FTI-FDK1 Type 1A - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
SUPPORT - 1(888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
DL-FM2					**Park / Auto**			**Green White/Blue**
Ford	Edge	2007-10	Type 1	OBD-II	A			
Ford	Escape	2008-12	Type 1	OBD-II	A			
Ford	Flex	2009-12	Type 1	OBD-II	A			
Ford	Focus	2008-11	Type 1	OBD-II	A			
Lincoln	MKX	2007-10	Type 1	OBD-II	A			
Mazda	Tribute	2008-11	Type 1	OBD-II	A			
Mercury	Mariner	2008-11	Type 1	OBD-II	A			
Mercury	Mariner Hybrid	2008-11	Type 1	OBD-II	A			

Hey! Read this stuff before you start the installation...

Firmware:
Covered vehicles use **BLADE-AL(DL)-FM2**, flash module and update the controller firmware before installing.

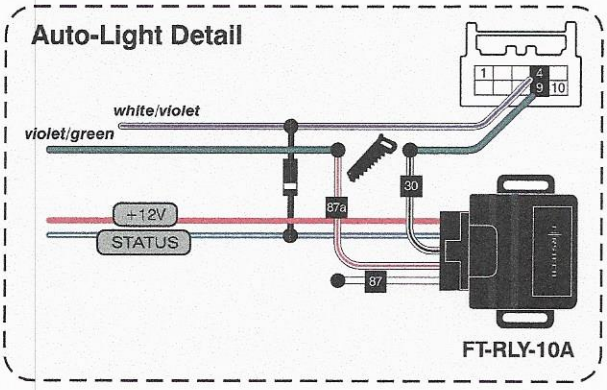
Controller Configuration:
Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

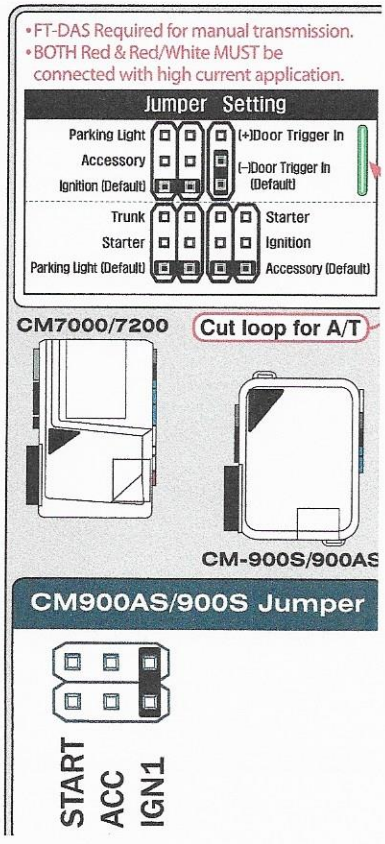
Door Locks:
With alarm: Door locks require three wire connections (1-unlock, 2-lock) and two (2) diodes isolating the lock wires.

Without alarm: Door locks require two wire connections and no diodes.

Auto-lights:
If vehicle is equipped with auto-light feature, refer to the diagram below for required connections.
Auto-light: ***violet/green*** (pin #9)
Light-off: ***white/violet*** (pin #4)

Okay, now get to work...





FIRSTECH, LLC.

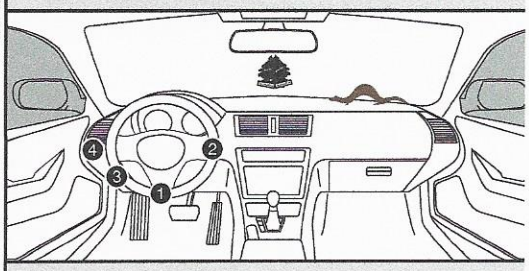
A **DL-FM3** TX loop, not used in this install type, do not cut.

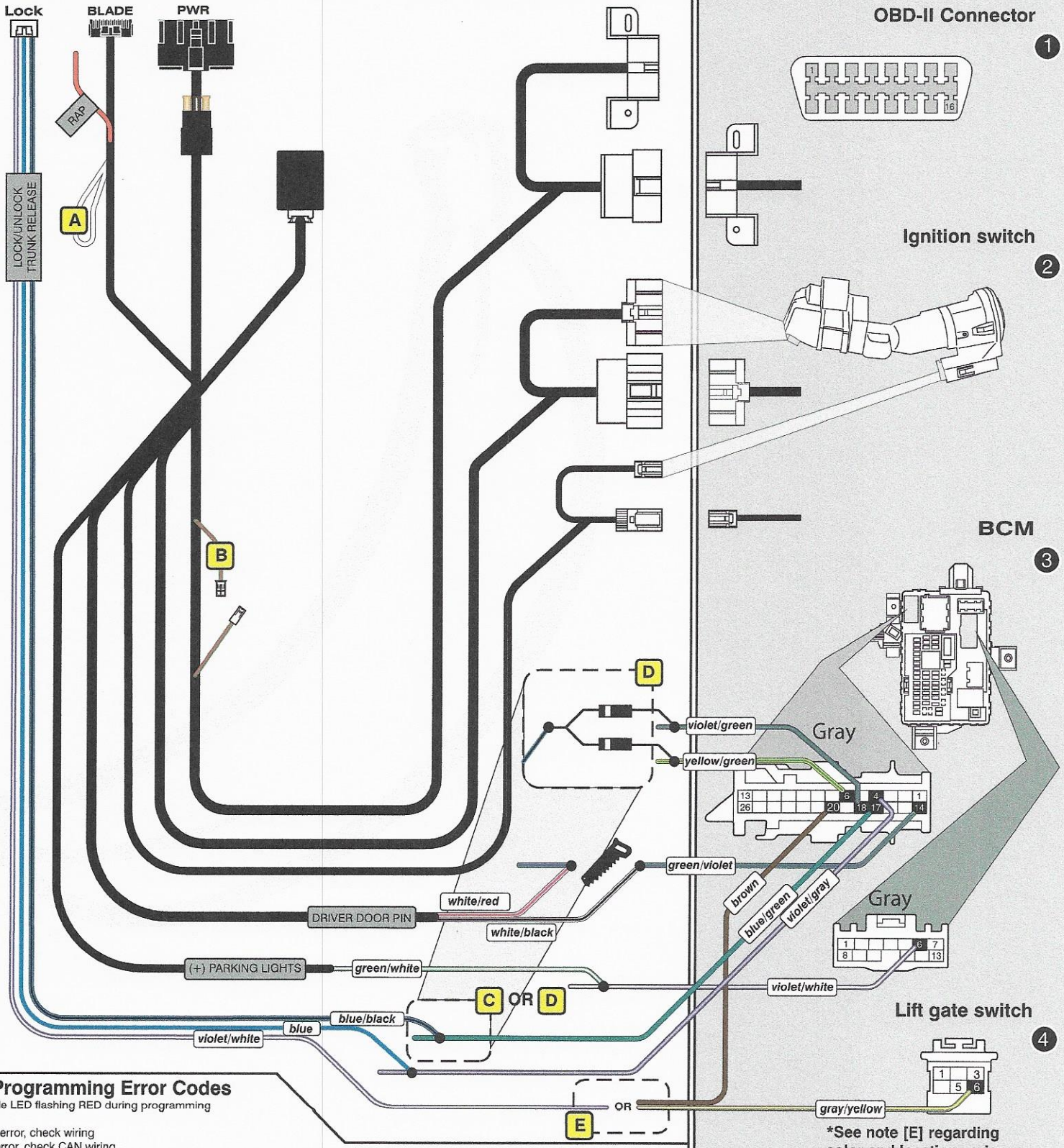
B Jumper for vehicles that are not equipped with immobilizer, do not connect unless vehicle is confirmed not equipped. If vehicle is not equipped, connect before programming to skip immobilizer learn.

C **NO ALARM**: Door lock connection at BCM (pin #17, ***blue/green,*** 26-pin connector)

D **WITH ALARM**: Door lock/arm connections at BCM (pin #6, ***yellow/green***, pin #18, ***violet/green***, 26-pin connector), diode isolate the factory wires (cathode toward CM) and connect to CM output

E Lift gate release at switch in the **Edge**, **Flex**, and **MKX**, position and color vary (***gray/yellow*** or ***brown***, pins 3, 5, or 6), all other covered vehicles at BCM 26-pin connector, ***brown*** or ***brown/yellow***, pin #20.





OBD-II Connector

1

Ignition switch

2

BCM

3

Lift gate switch

4

***See note [E] regarding color and location variances**

LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
6x - KLON error, check RX/TX wiring, confirm pin positions
7x - KLON error, process failed, reset module and start over
8x - Encryption error, confirm key encryption, 80 bit detected

Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then key off/on

Step 2 - If LED goes blue, you're done, if red, insert key #2 and activate IGN, when LED is red, remove key, press module button, and remote start vehicle, blue/done.

FTI-FDK1 Type 1A

FTI-FDK1 Type 1A2 - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
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Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
DL-FM2					**Park / Auto**			**Green White/Blue**
Ford	Fusion	2006-12	Type 1	OBD-II	A			
Lincoln	Zephyr	2006	Type 1	OBD-II	A			
Mercury	Milan	2006-10	Type 1	OBD-II	A			

Hey! Read this stuff before you start the installation...

Firmware:
Covered vehicles use **BLADE-AL(DL)-FM2**, flash module and update the controller firmware before installing.

Controller Configuration:
Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

Door Locks:
With Alarm: Door locks require three connections (1-unlock, 2-lock) and two diodes.

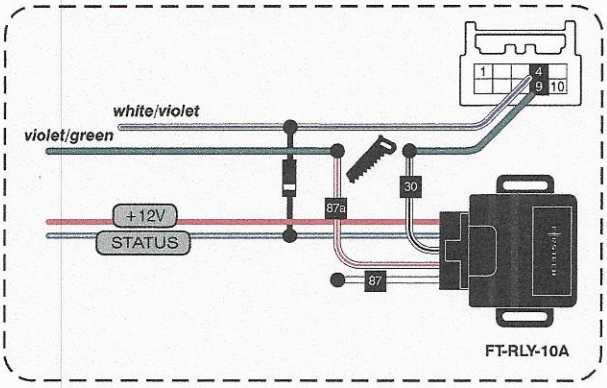
Without Alarm: Door locks require two wires and no diodes.

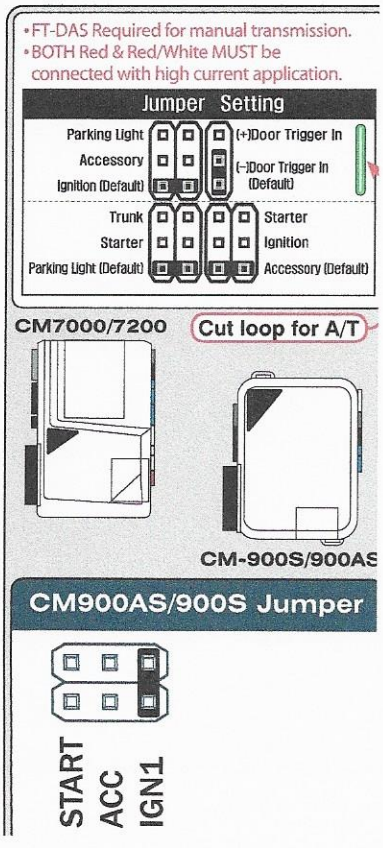
Brake:
Analog brake connection required, wire is ***purple/white*** (brake switch connector, pin #4).

Auto-Light Detail

Auto-Lights:
If vehicle is equipped with Auto-Light feature, refer to diagram for required connections.

Okay, now get to work...





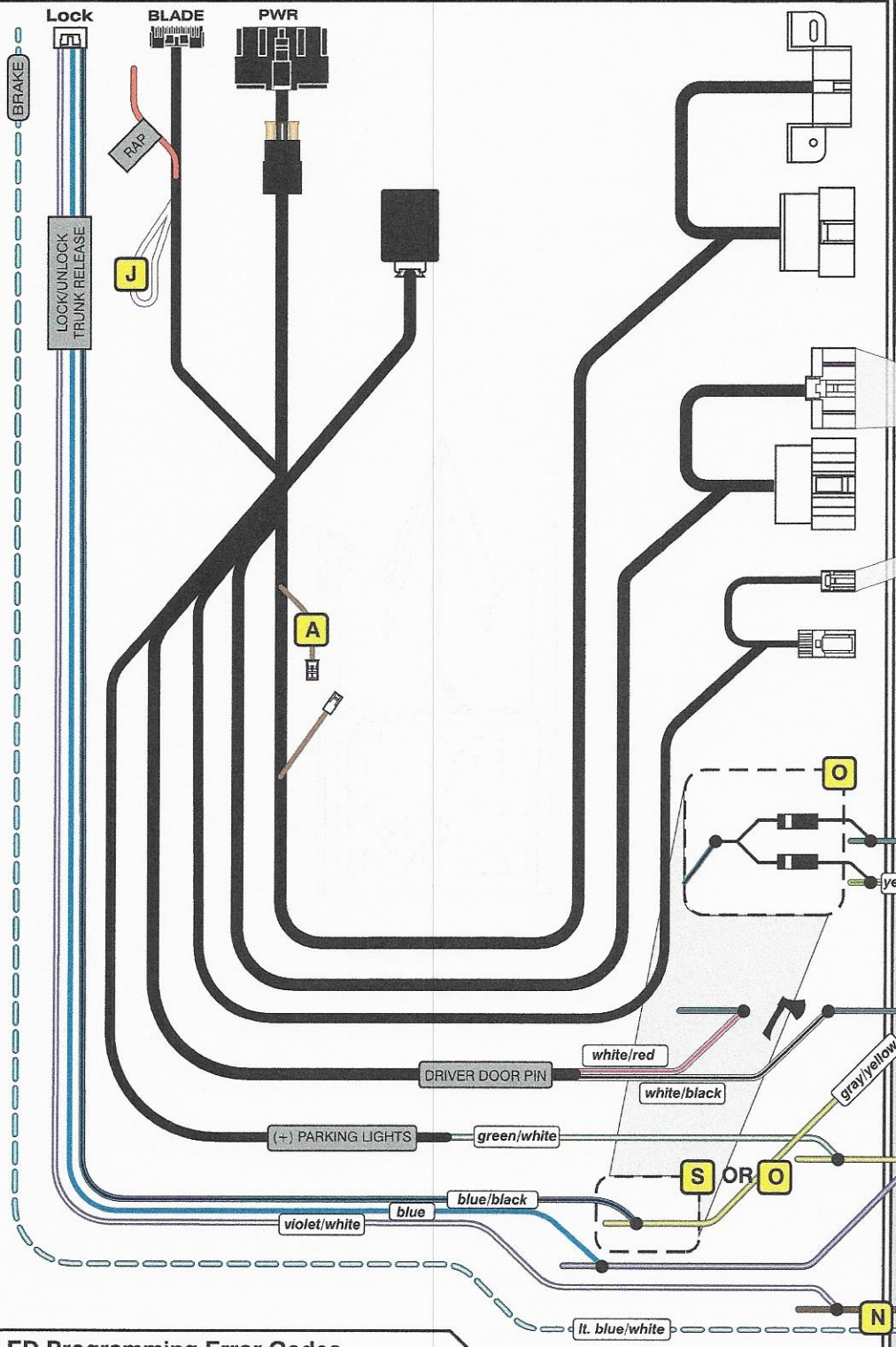
J **DL-FM3** TX loop, not used in this install type, do not cut.

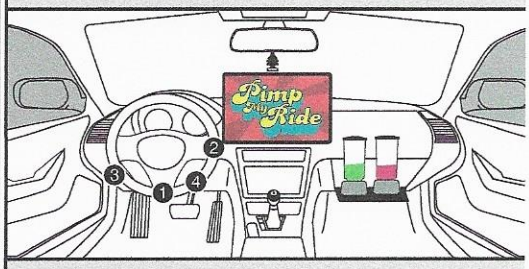
A Jumper for vehicles that are not equipped with immobilizer, do not connect unless vehicle is confirmed not equipped. If vehicle is not equipped, connect before programming to skip immobilizer learn.

S **NO ALARM**: Door lock connection at BCM (pin #4, ***gray/yellow,*** ***32***-pin blue connector)

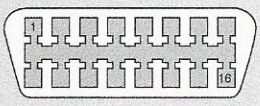
O **WITH ALARM**: Door lock/arm connections at BCM (pin #21, ***yellow/green***, pin #16, ***violet/green***, 32-pin blue connector), diode isolate the factory wires (cathode toward CM) and connect to CM output

N Trunk release at BCM (pin #27, ***brown***, gray 32-pin connector), brake connection at the brake switch, located at the top of the brake pedal assembly (pin #4, ***violet/white***)

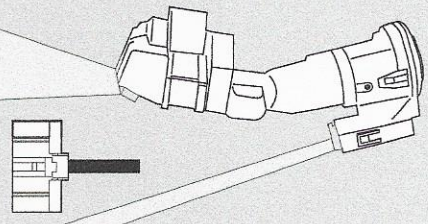




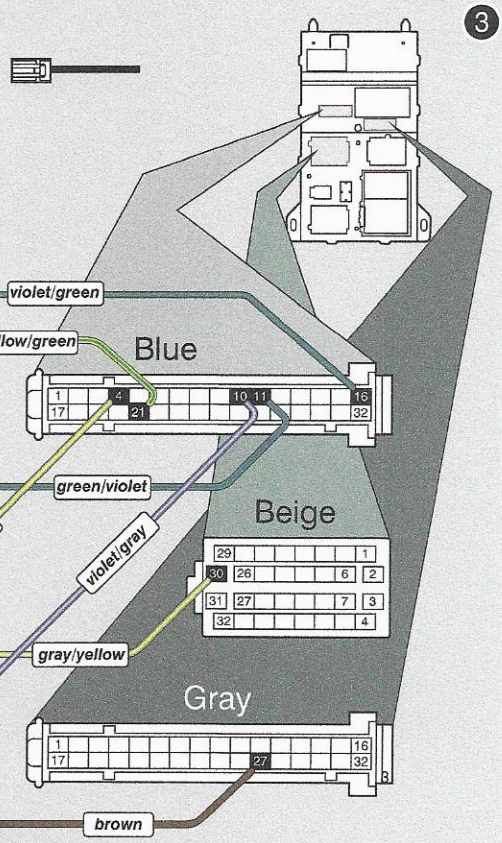
OBD-II Connector 1



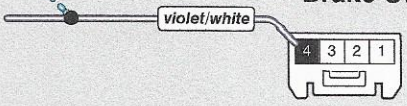
Ignition switch 2



BCM 3



Brake Switch 4



LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
6x - KLON error, check RX/TX wiring, confirm pin positions
7x - KLON error, process failed, reset module and start over
8x - Encryption error, confirm key encryption, 80 bit detected
9x - Key in cylinder, remove and proceed

Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then key off/on
Step 2 - If LED goes blue, you're done, if red, insert key #2 and activate IGN, when LED is red, remove key, press module button, and remote start vehicle, blue/done.
**See BLADE guide for more detailed instructions

FIRSTECH, LLC.

FTI-FDK1 Type 1A2

FTI-FDK1 Type 1A3 - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
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Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
DL-FM2					**Park / Auto**			**Green White/Blue**
Ford	Explorer	2006-10	Type 1	OBD-II	A			
Ford	Sport Trac	2007-10	Type 1	OBD-II	A			
Mercury	Mountaineer	2006-10	Type 1	OBD-II	A			

Hey! Read this stuff before you start the installation...

Firmware:
Covered vehicles use **BLADE-AL(DL)-FM2** firmware, flash module and update the controller firmware before installing.

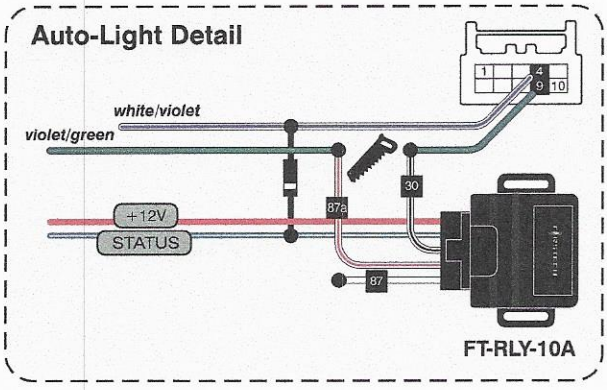
Controller Configuration:
Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

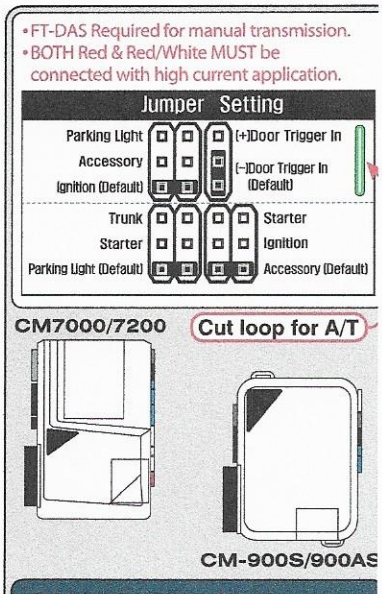
Door Locks:
With Alarm: Door locks require three connections (1-unlock, 2-lock) and two diodes.

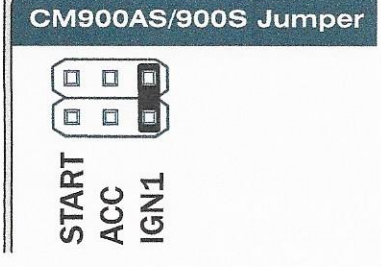
Without Alarm: Door locks require two wires and no diodes.

Brake:
Analog brake connection required, there are two possible connector types used, wire color is ***purple/white*** at the brake switch connector, pin #4 of 4-pin connector, or pin #2 of the 2-pin connector, vehicle equipment varies.

Auto-Lights:
If vehicle is equipped with Auto-Light feature, refer to diagram for required connections.







FIRSTECH, LLC.

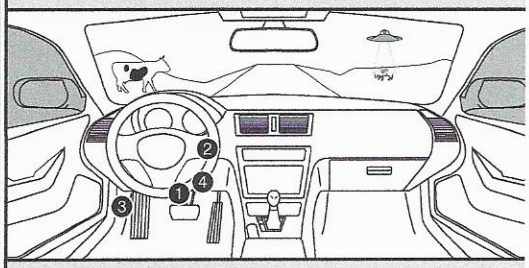
A **DL-FM3** TX loop, not used in this install type, do not cut.

B Jumper for vehicles that are not equipped with immobilizer, do not connect unless vehicle is confirmed not equipped. If vehicle is not equipped, connect before programming to skip immobilizer learn.

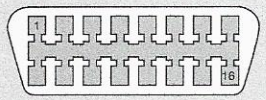
C **NO ALARM**: Door lock connection in driver kick panel harness, color is ***gray/yellow***

D **WITH ALARM**: Door lock/arm connections are ***yellow/green*** and ***violet/green***, in the driver kick panel harness, diode isolate the factory wires (cathode toward CM) and connect to CM output

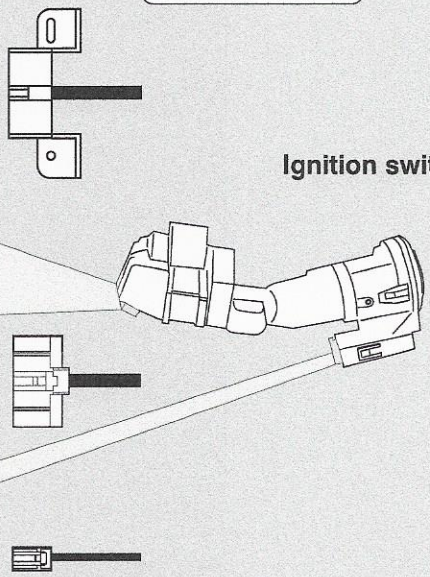
E Brake status is at the brake switch assembly, wire color is ***violet/white*** in either pin #2 of a ***gray*** 2-pin plug or pin #4 of a ***white 4-pin*** plug



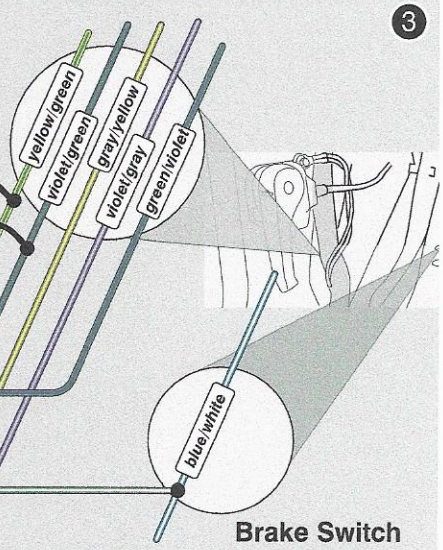
OBD-II Connector 1



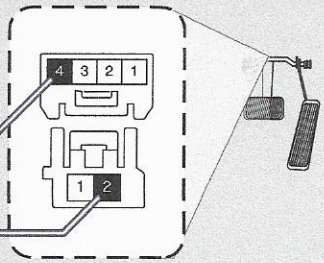
Ignition switch 2

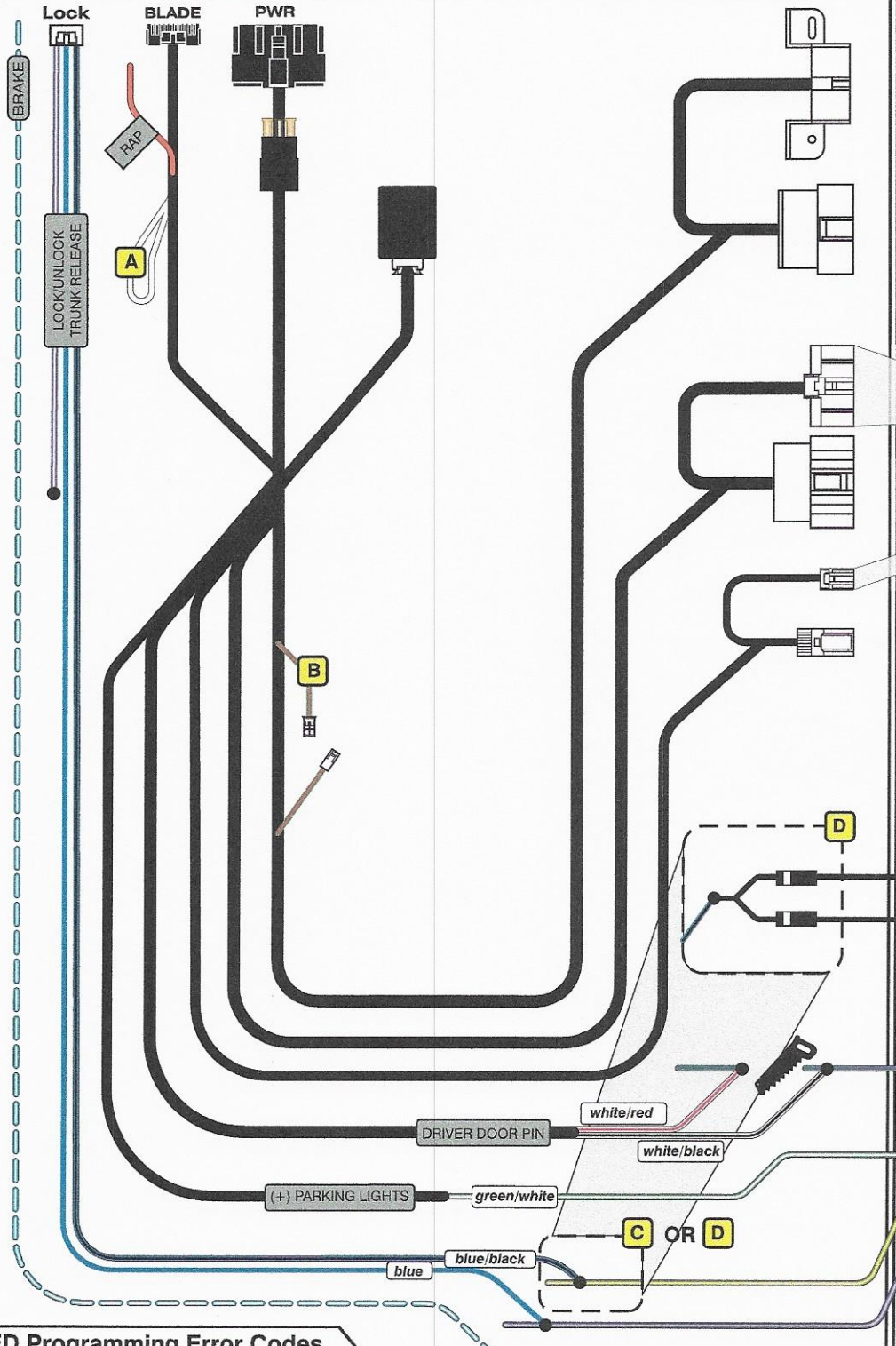


Driver's kick panel (harness) 3



Brake Switch 4





LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
6x - KLON error, check RX/TX wiring, confirm pin positions
7x - KLON error, process failed, reset module and start over
8x - Encryption error, confirm key encryption, 80 bit detected

Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then key off/on

Step 2 - If LED goes blue, you're done, if red, insert key #2 and activate IGN, when LED is red, remove key, press module button, and remote start vehicle, blue/done.

FTI-FDK1 Type 1A3

FTI-FDK1 Type 1B - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
SUPPORT - 1(888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
DL-FM2					**Park / Auto**			**Green White/Blue**
Ford	Mustang	2010-14	Type 1	OBD-II	B			
Lincoln	MKS	2009-12	Type 1	OBD-II	B			
Lincoln	MKZ	2010-12	Type 1	OBD-II	B			
Lincoln	MKZ Hybrid	2010-12	Type 1	OBD-II	B			
Mercury	Sable	2008-09	Type 1	OBD-II	B			

Hey! Read this stuff before you start the installation...

Firmware:
Covered vehicles use **BLADE-AL(DL)-FM2**, flash module and update the controller firmware before installing.

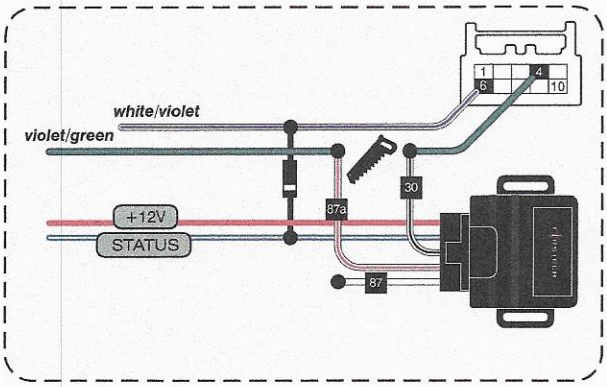
Door Locks:
With alarm: Door locks require three wire connections (1-unlock, 2-lock) and two (2) diodes isolating the lock wires.

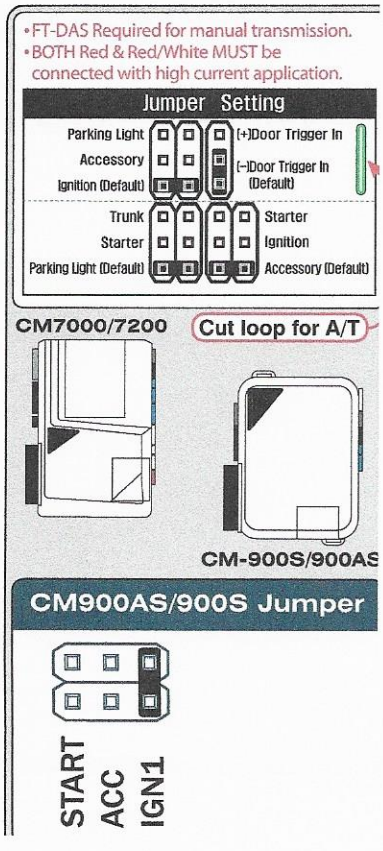
Mustang: Lock/Arm wire color, ***yellow/gray*** (pin #9/26 at BCM)

Without alarm: Door locks require two wire connections and no diodes.

Auto-lights: If vehicle is equipped with auto-light feature, refer to the diagram below for required connections.
Auto-light: ***violet/green*** (pin #4)
Light-off: ***white/violet*** (pin #6)

Okay, now get to work...





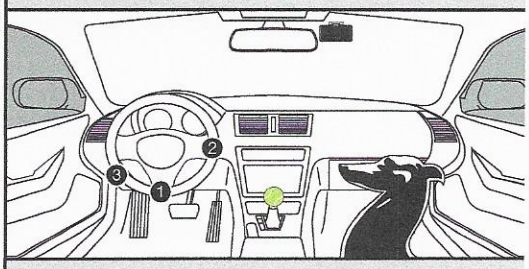
FIRSTECH, LLC.

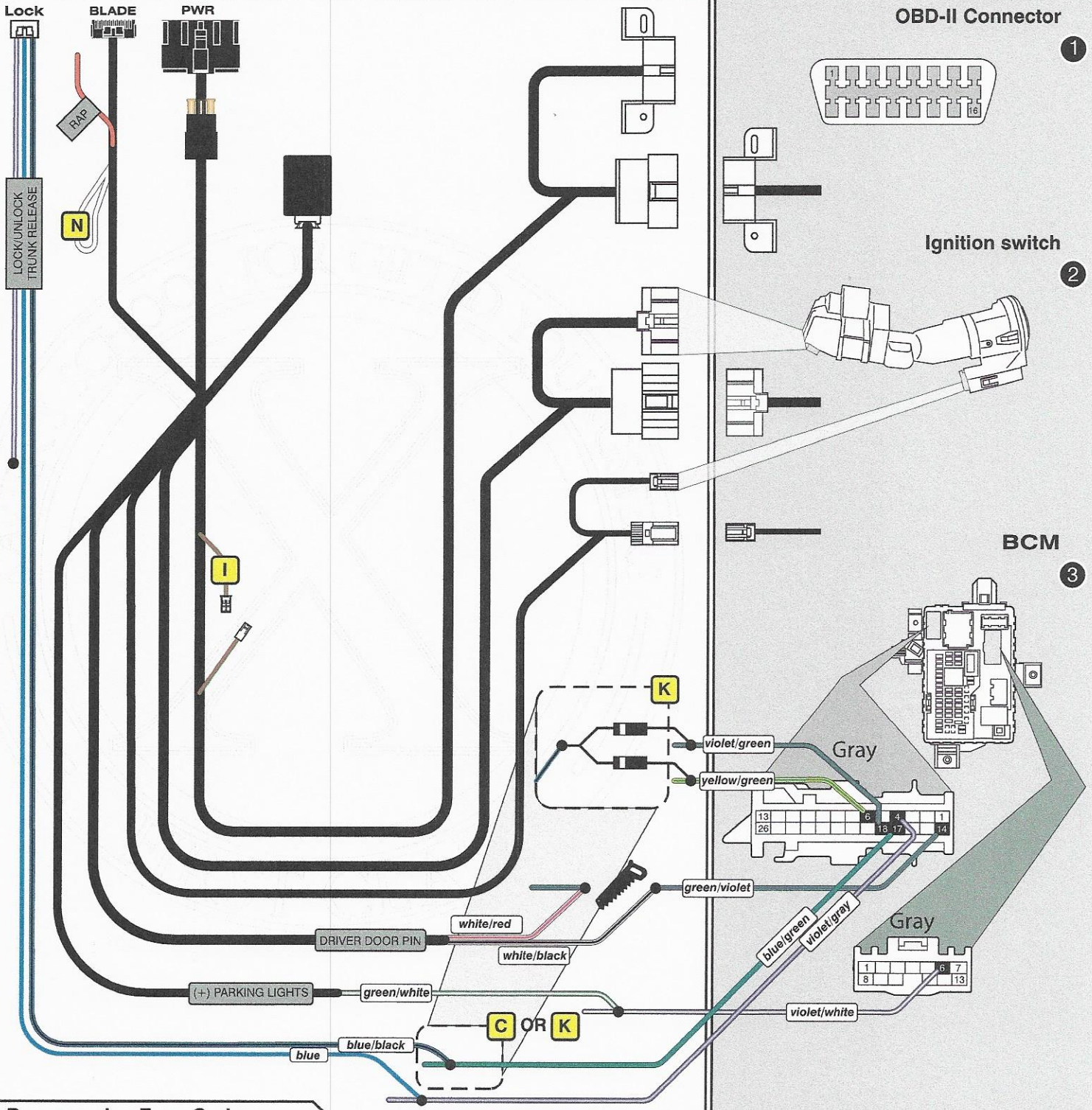
N **DL-FM3** TX loop, not used in this install type, do not cut.

I Jumper for vehicles that are not equipped with immobilizer, do not connect unless vehicle is confirmed not equipped. If vehicle is not equipped, connect before programming to skip immobilizer learn.

C **NO ALARM**: Door lock connection at BCM (pin #17, ***blue/green,*** 26-pin connector)

K **WITH ALARM**: Door lock/arm connections at BCM (pin #6, ***yellow/green***, pin #18, ***violet/green***, 26-pin connector), diode isolate the factory wires (cathode toward CM) and connect to CM output





LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
6x - KLON error, check RX/TX wiring, confirm pin positions
7x - KLON error, process failed, reset module and start over
8x - Encryption error, confirm key encryption, 80 bit detected

Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then key off/on
Step 2 - If LED goes blue, you're done, if red, insert key #2 and activate IGN, when LED is red, remove key, press module button, and remote start vehicle, blue/done.

**See BLADE guide for more detailed instructions

FTI-FDK1 Type 1B

FTI-FDK1 Type 1C4 - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
SUPPORT - 1(888) 820-3690, EXT. 203

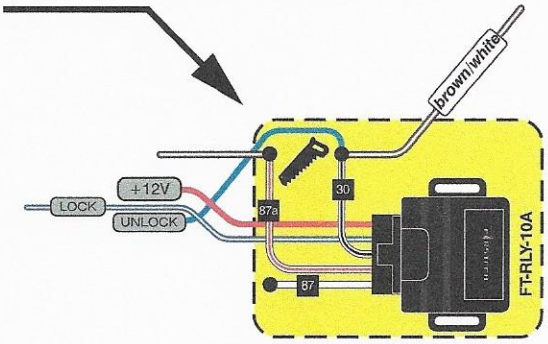
Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
DL-FM2					**Park / Auto**			**Green White/Blue**
Ford	Fiesta	2011-13	Type 1	OBD-II	C			

Hey! Read this stuff before you start the installation...

Firmware:
Covered vehicle uses **BLADE-AL(DL)-FM2** firmware, flash module and update the controller firmware before installing.

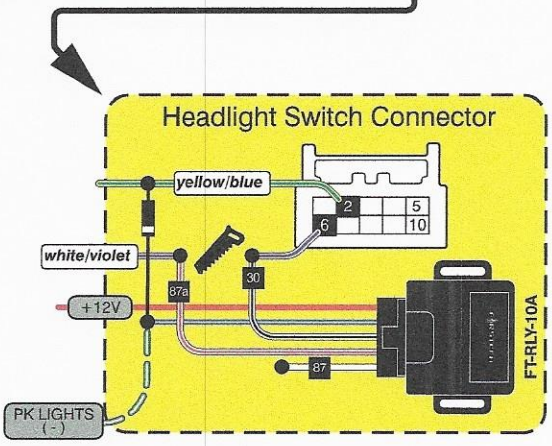
Controller Configuration:
Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

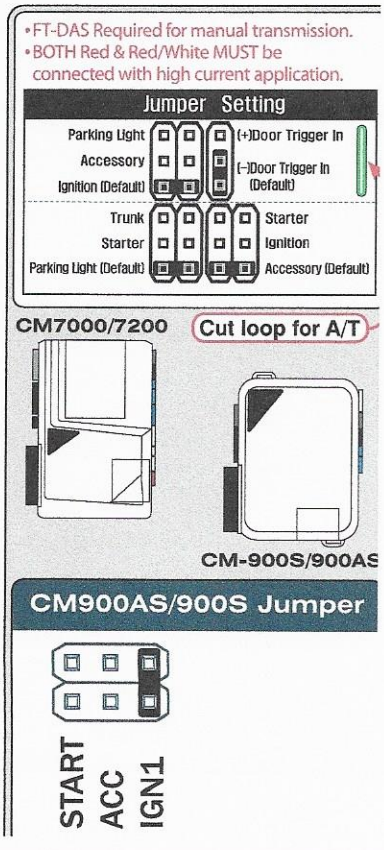
Door Locks:
Fiesta door locks are controlled by a single wire . **Unlock** is controlled by supplying a (-) negative pulse to the vehicle wire (pin #8, ***brown/white***, white 24-pin BCM connector), **Lock** is controlled by presenting an open circuit condition to the same wire. See diagram below or in installation guide for detailed connection instructions.



Parking Lights:
Parking lights (-) negative: ***yellow/blue***, pin #2 at headlight switch.
Lights-off (open): ***white/violet***, pin #6 at headlight switch.

Okay, now get to work...





FIRSTECH, LLC.

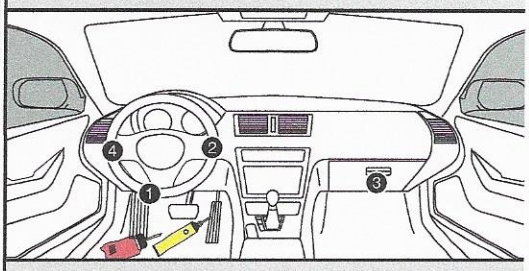
A DL-FM3 TX loop, not used in this install type, do not cut

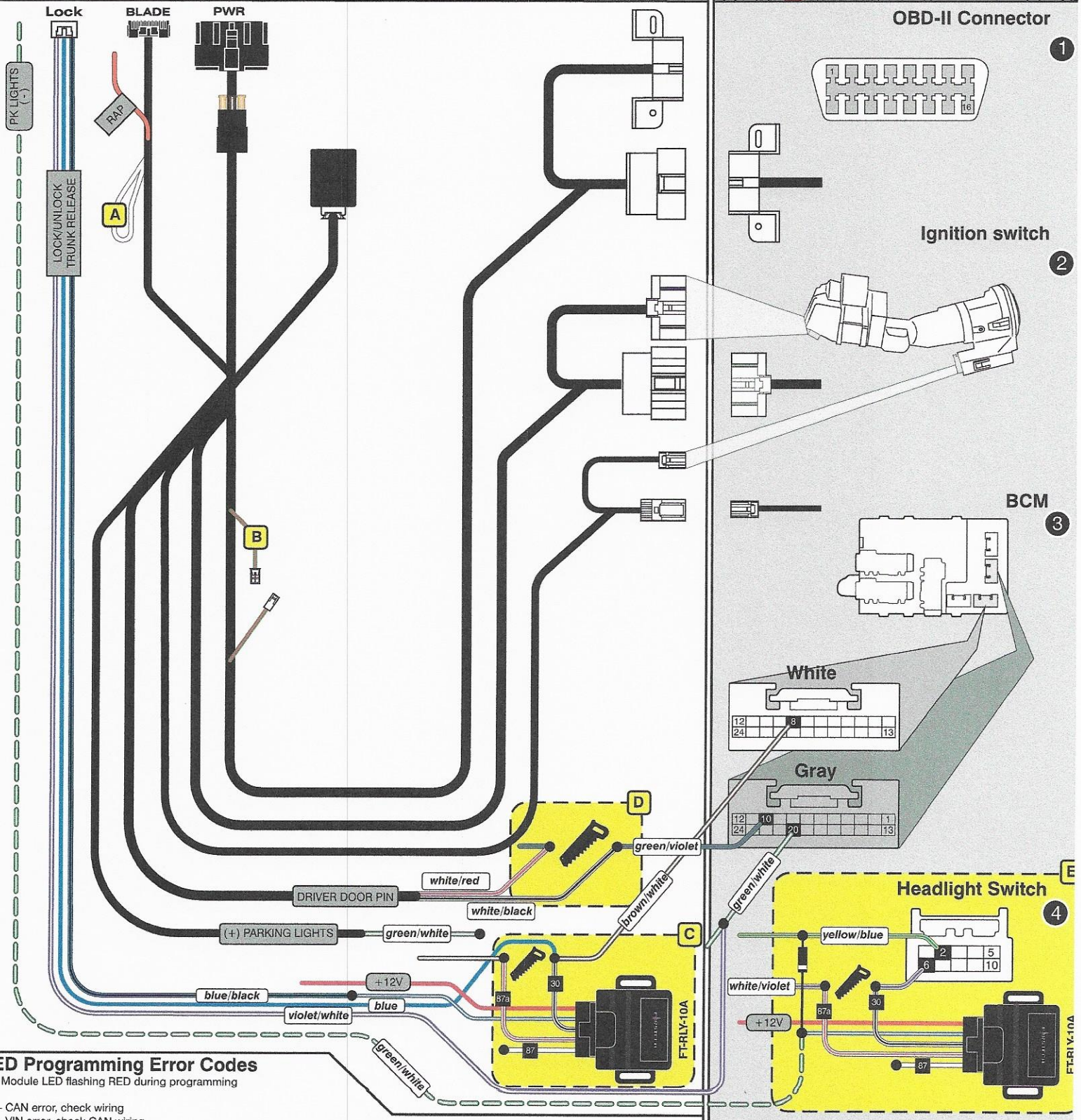
B Jumper for vehicles that are not equipped with immobilizer, do not connect unless vehicle is confirmed not equipped. If vehicle is not equipped, connect before programming to skip immobilizer learn

C Lock/unlock single wire control, **unlock** is (-) negative at 24-pin BCM connector (***brown/white***, pin #8), **lock** uses a relay to open circuit, interrupt vehicle wire as shown in diagram **C** below

D RAP control, cut driver door pin (pin#10, ***green/violet***, GRAY 24-pin BCM connector, connect to harness ***white/black*** and ***white/red*** wires. Trunk release ***green/white*** (pin #20, GRAY 24-pin at BCM)

E Parking light (-) at 10-pin headlight switch connector, connect as indicated in diagram **E** below (lights: pin #2, ***yellow/blue***, lights-off: pin #6, ***white/violet***)





LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
6x - KLON error, check RX/TX wiring, confirm pin positions
7x - KLON error, process failed, reset module and start over
8x - Encryption error, confirm key encryption, 80 bit detected

Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then key off/on

Step 2 - If LED goes blue, you're done, if red, insert key #2 and activate IGN, when LED is red, remove key, press module button, and remote start vehicle, blue/done.

FTI-FDK1 Type 1C4

FTI-FDK1- Type 2A1 - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
SUPPORT - 1(888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	Locks	Trunk	I/O Changes
DL-FM3					**Park / Auto**			**Green White / Blue**
Ford	Edge	2011-14	Type 2	OBD-II	A	A		
Ford	Explorer	2011-15	Type 2	OBD-II	A	A		
Ford	Taurus	2013-17	Type 2	OBD-II	A	A		
Lincoln	MKX	2011-12	Type 2	OBD-II	A	A		

ley! Read this stuff before you start the installation...

Firmware:
Covered vehicle uses **BLADE-AL(DL)-FM3**, flash module and update the controller firmware before installing.

Controller Configuration:
Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

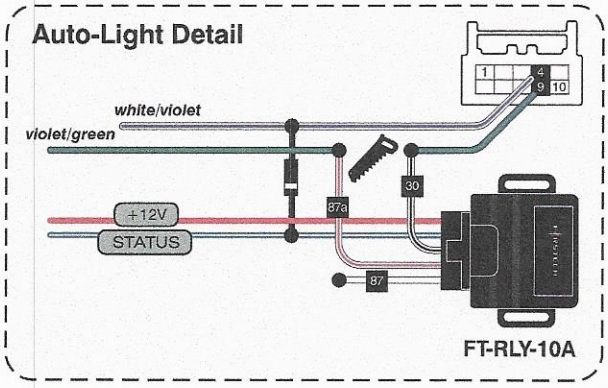
Install:
Type 2 vehicles require cutting the FM3 TX loop near the harness BLADE connector, cut loop before programming to vehicle.

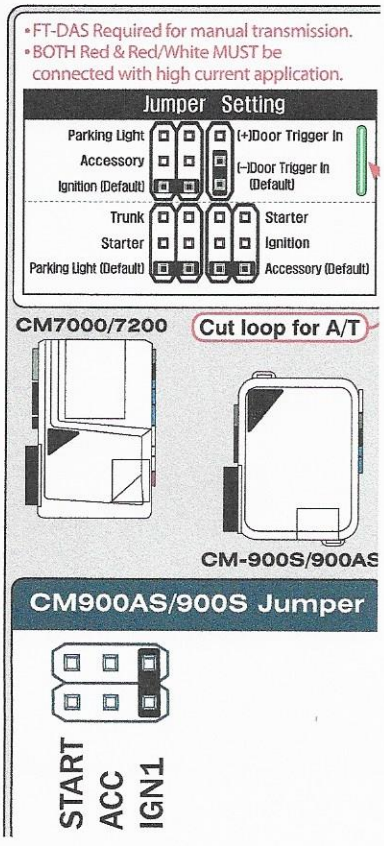
Locks:
Type A locks at black 26-pin connector, Lock: Pin #6, ***blue/green***, Unlock: Pin #8, ***yellow/violet.***

RAP:
RAP handling, connect to driver door pin at black 26-pin BCM connector, pin#9, violet.

Auto-Lights (If equipped):
Lights (open): ***violet/green***, pin #4 of headlight switch connector (open circuit, requires relay)
Lights-off (-): ***white/violet***, pin #6 of headlight switch connector (light-off, (-) negative)

Okay, now get to work...





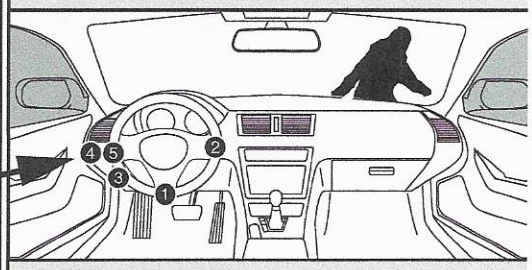
A **DL-FM3 TX loop**: DO NOT cut loop until module has been programmed to vehicle, CUT loop after programming has been completed, before first remote start attempt

B **Immobilizer disable jumper**: DO NOT connect jumper unless vehicle is confirmed not equipped with an immobilizer system, if not equipped, connect jumper before programming attempt

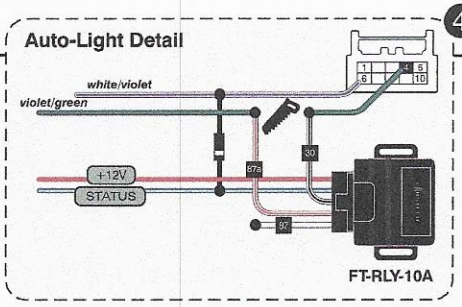
C **Rear hatch release**: (-) at black 26-pin BCM connector (pin #23, ***brown***), also available at hatch release switch 6-pin connector (pin #6, ***gray or brown***), or 8-pin connector (pin #7, ***gray/yellow***)

D **+ Parking lights**: If vehicle is not equipped with auto-lights, + parking lights are available at the gray 10-pin BCM connector (pin #6, ***yellow/blue***). If equipped with auto-lights, see **Auto-light detail**

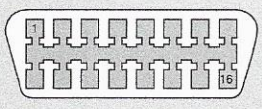
FIRSTECH, LLC.



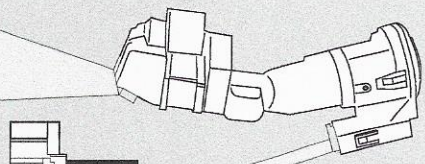
Auto-Light Detail



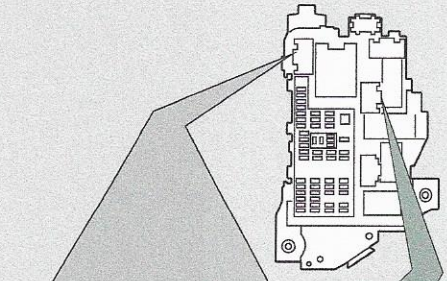
OBD-II Connector 1

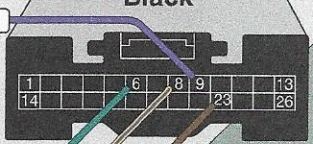


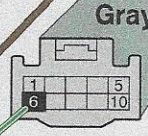
Ignition switch 2



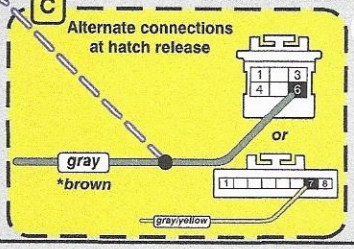
BCM 3







Hatch Release 4



Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then remove key, wait until LED is off, then activate IGN with key #1, when LED is red, remove key and go to step 2.

Step 2 - Insert key #2, activate IGN, when LED is red, remove key then remote start vehicle, blue/done.

**See BLADE guide for more detailed instructions

LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
**Rapid red flash - RX/TX issue, reverse wires, confirm 2 different keys, confirm vehicle immobilizer is operational
9x - Key in cylinder, remove and proceed

FTI-FDK1 Type 2A1

FTI-FDK1- Type 2A1 - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
SUPPORT - 1(888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	Locks	Trunk	I/O Changes
DL-FM3					**Park / Auto**			**Green White/Blue**
Ford	F-150	2011-14	Type 2	OBD-II	A	A		
Ford	F Series Super Duty	2011-16	Type 2	OBD-II	A	A		

ley! Read this stuff before you start the installation...

Firmware:
Covered vehicle uses **BLADE-AL(DL)-FM3**, flash module and update the controller firmware before installing.

Controller Configuration:
Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

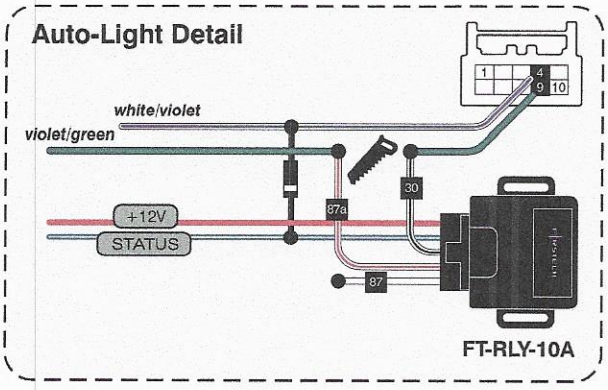
nstall:
ype 2 vehicles require cutting the FM3 TX loop near the harness BLADE connector, cut loop before programming to vehicle.

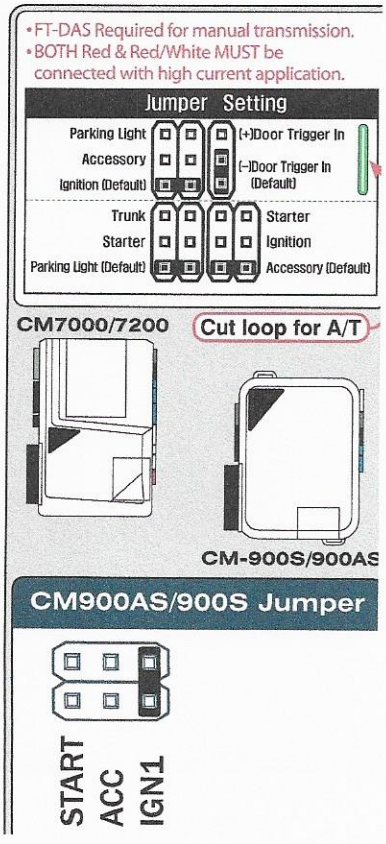
.ocks:
ype A locks at black 26-pin connector, Lock: Pin #6, ***blue/green***, Unlock: Pin #8, ***yellow/violet.***

RAP:
RAP handling, connect to driver door pin at black 26-pin BCM connector, pin#9, violet.

Auto-Lights (If equipped):
.ights (open): ***violet/green***, pin #4 of headlight switch connector (open circuit, requires relay)
.ights-off (-): ***white/violet***, pin #6 of headlight switch connector (light-off, (-) negative)

Okay, now get to work...





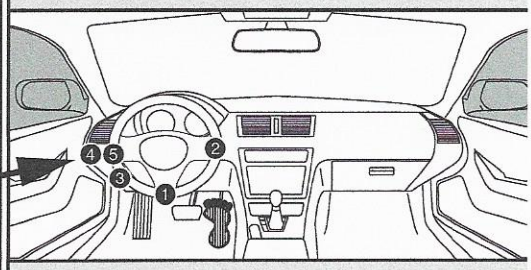
A **DL-FM3 TX loop**: DO NOT cut loop until module has been programmed to vehicle, CUT loop after programming has been completed, before first remote start attempt

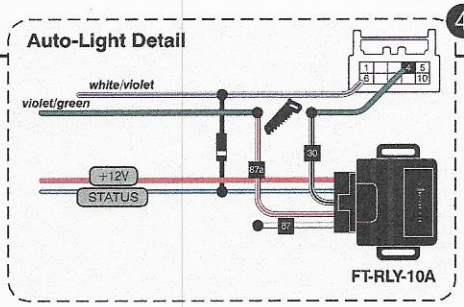
B **Immobilizer disable jumper**: DO NOT connect jumper unless vehicle is confirmed not equipped with an immobilizer system, if not equipped, connect jumper before programming attempt

C **Driver door pin**: at black 26-pin BCM connector (pin #9, ***violet***), cut and connect to harness ***white/red*** ***white/black*** to control Retained Accessory Power

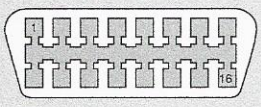
D **+ Parking lights**: If vehicle is not equipped with auto-lights, + parking lights are available at the gray 10-pin BCM connector (pin #6, ***yellow/blue***). If equipped with auto-light, see **Auto-light detail**

FIRSTECH, LLC.

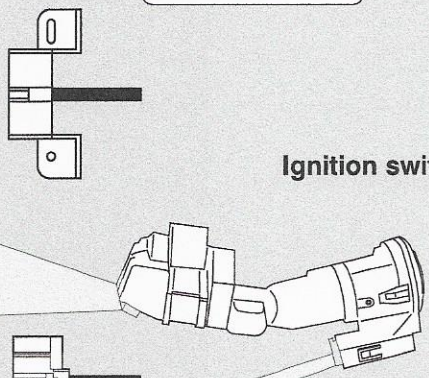




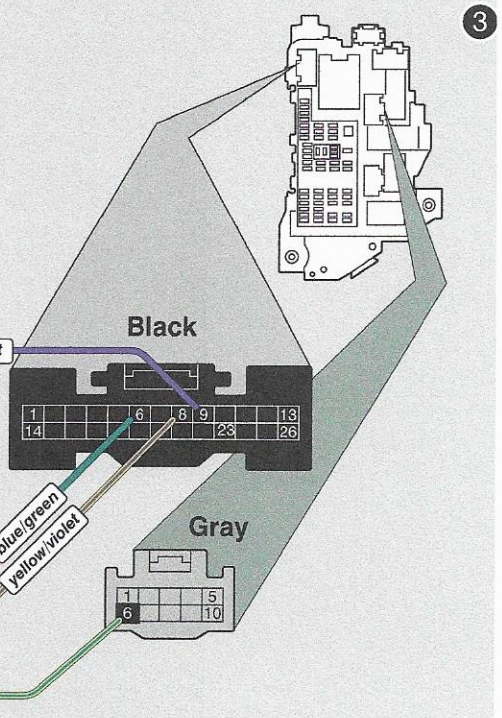
OBD-II Connector 1



Ignition switch 2



BCM 3



Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then remove key, wait until LED is off, then activate IGN with key #1, when LED is red, remove key and go to step 2.

Step 2 - Insert key #2, activate IGN, when LED is red, remove key then remote start vehicle, blue/done.

**See BLADE guide for more detailed instructions

LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
**Rapid red flash - RX/TX issue, reverse wires, confirm 2 different keys, confirm vehicle immobilizer is operational
9x - Key in cylinder, remove and proceed

FTI-FDK1 Type 2A1

SUPPORT 1(888) 800-3600 EXT 202

FTI-FDK1- Type 2C - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
SUPPORT - 1(888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	Locks	Trunk	I/O Changes
DL-FM3					**Park / Auto**			**Green White/Blue**
Ford	Flex	2013-16	Type 2	OBD-II		Type C		

Hey! Read this stuff before you start the installation...

Firmware:
Covered vehicle uses **BLADE-AL(DL)-FM3**, flash module and update the controller firmware before installing.

Controller Configuration:
Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

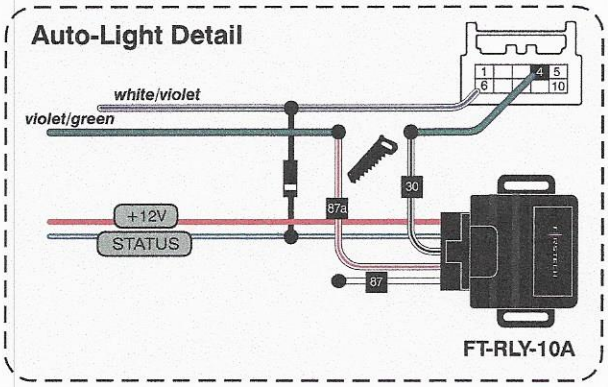
Install:
Type 2 vehicles require cutting the FM3 TX loop near the harness BLADE connector, cut loop before programming to vehicle.

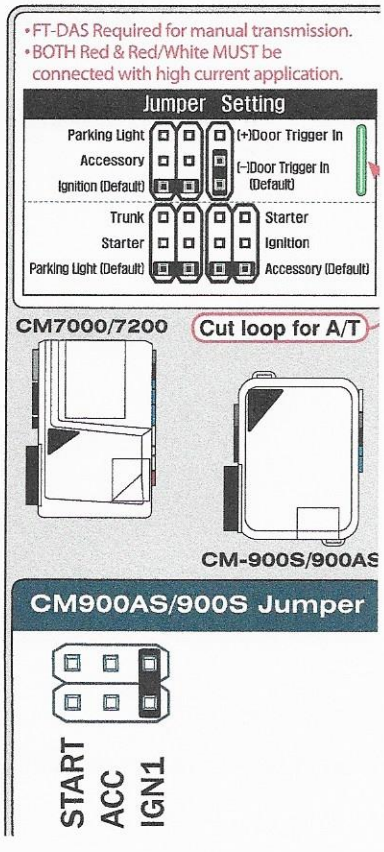
Locks:
Type C door locks at black 26-pin connector, Lock: Pin #6, ***blue***, Unlock: Pin #8, ***yellow***

RAP:
RAP handling, connect to driver door pin at black 26-pin BCM connector, pin#9, violet

Auto Lights (If equipped):
Lights (open): ***violet/green***, pin #4 of headlight switch connector (open circuit, requires relay)
Lights-off (-): ***white/violet***, pin #6 of headlight switch connector (light-off, (-) negative).

Okay, now get to work...





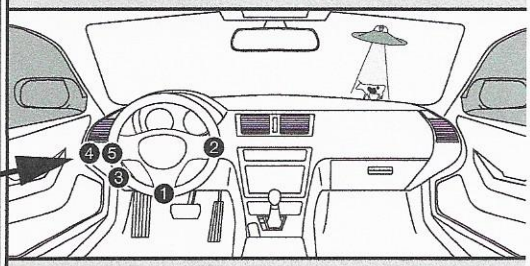
FIRSTECH, LLC.

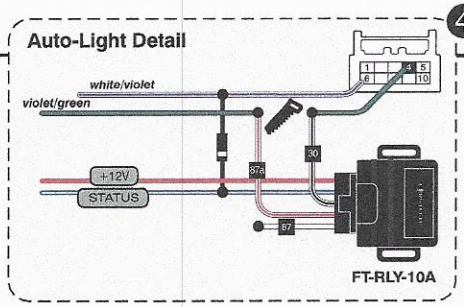
A **DL-FM3 TX loop**: DO NOT cut loop until module has been programmed to vehicle, CUT loop after programming has been completed, before first remote start attempt

B **Immobilizer disable jumper**: DO NOT connect jumper unless vehicle is confirmed not equipped with an immobilizer system, if not equipped, connect jumper before programming attempt

C **Rear hatch release**: (-) at black 26-pin BCM connector (pin #23, ***brown***), also available at hatch release switch connector (pin #6, ***gray***)

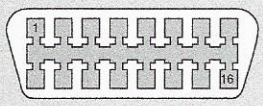
D + **Parking lights**: If vehicle is not equipped with auto-lights, + parking lights are available at the gray 10-pin BCM connector (pin #6, ***yellow/blue***). If equipped with auto-lights, see **Auto-light detail**



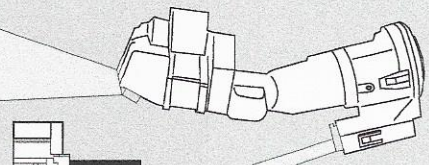


Lock
BLADE
PWR
LOCK/UNLOCK TRUNK RELEASE
RAP
A
B
DO NOT FEED until module programming is complete
DRIVER DOOR PIN
white/red
white/black
violet
(+) PARKING LIGHTS
green/white
blue/black
blue
violet/white
D
C
yellow/blue

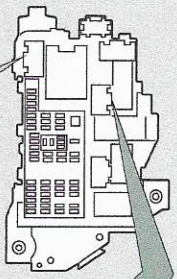
OBD-II Connector 1

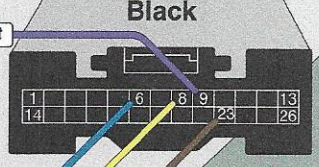


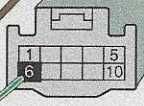
Ignition switch 2



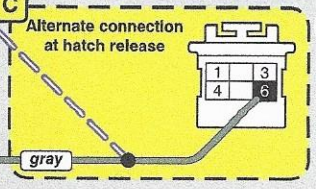
BCM 3







Hatch Release 4



Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then remove key, wait until LED is off, then activate IGN with key #1, when LED is red, remove key and go to step 2.

Step 2 - Insert key #2, activate IGN, when LED is red, remove key then remote start vehicle, blue/done.

**See BLADE guide for more detailed instructions

LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
**Rapid red flash - RX/TX issue, reverse wires, confirm 2 different keys, confirm vehicle immobilizer is operational
9x - Key in cylinder, remove and proceed

FTI-FDK1 Type 2C

FTI-FDK1 Type 2D - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
SUPPORT - 1(888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	Locks	Trunk	I/O Changes
DL-FM3					**Park / Auto**			**Green White/Blue**
Ford	Fiesta	2014-18	Type 2	OBD-II	A	D		

Hey! Read this stuff before you start the installation...

Firmware:
Covered vehicle uses **BLADE-AL(DL)-FM3** firmware, flash module and update the controller firmware before installing.

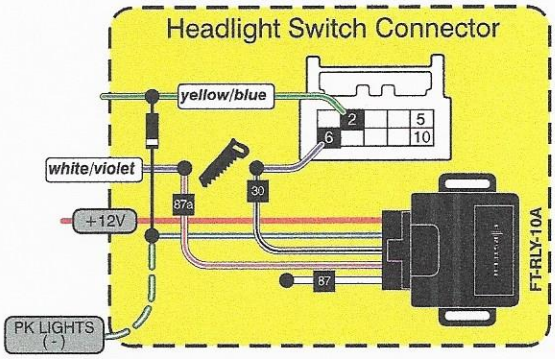
Controller Configuration:
Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

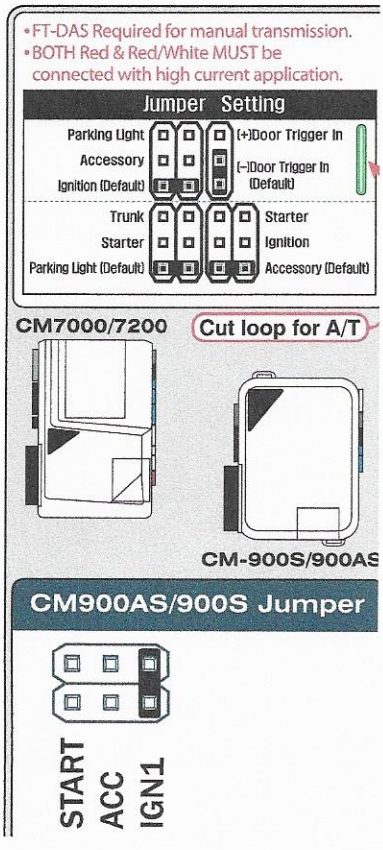
Door Locks:
Lock: ***brown/white***, pin #20, white 24-pin BCM connector
Unlock: ***blue/brown***, pin #8, gray 24-pin BCM connector
Disarm: ***violet/brown***, pin #9, gray 24-pin BCM connector

Trunk:
Trunk release is ***green/white***, pin #6, gray 24-pin BCM connector

Parking Lights: See connection detail at right.
Parking lights (-) negative: ***yellow/blue***, pin #2 at headlight switch
Lights-off (open): ***white/violet***, pin #6 at headlight switch

Okay, now get to work...





FIRSTECH, LLC.

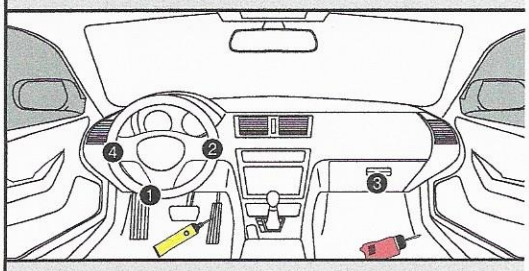
A **DL-FM3** TX loop is used in this install type if the vehicle is equipped with an active immobilizer system, do not cut until programming is complete, before first remote start attempt

B Jumper for vehicles that are not equipped with immobilizer, do not connect unless vehicle is confirmed not equipped. If vehicle is not equipped, connect before programming to skip immobilizer learn

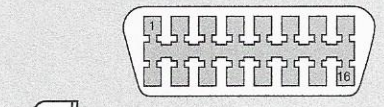
C Unlock and disarm connections located in the 24-pin BCM connector, **unlock** is ***blue/brown***, pin #8, **disarm** is ***violet/brown***, pin #9, diode isolate wires from each other as illustrated below an note C

D RAP control, cut driver door pin (pin#10, ***green/violet***, GRAY 24-pin BCM connector, connect to harness ***white/black*** and ***white/red*** wires. Trunk release ***green/white*** (pin #20, GRAY 24-pin at BCM)

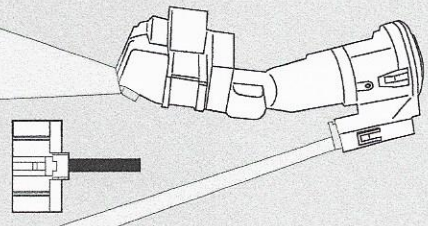
E Parking light (-) at 10-pin headlight switch connector, connect as indicated in diagram E below (lights: pin #2, ***yellow/blue***, lights-off: pin #6, ***white/violet***)



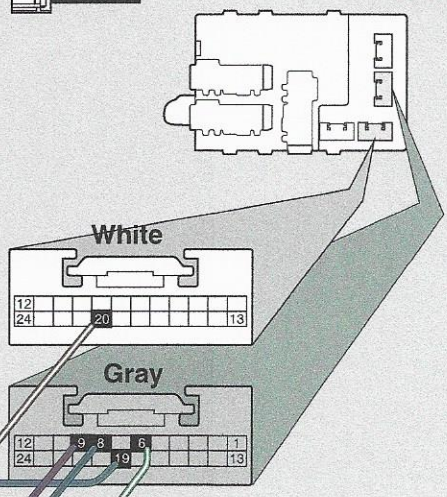
OBD-II Connector 1



Ignition switch 2

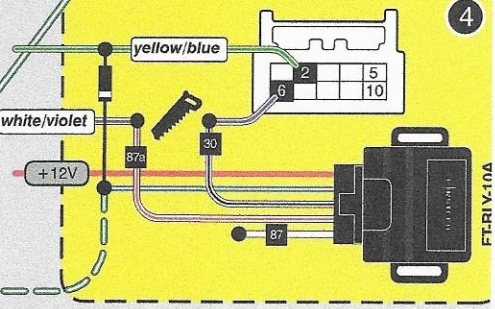


BCM 3



Lock
BLADE
PWR
PK LIGHTS (-)
RAP
LOCK/UNLOCK TRUNK RELEASE
A
B
C
D
E
DRIVER DOOR PIN
white/red
white/black
green/violet
(+) PARKING LIGHTS
green/white
blue/black
violet/white
blue
brown/white
violet/brown
blue/brown
green/white
green/white

Headlight Switch 4



FTI-RLY-10A

LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
6x - KLON error, check RX/TX wiring, confirm pin positions
7x - KLON error, process failed, reset module and start over
8x - Encryption error, confirm key encryption, 80 bit detected

Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then key off/on

Step 2 - If LED goes blue, you're done, if red, insert key #2 and activate IGN, when LED is red, remove key, press module button, and remote start vehicle, blue/done.

FTI-FDK1 Type 2D

FTI-FDK1 Type 2E - Vehicle Coverage & Preparation Notes

FIRSTECH, LLC.
SUPPORT - 1(888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	Locks	Trunk	I/O Changes
DL-FM3					**Park / Auto**			**Green White/Blue**
Ford	Transit	2015-18	Type 2	OBD-II	E	A		

Hey! Read this stuff before you start the installation...

Firmware:
Vehicle required **BLADE-AL(DL)-FM3**, flash module and update the controller firmware before installing. Be advised that most trim levels of the Transit do not have an active immobilizer system, confirm whether vehicle is equipped before installation.

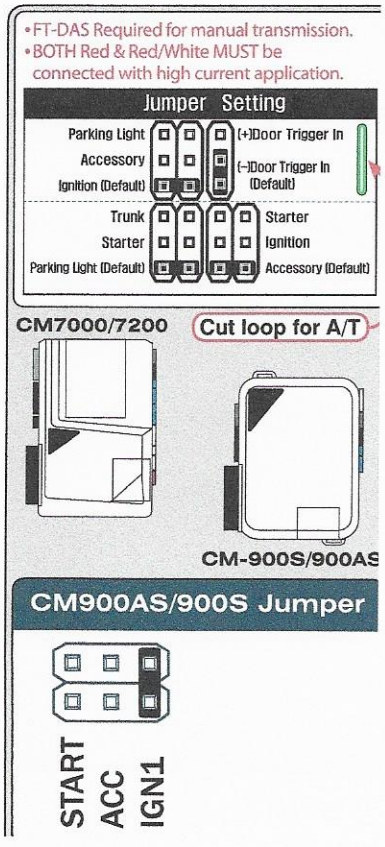
Controller Configuration:
Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

Locks:
Door lock connections are at the BCM, **brown** 67-pin connector.
Lock: ***gray/yellow***, pin #25
Unlock: ***violet/gray***, pin #56

Parking lights:
Vehicle has four (4) independent circuits that are required, ***brown/yellow***, pin #66, ***white/orange***, pin #67 of the 76-pin connector, ***green/orange***, pin #14, and ***violet/green***, pin #15 of the 46-pin connector at the BCM.

Immobilizer:
If not equipped, connect immobilizer delete provision on the harness before attempting to program module to vehicle.

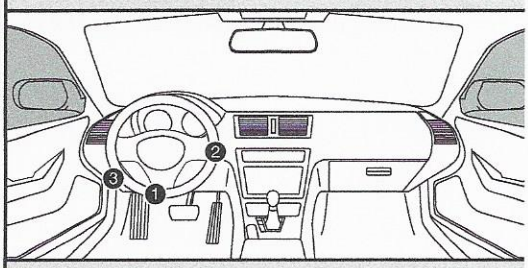
Okay, now get to work...

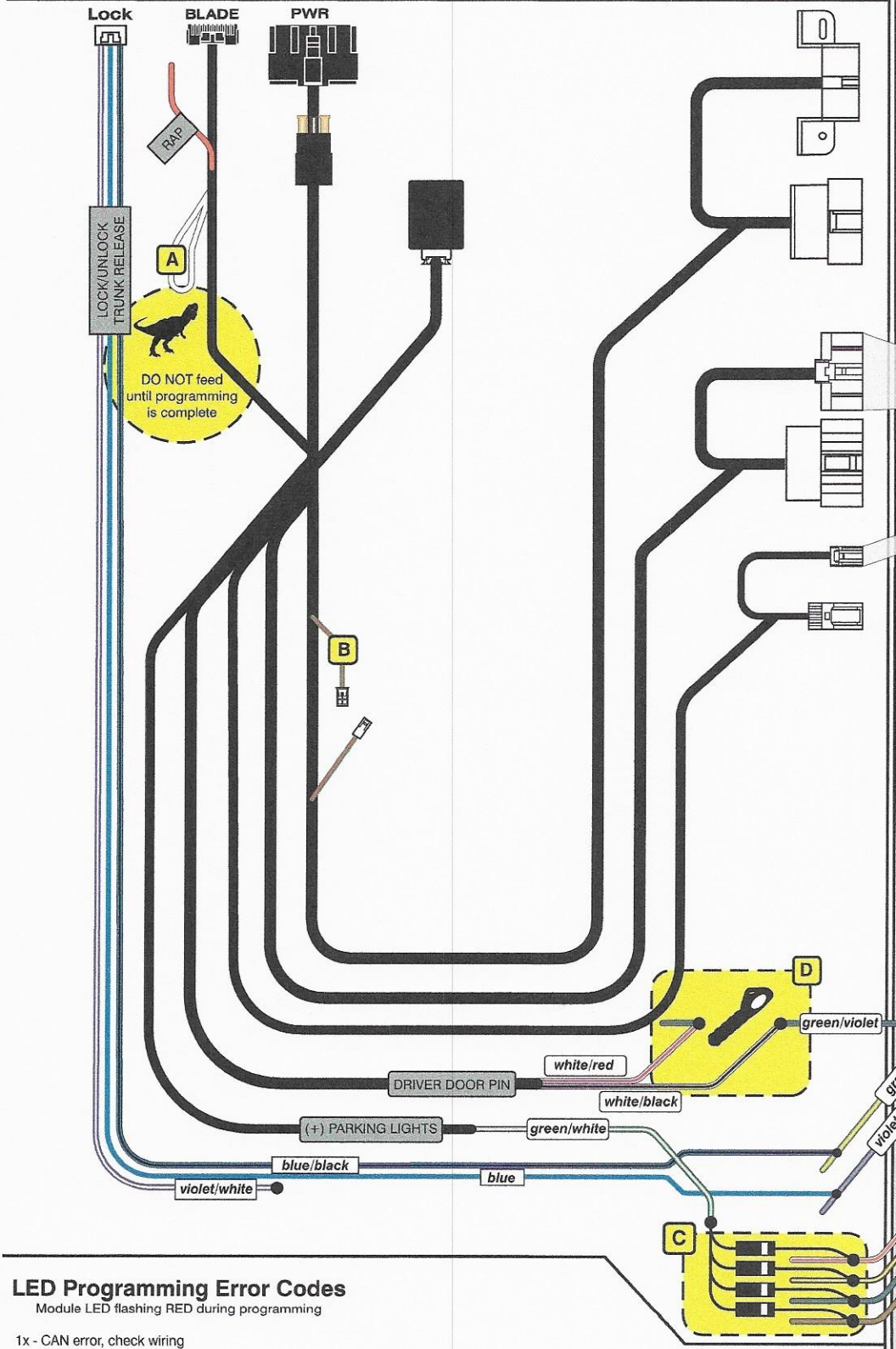


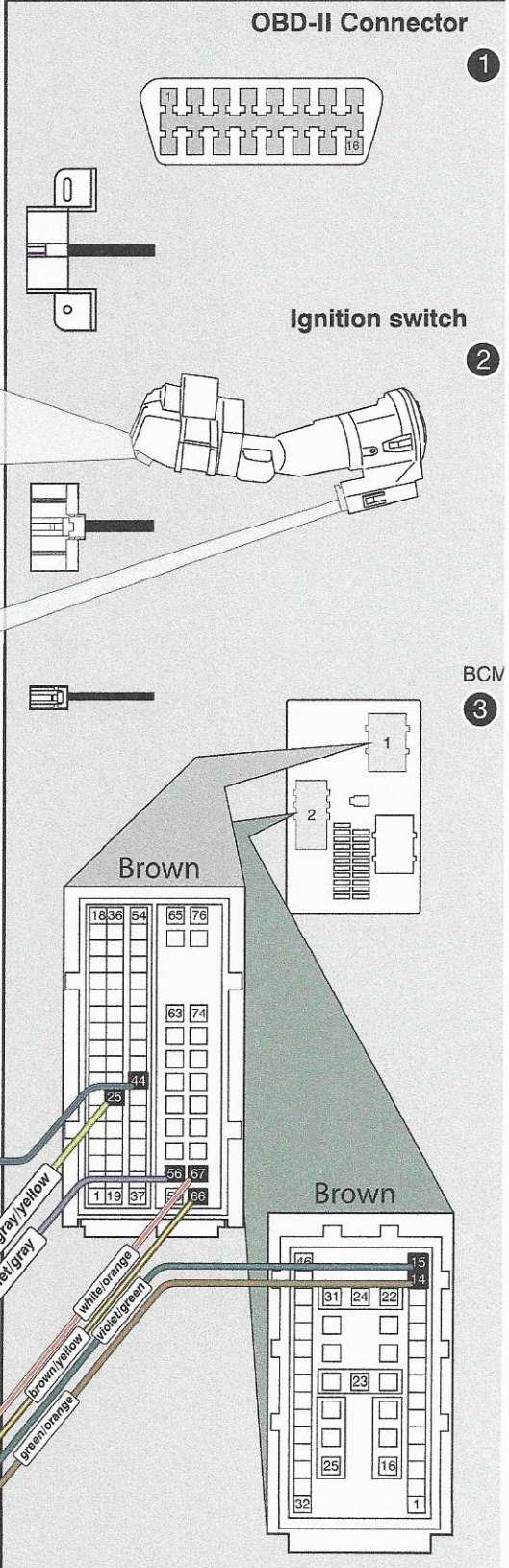
A DL-FM3 TX loop, do not cut until module has been programmed, and only if the vehicle is equipped with an active immobilizer system. Confirm equipment and active state before attempting to program

B Immobilizer disable provision, connect if vehicle is confirmed to not have an active immobilizer system. When required, connection should be made before attempting to program

C Parking lights require interfacing with four (4) independent circuits at the BCM, diode isolate, cathode toward factory wire.
Front Rear - ***brown/yellow***, pin #66 of brown 76-pin connector at BCM
Right Rear - ***white/orange***, pin #67 of brown 76-pin connector at BCM
Front Left - ***green/orange***, pin #14 of brown 46-pin connector at BCM
Rear Left - ***violet/green***, pin #15 of brown 46-pin connector at BCM







LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
6x - KLON error, check RX/TX wiring, confirm pin positions
7x - KLON error, process failed, reset module and start over
8x - Encryption error, confirm key encryption, 80 bit detected

Module Programming Procedure

Step 1 - Key #1 in activate IGN, if LED goes blue, you're done if LED goes red, wait until flashes blue then key off/on
Step 2 - If LED goes blue, you're done, if red, insert key #2 and activate IGN, when LED is red, remove key, press module button, and remote start vehicle, blue/done.

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