



## INSTALL GUIDE

### COM-FO(RS)-FO1A-EN

**DOCUMENT NUMBER**  
11316

**REVISION DATE**  
20130415

**FIRMWARE**  
COM-FO(RS)-FO1A

**HARDWARE**  
T-FO1-1WG6

**ACCESSORIES**  
ADS-USB (REQUIRED)  
DRONE MOBILE DR-2000 (OPTIONAL)

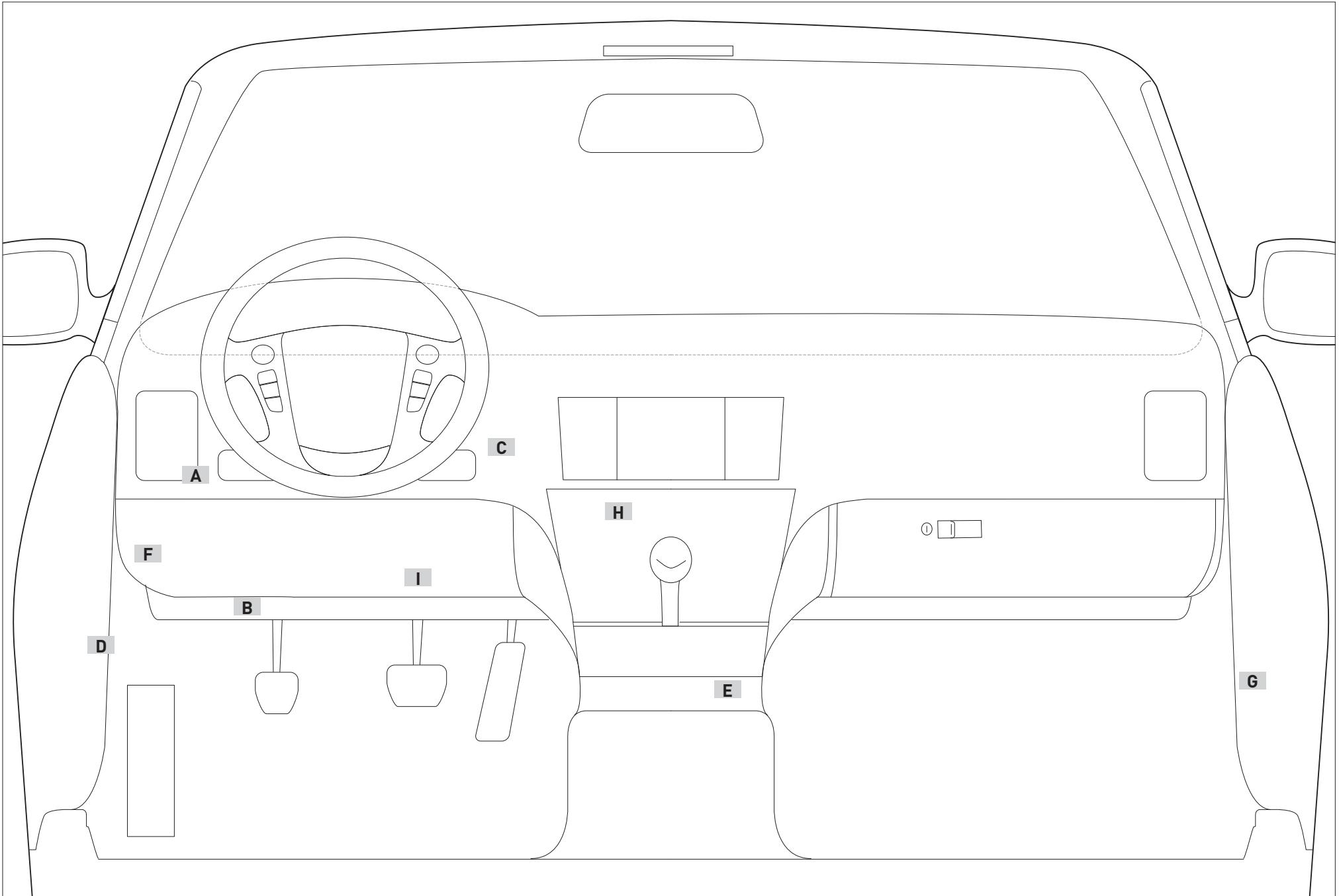
**NOTICE** The manufacturer will accept no responsibility for any electrical damage resulting from improper installation of this product, be that either damage to the vehicle itself or to the installed device. This device must be installed by a certified technician. Please review the Installation Guide carefully before beginning any work.



#### **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)

MAKE	MODEL	YEAR	INSTALL TYPE	FEATURES													
				DATA IMMOBILIZER BYPASS	OEM KEYLESS START	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	TRUNK/HATCH RELEASE	POWER LIFTGATE	RAP SHUTDOWN	HOOD STATUS (W/OEM SW)	DOOR STATUS	BRAKE STATUS	TACH STATUS	PARKING LIGHT CTRL
FORD	Edge STD key AT	07-10	1	•	•	•	•	•	•		•	•	•	•	•	•	•
	Escape / Hybrid STD key AT	08-12	1	•	•	•	•	•	•			•	•	•	•	•	•
	Explorer STD key AT	06-10	3	•	•	•	•	•	•			•	•	•	•	•	•
	Fiesta STD key AT	11-13	4	•		•	•	•	•	•	•		•	•	•	•	•
	Flex STD key AT	09-12	1	•	•	•	•	•	•		•	•	•	•	•	•	•
	Focus STD key AT	08-11	5	•	•	•	•	•	•	•		•	•	•	•	•	•
	Fusion STD key AT	06-09	2	•	•	•	•	•	•	•		•	•	•	•	•	•
	Fusion STD key AT	10-12	1	•	•	•	•	•	•	•		•	•	•	•	•	•
	Mustang Convertible / Coupe STD key AT	10-13	5	•	•	•	•	•	•	•		•	•	•	•	•	•
	SportTrac STD key AT	07-10	3	•	•	•	•	•	•			•	•	•	•	•	•
	Taurus STD key AT	08-12	1	•	•	•	•	•	•	•		•	•	•	•	•	•
	Taurus X STD key AT	08-09	1	•	•	•	•	•	•		•	•	•	•	•	•	•
	LINCOLN	MKS STD key AT	09-12	1	•	•	•	•	•	•	•		•	•	•	•	•
MKX STD key AT		07-10	1	•	•	•	•	•	•		•	•	•	•	•	•	
MKZ STD key AT		07-09	2	•	•	•	•	•	•	•		•	•	•	•	•	
MKZ / Hybrid STD key AT		10-12	1	•	•	•	•	•	•	•		•	•	•	•	•	
Zephyr STD key AT		06	2	•	•	•	•	•	•	•		•	•	•	•	•	
MAZDA	Tribute STD key AT	08-12	1	•	•	•	•	•	•			•	•	•	•	•	
MERCURY	Mariner / Hybrid STD key AT	08-10	1	•	•	•	•	•	•			•	•	•	•	•	
	Milan STD key AT	06-09	2	•	•	•	•	•	•	•		•	•	•	•	•	
	Milan / Hybrid STD key AT	10	1	•	•	•	•	•	•	•		•	•	•	•	•	
	Mountaineer STD key AT	06-10	3	•	•	•	•	•	•			•	•	•	•	•	
	Sable STD key AT	08-10	1	•	•	•	•	•	•	•		•	•	•	•	•	



01



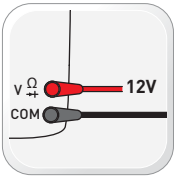
Check vehicle battery voltage.

02



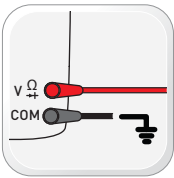
Set multimeter to DC volts. Connect RED test probe to Voltage (+) input. Connect BLACK test probe to Common (-) input.

03



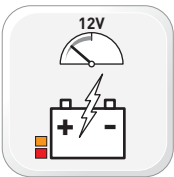
Put RED test probe tip on 12V (+).

04



Put BLACK test probe tip on ground (-).

05



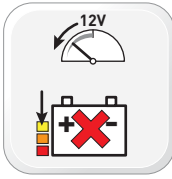
If multimeter reads under 12V (+), charge vehicle battery.

06



If vehicle battery doesn't get a 12V (+) reading when tested, verify cables, fuses and equipment.

07



If vehicle battery doesn't hold charge, change the battery.

>>



NOTE: Multimeter must read approximately 12V (+) and remains stable.

08



Equipment testing procedure completed.

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR	
FORD	Edge STD key AT	07-10	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	D
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	D
			Lock	C2280C	Gray	26 pin	17	Gray/Yellow		(-)	BCM, driver side dash	D
			Unlock	C2280C	Gray	26 pin	04	Purple/Gray		(-)	BCM, driver side dash	D
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	D
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	D
			Trunk Release	C2269	Black	6 pin	05	Gray/Yellow		(-)	At liftgate switch on driver side dash	A
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	D
			Auto Light	C205	Gray	10 pin	09	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	04	White/Purple		(-)	Headlight switch	A
	Escape Hybrid STD key AT	08-12	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Brown		(-)	BCM, center console towards the passenger side	E
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, center console towards the passenger side	E
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, center console towards the passenger side	E
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, center console towards the passenger side	E
			Trunk Release	~	~	~	~	~	~	~	~	~
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, center console towards the passenger side	E
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	09	White/Purple		(-)	Headlight switch	A
	Escape STD key AT	08-12	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Brown		(-)	BCM, center console towards the passenger side	E
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, center console towards the passenger side	E
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, center console towards the passenger side	E
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, center console towards the passenger side	E
			Trunk Release	~	~	~	~	~	~	~	~	~
Parking Light			C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, center console towards the passenger side	E	
Auto Light			C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A	
Light Off			C205	Gray	10 pin	09	White/Purple		(-)	Headlight switch	A	

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR	
FORD	Flex STD key AT	09-12	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	B
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	B
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	B
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	B
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	B
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	B
			Trunk Release	C2269	Black	6 pin	06	Gray/Yellow		(-)	At liftgate switch on driver side dash	A
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	B
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A
	Fusion Hybrid STD key AT	10-12	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, driver side dash	F
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A
	Fusion STD key AT	10-12	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, driver side dash	F
Parking Light			C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F	
Auto Light			C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A	
Light Off			C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A	

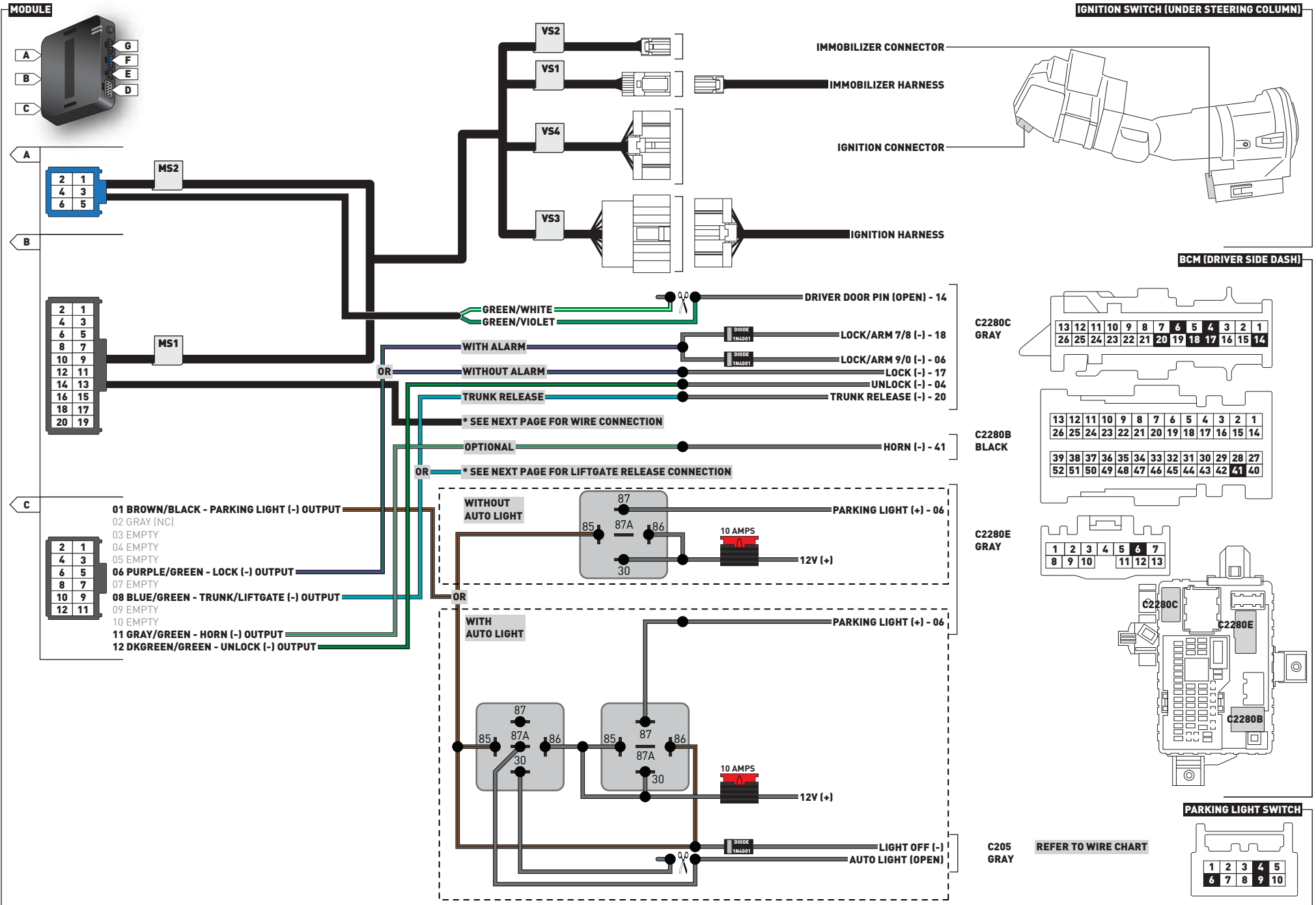
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR	
FORD	Taurus STD key AT	08-12	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, driver side dash	F
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
	Light Off	C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A		
	Taurus X STD key AT	08-09	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2114	Black	12 pin	10	Gray/Yellow		(-)	At switch in center dash	H
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F
Auto Light			C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A	
Light Off	C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A			
LINCOLN	MKS STD key AT	09-12	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, driver side dash	F
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	09	White/Purple		(-)	Headlight switch	A

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR	
LINCOLN	MKX STD key AT	07-10	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	D
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	D
			Lock	C2280C	Gray	26 pin	17	Gray/Yellow		(-)	BCM, driver side dash	D
			Unlock	C2280C	Gray	26 pin	04	Purple/Gray		(-)	BCM, driver side dash	D
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	D
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	D
			Trunk Release	C2269	Black	6 pin	05	Gray/Yellow		(-)	At liftgate switch on driver side dash	A
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	D
			Auto Light	C205	Gray	10 pin	09	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	04	White/Purple		(-)	Headlight switch	A
	MKZ Hybrid STD key AT	10-12	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, driver side dash	F
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A
	MKZ STD key AT	10-12	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, driver side dash	F
Parking Light			C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F	
Auto Light			C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A	
Light Off			C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A	

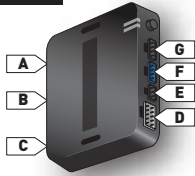


MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR	
MAZDA	Tribute STD key AT	08-12	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Brown		(-)	BCM, center console towards the passenger side	E
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, center console towards the passenger side	E
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, center console towards the passenger side	E
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, center console towards the passenger side	E
			Trunk Release	~	~	~	~	~	~	~	~	~
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, center console towards the passenger side	E
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	09	White/Purple		(-)	Headlight switch	A
MERCURY	Mariner Hybrid STD key AT	08-10	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Brown		(-)	BCM, center console towards the passenger side	E
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, center console towards the passenger side	E
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, center console towards the passenger side	E
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, center console towards the passenger side	E
			Trunk Release	~	~	~	~	~	~	~	~	
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, center console towards the passenger side	E
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	09	White/Purple		(-)	Headlight switch	A
	Mariner STD key AT	08-10	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Brown		(-)	BCM, center console towards the passenger side	E
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, center console towards the passenger side	E
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, center console towards the passenger side	E
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, center console towards the passenger side	E
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, center console towards the passenger side	E
			Trunk Release	~	~	~	~	~	~	~	~	
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, center console towards the passenger side	E
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	09	White/Purple		(-)	Headlight switch	A

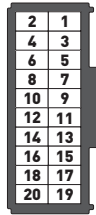
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR	
MERCURY	Milan Hybrid STD key AT	10	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, driver side dash	F
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A
	Milan STD key AT	10	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, driver side dash	F
			Parking Light	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A
	Sable STD key AT	08-10	CanH	C251	Black	16 pin	03	Gray/Orange		[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange		[DATA]	OBDII connector	B
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Gray	26 pin	18	Purple/Green		(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Gray	26 pin	06	Yellow/Green		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, driver side dash	F
Parking Light			C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F	
Auto Light			C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A	
Light Off			C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A	



**MODULE**



**B**

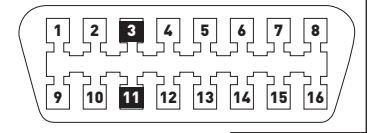


MS1

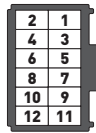
\* SEE PREVIOUS PAGE FOR WIRE CONNECTION



**OBDII**



**C**



- 01 BROWN/BLACK - PARKING LIGHT (-) OUTPUT \* SEE PREVIOUS PAGE FOR WIRE CONNECTION
- 02 GRAY (NC)
- 03 EMPTY
- 04 EMPTY
- 05 EMPTY
- 06 PURPLE/GREEN - LOCK (-) OUTPUT \* SEE PREVIOUS PAGE FOR WIRE CONNECTION
- 07 EMPTY
- 08 BLUE/GREEN - TRUNK/LIFTGATE (-) OUTPUT \* SEE PREVIOUS PAGE FOR TRUNK RELEASE CONNECTION
- 09 EMPTY
- 10 EMPTY
- 11 GRAY/GREEN - HORN (-) OUTPUT \* SEE PREVIOUS PAGE FOR WIRE CONNECTION
- 12 DKGREEN/GREEN - UNLOCK (-) OUTPUT \* SEE PREVIOUS PAGE FOR WIRE CONNECTION

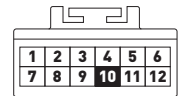
REFER TO WIRE CHART

OR

LIFTGATE RELEASE (-)

**LIFTGATE SWITCH**

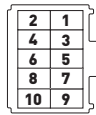
C2114 - BLACK



C2269 - BLACK



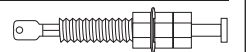
**D**



- 03 GRAY/BLACK (NC)
- 04 GRAY/WHITE - HOOD STATUS (-) INPUT

WITHOUT OEM HOOD SWITCH:  
INSTALL AND CONNECT TO  
AFTERMARKET HOOD SWITCH

**AFTERMARKET HOOD SWITCH (-)**



**F**



**TELEMATIC**

**G**



CONNECT WITH  
BLUE HARNESS ONLY

(NC) RED  
(NC) BLACK



RF DECODER

FLASH RF DECODER  
BEFORE INSTALLATION

CONNECT WITH  
BLACK HARNESS ONLY



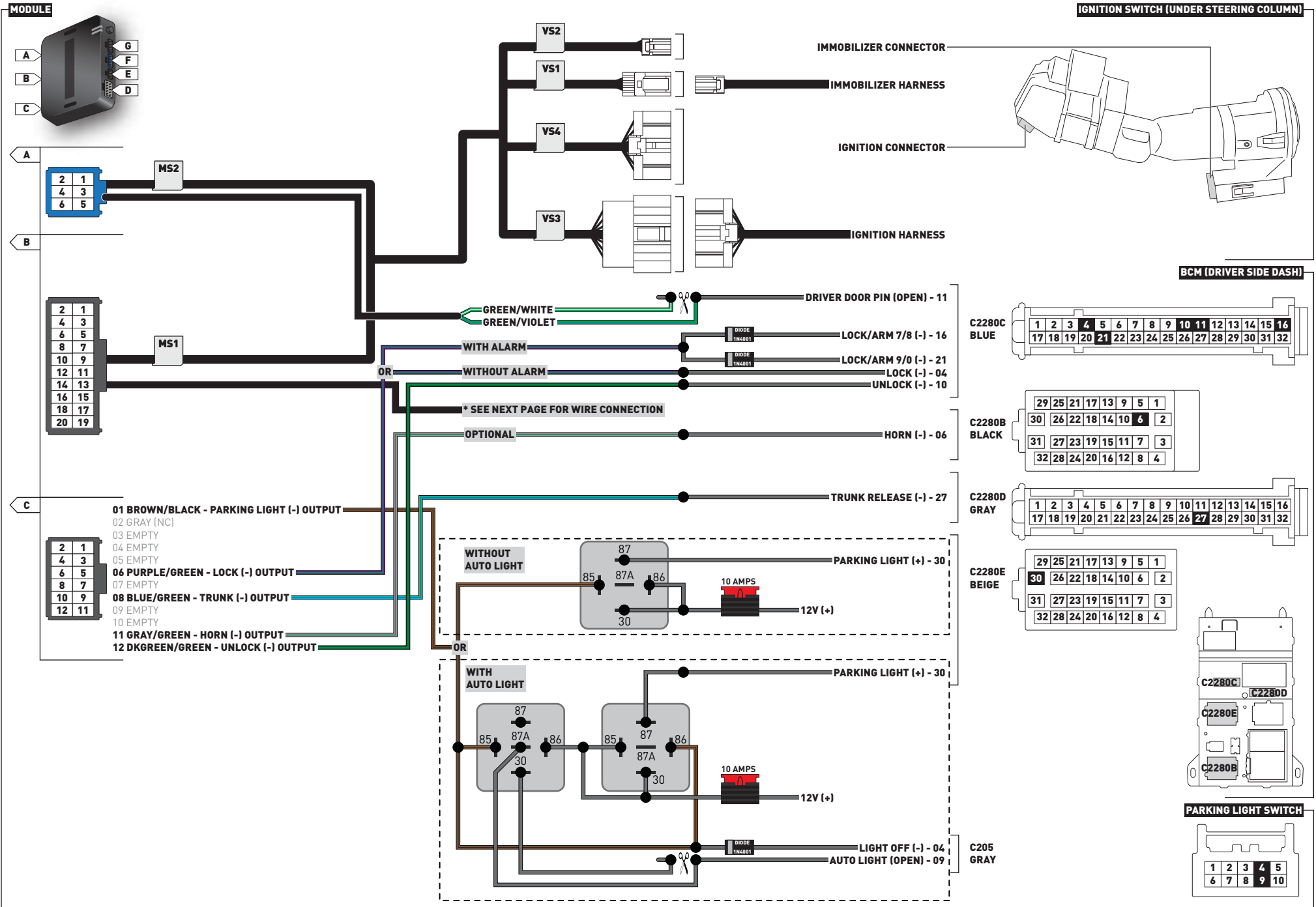
**RF KIT**

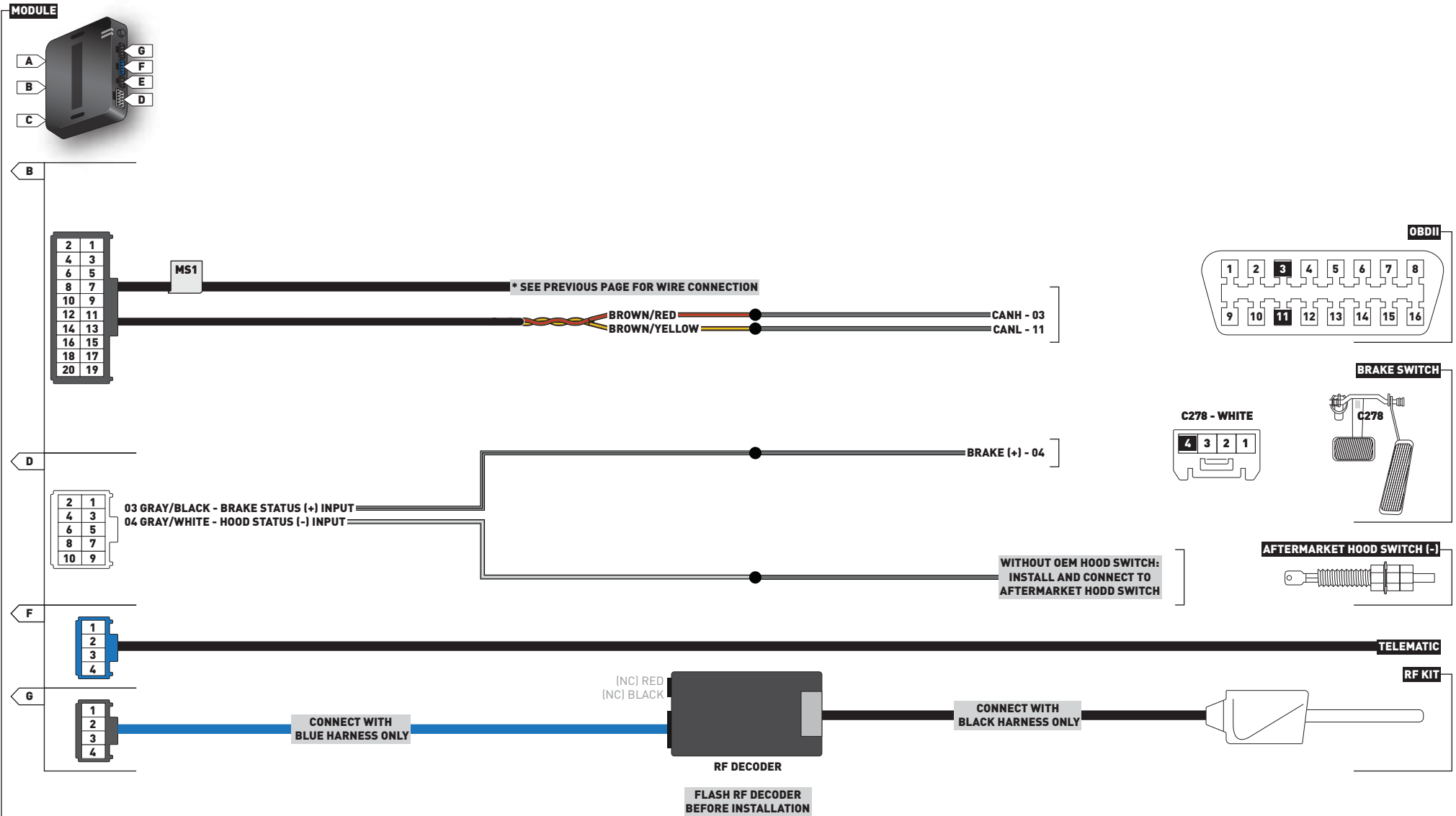
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Fusion STD key AT	06-09	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B
			Brake	C278	White	04 pin	04	Purple/White	(+)	At brake pedal	I
			Horn	C2280B	Black	32 pin	06	Blue/White	(-)	BCM, driver side dash*	F
			Driver Door Pin	C2280C	Blue	32 pin	11	Green/Purple	[OPEN]	BCM, driver side dash	F
			Lock	C2280C	Blue	32 pin	04	Gray/Yellow	(-)	BCM, driver side dash	F
			Unlock	C2280C	Blue	32 pin	10	Purple/Gray	(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Blue	32 pin	16	Purple/Green	(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Blue	32 pin	21	Yellow/Green	(-)	BCM, driver side dash	F
			Trunk Release	C2280D	Gray	32 pin	27	Brown	(-)	BCM, driver side dash	F
			Parking Light	C2280E	Beige	32 pin	30	Gray/Yellow	(+)	BCM, driver side dash*	F
			Auto Light	C205	Gray	10 pin	09	Purple/Green	[OPEN]	Headlight switch	A
			Light Off	C205	Gray	10 pin	04	White/Purple	(-)	Headlight switch	A
LINCOLN	MKZ STD key AT	07-09	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B
			Brake	C278	White	04 pin	04	Purple/White	(+)	At brake pedal	I
			Horn	C2280B	Black	32 pin	06	Blue/White	(-)	BCM, driver side dash*	F
			Driver Door Pin	C2280C	Blue	32 pin	11	Green/Purple	[OPEN]	BCM, driver side dash	F
			Lock	C2280C	Blue	32 pin	04	Gray/Yellow	(-)	BCM, driver side dash	F
			Unlock	C2280C	Blue	32 pin	10	Purple/Gray	(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Blue	32 pin	16	Purple/Green	(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Blue	32 pin	21	Yellow/Green	(-)	BCM, driver side dash	F
			Trunk Release	C2280D	Gray	32 pin	27	Brown	(-)	BCM, driver side dash	F
			Parking Light	C2280E	Beige	32 pin	30	Gray/Yellow	(+)	BCM, driver side dash*	F
			Auto Light	C205	Gray	10 pin	09	Purple/Green	[OPEN]	Headlight switch	A
			Light Off	C205	Gray	10 pin	04	White/Purple	(-)	Headlight switch	A

\* WARNING: Multiple wires with the same color on the connector. Verify pin location and test wire.

MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
LINCOLN	Zephyr STD key AT	06	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B
			Brake	C278	White	04 pin	04	Purple/White	(+)	At brake pedal	I
			Horn	C2280B	Black	32 pin	06	Blue/White	(-)	BCM, driver side dash*	F
			Driver Door Pin	C2280C	Blue	32 pin	11	Green/Purple	[OPEN]	BCM, driver side dash	F
			Lock	C2280C	Blue	32 pin	04	Gray/Yellow	(-)	BCM, driver side dash	F
			Unlock	C2280C	Blue	32 pin	10	Purple/Gray	(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Blue	32 pin	16	Purple/Green	(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Blue	32 pin	21	Yellow/Green	(-)	BCM, driver side dash	F
			Trunk Release	C2280D	Gray	32 pin	27	Brown	(-)	BCM, driver side dash	F
			Parking Light	C2280E	Beige	32 pin	30	Gray/Yellow	(+)	BCM, driver side dash*	F
			Auto Light	C205	Gray	10 pin	09	Purple/Green	[OPEN]	Headlight switch	A
			Light Off	C205	Gray	10 pin	04	White/Purple	(-)	Headlight switch	A
MERCURY	Milan STD key AT	06-09	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B
			Brake	C278	White	04 pin	04	Purple/White	(+)	At brake pedal	I
			Horn	C2280B	Black	32 pin	06	Blue/White	(-)	BCM, driver side dash*	F
			Driver Door Pin	C2280C	Blue	32 pin	11	Green/Purple	[OPEN]	BCM, driver side dash	F
			Lock	C2280C	Blue	32 pin	04	Gray/Yellow	(-)	BCM, driver side dash	F
			Unlock	C2280C	Blue	32 pin	10	Purple/Gray	(-)	BCM, driver side dash	F
			Lock/Arm 7/8	C2280C	Blue	32 pin	16	Purple/Green	(-)	BCM, driver side dash	F
			Lock/Arm 9/0	C2280C	Blue	32 pin	21	Yellow/Green	(-)	BCM, driver side dash	F
			Trunk Release	C2280D	Gray	32 pin	27	Brown	(-)	BCM, driver side dash	F
			Parking Light	C2280E	Beige	32 pin	30	Gray/Yellow	(+)	BCM, driver side dash*	F
			Auto Light	C205	Gray	10 pin	09	Purple/Green	[OPEN]	Headlight switch	A
			Light Off	C205	Gray	10 pin	04	White/Purple	(-)	Headlight switch	A

\* WARNING: Multiple wires with the same color on the connector. Verify pin location and test wire.







01 Turn key to ON position.



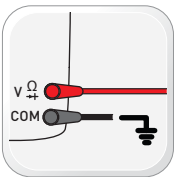
02 Activate E-brake.



03 Set multimeter to DC volts. Connect RED test probe to Voltage (+) input. Connect BLACK test probe to Common (-) input.



04 Put BLACK test probe tip on GROUND (-).



05 See "Testing Reference", identify the wire to test under "Wire Description".



06 See "Wire Chart", identify the wire color and location of the wire listed under "Wire description".



07 Locate potential wires that correspond to the wire listed under "Wire Description" in terms of wire color and location.



08 Test each wire individually.



09 Put RED test probe tip on the wire to test.



10 See "Testing Reference". Apply "Test 1 setting" and verify "Test 1 Reading".



11 See "Testing Reference". Apply "Test 2 setting" and verify "Test 2 Reading".



>> If the multimeter reading DOES NOT match, repeat steps 9 to 12 with another potential wire to get a reading match.



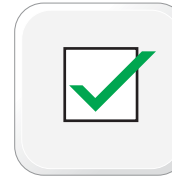
12 Connect the wire listed under "Wire Description" as shown in the "Wiring Diagram".



13 Repeat steps 5 to 13 with every wire listed under "Wire Description" of the "Testing Reference".

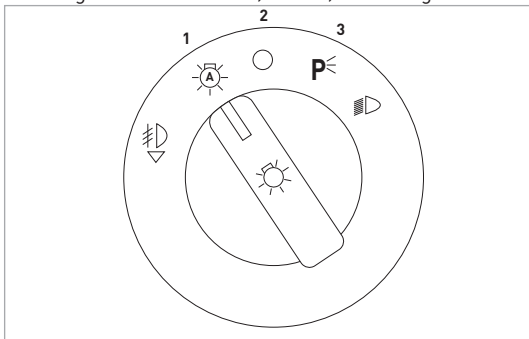


14 Testing Procedure completed.

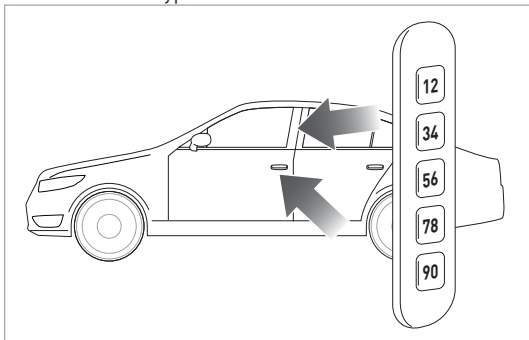


TESTING REFERENCE: NOTES	WIRE DESCRIPTION	TEST ITEM	TEST 1 SETTING	TEST 1 READING	TEST 2 SETTING	TEST 2 READING
I WARNING: Read and follow both the "Equipment Testing" section and the "Wire Testing" section before installing.	Auto Light	Headlight switch*	AUTO	0V	OFF	12V+
	Light Off	Headlight switch*	OFF	0V	AUTO	12V+
	Parking Light	Headlight switch*	OFF	0V	Parking	12V+
	Brake	Brake Pedal	Disable	0V	Enable	12V+
	Horn	Horn Trigger	Enable	0V	Disable	12V+
	Driver Door Pin	Driver Door	Close	0V	Open	12V+
	Unlock	Driver Door "Unlock" Button	Enable	0V	Disable	12V+
	Lock	Driver Door "Lock" Button	Enable	0V	Disable	12V+
	Lock/Arm 7/8	Driver Door Keypad "7/8" Button**	Enable	0V	Disable	12V+
	Lock/Arm 9/0	Driver Door Keypad "9/0" Button**	Enable	0V	Disable	12V+

\*Headlight switch: 1-AUTO; 2-OFF; 3-Parking.



\*\*Driver Door Keypad.

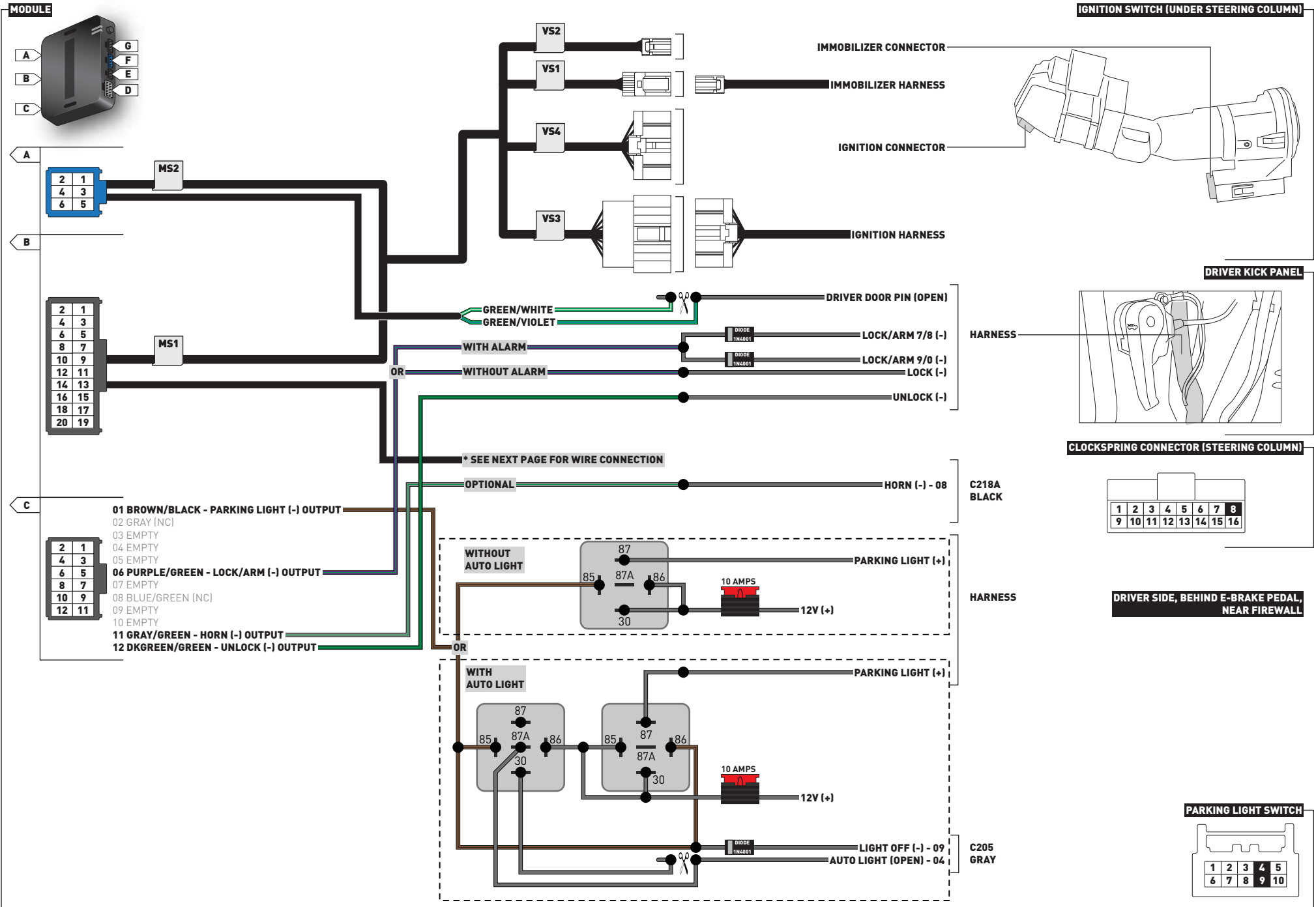


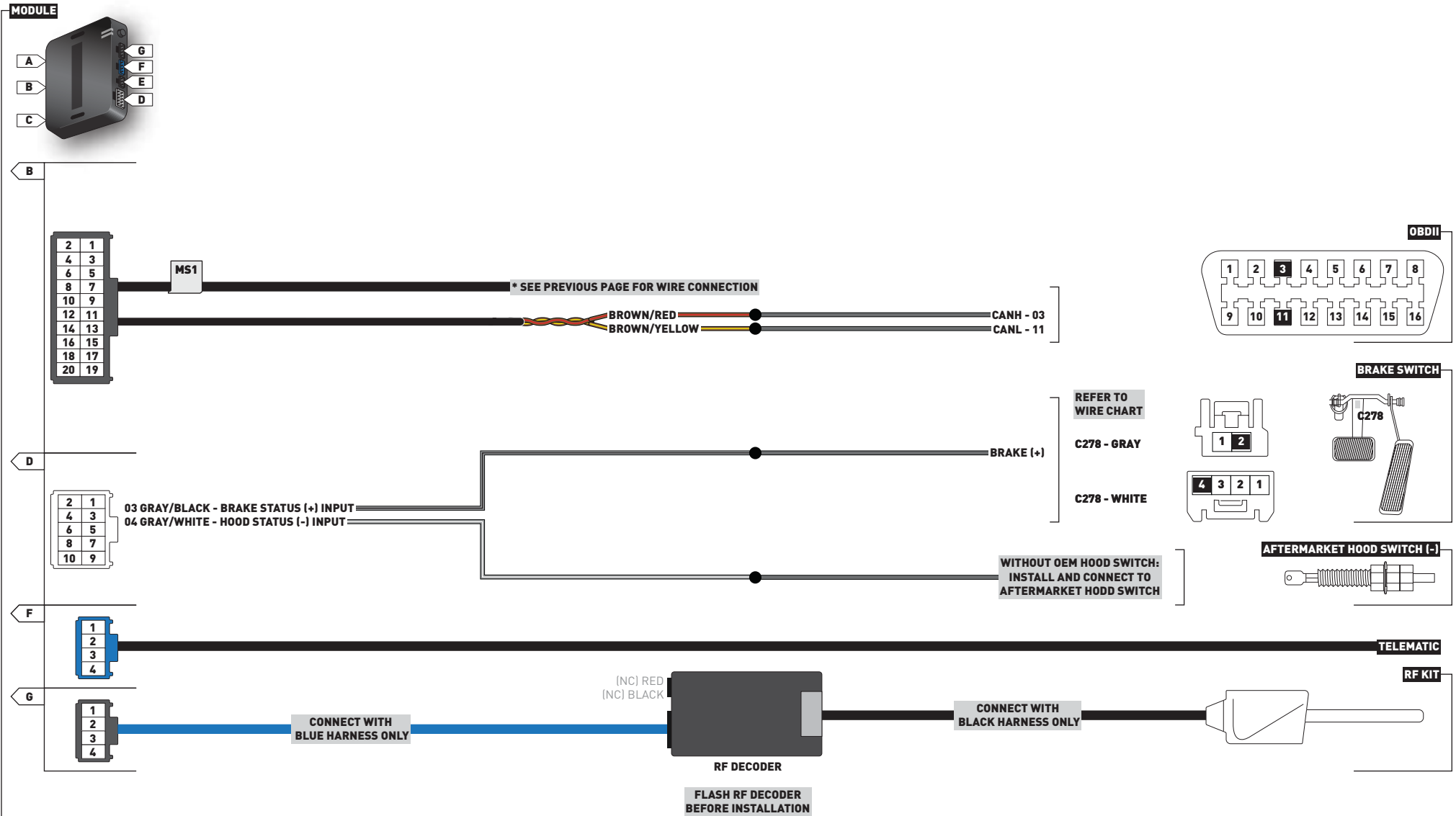
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Explorer STD key AT	06-08	Auto Light	C205	Gray	10 pin	04	Purple/Green	(OPEN)	Headlight switch	A
			Brake	C278	Gray	02 pin	02	Purple/White	(+)	At brake pedal	I
			CanH	C251	Black	16 pin	03	Gray/Orange	(DATA)	OBDI connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	(DATA)	OBDI connector	B
			Driver Door Pin	~	~	~	~	Green/Purple	(OPEN)	Driver kick panel*	D
			Horn	C218A	Black	16 pin	08	Blue/White	(-)	Clockspring connector, steering column	K
			Light Off	C205	Gray	10 pin	09	White/Purple	(-)	Headlight switch	A
			Lock	~	~	~	~	Gray/Yellow	(-)	Driver kick panel*	D
			Lock/Arm 7/8	~	~	~	~	Yellow/Green	(-)	Driver kick panel*	D
			Lock/Arm 9/0	~	~	~	~	Purple/Green	(-)	Driver kick panel*	D
			Parking Light	~	~	~	~	Blue/White	(+)	Harness near firewall, driver side*	L
			Unlock	~	~	~	~	Purple/Gray	(-)	Driver kick panel*	D
	Explorer STD key AT	09-10	Auto Light	C205	Gray	10 pin	04	Purple/Green	(OPEN)	Headlight switch	A
			Brake	C278	White	04 pin	04	Purple/White	(+)	At brake pedal	I
			CanH	C251	Black	16 pin	03	Gray/Orange	(DATA)	OBDI connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	(DATA)	OBDI connector	B
			Driver Door Pin	~	~	~	~	Green/Purple	(OPEN)	Driver kick panel*	D
			Horn	C218A	Black	16 pin	08	Blue/White	(-)	Clockspring connector, steering column	K
			Light Off	C205	Gray	10 pin	09	White/Purple	(-)	Headlight switch	A
			Lock	~	~	~	~	Gray/Yellow	(-)	Driver kick panel*	D
			Lock/Arm 7/8	~	~	~	~	Yellow/Green	(-)	Driver kick panel*	D
			Lock/Arm 9/0	~	~	~	~	Purple/Green	(-)	Driver kick panel*	D
			Parking Light	~	~	~	~	Blue/White	(+)	Harness near firewall, driver side*	L
			Unlock	~	~	~	~	Purple/Gray	(-)	Driver kick panel*	D
	Sport Trac STD key AT	07-08	Auto Light	C205	Gray	10 pin	04	Purple/Green	(OPEN)	Headlight switch	A
			Brake	C278	Gray	02 pin	02	Purple/White	(+)	At brake pedal	I
			CanH	C251	Black	16 pin	03	Gray/Orange	(DATA)	OBDI connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	(DATA)	OBDI connector	B
			Driver Door Pin	~	~	~	~	Green/Purple	(OPEN)	Driver kick panel*	D
			Horn	C218A	Black	16 pin	08	Blue/White	(-)	Clockspring connector, steering column	K
			Light Off	C205	Gray	10 pin	09	White/Purple	(-)	Headlight switch	A
			Lock	~	~	~	~	Gray/Yellow	(-)	Driver kick panel*	D
			Lock/Arm 7/8	~	~	~	~	Yellow/Green	(-)	Driver kick panel*	D
Lock/Arm 9/0			~	~	~	~	Purple/Green	(-)	Driver kick panel*	D	
Parking Light			~	~	~	~	Blue/White	(+)	Harness near firewall, driver side*	L	
Unlock			~	~	~	~	Purple/Gray	(-)	Driver kick panel*	D	

\* WARNING: Multiple wires with the same color on the connector. Verify pin location and test wire.

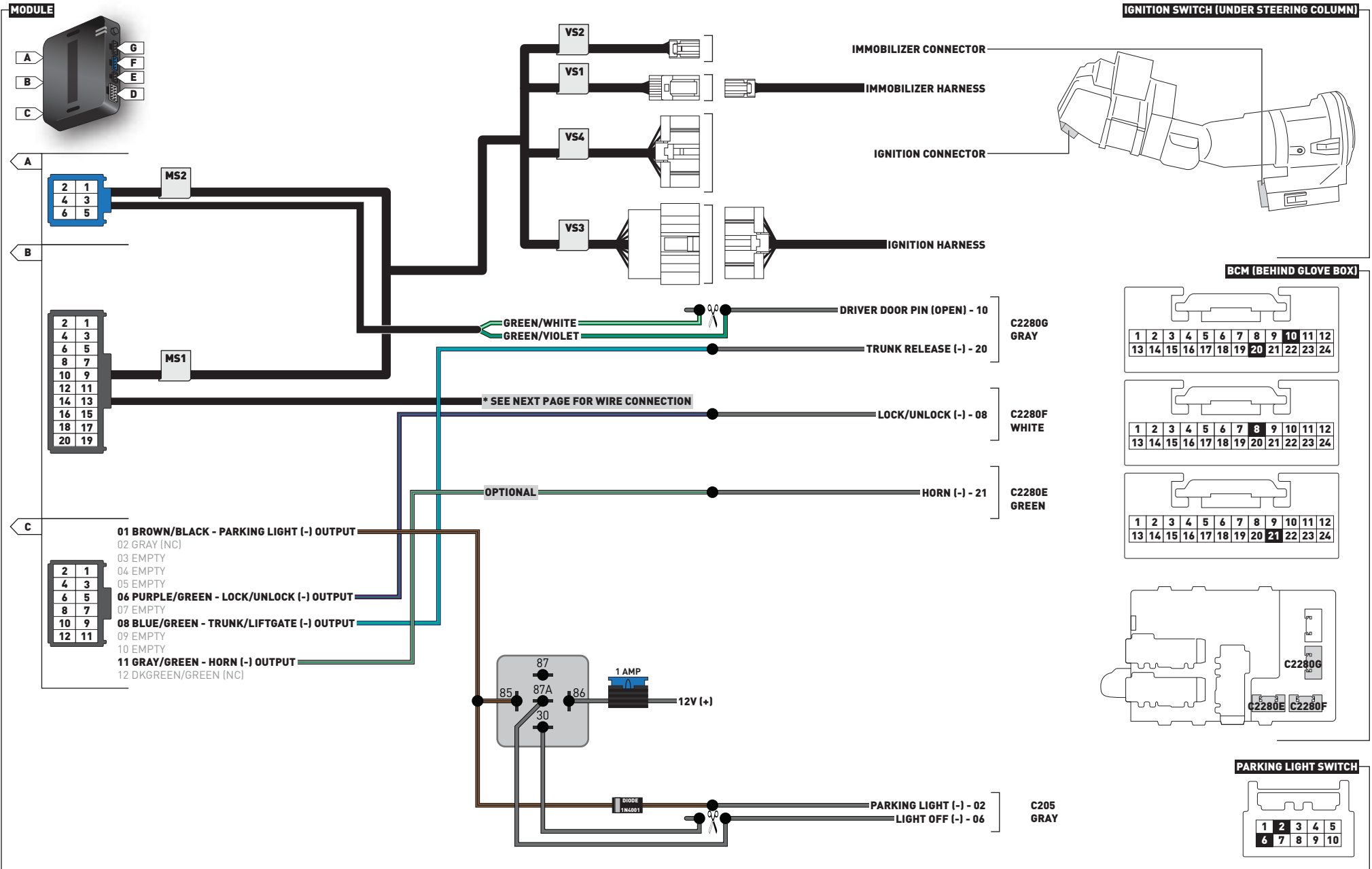
MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Sport Trac STD key AT	09-10	Auto Light	C205	Gray	10 pin	04	Purple/Green	(OPEN)	Headlight switch	A
			Brake	C278	White	04 pin	04	Purple/White	(+)	At brake pedal	I
			CanH	C251	Black	16 pin	03	Gray/Orange	(DATA)	OBDI connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	(DATA)	OBDI connector	B
			Driver Door Pin	~	~	~	~	Green/Purple	(OPEN)	Driver kick panel*	D
			Horn	C218A	Black	16 pin	08	Blue/White	(-)	Clockspring connector, steering column	K
			Light Off	C205	Gray	10 pin	09	White/Purple	(-)	Headlight switch	A
			Lock	~	~	~	~	Gray/Yellow	(-)	Driver kick panel*	D
			Lock/Arm 7/8	~	~	~	~	Yellow/Green	(-)	Driver kick panel*	D
			Lock/Arm 9/0	~	~	~	~	Purple/Green	(-)	Driver kick panel*	D
			Parking Light	~	~	~	~	Blue/White	(+)	Harness near firewall, driver side*	L
			Unlock	~	~	~	~	Purple/Gray	(-)	Driver kick panel*	D
MERCURY	Mountainer STD key AT	06-08	Auto Light	C205	Gray	10 pin	04	Purple/Green	(OPEN)	Headlight switch	A
			Brake	C278	Gray	02 pin	02	Purple/White	(+)	At brake pedal	I
			CanH	C251	Black	16 pin	03	Gray/Orange	(DATA)	OBDI connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	(DATA)	OBDI connector	B
			Driver Door Pin	~	~	~	~	Green/Purple	(OPEN)	Driver kick panel*	D
			Horn	C218A	Black	16 pin	08	Blue/White	(-)	Clockspring connector, steering column	K
			Light Off	C205	Gray	10 pin	09	White/Purple	(-)	Headlight switch	A
			Lock	~	~	~	~	Gray/Yellow	(-)	Driver kick panel*	D
			Lock/Arm 7/8	~	~	~	~	Yellow/Green	(-)	Driver kick panel*	D
			Lock/Arm 9/0	~	~	~	~	Purple/Green	(-)	Driver kick panel*	D
			Parking Light	~	~	~	~	Blue/White	(+)	Harness near firewall, driver side*	L
			Unlock	~	~	~	~	Purple/Gray	(-)	Driver kick panel*	D
	Mountainer STD key AT	09-10	Auto Light	C205	Gray	10 pin	04	Purple/Green	(OPEN)	Headlight switch	A
			Brake	C278	White	04 pin	04	Purple/White	(+)	At brake pedal	I
			CanH	C251	Black	16 pin	03	Gray/Orange	(DATA)	OBDI connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	(DATA)	OBDI connector	B
			Driver Door Pin	~	~	~	~	Green/Purple	(OPEN)	Driver kick panel*	D
			Horn	C218A	Black	16 pin	08	Blue/White	(-)	Clockspring connector, steering column	K
			Light Off	C205	Gray	10 pin	09	White/Purple	(-)	Headlight switch	A
			Lock	~	~	~	~	Gray/Yellow	(-)	Driver kick panel*	D
Lock/Arm 7/8	~	~	~	~	Yellow/Green	(-)	Driver kick panel*	D			
Lock/Arm 9/0	~	~	~	~	Purple/Green	(-)	Driver kick panel*	D			
Parking Light	~	~	~	~	Blue/White	(+)	Harness near firewall, driver side*	L			
Unlock	~	~	~	~	Purple/Gray	(-)	Driver kick panel*	D			

\* WARNING: Multiple wires with the same color on the connector. Verify pin location and test wire.

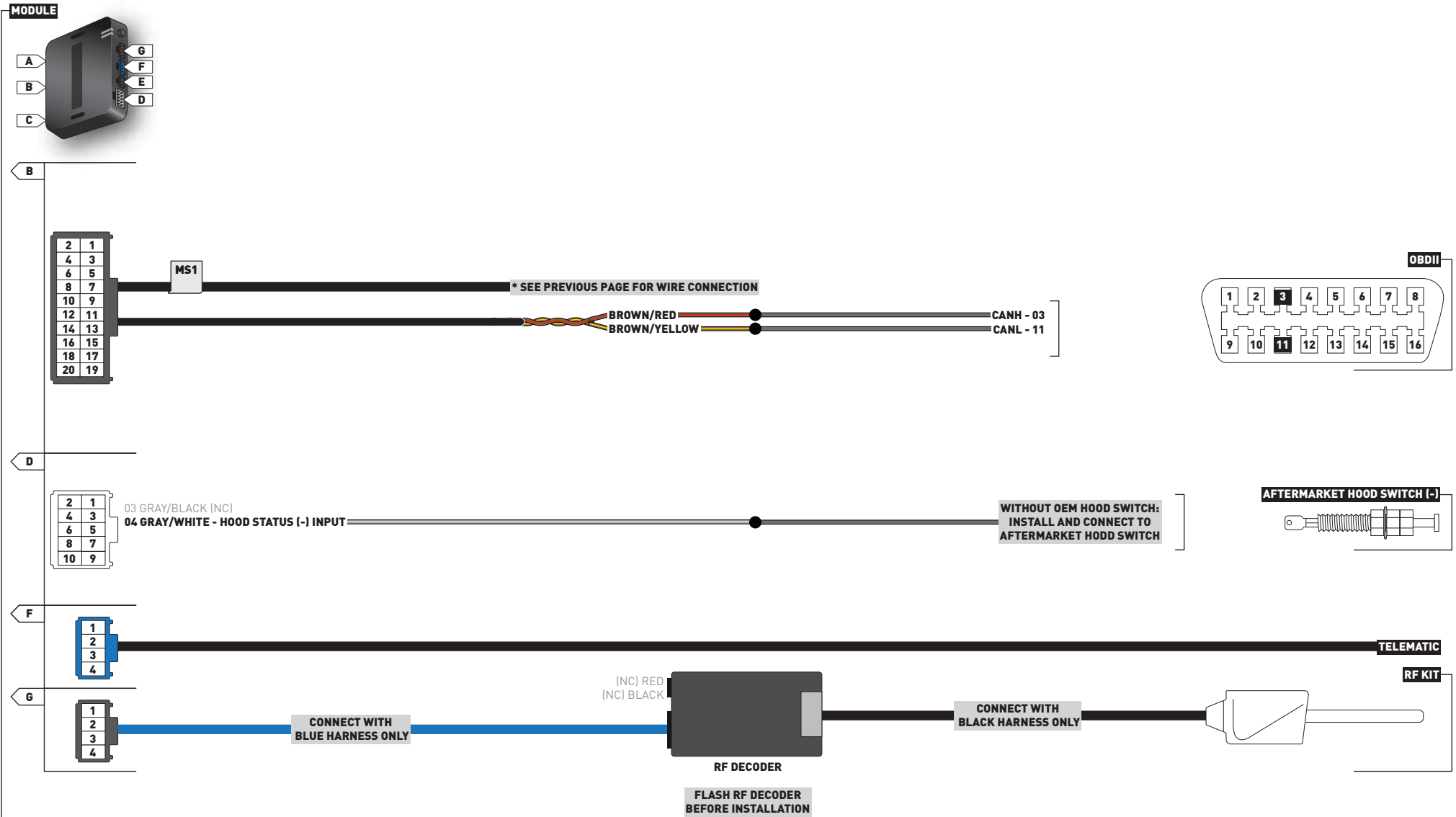




MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR
FORD	Fiesta STD key AT	11-13	CanH	C251	Black	16 pin	03	Gray/Orange	(DATA)	OBDII connector	B
			CanL	C251	Black	16 pin	11	Purple/Orange	(DATA)	OBDII connector	B
			Driver Door Pin	C2280G	Gray	24 pin	10	Green/Purple	(OPEN)	BCM, behind glove box	J
			Horn	C2280E	Green	24 pin	21	Brown	(-)	BCM, behind glove box	J
			Light Off	C205	Gray	10 pin	06	White/Purple	(-)	Headlight switch	A
			Lock/Unlock	C2280F	White	24 pin	08	Brown/White	(-)	BCM, behind glove box	J
			Parking Light	C205	Gray	10 pin	02	Yellow/Blue	(-)	Headlight switch	A
			Trunk Release	C2280G	Gray	24 pin	20	Green/White	(-)	BCM, behind glove box	J

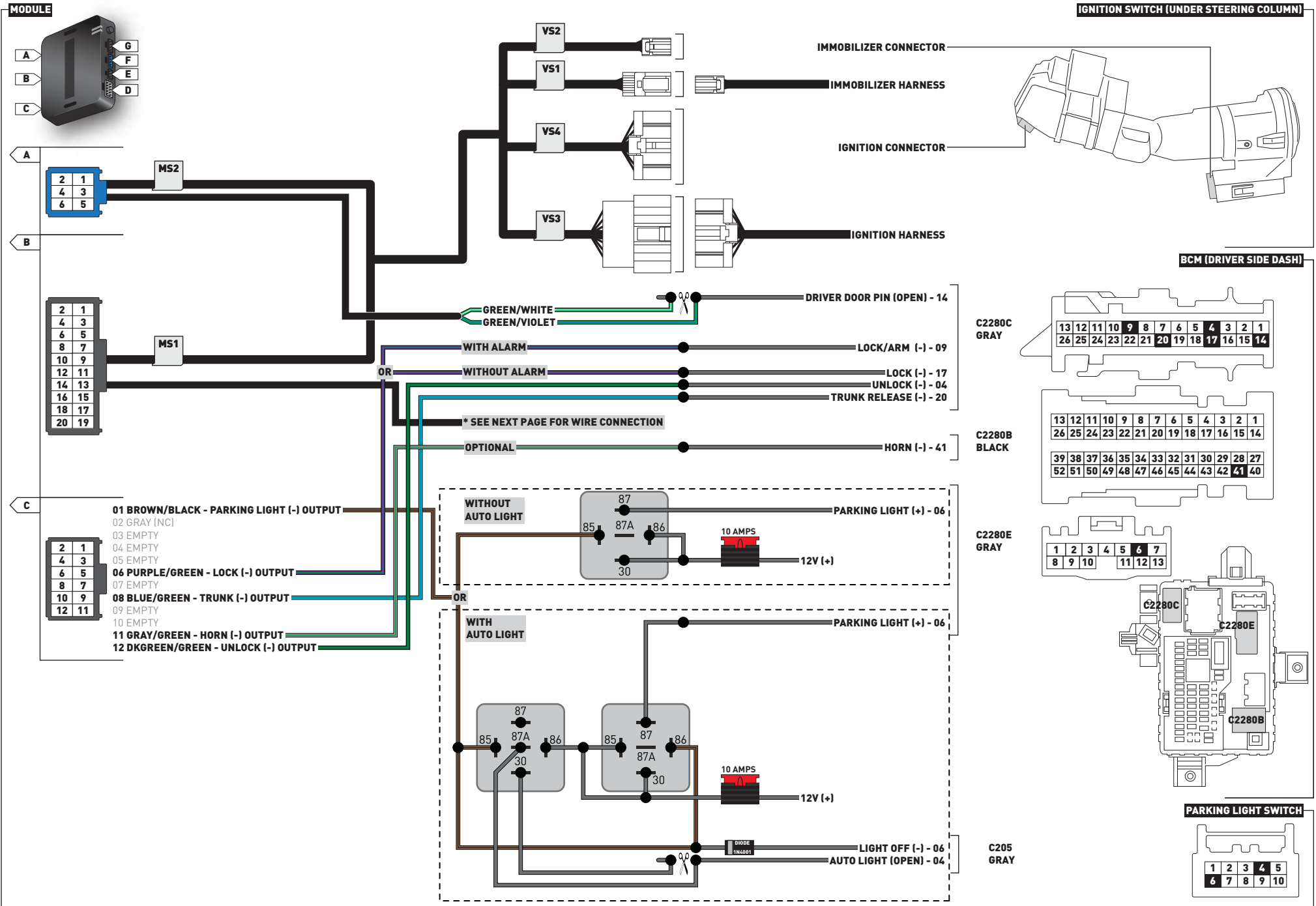




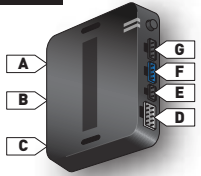


MAKE	MODEL	YEAR	WIRE DESCRIPTION	CONNECTOR NAME	CONNECTOR COLOR	CONNECTOR TYPE	POSITION	WIRE COLOR	POLARITY	MODULE LOCATION	COMPONENT LOCATOR	
FORD	Focus STD key AT	08-11	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, driver side dash	F
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, driver side dash	F
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, driver side dash	F
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, driver side dash	F
			Lock/Arm	C2280C	Gray	26 pin	09	Yellow/Gray		(-)	BCM, driver side dash	F
			Trunk Release	C2280C	Gray	26 pin	20	Brown		(-)	BCM, driver side dash	F
			Parking Lights	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, driver side dash	F
			Auto Light	~	~	~	~	~	~	~	~	~
			Light Off	~	~	~	~	~	~	~	~	~
	Mustang Convertible STD key AT	10-13	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, passenger side dash	G
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, passenger side dash*	G
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, passenger side dash*	G
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, passenger side dash*	G
			Lock/Arm	C2280C	Gray	26 pin	09	Yellow/Gray		(-)	BCM, passenger side dash*	G
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Purple		(-)	BCM, passenger side dash*	G
			Parking Lights	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, passenger side dash	G
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A
	Mustang Coupe STD key AT	10-13	CanH	C251	Black	16 pin	03	Gray/Orange	[DATA]	OBDII connector	B	
			CanL	C251	Black	16 pin	11	Purple/Orange	[DATA]	OBDII connector	B	
			Horn	C2280B	Black	52 pin	41	Blue/White		(-)	BCM, passenger side dash	G
			Driver Door Pin	C2280C	Gray	26 pin	14	Green/Purple		(OPEN)	BCM, passenger side dash*	G
			Lock	C2280C	Gray	26 pin	17	Blue/Green		(-)	BCM, passenger side dash*	G
			Unlock	C2280C	Gray	26 pin	04	Yellow/Purple		(-)	BCM, passenger side dash*	G
			Lock/Arm	C2280C	Gray	26 pin	09	Yellow/Gray		(-)	BCM, passenger side dash*	G
			Trunk Release	C2280C	Gray	26 pin	20	Brown/Yellow		(-)	BCM, passenger side dash*	G
			Parking Lights	C2280E	Gray	13 pin	06	Purple/White		(+)	BCM, passenger side dash	G
			Auto Light	C205	Gray	10 pin	04	Purple/Green		(OPEN)	Headlight switch	A
			Light Off	C205	Gray	10 pin	06	White/Purple		(-)	Headlight switch	A

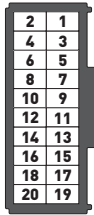
\* Wire also found in driver door harness.



**MODULE**



**B**



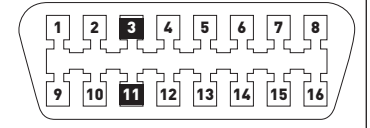
MS1

\* SEE PREVIOUS PAGE FOR WIRE CONNECTION

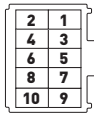
BROWN/RED  
BROWN/YELLOW

CANH - 03  
CANL - 11

**OBDII**



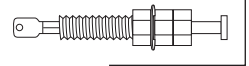
**D**



03 GRAY/BLACK (NC)  
04 GRAY/WHITE - HOOD STATUS (-) INPUT

WITHOUT OEM HOOD SWITCH:  
INSTALL AND CONNECT TO  
AFTERMARKET HOOD SWITCH

**AFTERMARKET HOOD SWITCH (-)**



**F**



**TELEMATIC**

**G**



CONNECT WITH  
BLUE HARNESS ONLY

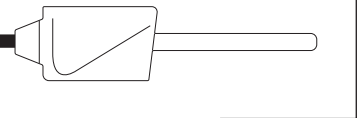
(NC) RED  
(NC) BLACK



RF DECODER

FLASH RF DECODER  
BEFORE INSTALLATION

CONNECT WITH  
BLACK HARNESS ONLY



**RF KIT**

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



01 Insert key 1 into ignition.



02 Turn key 1 to ON position. LED will turn solid RED.



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



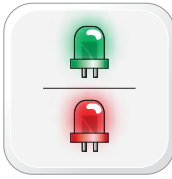
04 Turn key 1 to OFF position.



05 Turn key 1 to ON position.



06 If LED turns solid GREEN for 2 seconds: Module Programming Procedure completed.  
If LED turns solid RED, proceed with following step.



07 TIME RESTRICTION. Complete steps 08 to 10 within 4 seconds after LED turns OFF.



08 Remove key 1.



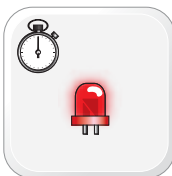
09 Insert key 2 into ignition.



10 Turn key 2 to ON position.



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



12 TIME RESTRICTION. Complete steps 13 and 14 within 4 seconds after LED turns OFF.



13 Remove key 2.



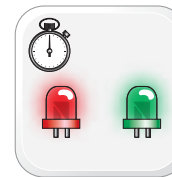
14 Press and release programming button.



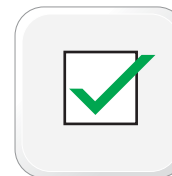
>> If the LED begins to flash RED, you are using a cloned key or used the same key twice.






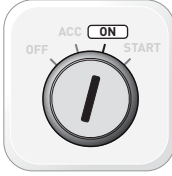


15 Wait, LED will turn solid RED then will turn solid GREEN.




16 Module Programming Procedure completed.



- 01**  Insert key into ignition.
- 02**  Turn key to ON position. LED will turn solid RED.
- 03**  Wait, LED will flash GREEN. (This may take up to 10 seconds)
- >>**  If the LED begins to flash RED/GREEN, the key has an 80-bit encryption that is not covered by KLON.
- 04**  Turn key to OFF position.
- 05**  **WARNING:** Disconnect power last. Disconnect module from vehicle.

- 06**  Connect module to computer and proceed with extended programming.
- 07**  Connect power first. Connect module to vehicle.
- 08**  Insert key into ignition.
- 09**  Turn key to ON position.
- 10**  Wait, LED will turn solid GREEN for 2 seconds.
- 11**  Turn key to OFF position.

- 12**  Module Programming Procedure completed.

>>



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.

01



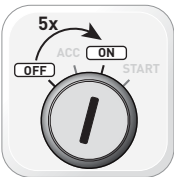
Insert key into ignition.

02



Time restriction. Complete next step within 7 seconds.

03



Turn key to OFF position then to ON position five times [5x] rapidly.

04



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

05



Turn key to OFF position.

06



Remove key.

07




Valet Mode Programming Procedure completed.


>>




To exit valet mode: repeat steps 1 to 6.


>>  WARNING: Program aftermarket remotes before usage. A maximum of four [4x] aftermarket remotes per system.


01  Insert key into ignition.

02  Time restriction. Complete next step within 7 seconds.

03  Turn key to OFF position then to ON position five times [5x] rapidly.


04  LED 1 will turn solid RED.

05  Time restriction. Complete next step within 2 seconds from previous step.

06  Press once [1x] on LOCK button of aftermarket remote.


07  LED 1 will flash GREEN once [1x].

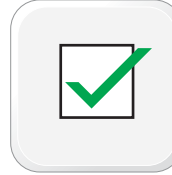
08  LED 1 will turn solid RED.

>>  To program additional remotes: repeat steps 5 to 8 using each additional remote.


09  Wait, LED 1 will turn OFF.


10  Turn key to OFF position.

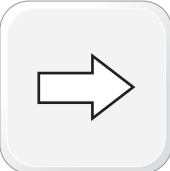
11  Remove key.

12  Aftermarket Remote Programming Procedure completed.





>>  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.

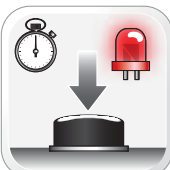
>>  Module must be programmed to the vehicle.


>>  Use the Module Navigation Chart on the next page.


01  Set ignition to OFF position.

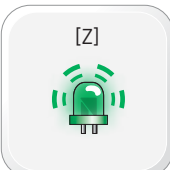
02  TO ACCESS THE MENUS: Press and hold programming button until LED 1 turns solid GREEN.


03  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.


04  TO ACCESS THE OPTIONS: Press and hold programming button until LED 1 turns solid RED.

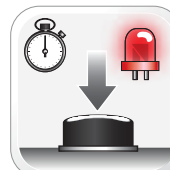
05  IN THE OPTIONS: Press the programming button as many times as the option number indicates. LED 1 will flash RED an equal amount of times continuously.


06  TO ACCESS THE SETTINGS: Press and hold programming button until LED 1 turns solid GREEN.


07  LED 1 will flash GREEN as many times as the current (or default) setting number, continuously.

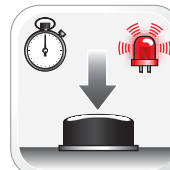
08  IN THE SETTINGS: Press the programming button as many times as necessary to access your setting. LED 1 will flash GREEN an equal amount of times continuously.

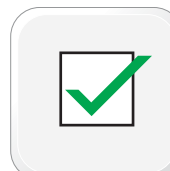
09  To return to the MENUS: exit the Module Navigation and redo the Module Navigation Procedure.


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: NOTES	[X] MENUS		[Y] OPTIONS	[Z] SETTINGS
I Default settings are listed in bold. II Make sure the option is covered on the vehicle before attempting to change the setting.	01	CONFIGURATION	01 DISARM/UNLOCK BEFORE START	01 <b>OFF</b> 02 ON
			02 RELOCK AFTER START	01 <b>OFF</b> 02 ON
			03 RELOCK AFTER SHUTDOWN	01 <b>OFF</b> 02 ON
			04 FORCE UNLOCK ALL ON FIRST PRESS	01 <b>OFF</b> 02 ON
			05 TAKEOVER	01 <b>ENABLE</b> 02 DISABLE*
			06 N/A	01 N/A
			07 FACTORY KEYLESS RS SEQUENCE	01 DISABLE 02 N/A 03 LOCK + UNLOCK + LOCK 04 <b>LOCK + LOCK + LOCK</b>
			08 MODULE RUN TIME	01 03 MIN 02 05 MIN 03 10 MIN 04 15 MIN 05 25 MIN 06 30 MIN 07 35 MIN 08 <b>15 MIN</b>
			09 WAIT TO START DELAY	01 <b>02 SEC</b> 02 05 SEC 03 08 SEC 04 10 SEC 05 15 SEC 06 20 SEC 07 25 SEC 08 30 SEC
			10 N/A	01 N/A
			11 N/A	01 N/A
			12 N/A	01 N/A
			13 N/A	01 N/A

\*Vehicle will shutdown when a door is opened.

MODULE NAVIGATION CHART: NOTES	[X] MENUS	[Y] OPTIONS	[Z] SETTINGS								
	01 CONFIGURATION	14 HORN EVENT TRIGGER	<table border="1"> <tr><td>01</td><td><b>DOUBLE LOCK</b></td></tr> <tr><td>02</td><td>LOCK + UNLOCK</td></tr> <tr><td>03</td><td>LOCK + UNLOCK + START</td></tr> <tr><td>04</td><td>DOUBLE LOCK + START</td></tr> </table>	01	<b>DOUBLE LOCK</b>	02	LOCK + UNLOCK	03	LOCK + UNLOCK + START	04	DOUBLE LOCK + START
01	<b>DOUBLE LOCK</b>										
02	LOCK + UNLOCK										
03	LOCK + UNLOCK + START										
04	DOUBLE LOCK + START										
		15 HORN CHIRPS WIDTH	<table border="1"> <tr><td>01</td><td><b>30 mSEC</b></td></tr> <tr><td>02</td><td>15 mSec</td></tr> <tr><td>03</td><td>60 mSec</td></tr> </table>	01	<b>30 mSEC</b>	02	15 mSec	03	60 mSec		
01	<b>30 mSEC</b>										
02	15 mSec										
03	60 mSec										
	02-07 Technical Support only	01 N/A	01 N/A								

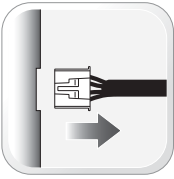
\*Vehicle will shutdown when a door is opened.

REMOTE STARTER ERROR CODES: NOTES	[X] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	01	Engine running.
	02	Key in ignition at ON position.
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.	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.
	11	CAN communication failure
	12	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.

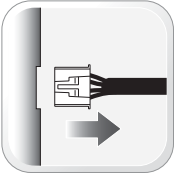
REMOTE STARTER SHUTDOWN ERROR CODES: NOTES	[Y] NUMBER OF PARKING LIGHT FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	01	Engine tach signal is lost.
	02	N/A
II If the engine shuts down after a remote starter sequence: Press 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.  The parking lights will flash four [4x] times, then will flash [Y] number times to indicate an error code. See table.	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.
	10	N/A
	11	CAN communication failure during RS sequence.

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.
		OFF	Invalid ground when running status from remote starter.
III	WITH IGNITION OFF	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.

**01** Disconnect all connectors from module except the BLACK 20-PIN connector.



**02** Disconnect the BLACK 20-PIN connector.



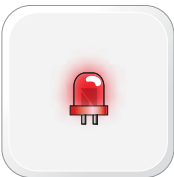
**03** PRESS AND HOLD programming button while connecting the BLACK 20-PIN connector.



**04** Wait, LED 1 will flash RED. RELEASE programming button.



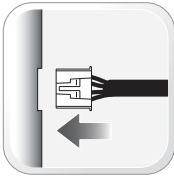
**05** LED 1 will turn RED for 2 seconds.



**06** Module RESET completed.



**07** Reconnect all connectors.



**08** Repeat programming procedure.



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

