



**Installation of LVJ Motorsports  
Third Brake Light Reverse Harness  
Stop, Tail , Turn Flasher  
(Updated 3-1-2026)**

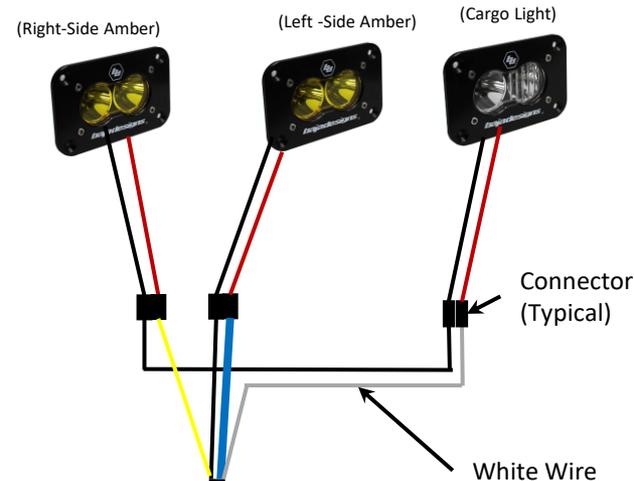
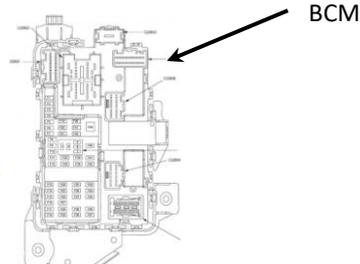
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# Wire Harness Mounting Instructions

## Primary Harness with STOP/ TAIL / TURN with Reverse

See detail on next page for connection points



(Red 14ga) Connect To Aux switch wire or desired 12V switch to turn on Stop / Tail / Turn device

(Yellow 14 ga) Connect To Aux switch wire or desired 12V switch to turn on rear amber lights (Flashing)

(Blue 14ga) Connect To Aux switch wire or desired 12V switch to turn on rear amber lights (Solid)

Momentary Switch, Press to change flashing pattern, (optional extension cable available)

Scan below for Video of functionality of switches and how the unit works

**Installer Note: USE FORD UPFITTER WIRES IN CAB FOR CONNECTIONS TO UPFITTER SWITCHES**



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## Wire Harness Mounting Instructions

### Primary Harness with STOP/ TAIL / TURN with Reverse

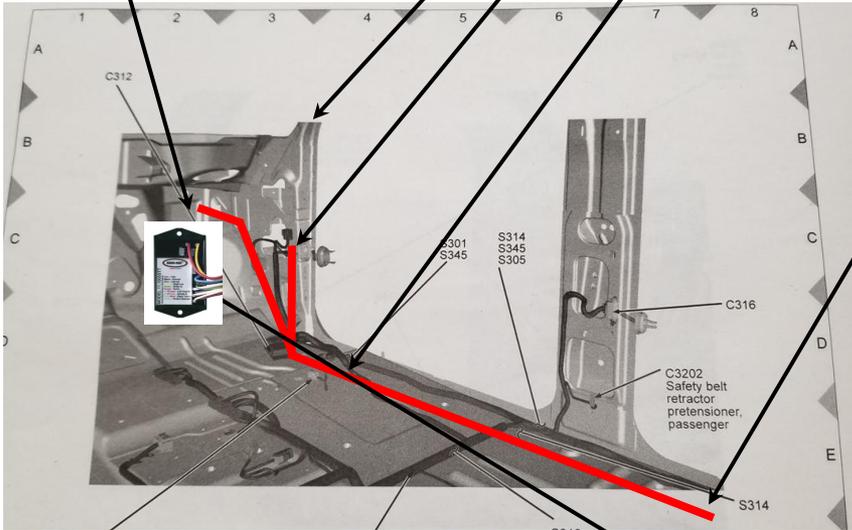
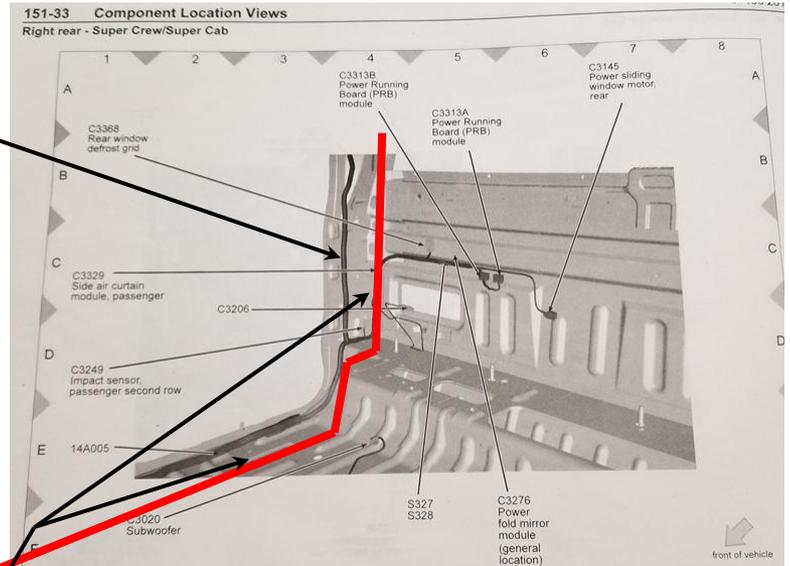
Route wire to Aux wire in Cab or extend to switch locations as needed

"A" pillar

BCM located in this area

Route wire harness in Cab under passenger side door threshold trim and along "C" pillar to third brake Light Location

"C" Pillar



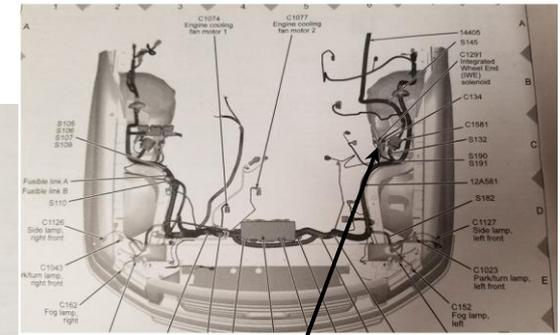
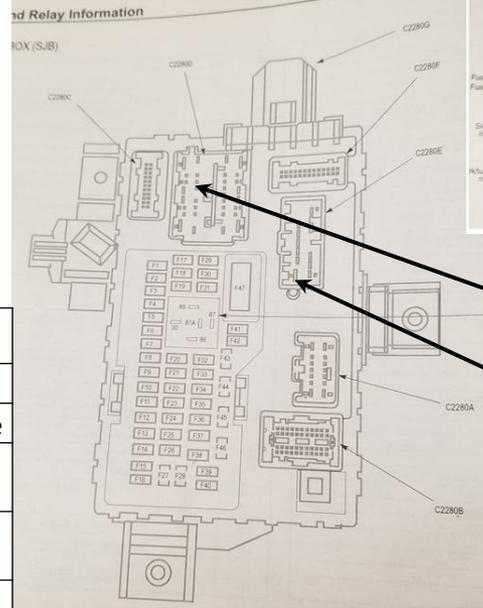
For Ground- Gen1 and other vehicles, Use self tapping screw into "A" pillar , For Gen2 use ground lug on "A" pillar near BCM

Mount Stop / Tail / Turn / Flasher in this area

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## Wire Harness Mounting Instructions (Under hood On driver side on wheel well)



C134 Connection

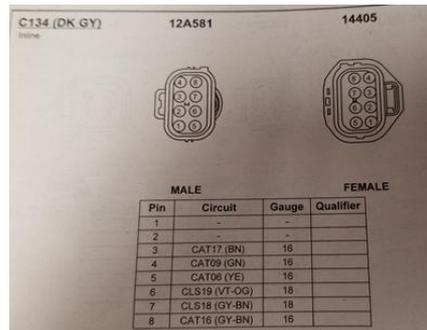
C2280D Connection

C2280E Connection

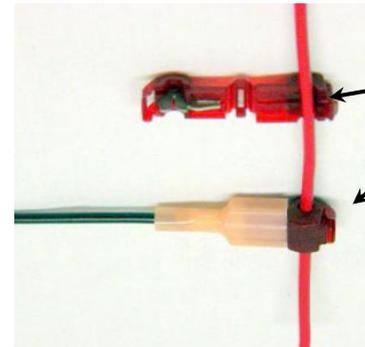
### 2010 F-150

Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C134	#8	GY-BN 16 gauge wire
White with Purple	Left Turn	C2280D	#25	GY-BN
White with Red	Right Turn	C2280D	#26	VT-OG
Purple	Tail / Running Lamp	C2280E	#6	VT-WH

Key
BU=Blue
WH=White
BN=Brown
GN=Green
YE= Yellow
VT=Violet
OG=Orange



C1345 Connector



**Step 1-** Locate the correct connector and incoming / outgoing wire and remove the outer wire wrap exposing about 2" of wire to make room for the new Tap connector and so you can see the wire colors.

**Step 2-** Locate the correct wire from the Chart attached, double check the wire color and its correct pin location of the plugs below.

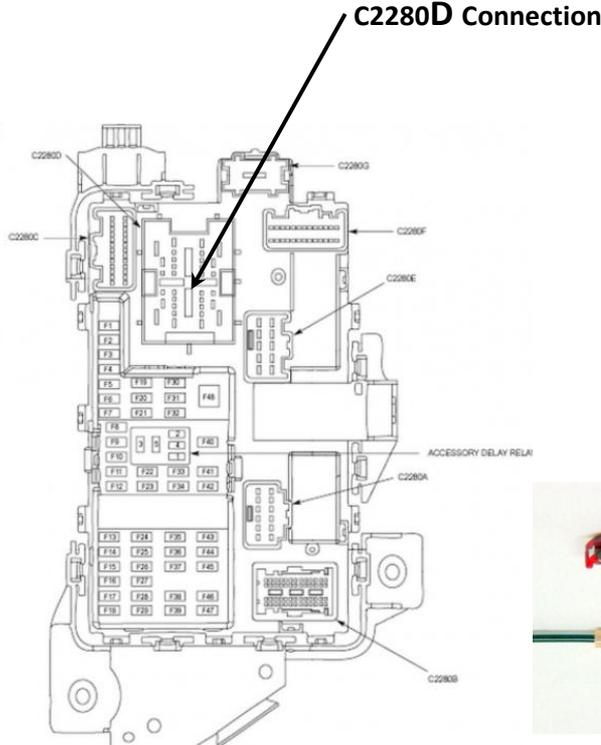
**Step 3-** Insert / place the Tap Connector around the wire and squeeze closed.

**Step -4** Connect the correct wire from the supplied harness to the new Tap connector

**\*\* Note- The actual panel is inverted from this drawing in the vehicle\*\***

## Wire Harness Mounting Instructions BCM Control Connection Points (Fuse Panel located in Passenger side foot well on the A-Pillar)

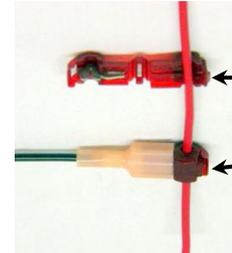
BODY CONTROL MODULE (BCM)



Key	
BU=Blue	
WH=White	
BN=Brown	
GN=Green	
YE= Yellow	
VT=Violet	
OG=Orange	
GY=Grey	

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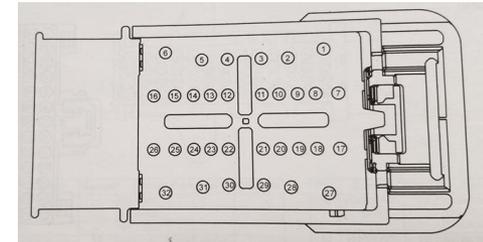


**Step 3-** Insert / place the Tap Connector around the wire and squeeze closed.

**Step -4** Connect the correct wire from the supplied harness to the new Tap connector

2011-2014 F-150				
Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C2280D	#13	BU-WH
White with Purple	Left Turn	C2280D	#12	GY-BN
White with Red	Right Turn	C2280D	#15	VT-OG
Purple	Tail / Running Lamp	C2280D	#18	YE-GN

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**C2280D Connection**

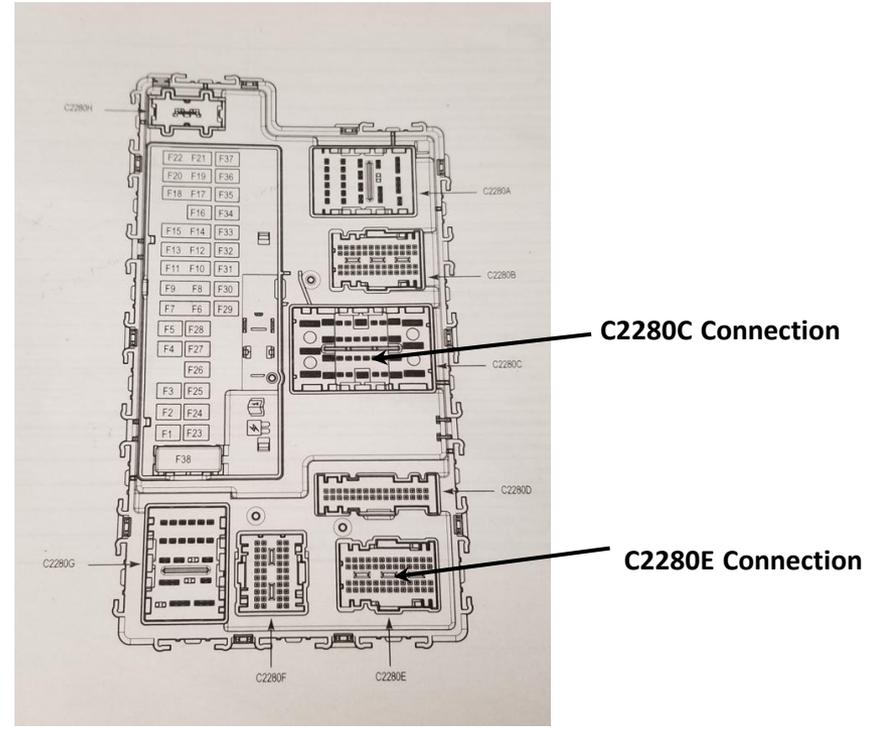
**\*\* Note- The actual panel is inverted from this drawing in the vehicle\*\***



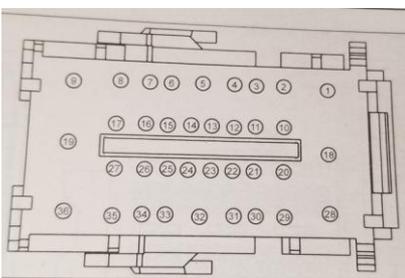
# Wire Harness Mounting Instructions BCM Control Connection Points

(Fuse Panel located in Passenger side foot well on the A-Pillar)

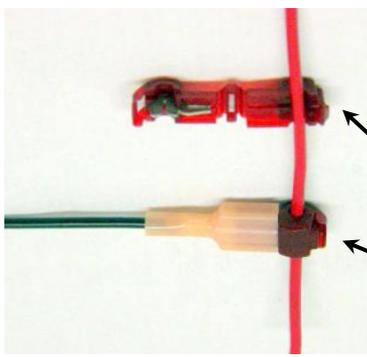
2015-2023 F-150				
Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C2280C	#11	GN-BN
White with Purple	Left Turn	C2280E	#31	GN-BU
White with Red	Right Turn	C2280E	#44	BU-OG
Purple	Tail / Running Lamp	C2280C	#12	BU-GY



Key
BU=Blue
WH=White
BN=Brown
GN=Green
YE= Yellow
VT=Violet
OG=Orange



**C2280C Connector**



- Step 1-** Locate the correct connector and incoming / outgoing wire and remove the outer wire wrap exposing about 2" of wire to make room for the new Tap connector and so you can see the wire colors.
- Step 2-** Locate the correct wire from the Chart attached, double check the wire color and its correct pin location of the plugs below.
- Step 3-** Insert / place the Tap Connector around the wire and squeeze closed.
- Step -4** Connect the correct wire from the supplied harness to the new Tap connector

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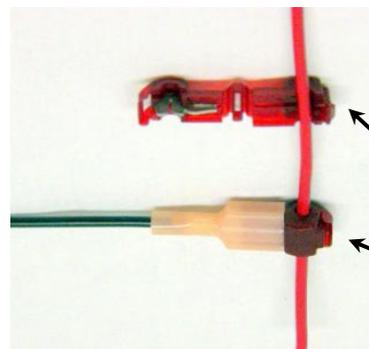
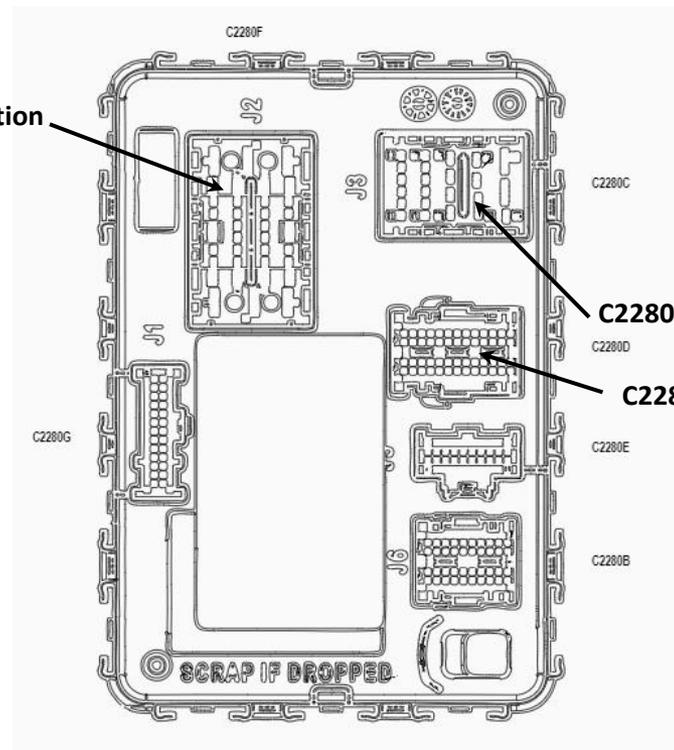
# Wire Harness Mounting Instructions

## BCM Control Connection Points

(Fuse Panel located in Passenger side foot well on the A-Pillar)

2024 F-150				
Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C2280C	#3	GN-BN
White with Purple	Left Turn	C2280F	#6	BU-GN
White with Red	Right Turn	C2280F	#31	YE-VT
Purple	Tail / Running Lamp	C2280D	#26	GN-OG

Key
BU=Blue
WH=White
BN=Brown
GN=Green
YE= Yellow
VT=Violet
OG=Orange



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- Step -4** Connect the correct wire from the supplied harness to the new Tap connector

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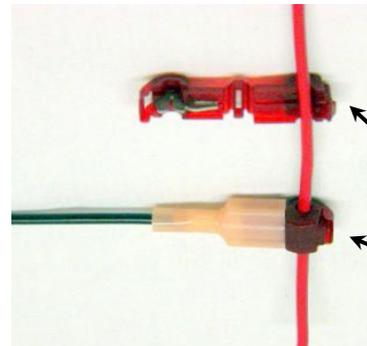
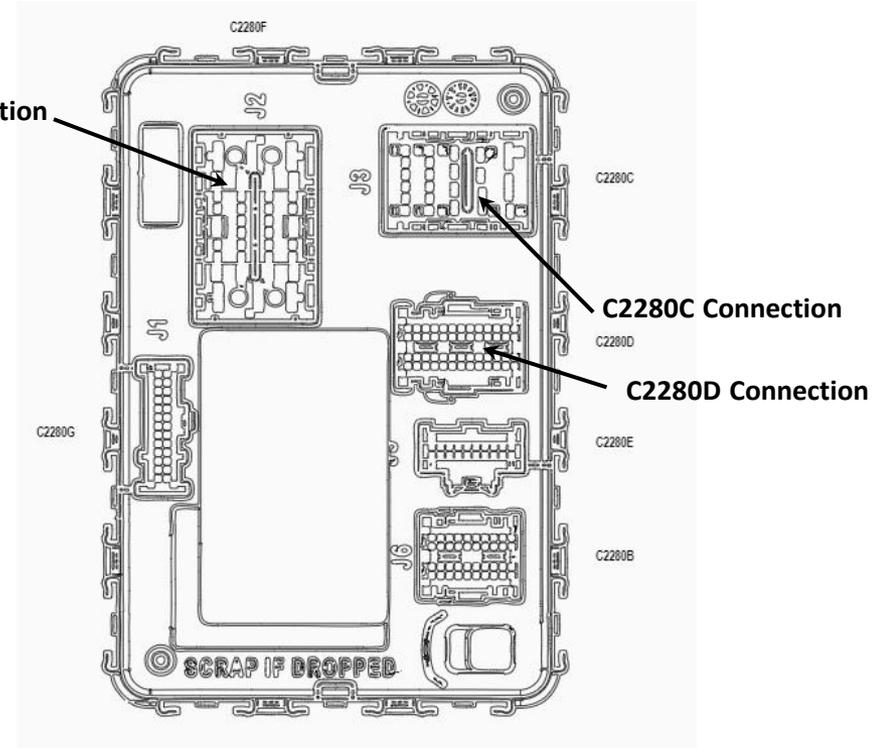
# Wire Harness Mounting Instructions

## BCM Control Connection Points

(Fuse Panel located in Passenger side foot well on the A-Pillar)

2025 F-150 (From Ford Wiring Book) (Alternate)				
Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C2280C	#3	GN-BN
White with Purple	Left Turn	C2280F C2280 C	#6 ?	BU-GN WH/GN
White with Red	Right Turn	C2280F C2280B	#31 ?	YE-VT GY / VT
Purple	Tail / Running Lamp	C2280F	#15	WH/VT

Key
BU=Blue
WH=White
BN=Brown
GN=Green
YE= Yellow
VT=Violet
OG=Orange



**Step 1-** Locate the correct connector and incoming / outgoing wire and remove the outer wire wrap exposing about 2" of wire to make room for the new Tap connector and so you can see the wire colors.

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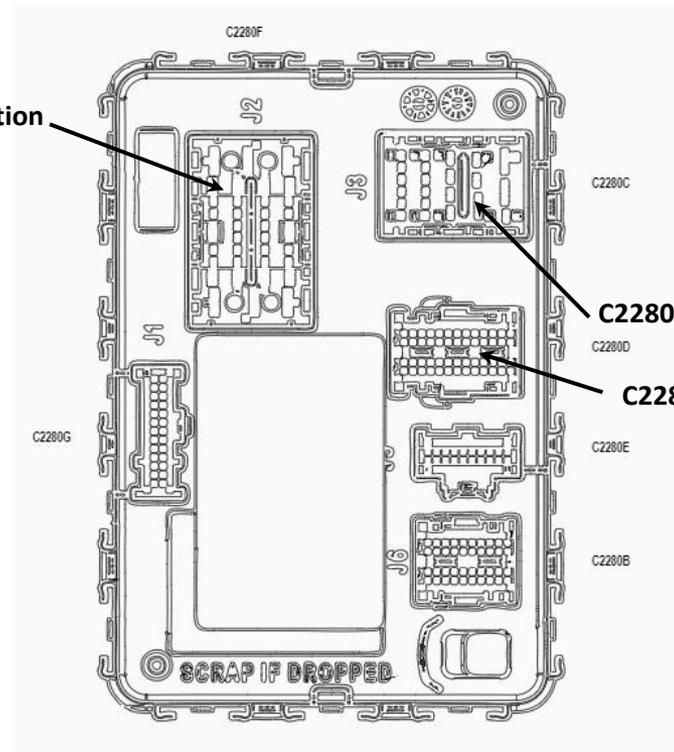
# Wire Harness Mounting Instructions

## BCM Control Connection Points

(Fuse Panel located in Passenger side foot well on the A-Pillar)

2026 F-150 (From Ford Wiring Book) (Alternate)				
Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C2280C	#3	GN-BN
White with Purple	Left Turn	C2280F C2280 C	#6 ?	BU-GN WH/GN
White with Red	Right Turn	C2280F C2280B	#31 ?	YE-VT GY / VT
Purple	Tail / Running Lamp	C2280F	#15	WH/VT

Key
BU=Blue
WH=White
BN=Brown
GN=Green
YE= Yellow
VT=Violet
OG=Orange



C2280F Connection

C2280C

C2280C Connection

C2280D

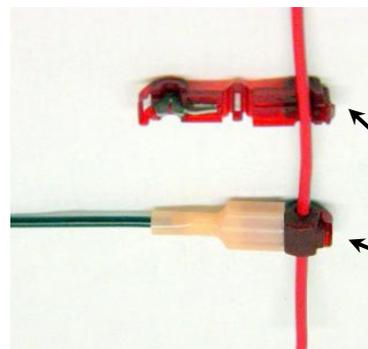
C2280D Connection

C2280E

C2280B

C2280G

SCRAP IF DROPPED



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**Step -4** Connect the correct wire from the supplied harness to the new Tap connector

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# **LVJ** *Motorsports* LLC

**For Questions or Comments Contact**

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**9am – 9pm Central**

**7 days a week**



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