



FLASHLOGIC CFLI-AL FLCAN Module Installation Guide

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FLASHLOGIC CFLI-AL FLCAN Module



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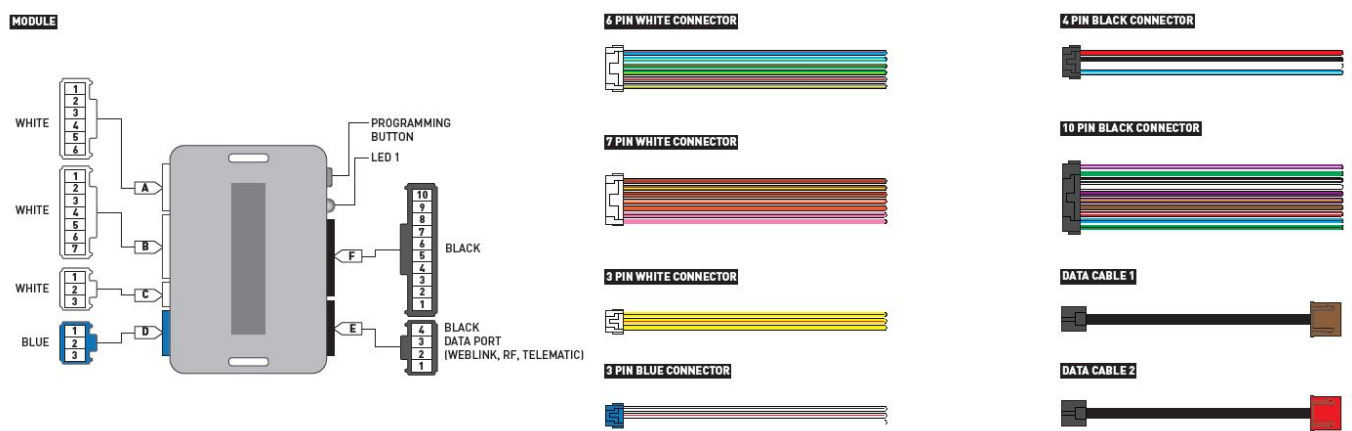
BEFORE INSTALLATION

1. Connect module to computer
2. Login to Weblink account
3. Flash firmware to module (module is not preloaded with firmware)
4. Use accessories accordingly (accessories are sold separately)

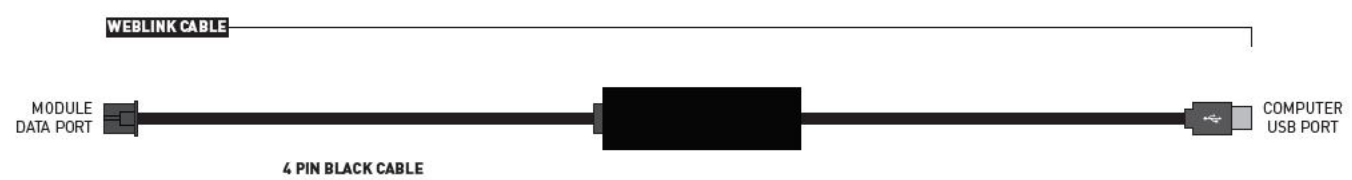
VEHICLE LIST – 1 OF 1

		YEAR	INSTALL TYPE	FEATURES											
MAKE	MODEL			DATA IMMOBILIZER BYPASS	3X LOCK START/STANDALONE MOD.	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	TRUNK/HATCH RELEASE	DOOR STATUS OUTPUT	TRUNK STATUS OUTPUT	BRAKE PEDAL STATUS OUTPUT	TACHOMETER OUTPUT	SECURE TAKEOVER
DODGE	Dart STD key (Tip-Start) AT	13-16	1	•	•	•	•	•	•	•	•	•	•	•	•
	1500 / 2500 / 3500 STD key (Tip-Start) AT	13-17	2	•	•	•	•	•	•	•	•	•	•	•	•
RAM	1500 / 2500 / 3500 STD key (Tip-Start) AT	18	3	•	•	•	•	•	•	•	•	•	•	•	•
	1500 Classic STD key (Tip-Start) AT	19-21	3	•	•	•	•	•	•	•	•	•	•	•	•
	1500 / 2500 / 3500 Diesel STD key (Tip-Start) AT	14-17	2	•	•	•	•	•	•	•	•	•	•	•	•
	1500 / 2500 / 3500 Diesel STD key (Tip-Start) AT	18	3	•	•	•	•	•	•	•	•	•	•	•	•
	1500 Classic Diesel STD key (Tip-Start) AT	19-21	3	•	•	•	•	•	•	•	•	•	•	•	•

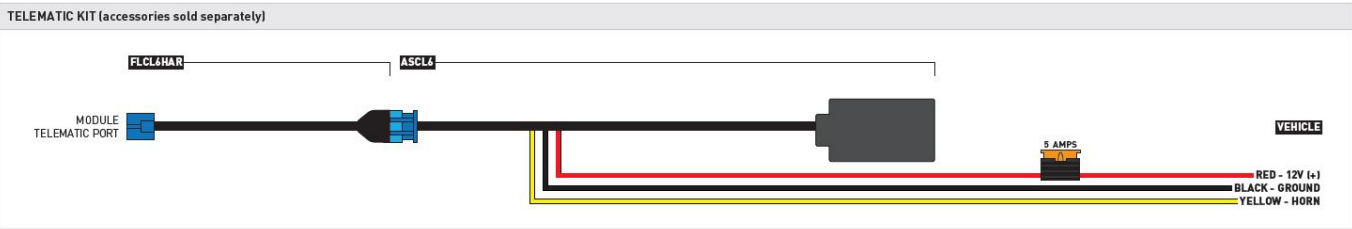
BOX CONTENTS – 1 OF 1



WEBLINK CABLE (required accessory sold separately)



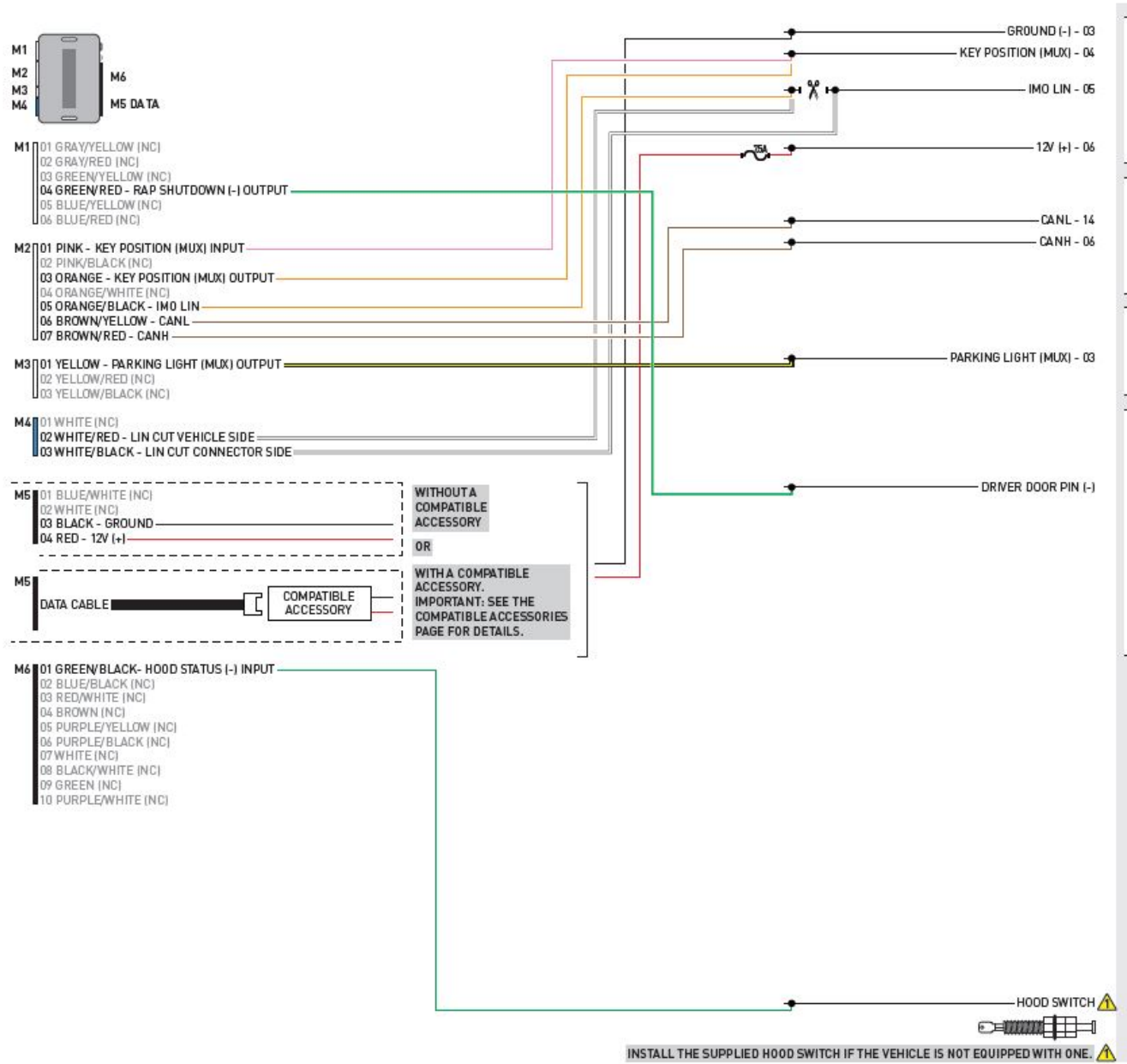
COMPATIBLE ACCESSORIES – 1 OF 1

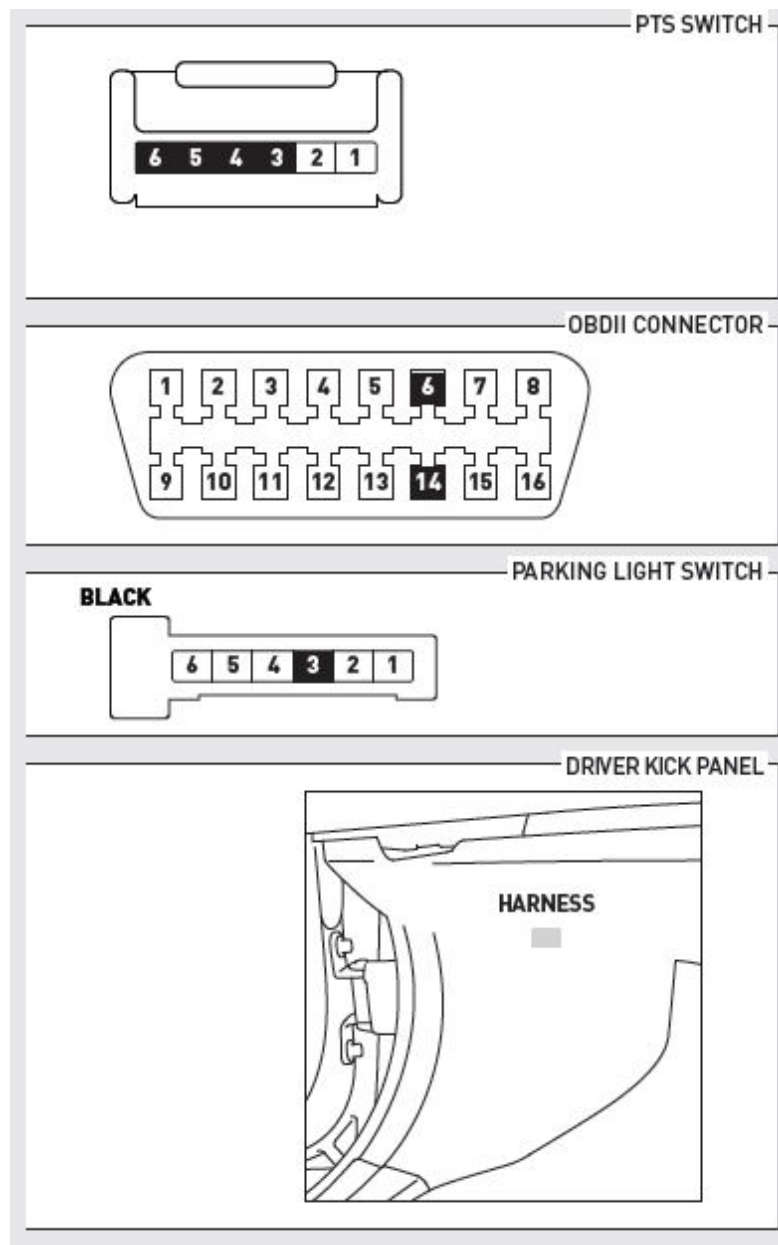


TYPE 1 – WIRE CHART – 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
DODGE	Dart STD key AT	13-16	12V	-	White	06 pin	06	Red	(+)	Ignition connector	F
			Ground	-	White	06 pin	03	Black	(-)	Ignition connector	F
			Key position	-	White	06 pin	04	Purple/Brown	(MUX)	Ignition connector	F
			Imo Lin	-	White	06 pin	05	White/Green	(DATA)	Ignition connector	F
			CanH	-	Black	16 pin	06	Gray/White	(DATA)	OBDII connector	-
			CanL	-	Black	16 pin	14	Yellow	(DATA)	OBDII connector	-
			Parking Light	-	Black	06 pin	03	White/Brown	(MUX)	Parking light switch	A
			Driver door pin	-	-	-	-	Purple	(-)	Harness in driver kick panel	-

TYPE 1 – WIRING DIAGRAM – 1 OF 1

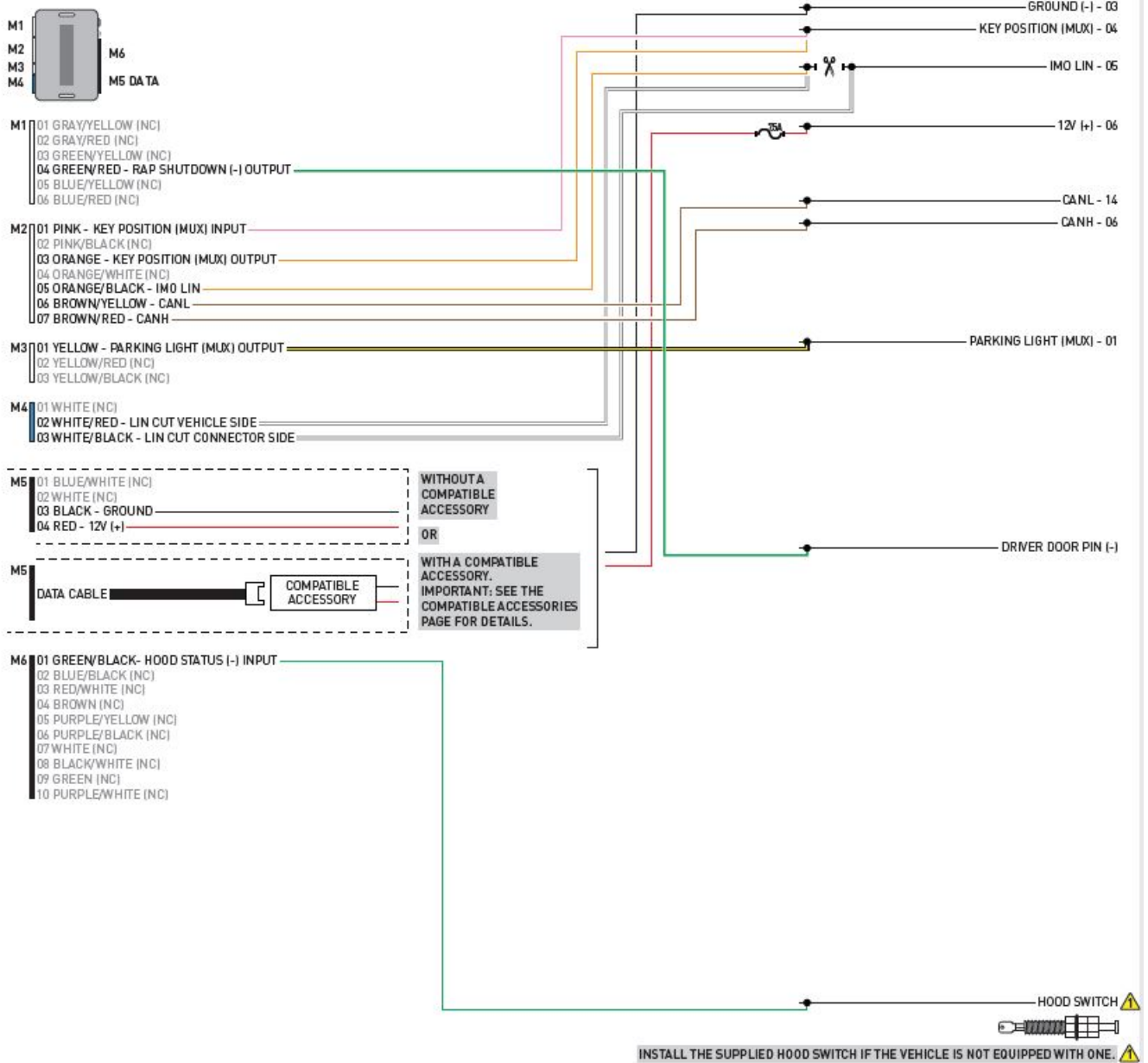


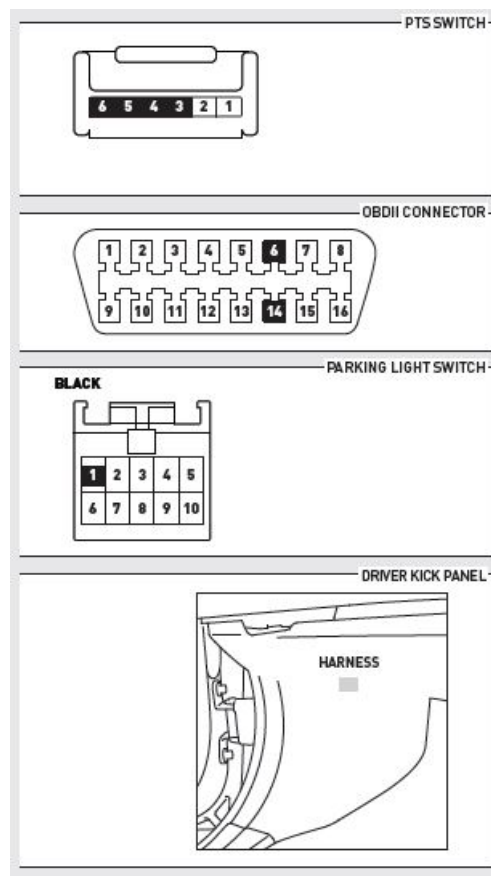


TYPE 2 – WIRE CHART – 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
RAM	1500 / 1500 Diesel STD key AT	13-17	12V	D2664A	Black	06 pin	06	Red	(+)	Ignition connector	F
			Ground	D2664A	Black	06 pin	03	Black	(-)	Ignition connector	F
			Key position	D2664A	Black	06 pin	04	Purple/Brown	(MUX)	Ignition connector	F
			Imo Lin	D2664A	Black	06 pin	05	White/Green	(DATA)	Ignition connector	F
			CanH	D7405A	Black	16 pin	06	Gray/White	(DATA)	OBDII connector	~
			CanL	D7405A	Black	16 pin	14	Yellow	(DATA)	OBDII connector	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	A
			Driver door pin	~	~	~	~	Purple	(-)	Harness in driver kick panel	~
	2500 / 2500 Diesel / 3500 / 3500 Diesel / STD key AT	13-17	12V	D2664A	Black	06 pin	06	Red	(+)	Ignition connector	F
			Ground	D2664A	Black	06 pin	03	Black	(-)	Ignition connector	F
			Key position	D2664A	Black	06 pin	04	Purple/Brown	(MUX)	Ignition connector	F
			Imo Lin	D2664A	Black	06 pin	05	White/Green	(DATA)	Ignition connector	F
			CanH	D7405A	Black	16 pin	06	Gray/White	(DATA)	OBDII connector	~
			CanL	D7405A	Black	16 pin	14	Yellow	(DATA)	OBDII connector	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	A
			Driver door pin	~	~	~	~	Purple	(-)	Harness in driver kick panel	~

TYPE 2 – WIRING DIAGRAM – 1 OF 1

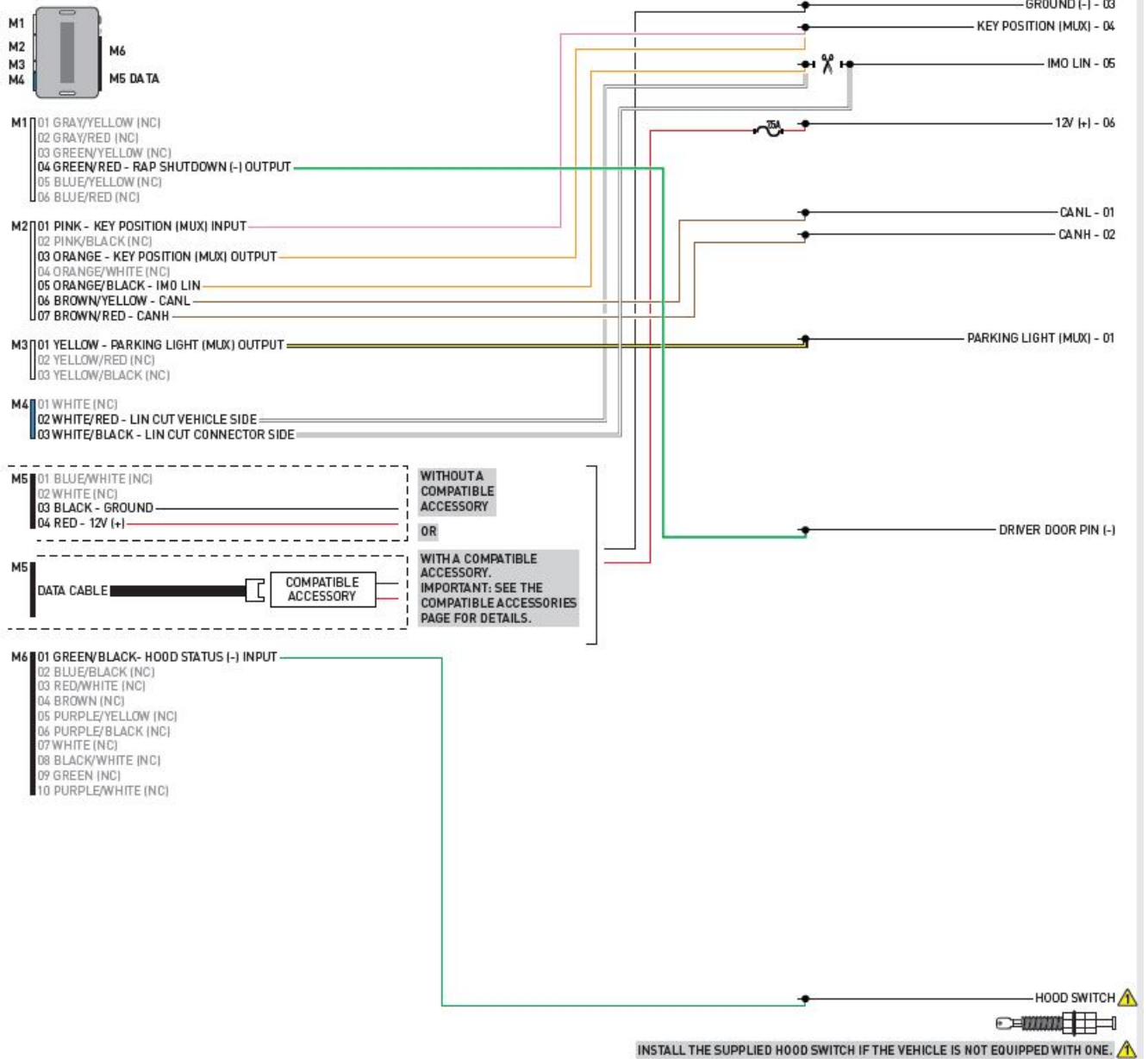


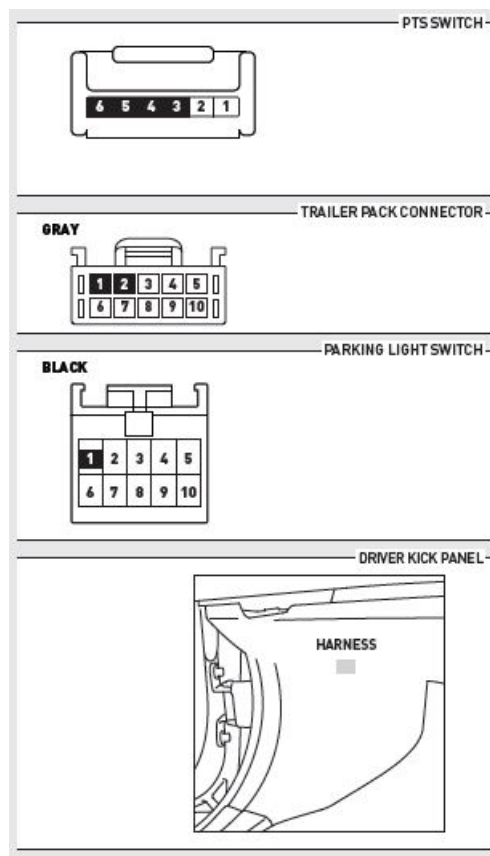


TYPE 3 – WIRE CHART – 1 OF 1

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
RAM	1500 / 2500 / 3500 STD key AT	18	12V	D2664A	Black	06 pin	06	Red	(+)	Ignition connector	~
			Ground	D2664A	Black	06 pin	03	Black	(-)	Ignition connector	~
			Key position	D2664A	Black	06 pin	04	Purple/Brown	(MUX)	Ignition connector	~
			Imo Lin	D2664A	Black	06 pin	05	White/Green	(DATA)	Ignition connector	~
			CanH	~	Gray	10 pin	02	Orange	(DATA)	Trailer module, right of steering column	~
			CanL	~	Gray	10 pin	01	Yellow	(DATA)	Trailer module, right of steering column	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
			Driver door pin	~	~	~	~	Purple	(-)	Harness in driver kick panel	~
	1500 Classic STD key AT	19-21	12V	D2664A	Black	06 pin	06	Red	(+)	Ignition connector	~
			Ground	D2664A	Black	06 pin	03	Black	(-)	Ignition connector	~
			Key position	D2664A	Black	06 pin	04	Purple/Brown	(MUX)	Ignition connector	~
			Imo Lin	D2664A	Black	06 pin	05	White/Green	(DATA)	Ignition connector	~
			CanH	~	Gray	10 pin	02	Orange	(DATA)	Trailer module, right of steering column	~
			CanL	~	Gray	10 pin	01	Yellow	(DATA)	Trailer module, right of steering column	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
			Driver door pin	~	~	~	~	Purple	(-)	Harness in driver kick panel	~
	1500 Diesel / 2500 Diesel / 3500 Diesel STD key AT	18	12V	D2664A	Black	06 pin	06	Red	(+)	Ignition connector	~
			Ground	D2664A	Black	06 pin	03	Black	(-)	Ignition connector	~
			Key position	D2664A	Black	06 pin	04	Purple/Brown	(MUX)	Ignition connector	~
			Imo Lin	D2664A	Black	06 pin	05	White/Green	(DATA)	Ignition connector	~
			CanH	~	Gray	10 pin	02	Orange	(DATA)	Trailer module, right of steering column	~
			CanL	~	Gray	10 pin	01	Yellow	(DATA)	Trailer module, right of steering column	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
			Driver door pin	~	~	~	~	Purple	(-)	Harness in driver kick panel	~
	1500 Classic Diesel STD key AT	19-21	12V	D2664A	Black	06 pin	06	Red	(+)	Ignition connector	~
			Ground	D2664A	Black	06 pin	03	Black	(-)	Ignition connector	~
			Key position	D2664A	Black	06 pin	04	Purple/Brown	(MUX)	Ignition connector	~
			Imo Lin	D2664A	Black	06 pin	05	White/Green	(DATA)	Ignition connector	~
			CanH	~	Gray	10 pin	02	Orange	(DATA)	Trailer module, right of steering column	~
			CanL	~	Gray	10 pin	01	Yellow	(DATA)	Trailer module, right of steering column	~
			Parking Light	D2242A	Black	10 pin	01	White/Brown	(MUX)	Parking light switch	~
			Driver door pin	~	~	~	~	Purple	(-)	Harness in driver kick panel	~

TYPE 3 – WIRING DIAGRAM – 1 OF 1





MODULE PROGRAMMING PROCEDURE – 1 OF 2

1. Close driver door. Re-open driver door to wake up data bus.
2. Press Unlock on OEM remote. If the vehicle is not equipped with an OEM remote, press the module programming button.
3. Wait, LED will flash GREEN once [1x]. If LED does not flash GREEN, press Unlock on OEM remote again.
4. Turn key to ON position.
5. Wait, LED will turn solid RED.
6. Turn key to OFF position.
7. Remove key.
8. Insert key into ignition.
9. Turn key to ON position.
10. Wait, LED will flash GREEN.
11. Turn key to OFF position.
12. **WARNING:** Disconnect power last. Disconnect module from vehicle.
13. Connect module to computer and proceed with extended programming.
14. **WARNING:** Do not press module programming button. Connect power first. Connect module to vehicle.
15. Turn key to ON position.
16. Wait, LED will turn solid GREEN for 2 seconds.
17. Turn key to OFF position.
18. Turn key to START position.
19. Turn key to OFF position.
20. Module Programming Procedure completed.

VALET MODE PROGRAMMING PROCEDURE – 1 OF 1

NOTE: In Valet Mode, the Remote starter is not functional. Keyless entry, Lock and Unlock will remain functional. See RF kit user manual for alternate valet mode programming.

1. Time restriction. Complete next step within 7 seconds.
2. Cycle ignition ON five times [5x OFF/ON] rapidly.
3. Wait, LED 1 will turn solid RED for 2 seconds.
4. Set ignition to OFF position.
5. Valet Mode Programming Procedure completed.

To exit valet mode: repeat steps 1 to 5.

MODULE NAVIGATION PROCEDURE – 1 OF 1

It is mandatory to exit the Module Navigation at the end of this procedure. Failure to exit the Module Navigation will drain vehicle battery. To exit the Module Navigation at any time: Follow STEP 13.

Module must be programmed to the vehicle.

Use the Module Navigation Chart on the next page.

1. Set ignition to OFF position.
2. TO ACCESS THE MENUS: Press and hold programming button until LED 1 turns solid GREEN.
3. IN THE MENUS: Press the programming button as many times as the menu number indicates. LED 1 will flash GREEN an equal amount of times continuously.
4. TO ACCESS THE OPTIONS: Press and hold programming button until LED 1 turns solid RED.
5. IN THE OPTIONS: Press the programming button as many times as the option number indicates. LED 1 will flash RED an equal amount of times continuously.
6. TO ACCESS THE SETTINGS: Press and hold programming button until LED 1 turns solid GREEN.
7. LED 1 will flash GREEN as many times as the current (or default) setting number, continuously.
8. IN THE SETTINGS: Press the programming button as many times as necessary to access your setting. LED 1 will flash GREEN an equal amount of times continuously.
9. To return to the MENUS: exit the Module Navigation and redo the Module Navigation Procedure.
10. To save and return to the OPTIONS: Press and hold programming button until LED 1 turns solid RED.
11. LED 1 will flash RED as many times as the current option number continuously.
12. Configure every other setting and proceed to step 13.
13. MANDATORY: EXIT MODULE NAVIGATION. Press and hold programming button for 7 seconds. LED 1 will flash RED rapidly. Release programming button. LED 1 will turn OFF.
14. Module navigation completed.

Failure to exit the Module Navigation will drain vehicle battery.

MODULE NAVIGATION CHART – 1 OF 1

MODULE NAVIGATION CHART: NOTES	[X] MENUS	[Y] OPTIONS	[Z] SETTINGS
<p>I Default settings are listed in bold.</p> <p>II Make sure the option is covered on the vehicle before attempting to change the setting.</p>	01	01	DISARM/UNLOCK BEFORE START
		01	OFF
		02	ON
		02	01 OFF
		02	ON
		03	RELOCK AFTER SHUTDOWN
		01	OFF
		02	ON
		04	FORCE UNLOCK ALL ON FIRST PRESS
		01	OFF
		02	ON
		05	TAKEOVER
		01	ENABLE
		02	DISABLE*
		01	45 SEC
		02	90 SEC
		03	03 MIN
		04	04 MIN
		07	N/A
		01	03 MIN
		02	05 MIN
		03	10 MIN
		04	15 MIN
		05	25 MIN
		06	30 MIN
		07	35 MIN
		08	15 MIN
		01	02 SEC
		02	05 SEC
		03	08 SEC
		04	10 SEC
		05	15 SEC
		06	20 SEC
		07	25 SEC
		08	30 SEC
		01	N/A
		01	N/A
		10-12	N/A
		01	N/A
	02-07	Technical Support only	

REMOTE STARTER ERROR CODES – 1 OF 1

REMOTE STARTER ERROR CODES: NOTES	[X] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
<p>I WARNING: The following applies only when the parking lights are connected and supported by the system.</p> <p>II After a remote starter failure, the parking lights will flash three [3x] times, then will flash [X] number times to indicate an error code. See table.</p>	01	Engine running.
	02	Key in ignition at ON position.
	03	N/A
	04	Trunk is open.
	05	Foot brake is ON.
	06	Hood is open.
	07	N/A
	08	Tach failure.
	09	N/A
	10	System is in Valet Mode.
REMOTE STARTER SHUTDOWN ERROR CODES: NOTES	[Y] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
<p>I WARNING: The following applies only when the parking lights are connected and supported by the system.</p> <p>II If the engine shuts down after a remote starter sequence: Press and hold the Trunk button and the Start button at the same time for 2.5 seconds when using a 1-WAY remote. OR Press once [1x] on button "4" when using a 2-WAY remote.</p> <p>The parking lights will flash four [4x] times, then will flash [Y] number times to indicate an error code. See table.</p>	01	Engine tach signal is lost.
	02	N/A
	03	Foot brake is ON.
	04	Hood is open.
	05	Engine RPM limiter is ON.
	06	Glow plug timeout error.
	07	Vehicle is moving [VSS].
	08	Check engine warning light is ON.
	09	Low fuel warning light is ON.

MODULE DIAGNOSTICS – 1 OF 1

TEST MODULE		LED 1 STATUS	DIAGNOSTIC
I	DURING PROGRAMMING	Flashing RED	Missing/wrong information from firmware or vehicle.
		Solid RED	Module waiting for more vehicle information.
		Flashing GREEN	Additional steps required to complete module programming.
		Solid GREEN then OFF	Module correctly programmed.
		OFF	No activity or module already programmed.
II	DURING REMOTE START	Flashing RED	Module incorrectly programmed.
		Solid RED	Module incorrectly programmed.
		Flashing GREEN	Module correctly programmed and operational.
		Solid GREEN then OFF	Reset in progress.
III	WITH IGNITION OFF	OFF	Invalid ground when running status from remote starter.
		Flashing RED	Module incorrectly programmed or connected.
		Solid RED	Module not programmed. Waiting for more vehicle information.
		Flashing GREEN	False ground when running status from remote starter.
		Solid GREEN then OFF	Reset in progress.
		OFF	Module at rest and ready for a remote start sequence.

MODULE RESET PROCEDURE – 1 OF 1

1. Disconnect all connectors from module except the BLACK 4-PIN connector.
2. Disconnect the BLACK 4-PIN connector.
3. PRESS AND HOLD programming button while connecting the BLACK 4-PIN connector.
4. Wait, LED 1 will flash RED. RELEASE programming button.
5. LED 1 will turn RED for 2 seconds.
6. Module RESET completed.
7. Reconnect all connectors.
8. Repeat programming procedure.

Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.

TAKEOVER PROCEDURE – 1 OF 1

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

1. Time restriction. Complete steps 2 to 6 within 45 seconds.
2. Press unlock on OEM or aftermarket remote.
3. Open driver door and enter vehicle.
4. Close driver door.
5. Turn key to ON position.
6. Press and release BRAKE pedal.
7. Take over procedure completed.

Failure to follow procedure will result in vehicle engine shutdown.

INSTALLATION CHECKLIST – 1 OF 1

CHECKLIST

1. **WARNING:** Vehicle engine will start many times. Test in a well ventilated area.
2. Close all vehicle doors, hood and trunk.
3. Press the LOCK button once [1x] on the aftermarket keyfob.

Question 1: Do the doors lock?

YES: Go to next step.

NO: Verify the remote programming, the RF connections and the wired door lock/unlock connections as illustrated in the wiring diagram, if applicable. Repeat the test and call technical support, if the problem persists.

4. Press the UNLOCK button once [1x] on the aftermarket keyfob.

Question 2: Do the doors unlock?

YES: Go to next step.

NO: Verify the remote programming, the RF connections and the wired door lock/unlock connections as illustrated in the wiring diagram, if applicable. Repeat the test and call technical support, if the problem persists.

5. Press the TRUNK release button once [1x] on the aftermarket keyfob if supported.

Question 3: Does the trunk or hatch open/unlock?

YES: Close trunk or hatch and go to next step.

NO: Verify the remote programming, the RF connections and the wired trunk/hatch connections as illustrated in the wiring diagram, if applicable. Repeat the test and call technical support, if the problem persists.

6. Press the AUX 1 button once [1x] on the aftermarket keyfob if supported.

Question 4: Does the driver side sliding door open?

YES: Press the AUX 1 button once [1x] to close the driver sliding door and go to next step.

NO: Verify the remote programming and the RF connections. Repeat the test and call technical support, if the problem persists.

7. Press the AUX 2 button once [1x] on the aftermarket keyfob if supported.

Question 5: Does the passenger side sliding door open?

YES: Press the AUX 2 button once [1x] to close the passenger sliding door and go to next step.

NO: Verify the remote programming and the RF connections. Repeat the test and call technical support, if the problem persists.

8. Press the START/STOP button once [1x] on the aftermarket keyfob to remote start vehicle.

Question 6: Does the vehicle remote start?

YES: Go to next step.

NO: Verify the remote programming, the RF connections and check the remote start error codes. Repeat the test and call technical support, if the problem persists.

9. Press the START/STOP button once [1x] on the aftermarket keyfob to shut down vehicle.

Question 7: Does the vehicle shut down?

YES: Go to next step.

NO: Repeat step. If problem persists, press the brake pedal once [1x] to shut down the vehicle and call technical support.

10. RAP and auto light shutdown test

Question 8: Did the radio, interior controls and headlights turn off within 60 seconds after remote start shutdown?

YES: Go to next step.

NO: Verify the RAP SHUTDOWN connections as illustrated in the wiring diagram. Repeat the test and call technical support if the problem persists.

11. Open hood.

12. If not already installed, affix the mandatory orange warning sticker under the hood and proceed to next step.

13. Press the START/STOP button once [1x] on the aftermarket keyfob to remote start vehicle.

Question 9: Does the vehicle remote start?

YES: The vehicle is not equipped with a factory hood pin. Install a mandatory aftermarket hood switch, then repeat the test.

NO: Go to next step.

14. Close hood.

15. Enter vehicle and close the doors.

16. Press the START/STOP button once [1x] on the aftermarket keyfob to remote start vehicle.

17. Wait for the vehicle to start.

18. Press brake pedal.

Question 10: Does the vehicle shut down?

YES: Go to next step.

NO: The module does NOT detect the brake pedal signal. Press the START/STOP button once [1x] on the aftermarket keyfob to shut down vehicle, check connection as illustrated in the wiring diagram, if applicable, and call technical support.

19. Exit vehicle.

20. Installation checklist completed.

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Documents / Resources



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CFLI-AL, FLCAN Module

References

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