



# INSTALL GUIDE

## 2008 FORD FOCUS STD KEY 40-BIT AUTOMATIC

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### DOCUMENT NUMBER

A777544

### REVISION DATE

20230515\_081155

### FIRMWARE

RSA-FO1A

### HARDWARE

CM-DC3

### ACCESSORIES

ATTENTION: TO COMPLETE THIS INSTALLATION SOME ACCESSORIES MAY BE REQUIRED. VISIT OUR WEBSITE TO SEE ALL THE REQUIRED ACCESSORIES FOR YOUR VEHICLE.

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### TERMS OF USE

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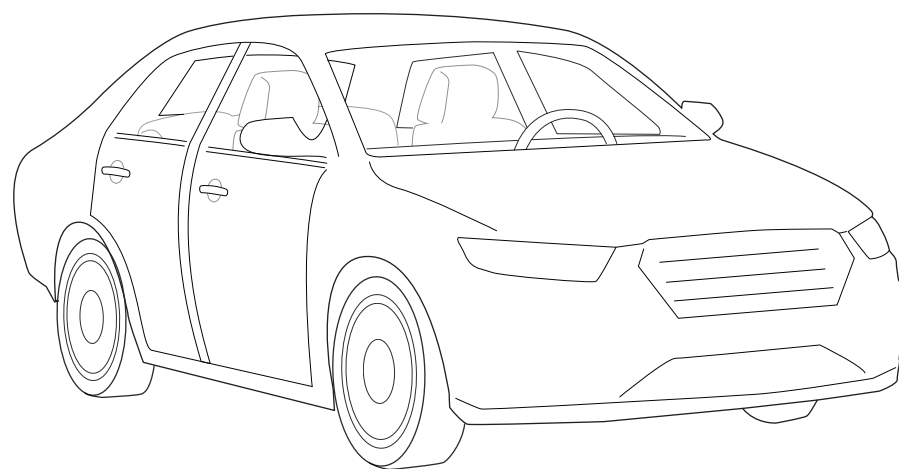
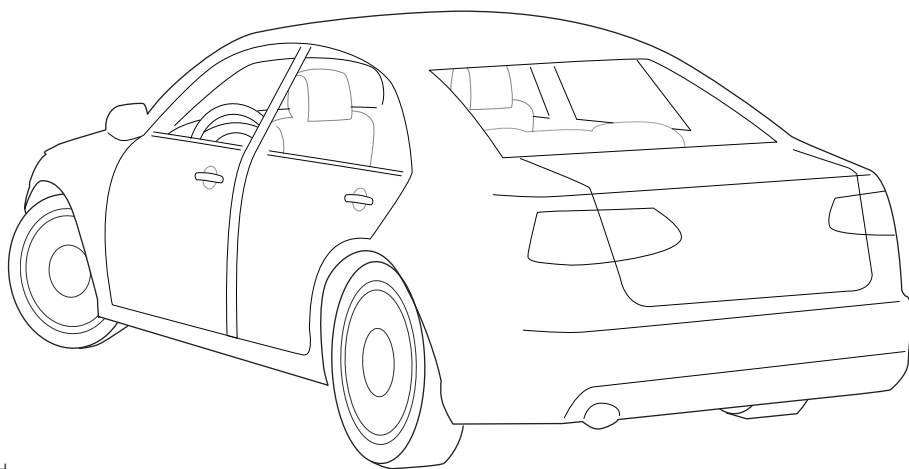
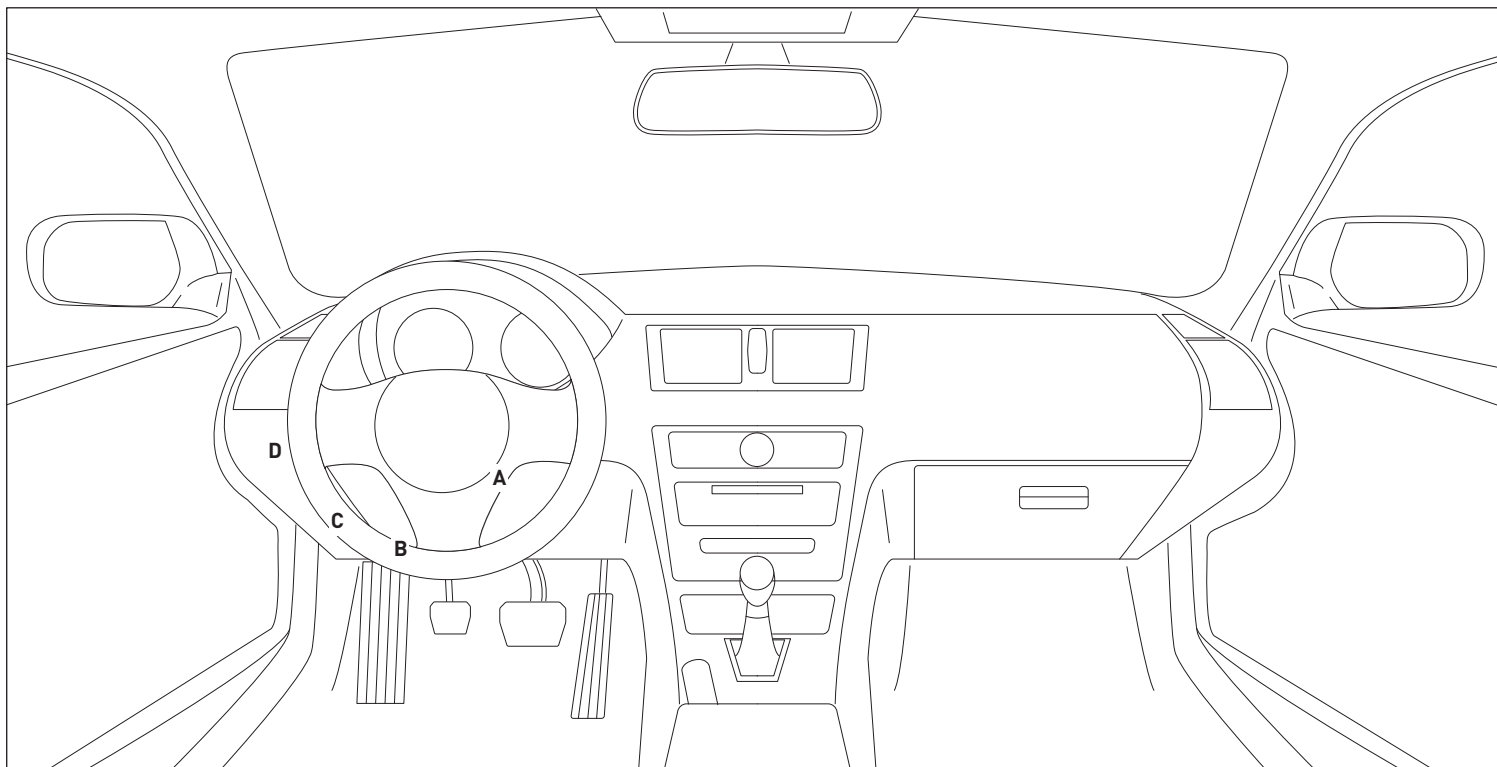


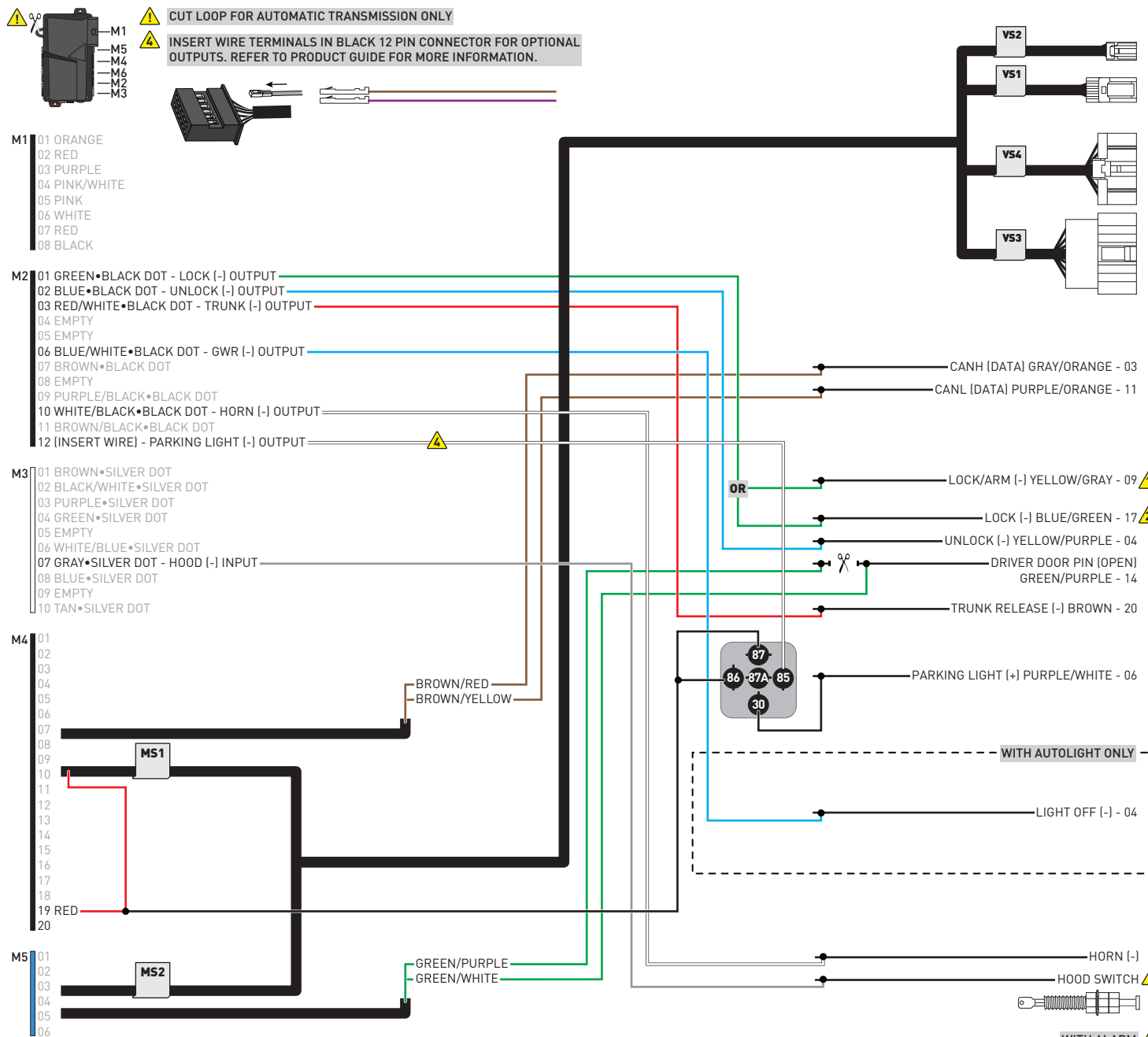
REMOTE START	Supported
Data Immobilizer Bypass (no key required)	✓
Key Required for Immobilizer Bypass	
Takeover Available	✓
No Takeover Available (shutdown on unlock or door open)	
3x Lock Start from OEM Remotes	✓
Data / MUX Parking Light Control - Constant	
Data / MUX / Hazard Parking Light Control - Flashing	
Tach Monitoring	✓
Hood Status	✓
Brake Status	✓
E-Brake Status	
Glow Plug Status	
RAP Shutdown	✓

KEYLESS ENTRY	Supported
OEM Remotes Functional during RS	✓
OEM RFID Entry Sensors Functional during RS	
Door Lock	
Door Unlock	
Driver Door Priority Unlock	
Trunk/Hatch Release	
Power Liftgate	
Power Sliding Door (L)	
Power Sliding Door (R)	

SECURITY SYSTEM	Supported
Arm OEM Alarm	
Disarm OEM Alarm	
Aftermarket Alarm Control from OEM Remotes	✓
Aftermarket Alarm Control from OEM RFID Entry Sensors	
Door Status	✓
Trunk/Hatch Status	✓

COMFORT	Supported
Rear Defrost Activation	
Heated Mirror Activation	
Heated Seat Activation	
Cooled Seat Activation	
Heated Steering Wheel Activation	





IGNITION SWITCH, UNDER STEERING COLUMN (A)

1: IMMO. CONNECTOR

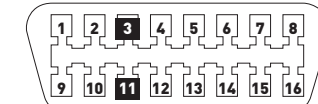
1: IMMO. HARNESS

2: IGNITION CONNECTOR

2: IGNITION HARNESS

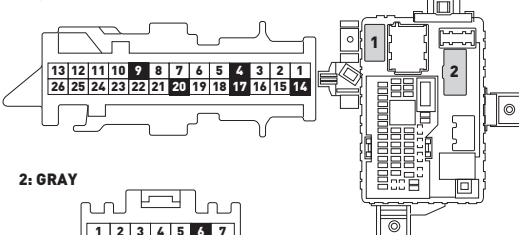
OBDII (B)

1

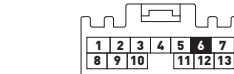


BCM, DRIVER SIDE DASH (C)

1: GRAY

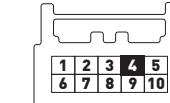


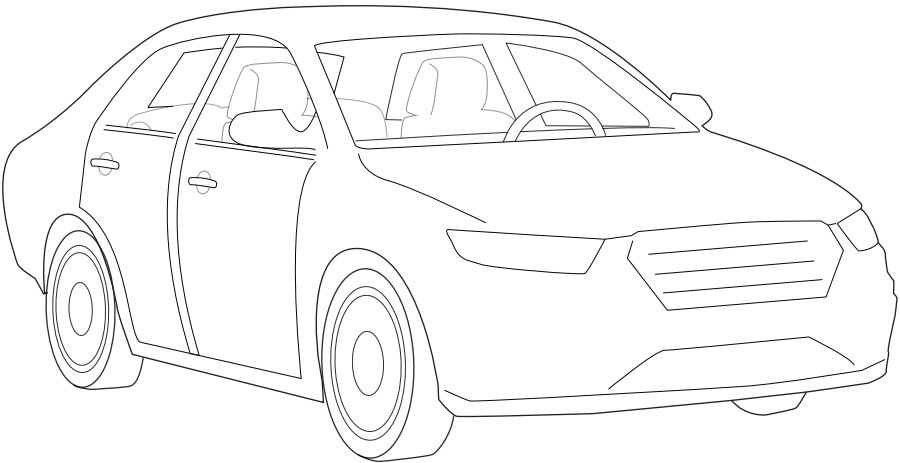
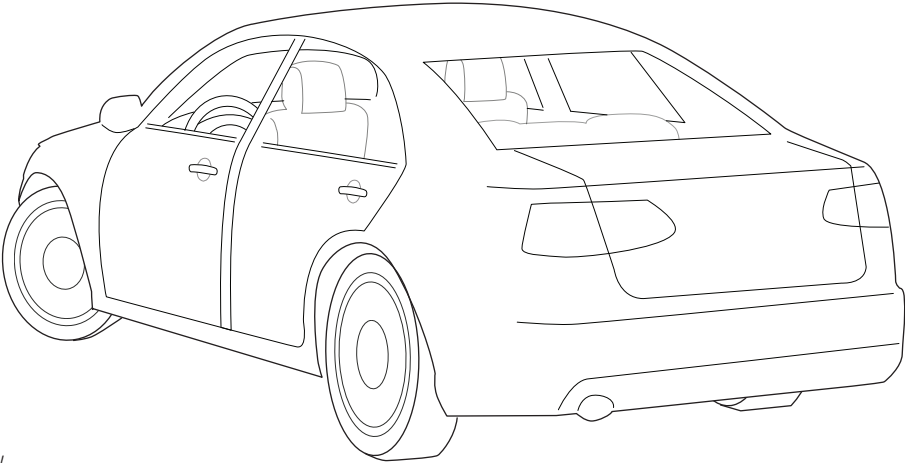
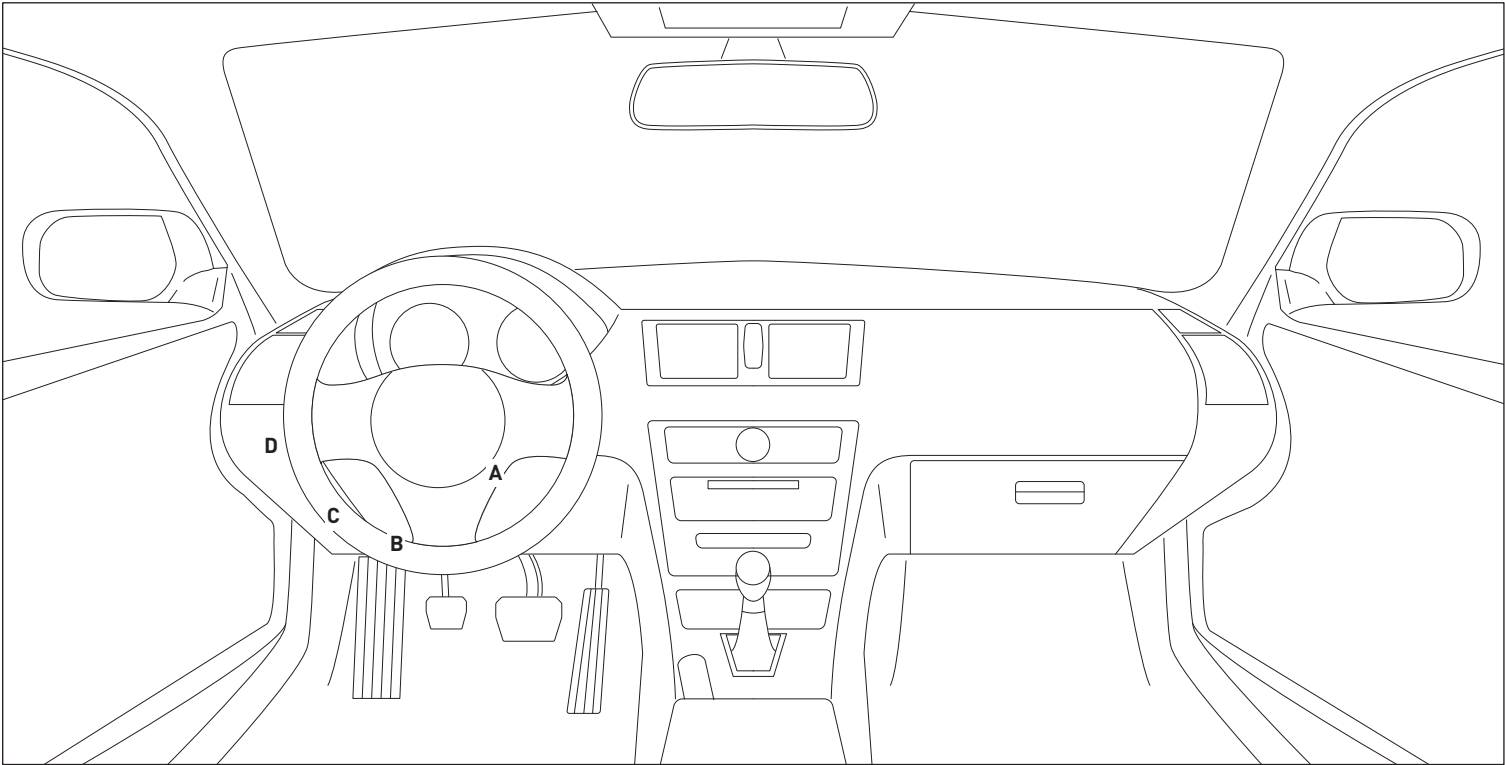
2: GRAY

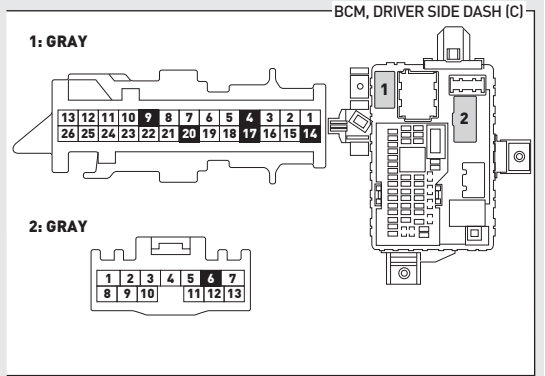
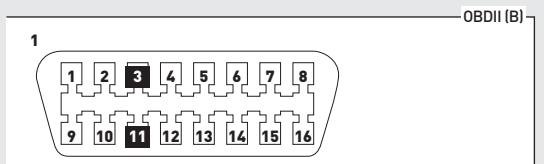
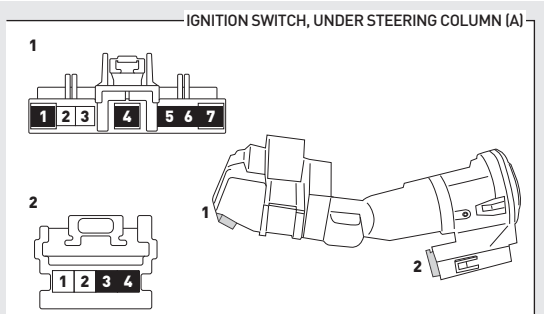
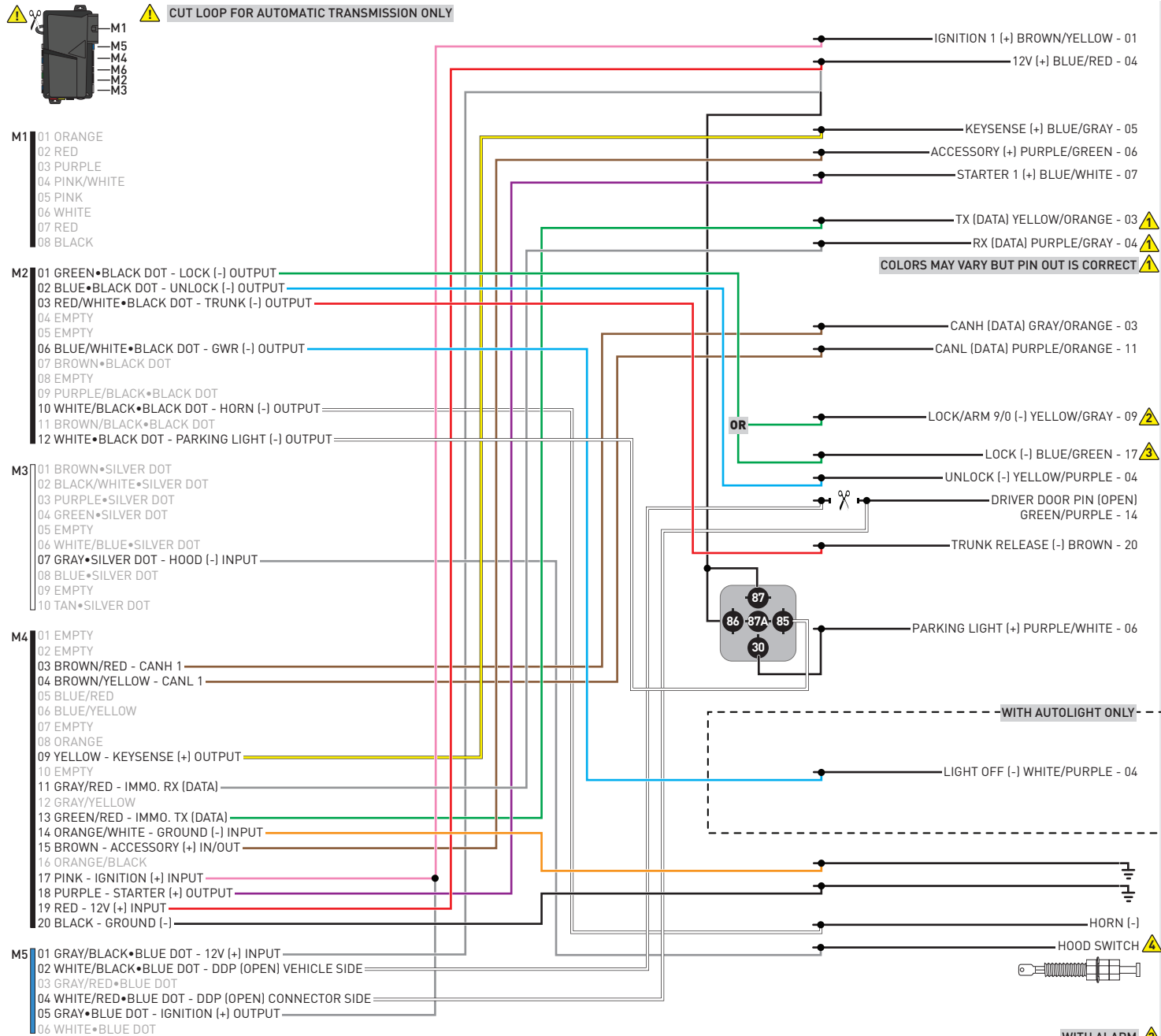


PARKING LIGHT SWITCH (D)

1: GRAY







>>



NOTE: To complete this procedure, both OEM keys are required.

01



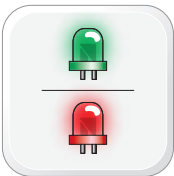
Insert key 1 into ignition.

02



Turn key 1 to ON position.

03



If LED 1 turns solid GREEN for 2 seconds, proceed with step 17. If LED 1 turns solid RED, proceed with following step.

04



Wait, LED 1 will flash GREEN. (This may take up to 10 seconds)

05



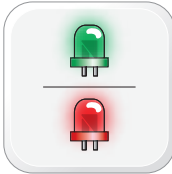
Turn key 1 to OFF position.

06



Turn key 1 to ON position.

07



If LED 1 turns solid GREEN for 2 seconds, proceed with step 16. If LED 1 turns solid RED, proceed with following step.

08



TIME RESTRICTION. Complete steps 09 to 11 within 4 seconds after LED 1 turns OFF.

09



Remove key 1.

10



Insert key 2 into ignition.

11



Turn key 2 to ON position.

12



Wait, LED 1 will turn solid RED then will turn OFF.

13



TIME RESTRICTION. Complete steps 14 and 15 within 4 seconds after LED 1 turns OFF.

14



Remove key 2.

15



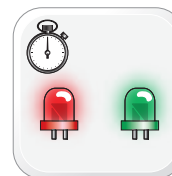
Press and release programming button.

>>



If the LED 1 begins to flash RED, you are using a cloned key or used the same key twice.

16



Wait, LED 1 will turn solid RED then will turn solid GREEN.

**17**



START vehicle for 15 seconds.

**18**



Press and hold the brake pedal.

**19**



Press and release the module's programming button.

**20**



Release the brake pedal.

**21**



Wait, LED 2 will flash GREEN.

**22**

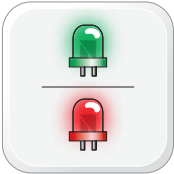


Module Programming Procedure completed.



**01**


Set ignition to ON position.

**02**


If LED 1 turns solid GREEN for 2 seconds, proceed with step 11. If LED 1 turns solid RED, proceed with following step.

**03**

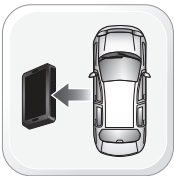

Wait, LED 1 will flash GREEN. (This may take up to 10 seconds)

**04**


If the LED 1 begins to flash RED/GREEN, the key has an 80-bit encryption that is not covered by KLON.

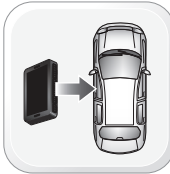
**05**


Set ignition to OFF position.

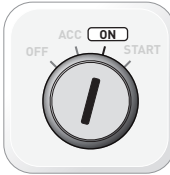
**06**

**WARNING:** Disconnect power last. Disconnect module from vehicle.

**07**


Connect module to computer and proceed with extended programming.

**08**


Connect power first. Connect module to vehicle.

**09**


Set ignition to ON position.

**10**


Wait, LED 1 will turn solid GREEN for 2 seconds.

**11**


Set ignition to OFF position.

**12**


START vehicle for 15 seconds.

**13**

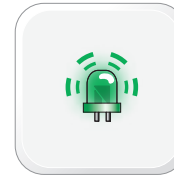

Press and hold the brake pedal.

**14**

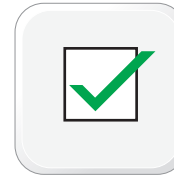

Press and release the module's programming button.

**15**


Release the brake pedal.

**16**


Wait, LED 2 will flash GREEN.

**17**


Module Programming Procedure completed.

>> All vehicle doors must be closed and locked prior to remote start sequence.



01 Press unlock on OEM or aftermarket remote or request switch.



02 DO NOT PRESS BRAKE PEDAL. Set ignition to ON position. Wait 2 seconds for key validation.



03 Press and release BRAKE pedal.

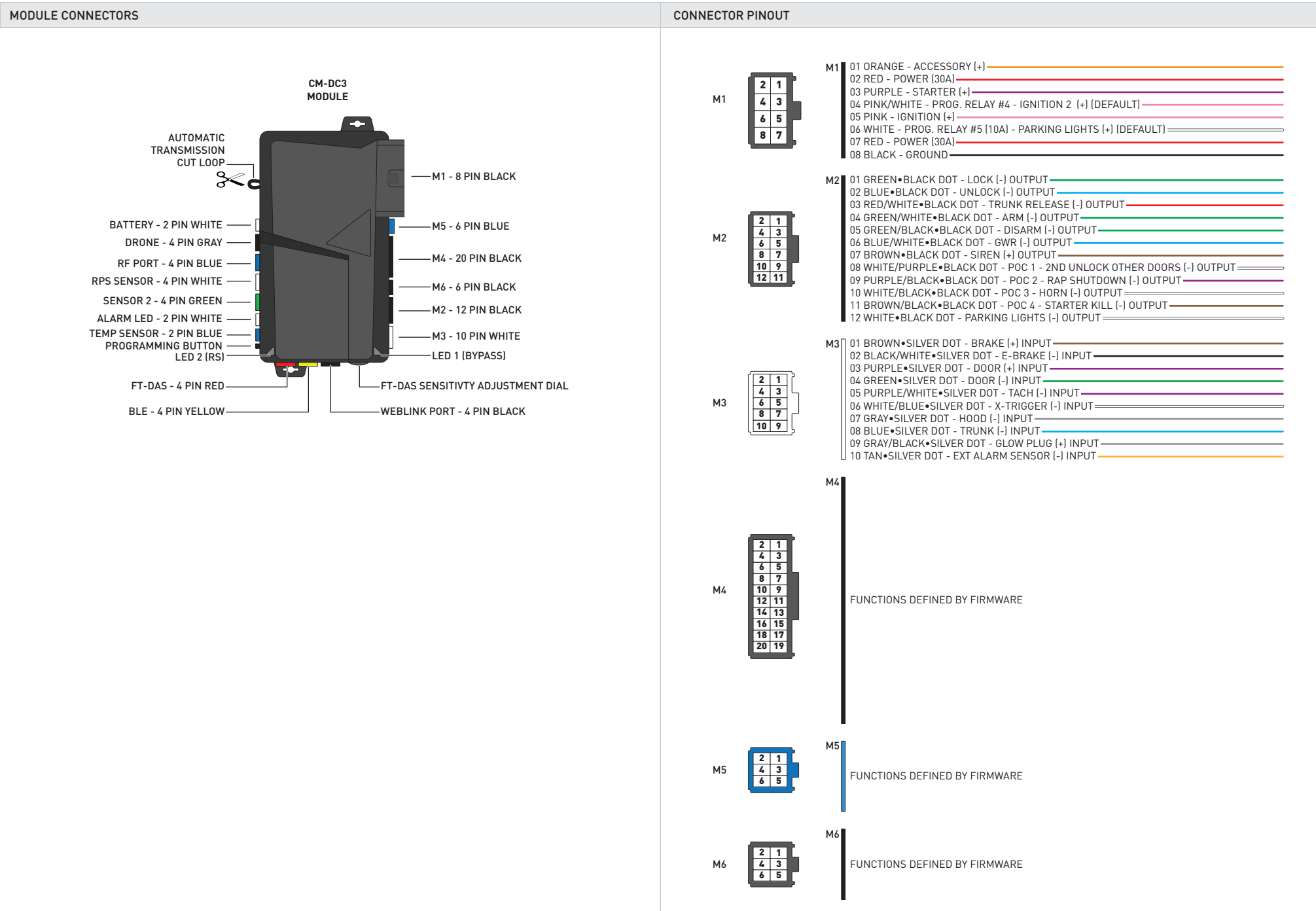


04 Take over procedure completed.



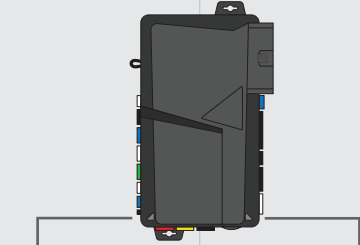





















>> Failure to follow procedure will result in vehicle engine shutdown.





REMOTE STARTER ERROR CODES: NOTES	PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	3 + 1	Tach is not programmed OR engine is already running.
	3 + 2	Key is in ignition ON position.
II After a remote starter failure, the parking lights will flash three [3x] times followed by the error code. See table.	3 + 3	Door is open.
	3 + 4	Trunk is open.
	3 + 5	Foot brake is ON.
	3 + 6	Hood is open.
	3 + 7	Loop is not cut.
	3 + 8	No tach detected.
	3 + 9	Vehicle movement detected (VSS).
	3 + 10	System is in Valet Mode.
	3 + 11	CAN communication failure
	3 + 12	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	3 + 13	Bypass problem.
	3 + 14	Idle mode or takeover is not available on this vehicle.
	3 + 15	Overheat protection.

REMOTE STARTER SHUTDOWN ERROR CODES: NOTES	PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	4 + 1	Engine tach signal was lost.
	4 + 2	Emergency brake signal was lost.
II If the engine shuts down after a remote starter sequence use the query command from a compatible aftermarket remote to display the shutdown error code. The parking lights will flash four [4x] times followed by the error code. See table.	4 + 3	Foot brake ON detected.
	4 + 4	Hood open detected.
	4 + 5	Tach over rev detected.
	4 + 6	Glow plug timeout error.
	4 + 7	Vehicle movement detected (VSS).
	4 + 8	Check engine light ON.
	4 + 9	Low fuel level.
	4 + 10	Open door detected.
	4 + 11	CAN communication failure during RS sequence.
	4 + 12	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	4 + 13	Bypass problem.
	4 + 14	Idle mode or takeover is not available on this vehicle.
	4 + 15	Overheat protection.

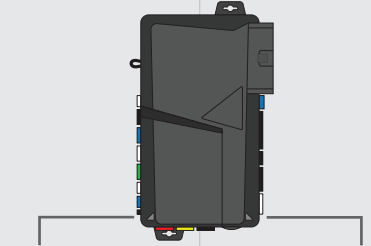
MODULE STATUS DURING:			LED STATUS	DIAGNOSTIC
	LED 2*	LED 1**		
MODULE PROGRAMMING			Flashing RED	Missing/wrong information from firmware or vehicle. See firmware specific diagnostics, or contact technical support.
			Solid RED	Module waiting for more vehicle information. Programming incomplete.
			Flashing GREEN	Additional steps required to complete programming. Refer to install guide.
			Solid GREEN then OFF	Module programming completed successfully.
			OFF	No activity or module already programmed.
			1 RED flash	No firmware on module. Connect to Weblink and flash device.
			2 ORANGE flashes	Contact technical support.
			3 ORANGE flashes	Module programming not completed.
			4 ORANGE flashes	Contact technical support.
			7 ORANGE flashes	Contact technical support.
			8 ORANGE flashes	Loop not cut. Ensure loop is cut for automatic transmission. Reset and re-learn.
			9 ORANGE flashes	Loop not cut. Ensure loop is cut for automatic transmission. Reset and re-learn.
			10 ORANGE flashes	Boot loader update failed. Contact technical support.
			11 ORANGE flashes	T-harness detection does not match install type selection in Weblink.
TACH PROGRAMMING			Solid RED	Tach learn in progress.
			1 GREEN flash	Tach signal programmed in analog.
			2 GREEN flashes	Tach signal programmed in data.
			3 RED flashes	No tach signal detected
			4 RED flashes	System is in valet mode. Turn off valet mode to program tach.
			6 RED flashes	Engine sensing set for 'assumed start'. No tach programming required.
			7 ORANGE flashes	Engine sensing not configured properly. Contact technical support.

\* LED 2 (RS) displays generic diagnostic codes specific to the remote start module. Orange LED flashes may appear red.

\*\* LED 1 (Bypass) displays diagnostic codes specific to the firmware loaded on the module.

Visit the programming diagnostics page for more information.



MODULE STATUS DURING:			LED STATUS	DIAGNOSTIC
	LED 2*	LED 1**		
REMOTE START SEQUENCE	●		Flashing rapid RED	Remote start shutdown sequence.
	●		Flashing slow RED	Remote start shutdown error code. Contact technical support.
	●		Solid RED	Remote start crank delay.
	●		Flashing rapid GREEN	Remote start cycle in progress. Working correctly.
	●		1 GREEN flash	Remote start initiated successfully.
	●		3 GREEN flashes	Idle mode cycle in progress.
	●		4 GREEN flashes	Turbo mode cycle in progress.
		●	Flashing GREEN	Remote start cycle in progress. Displays vehicle platform during runtime.
TRANSMITTER PROGRAMMING		●	Rapid GREEN flashing	Secure takeover initiated. Waiting to complete takeover after brake press.
	●		Solid RED	Remote programming in progress, waiting for remote pairing.
	●		1 GREEN flash	Remote programmed.
	●		4 RED flashes	Shutdown remote starter before attempting remote programming.
	●		5 RED flashes	Engine must be off before attempting remote programming.
	●		6 RED flashes	System must be unlocked/disarmed before attempting remote programming.
	●		7 RED flashes	Module must be learned to the vehicle before attempting remote programming.

\* LED 2 (RS) displays generic diagnostic codes specific to the remote start module. Orange LED flashes may appear red.  
\*\* LED 1 (Bypass) displays diagnostic codes specific to the firmware loaded on the module.  
Visit the programming diagnostics page for more information.

