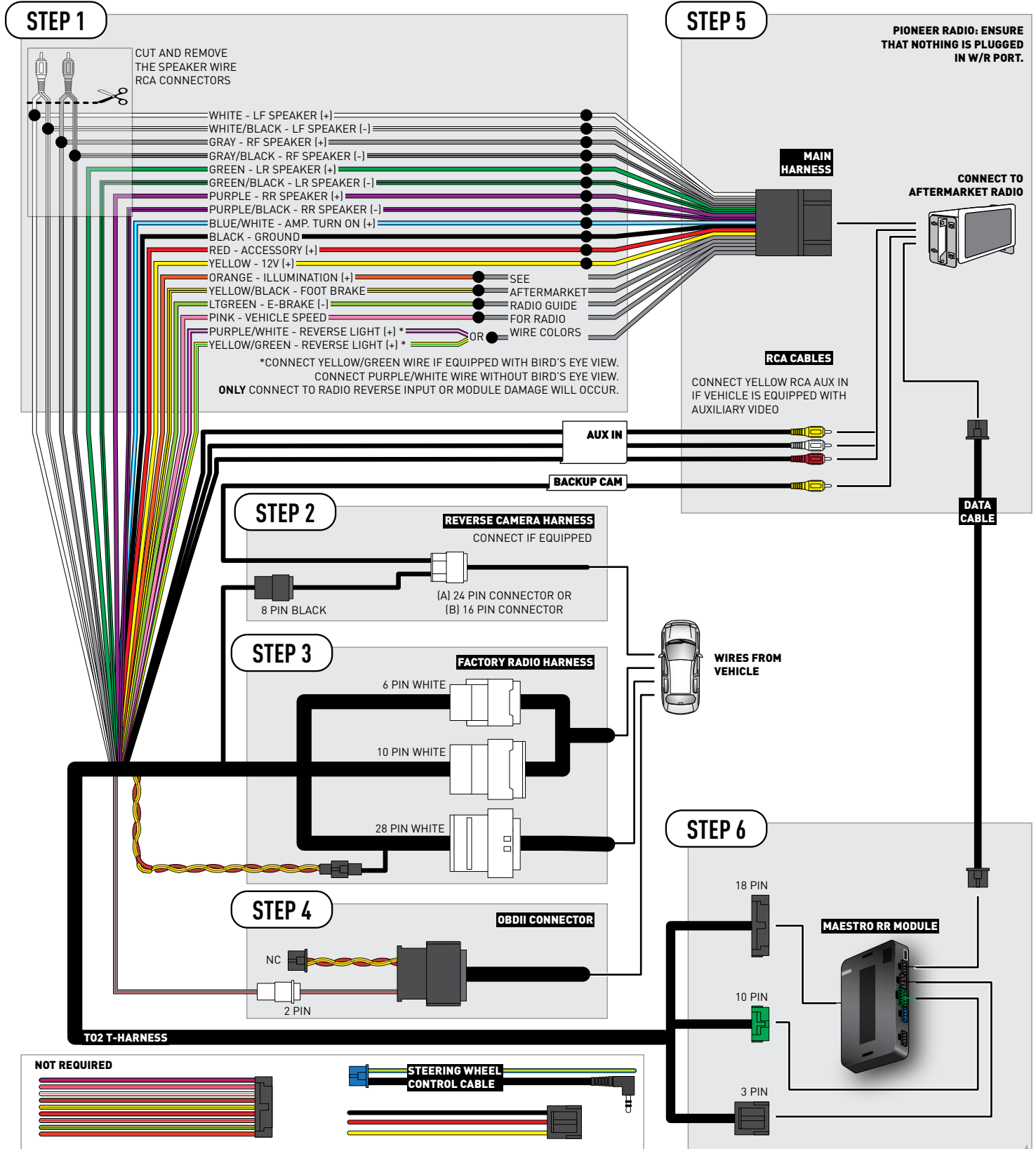
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink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

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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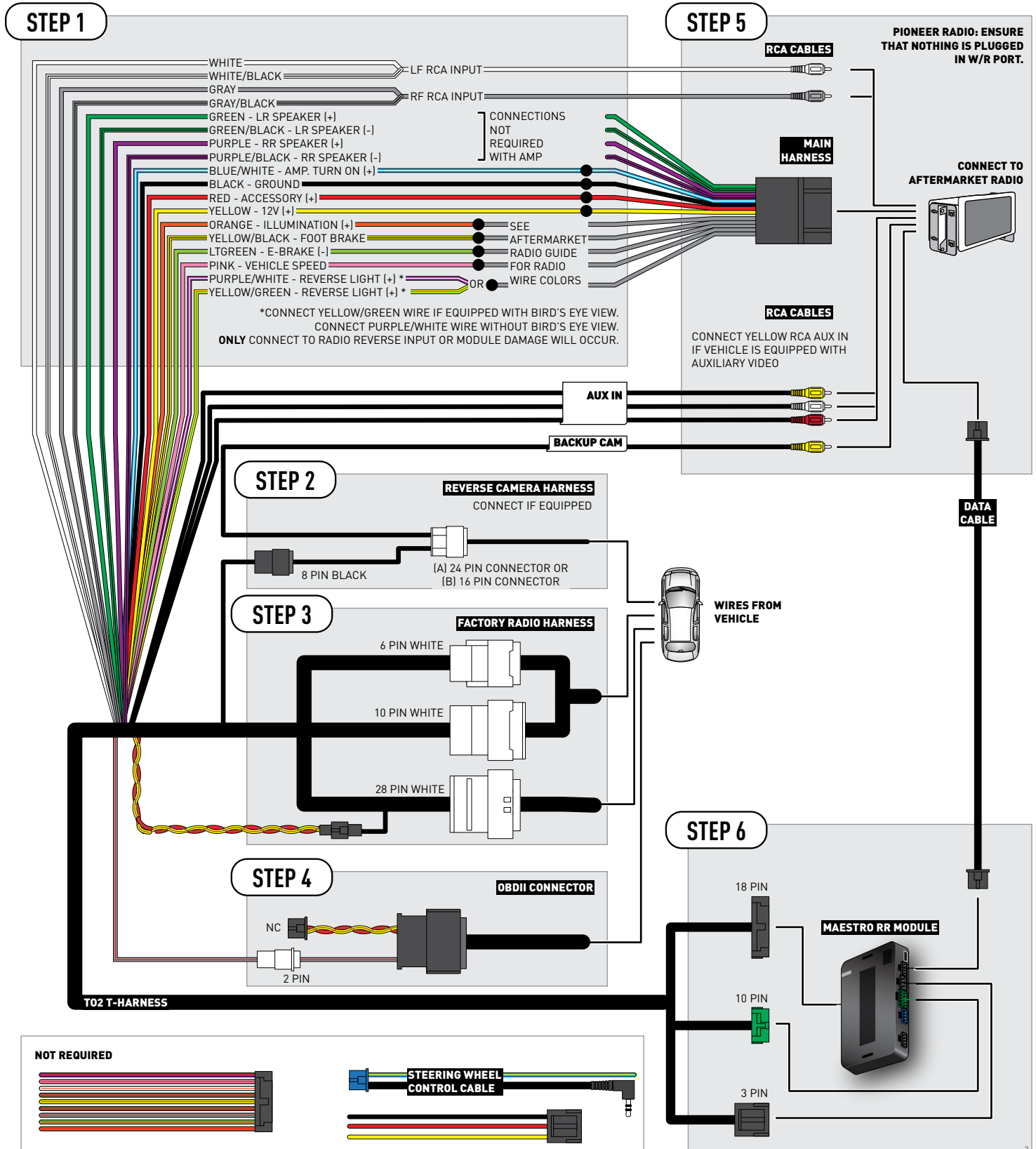
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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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.

Camera controls (with vehicle in reverse)

MODE - Change view

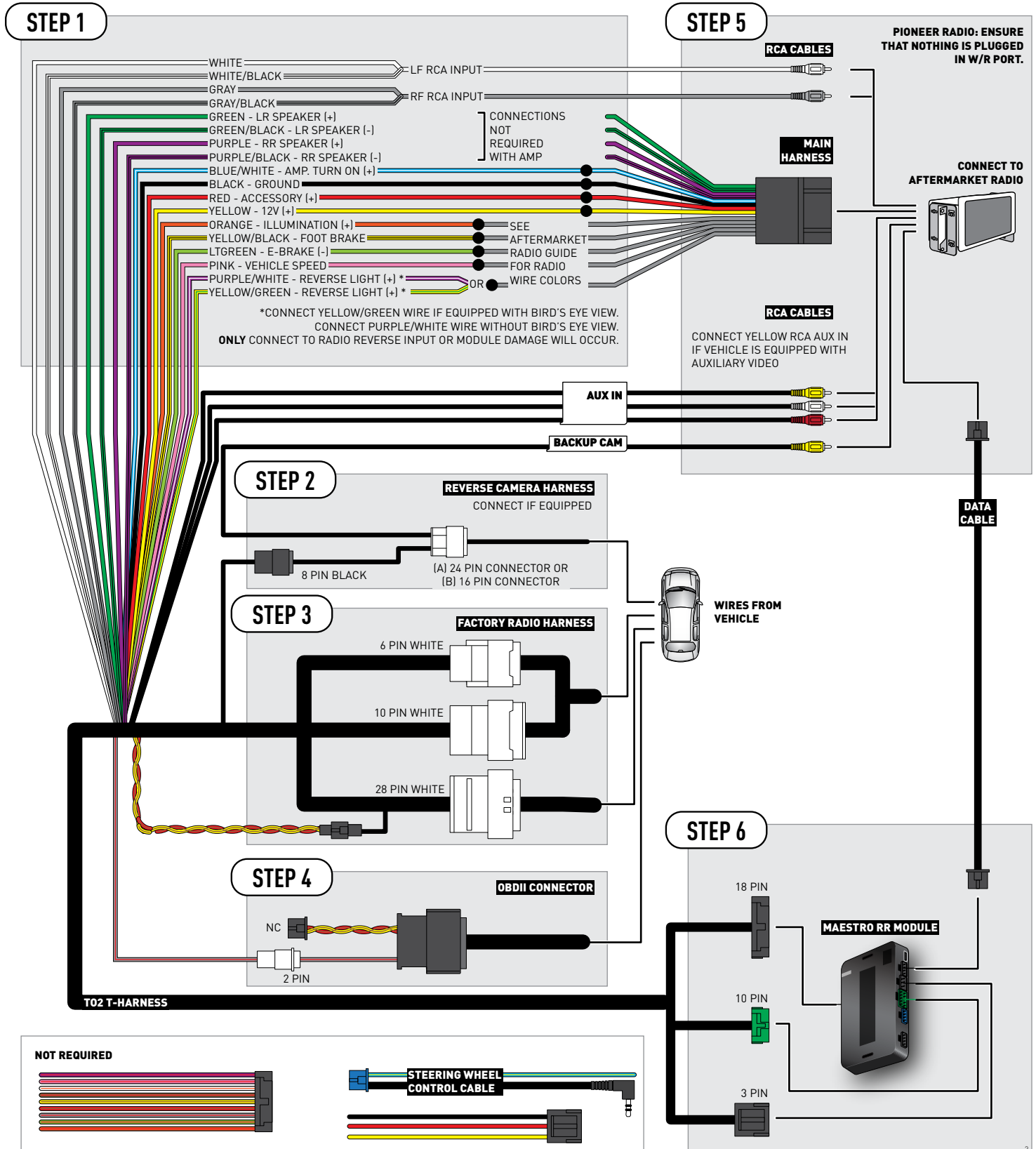
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

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Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

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- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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Note:

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Camera controls (with vehicle in reverse)

MODE - Change view

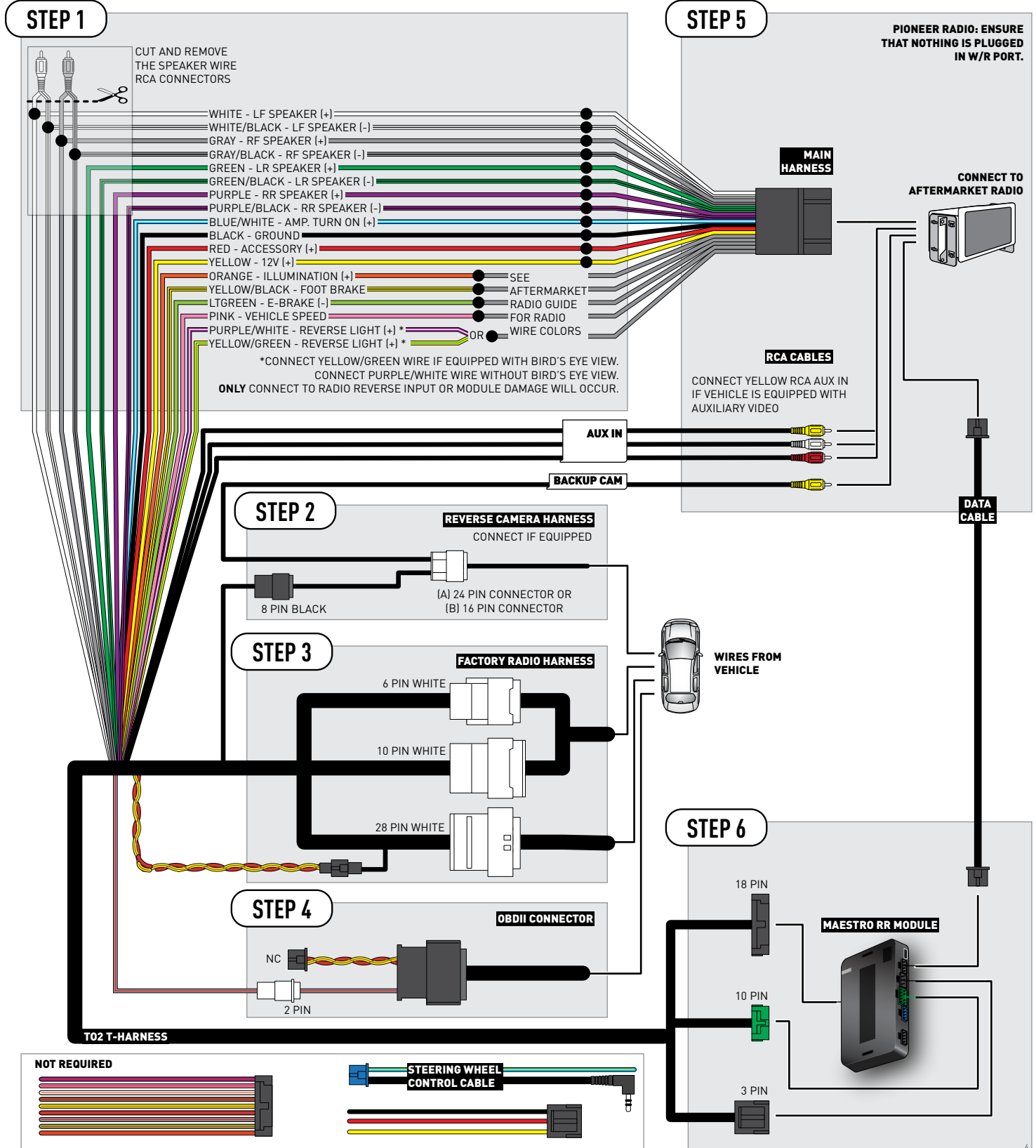
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink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

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STEP 2

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STEP 3

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STEP 6

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Camera controls (with vehicle in reverse)

MODE - Change view

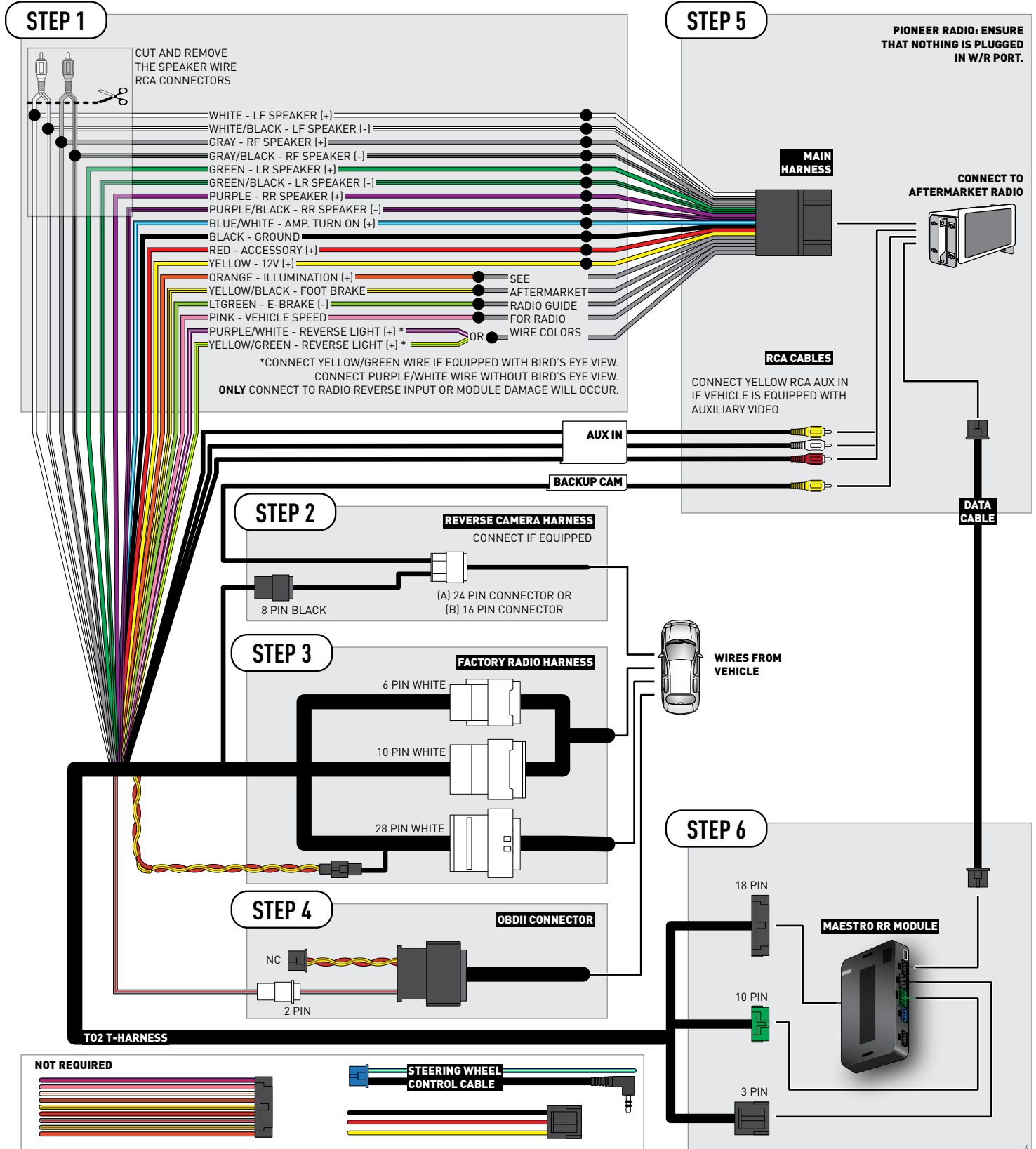
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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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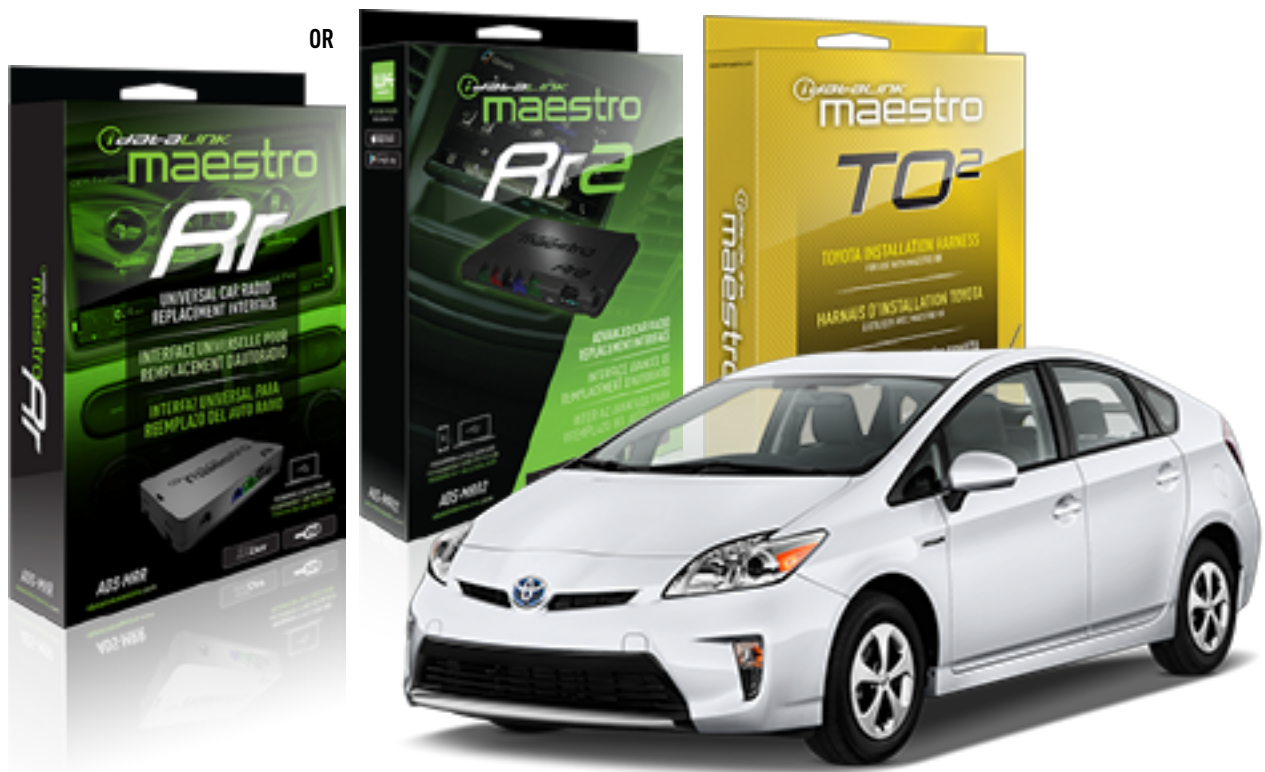
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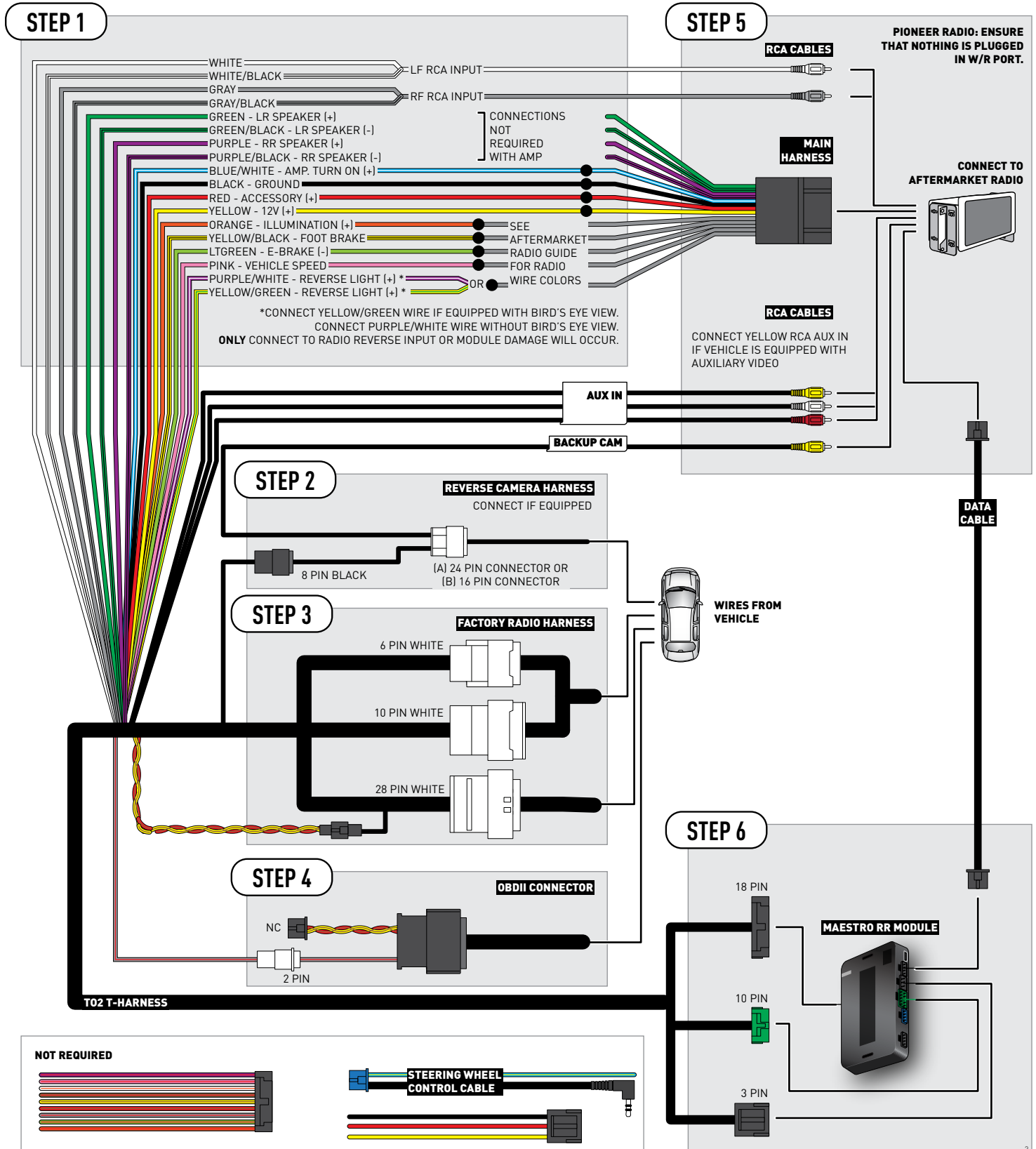
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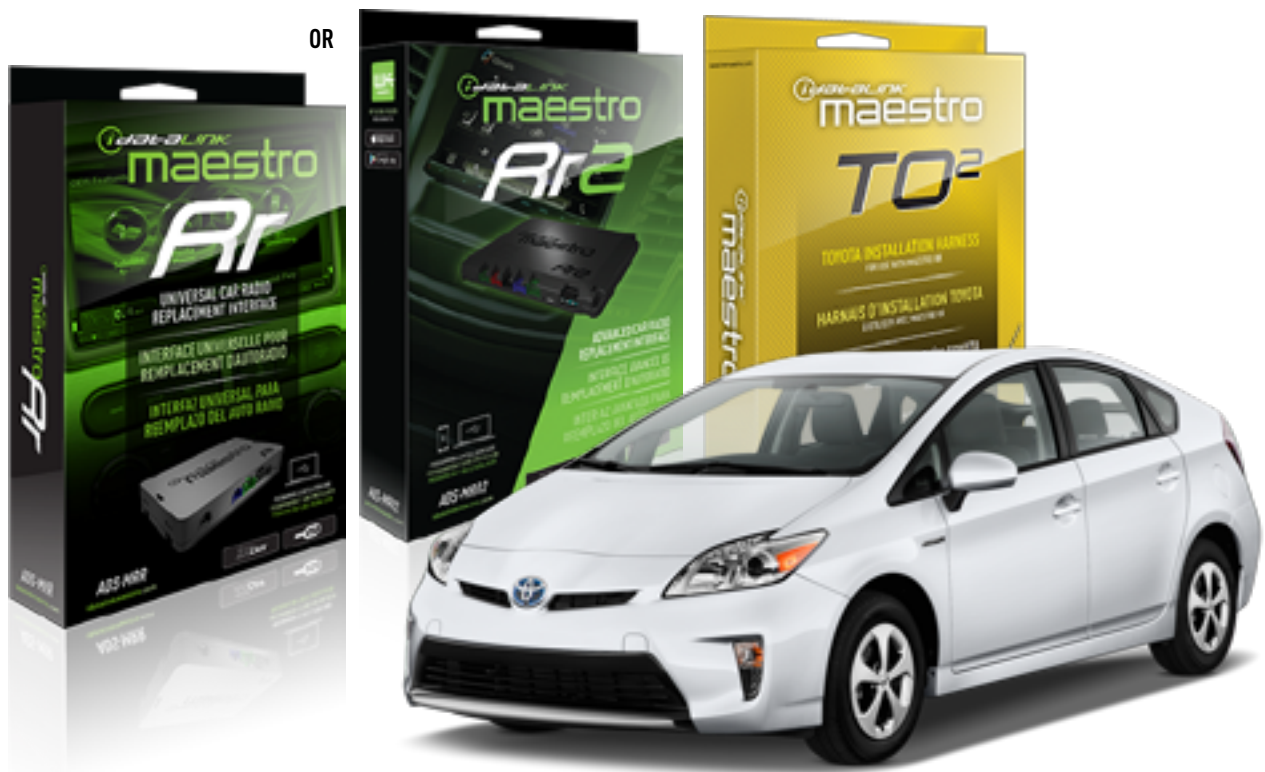
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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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.

Camera controls (with vehicle in reverse)

MODE - Change view

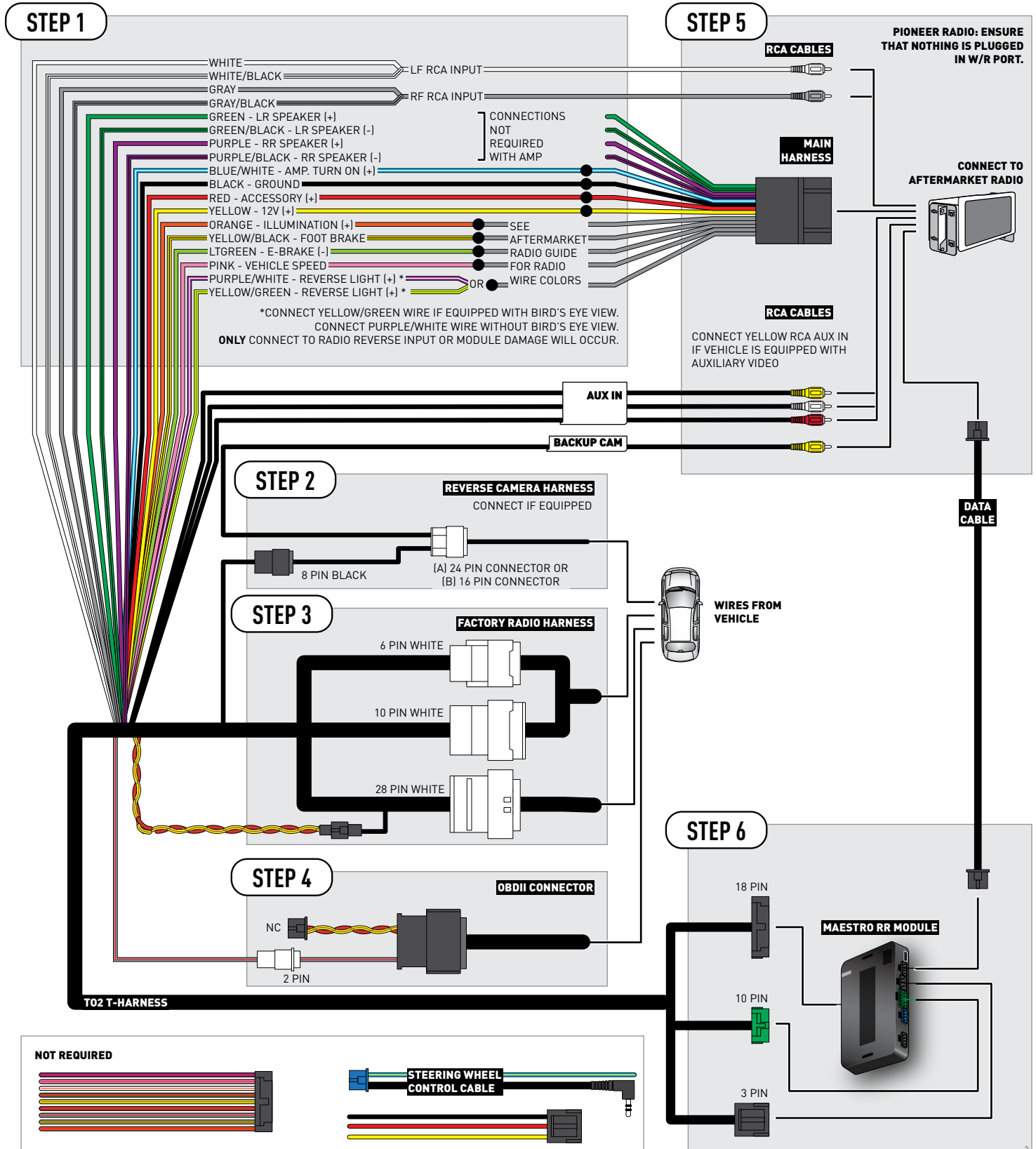
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
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TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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

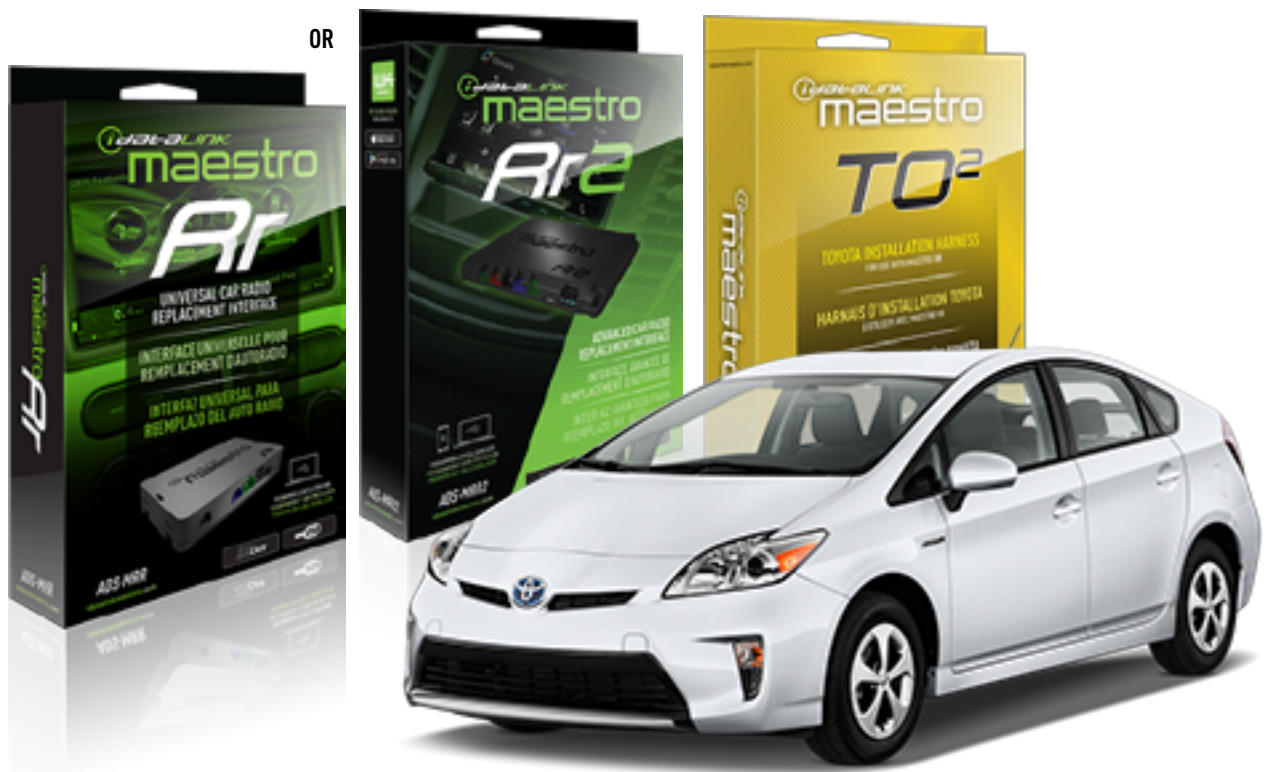
Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
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NEED HELP?

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Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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Note:

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STEP 6

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

Camera controls (with vehicle in reverse)

MODE - Change view

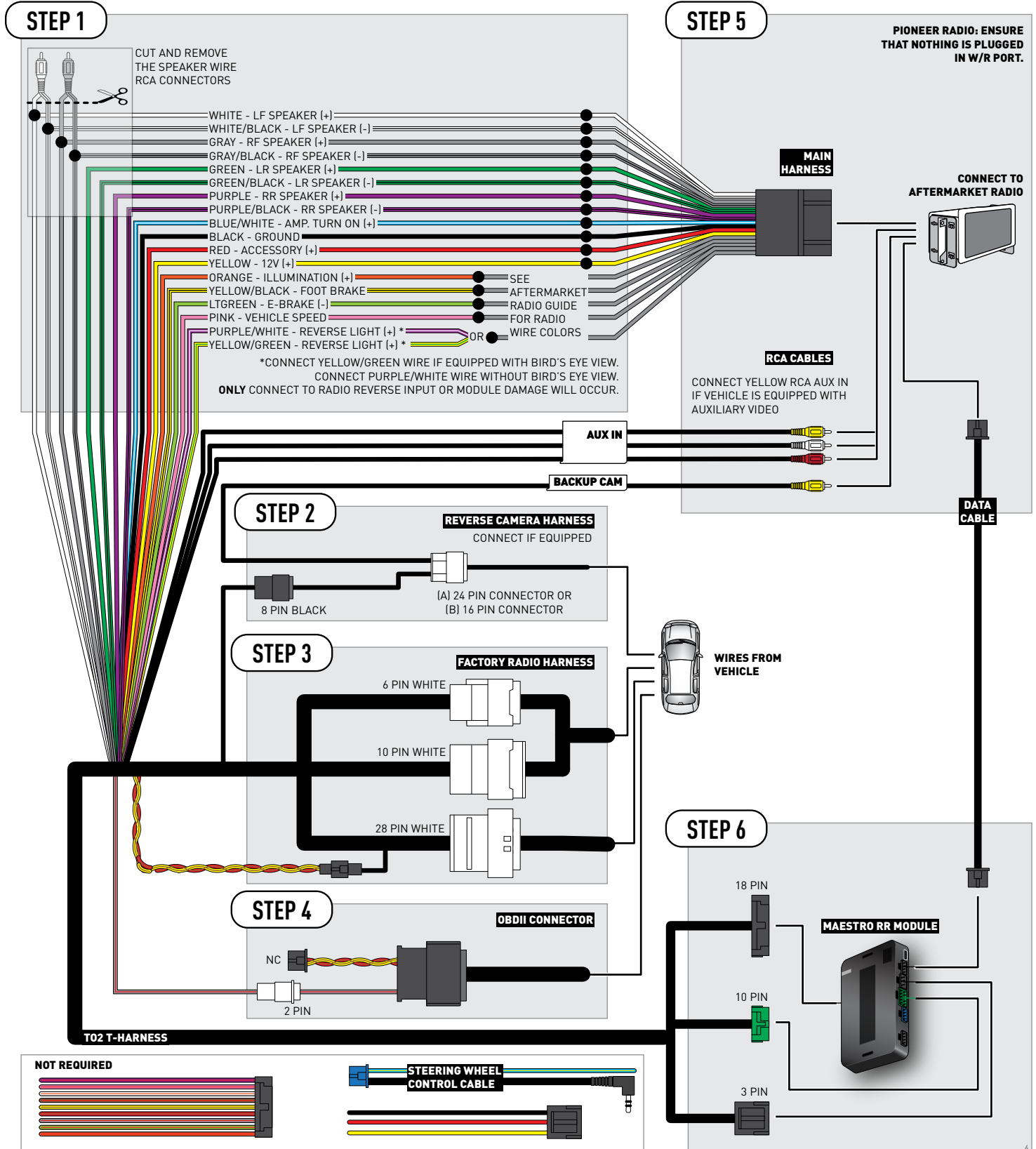
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TECHNICAL ASSISTANCE

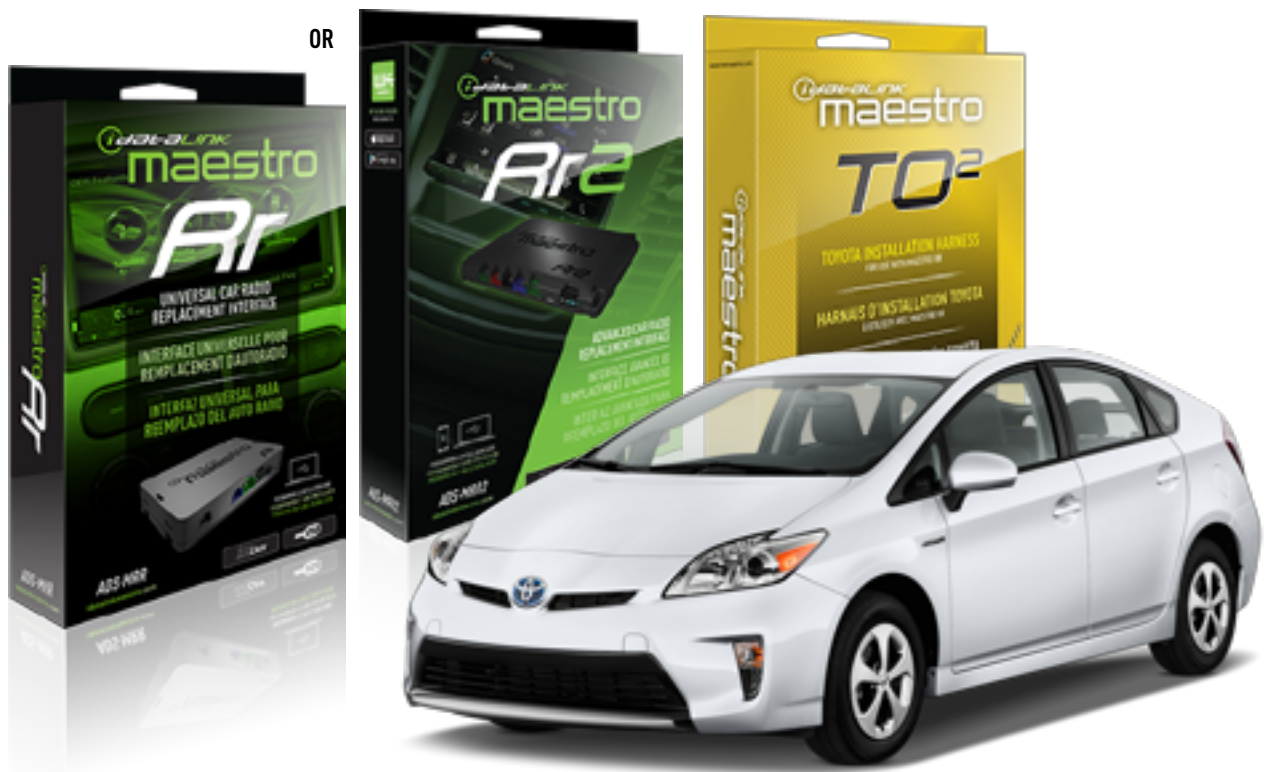
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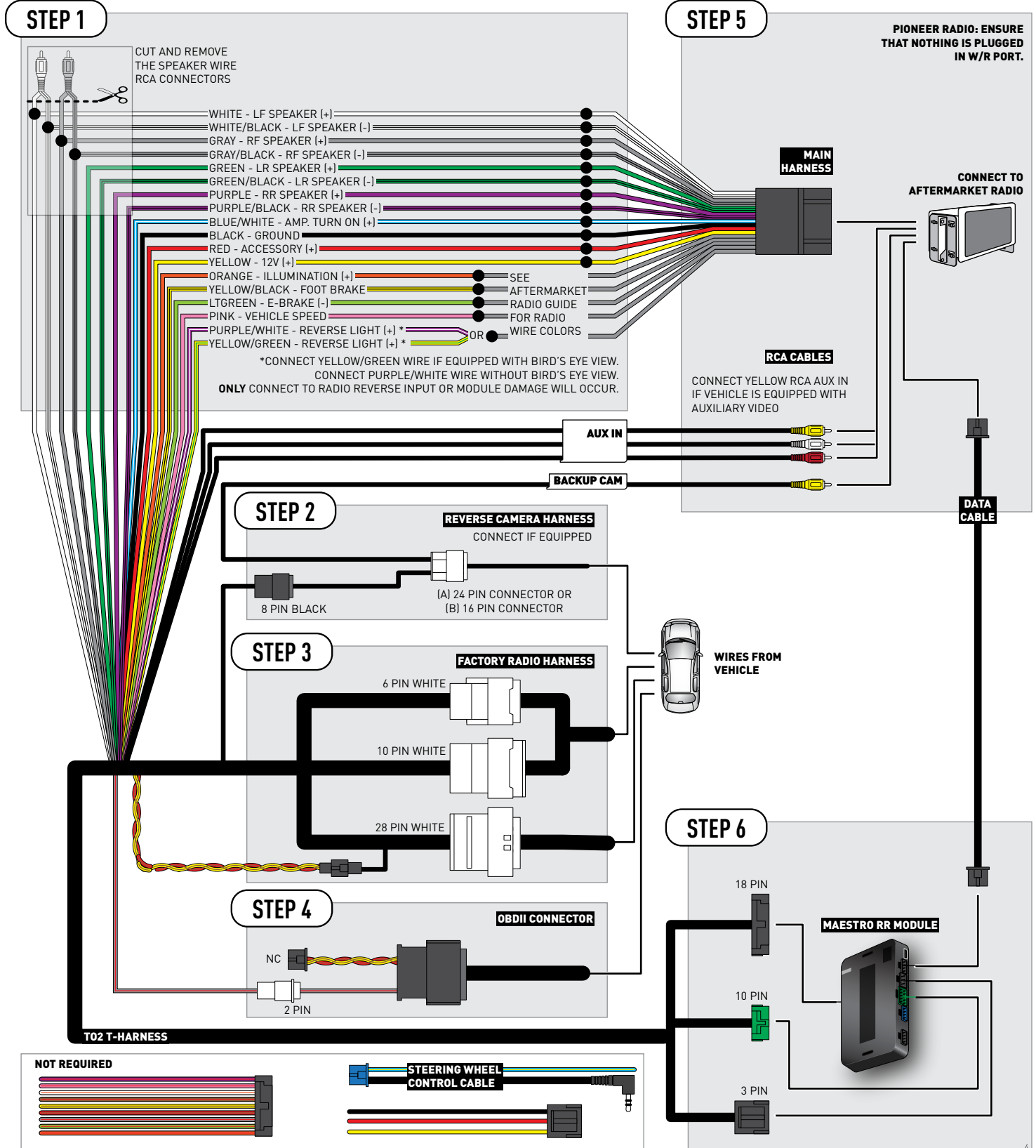
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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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2013-2018
TOYOTA RAV 4
WITH FACTORY 6.1 INCH SCREEN

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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PROGRAMMED FIRMWARE

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ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

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2013-2018

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

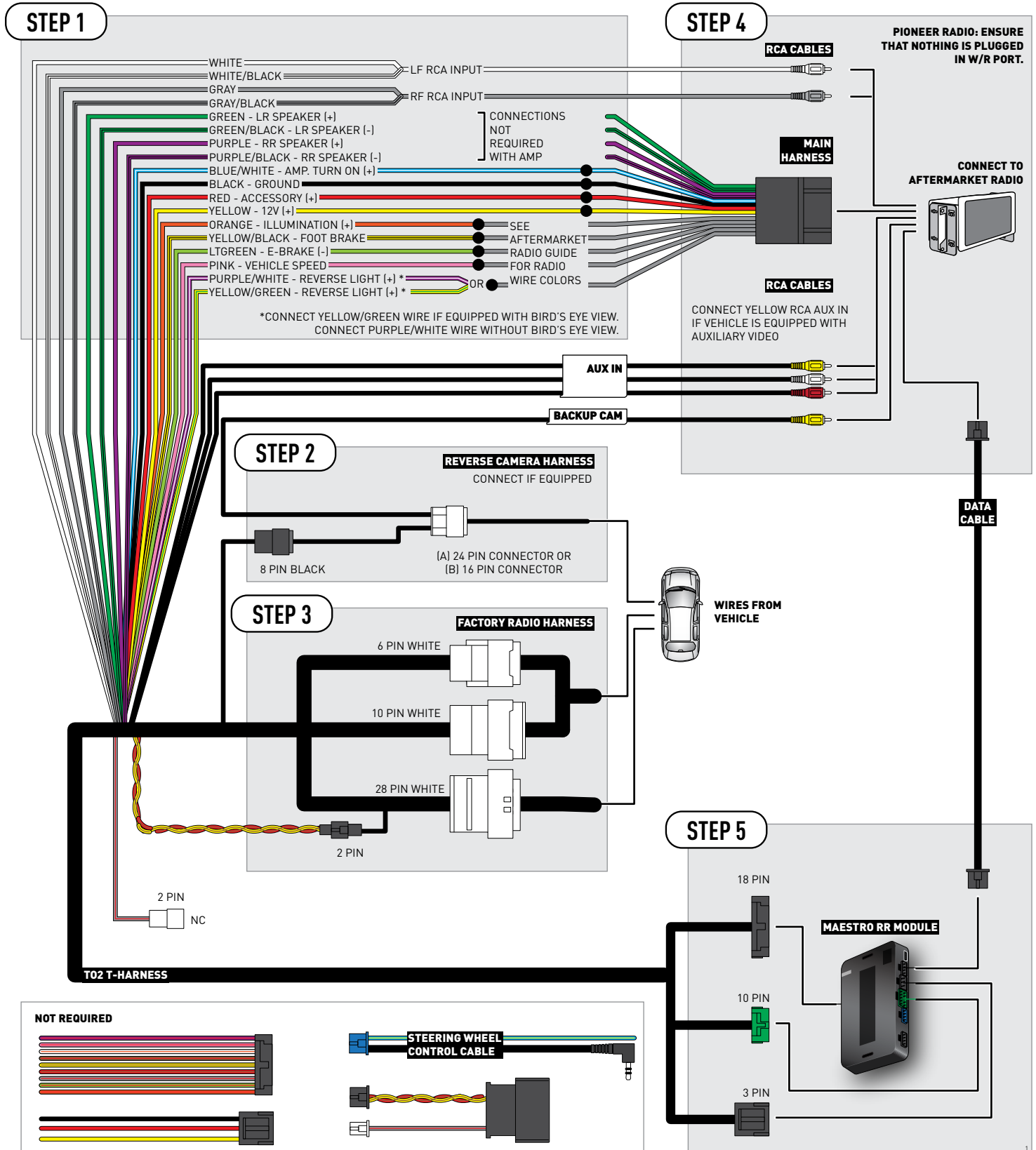
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM











RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



PRODUCTS REQUIRED

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iDatalink Maestro HRN-RR-TO2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



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NEED HELP?

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STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Unplug the Black 2 pin connector near the 28 Pin connector of the T02 T-harness.
- Plug the Black 2 pin connector of the T02 T-harness into the Black 2 pin connector on the OBDII harness.
- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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.

Camera controls (with vehicle in reverse)

MODE - Change view

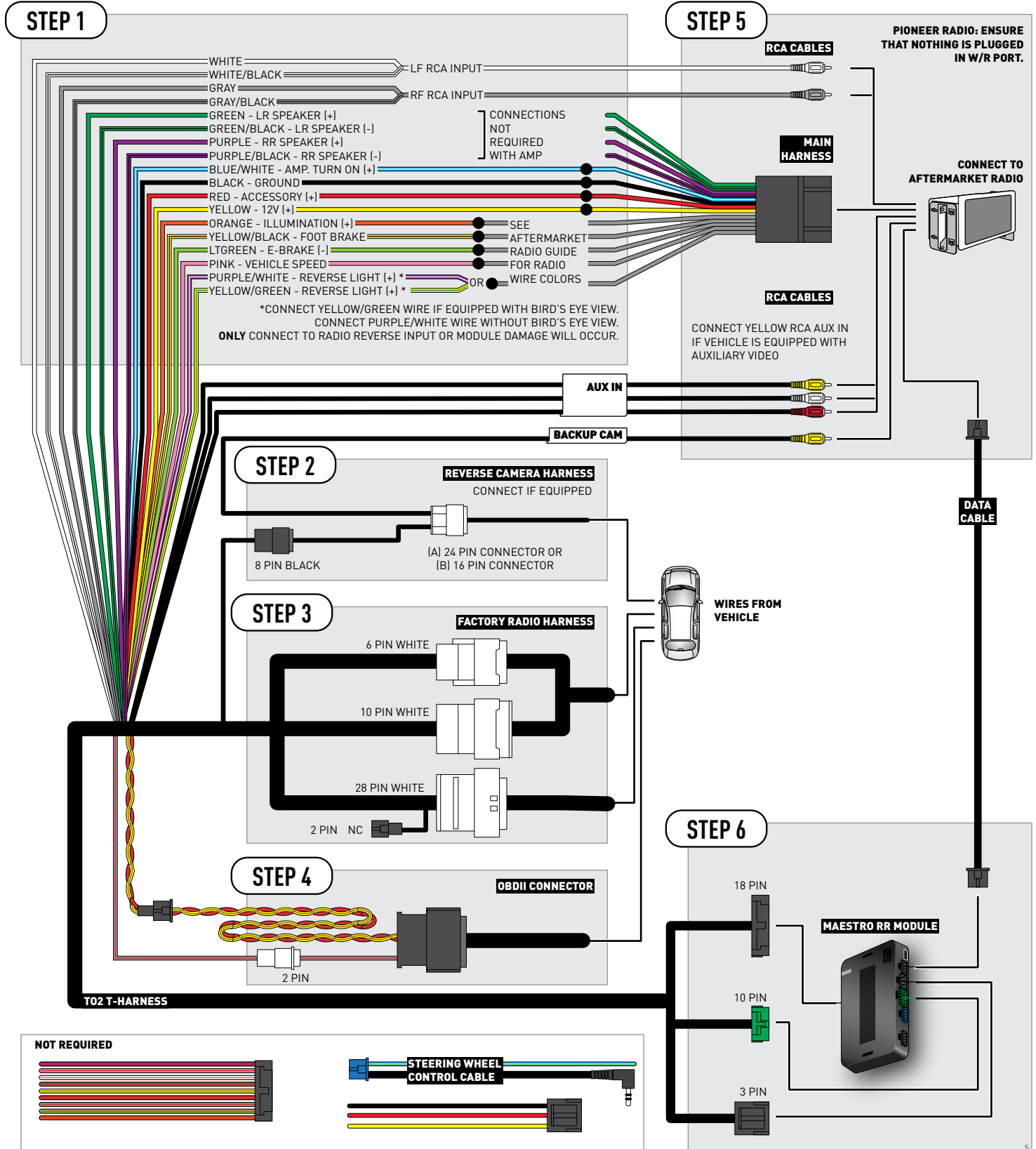
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle.</p> <p>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.</p> <p>Reset the RR.</p>
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning ON and the light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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.

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PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY02-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES



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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

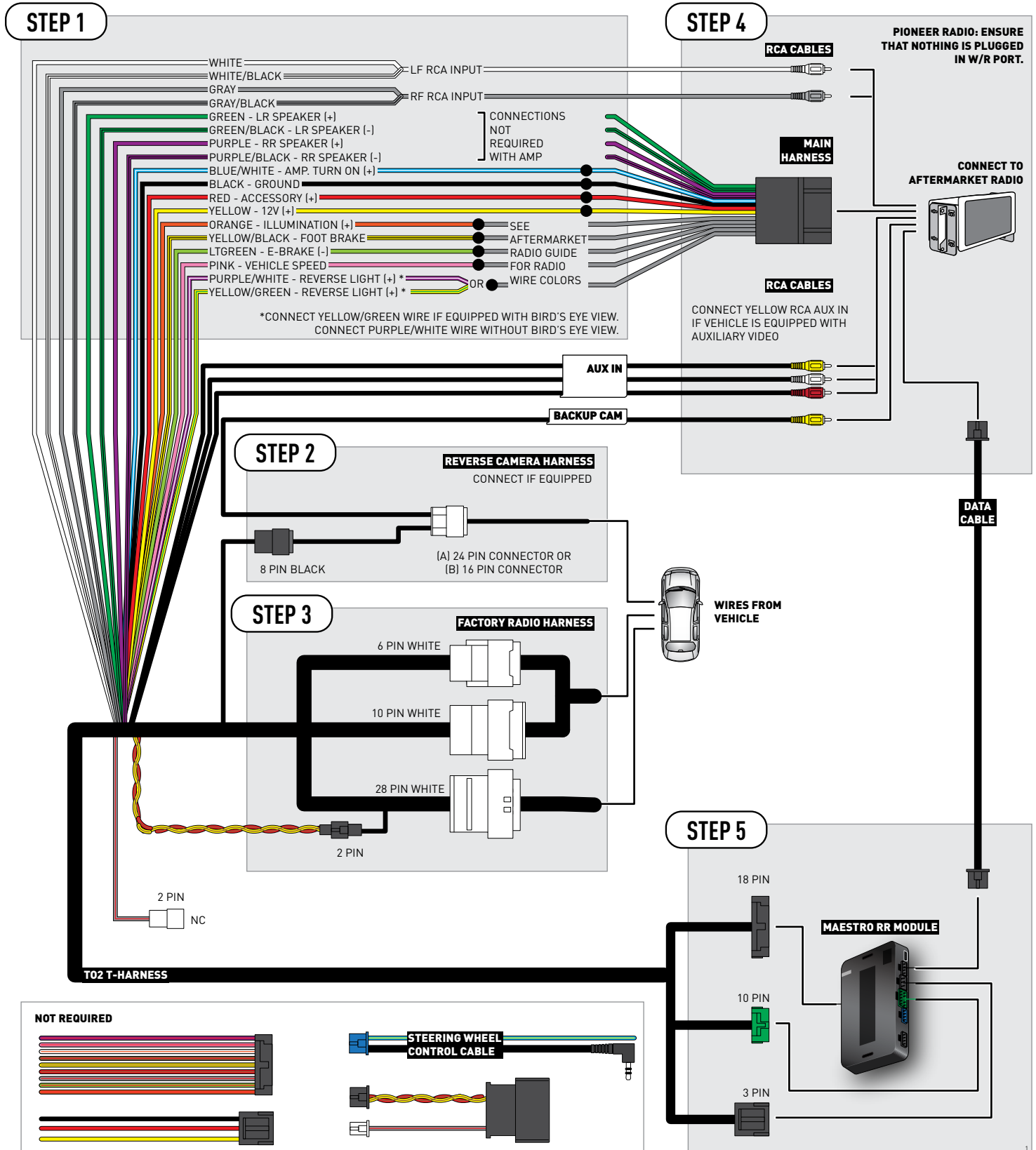
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

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VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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.

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- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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.

Camera controls (with vehicle in reverse)

MODE - Change view

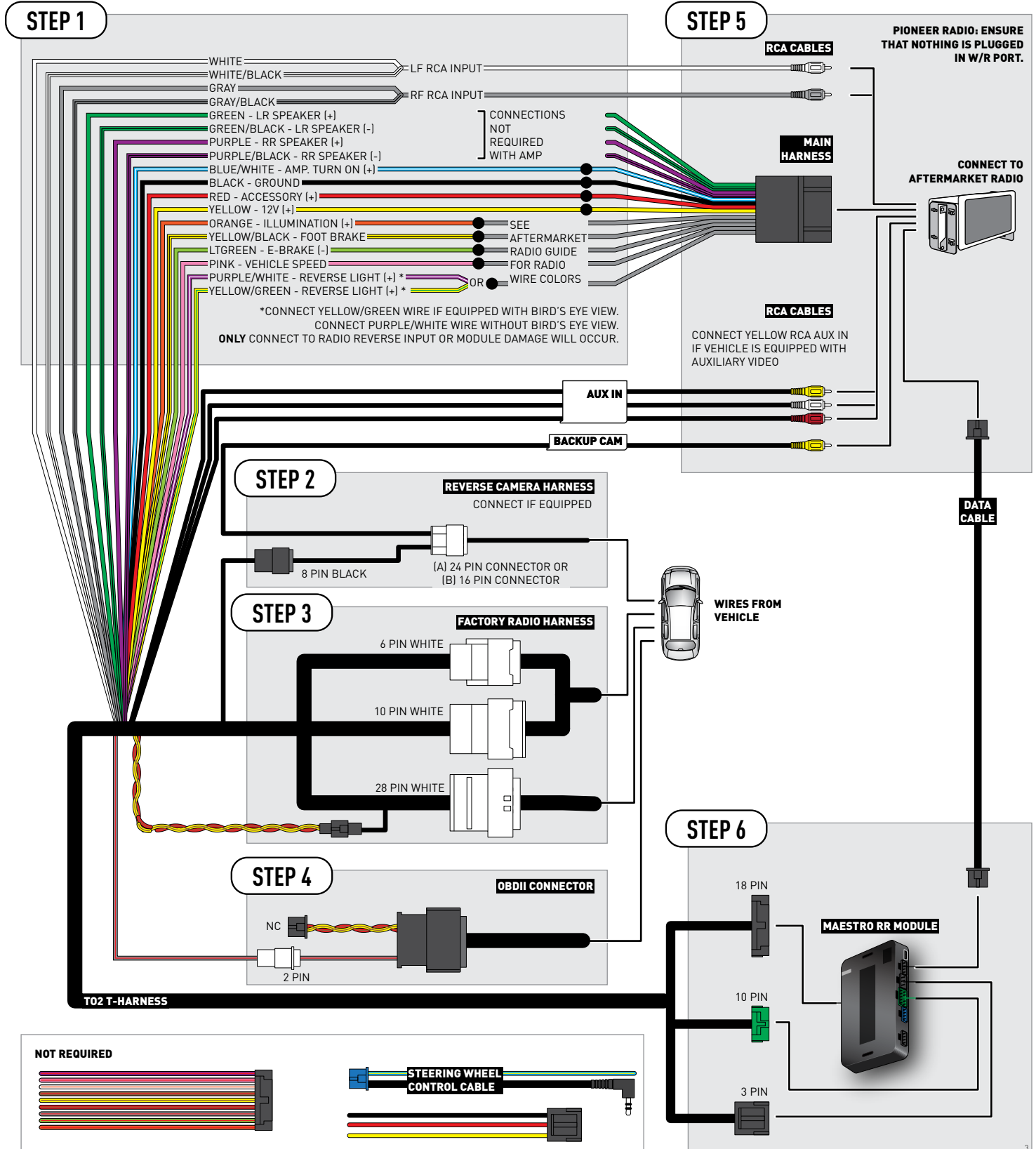
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
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TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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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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).

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OPTIONAL ACCESSORIES

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker RCA connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the T02 T-harness and match the wire functions.
- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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.

Camera controls (with vehicle in reverse)

MODE - Change view

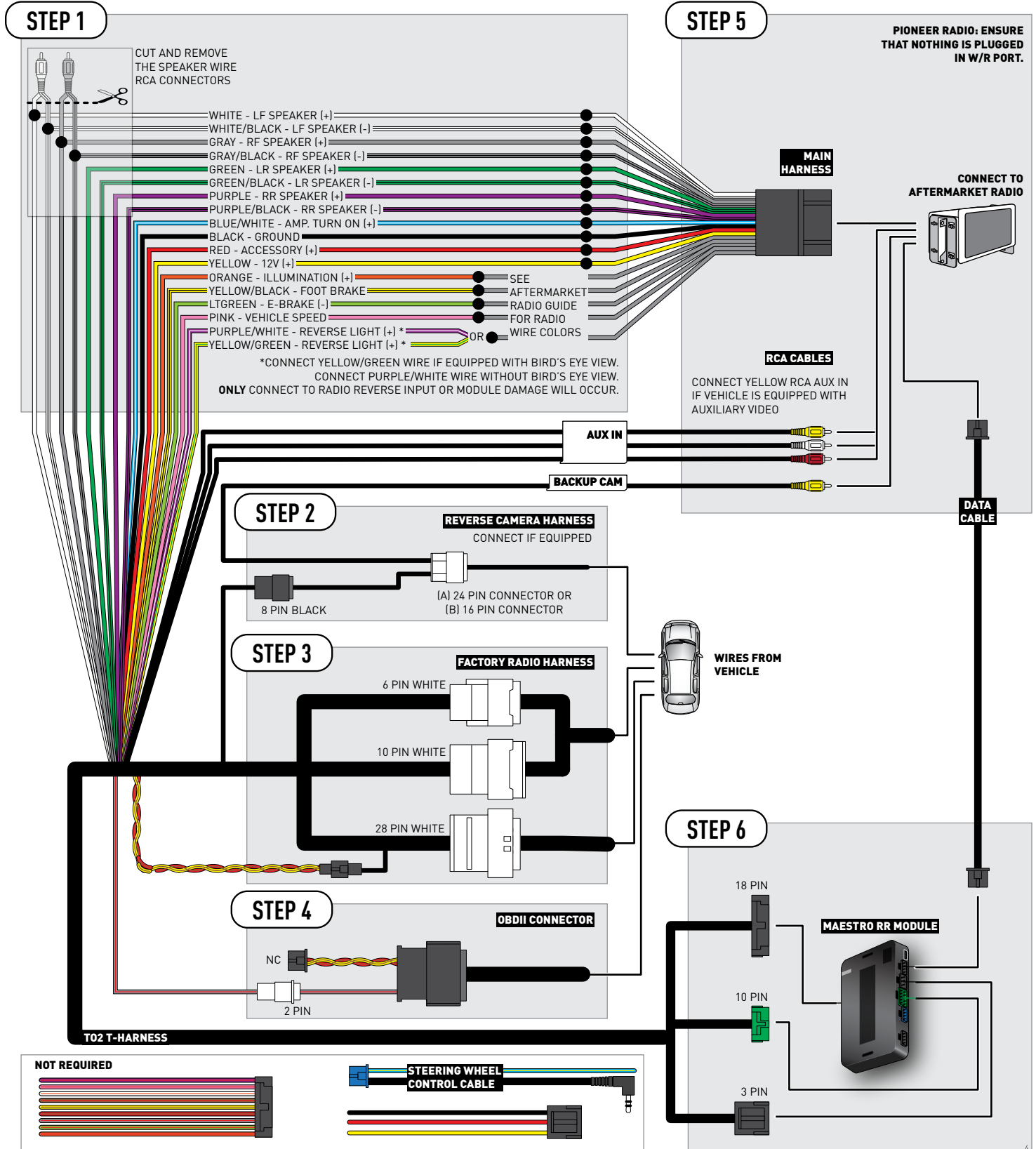
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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

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Email: maestro.support@idatalink.com

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

Note:

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

STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

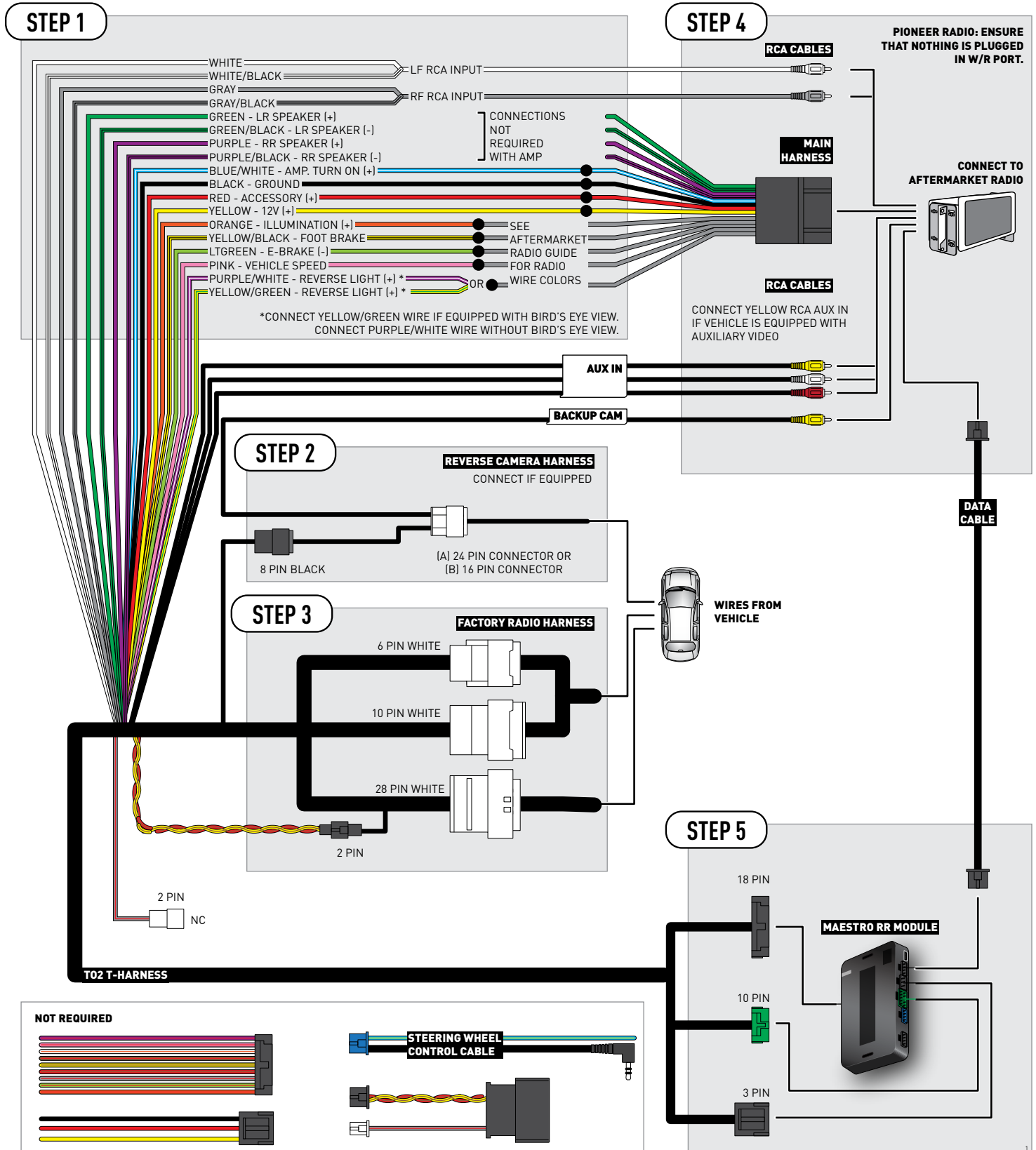
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink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

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut and remove the front speaker RCA connectors.
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- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
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Note:

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STEP 5

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

Camera controls (with vehicle in reverse)

MODE - Change view

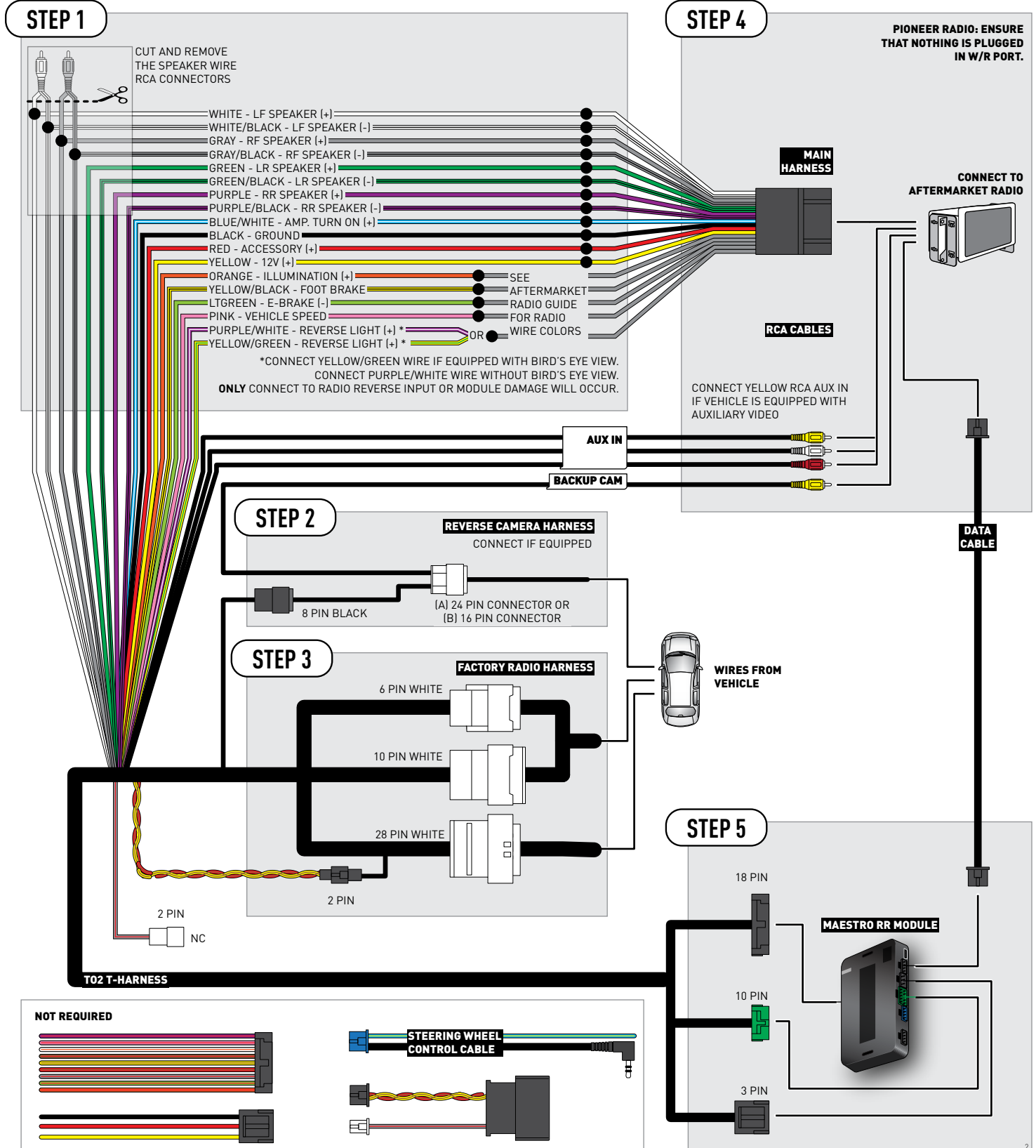
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WIRING DIAGRAM











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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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

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- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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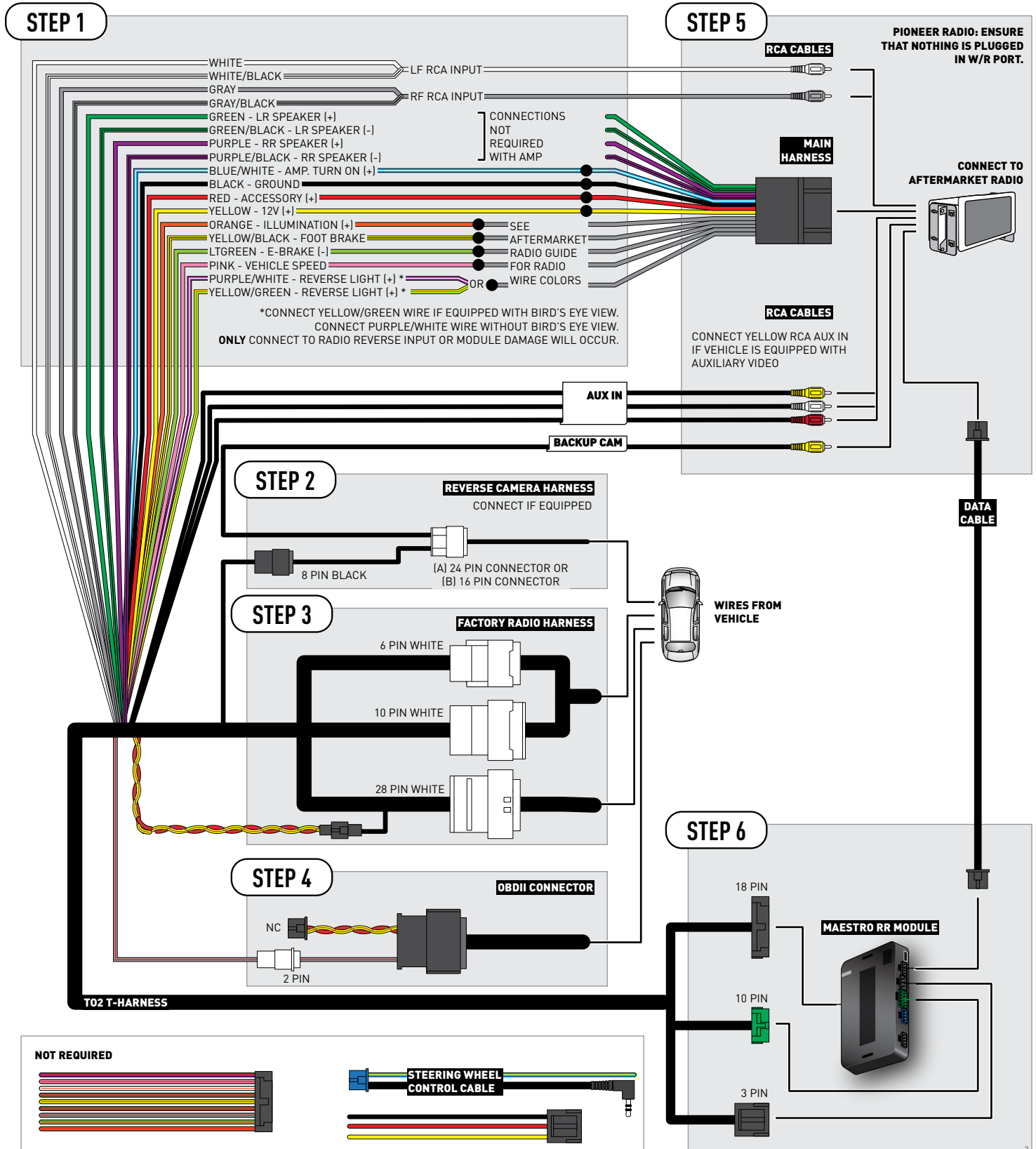
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- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

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.

Camera controls (with vehicle in reverse)

MODE - Change view

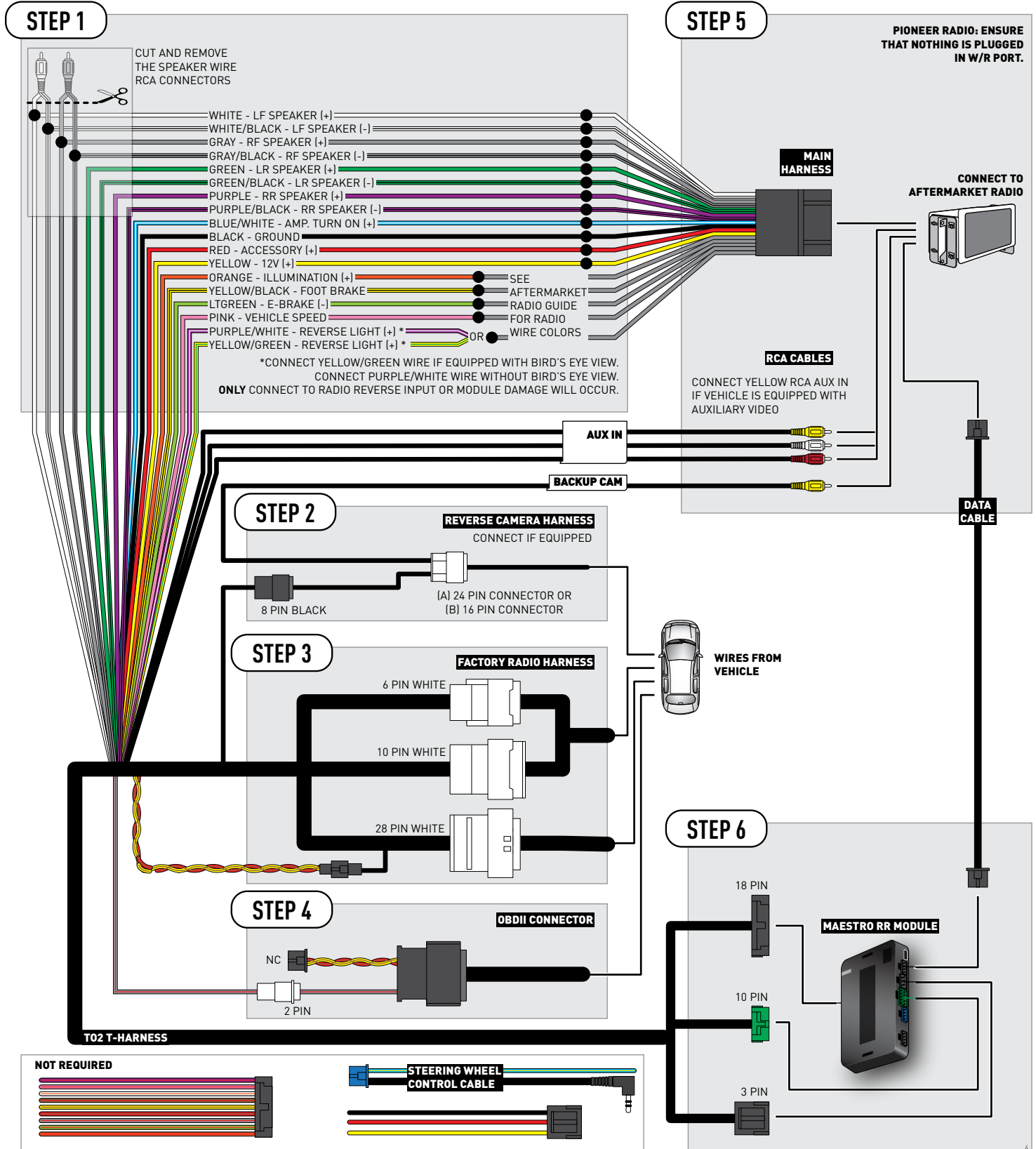
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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.

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- Remove the factory radio.

NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

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- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

- Connect the factory harness to the T02 T-harness.

STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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- Plug the Data cable to the data port of the aftermarket radio.

Note:

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STEP 6

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

Camera controls (with vehicle in reverse)

MODE - Change view

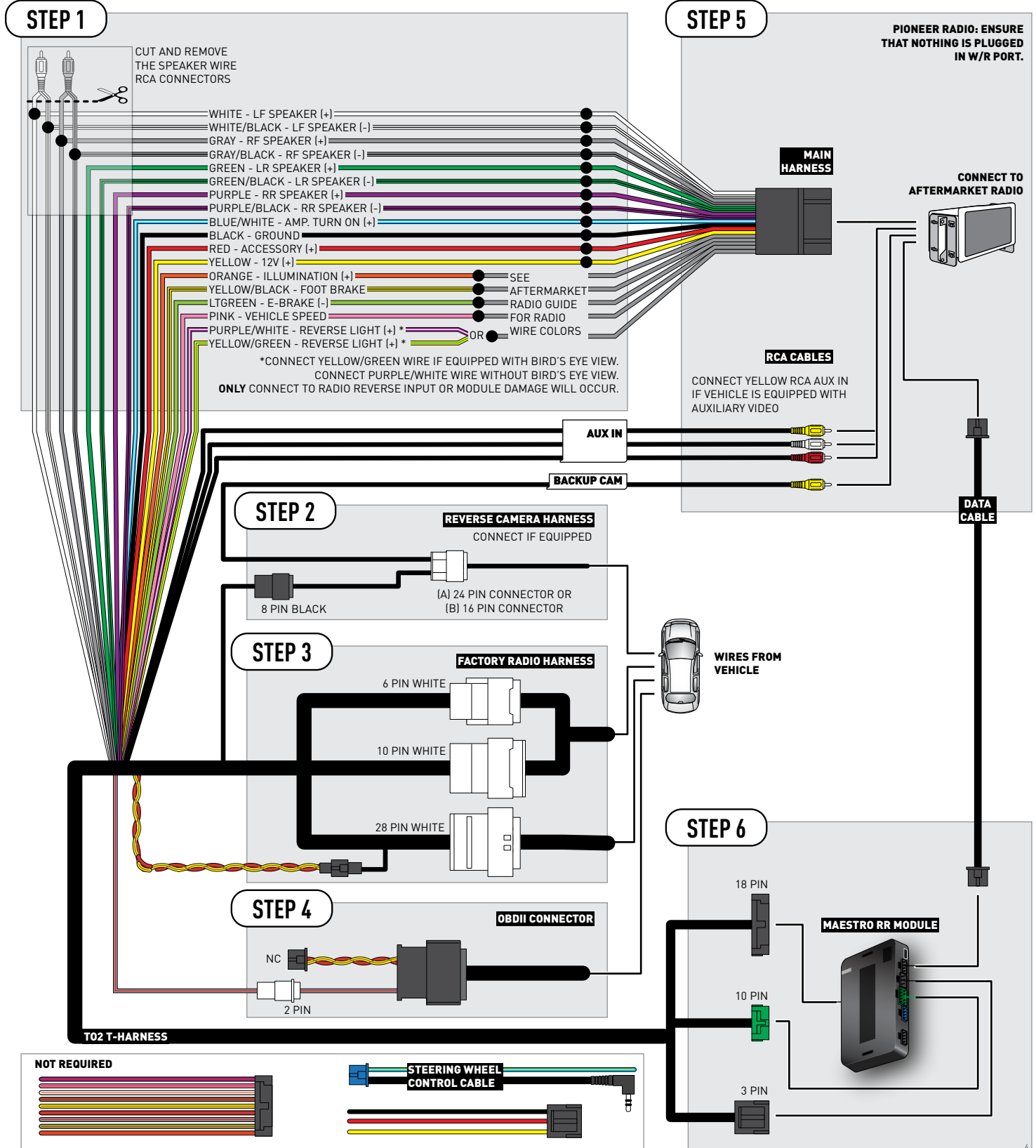
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink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

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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STEP 1

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NOTE: Vehicles with bird's eye view, connect **Yellow/Green** wire from T02 T-harness to the **radio's Purple/White** wire.

Do not use the Purple/White wire from the Maestro harness.

STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T02 T-harness to the backup camera harness.

STEP 3

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STEP 4

- Plug the male WHITE 2 pin connector of your T02 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle.

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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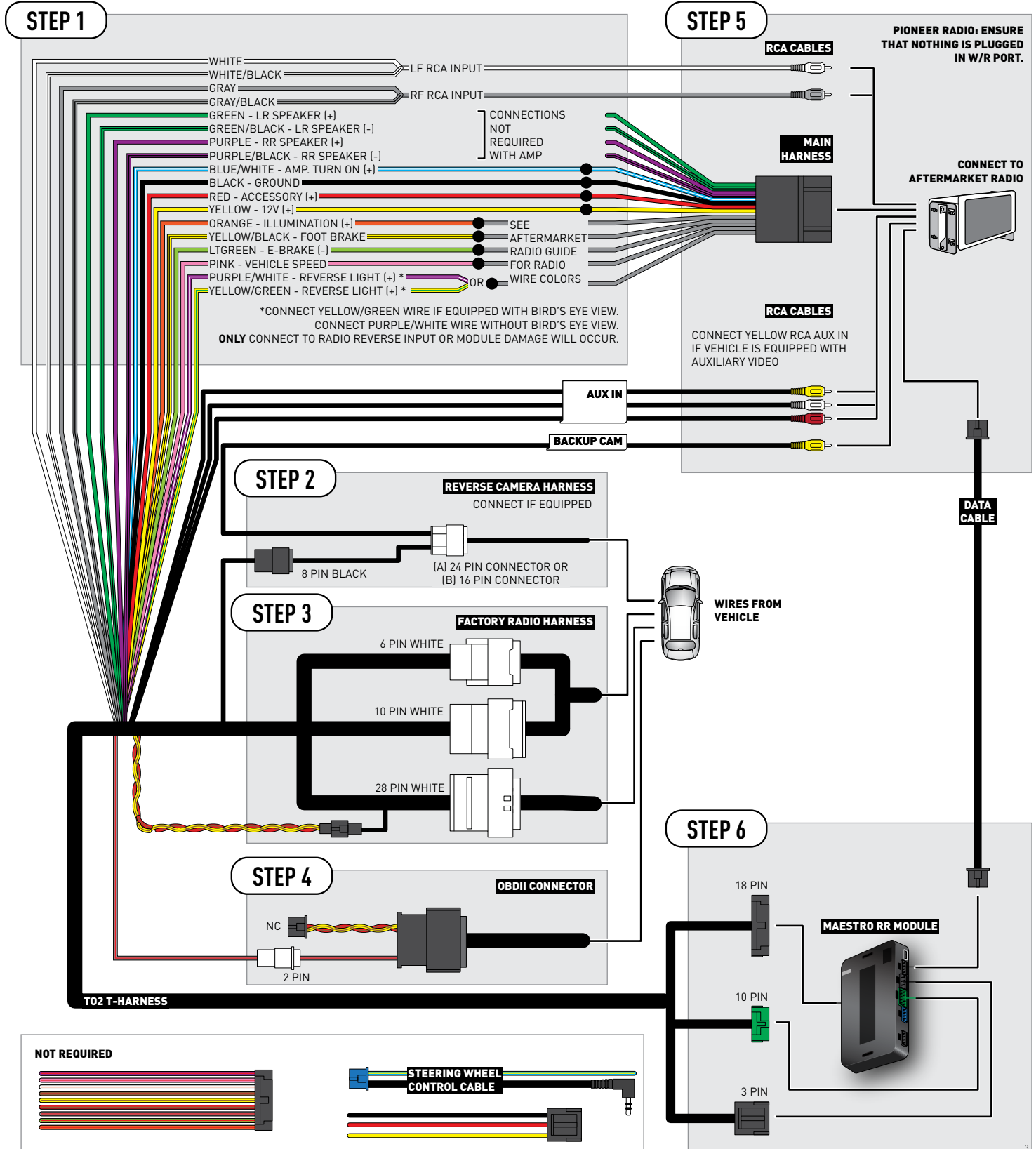
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Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable	Wire Color on Sony cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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.
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STEP 4

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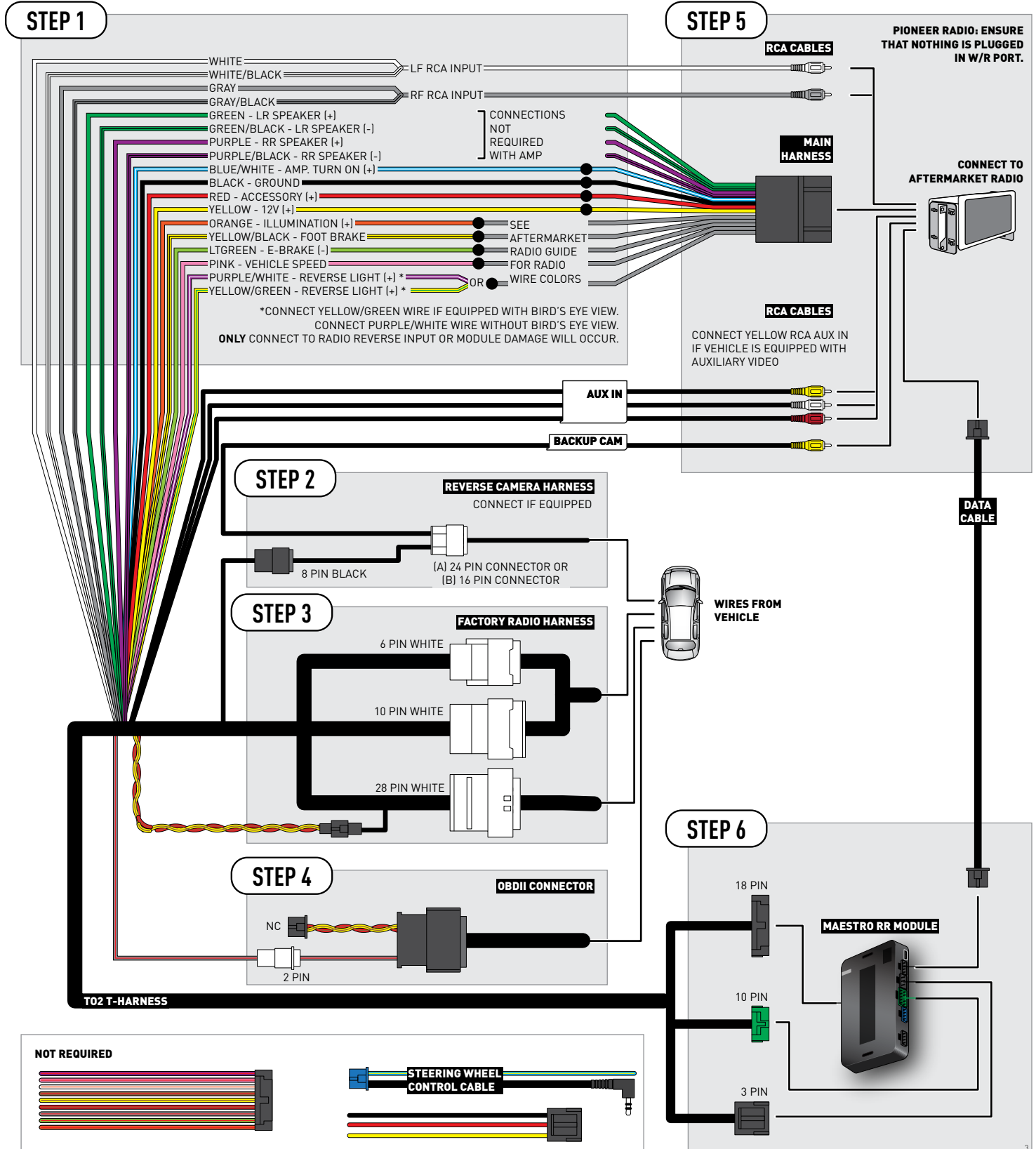
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On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

Camera controls (with vehicle in reverse)

MODE - Change view

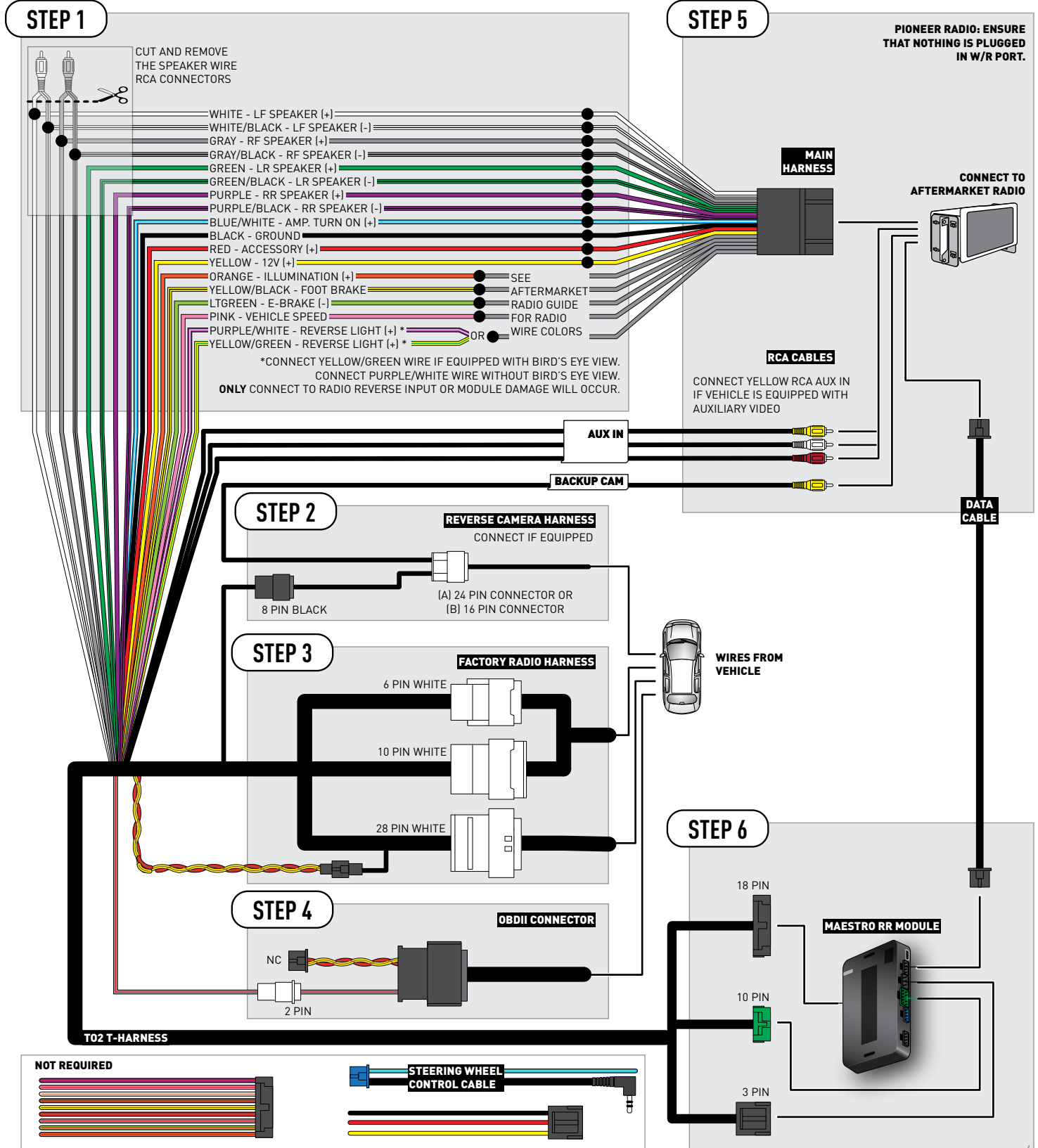
SEEK UP - Zoom in/out

SEEK DOWN - Change guidelines

Kenwood/JVC/Sony radios - touch left or right side of screen

Note: For Sony radios with OSD Controllable camera: When the vehicle is equipped with the bird's eye view camera system, plug the camera into Camera 1 on the radio. This is the only camera input that allows camera control through the touchscreen.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood 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
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

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 <u>NOT</u> 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).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2. Reset the RR.
Gauges work but are limited or data features are limited (turn signals, very limited gauge functionality).	Ensure 2 pin black connector is plugged into the 2 pin black of the 28 pin connector of the TO2 harness, not the OBD2, then reset the RR. If still experiencing limited functionality, try connecting the black 2 pin from the TO2 to the OBD2 2 pin black connector, then reset the RR.
TPMS display shows N/A or does not update tire pressures.	Reset the RR. Drive the vehicle. If still not updating, contact tech support.
The radio is NOT turning ON and the light on the 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.
The radio is turning 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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.
Bird's eye/around view camera doesn't trigger and only works in reverse.	Ensure Yellow/Green is connected to radio's Purple/White wire and the Maestro Purple/White is not used.

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

Web: maestro.idatalink.com/support add www.12voltdata.com/forum/

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.