



**Installation of LVJ Motorsports  
Third Brake Light Reverse Harness  
Basic, or Basic with Reverse**

Created by Keith Mandoske

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## Wire Harness Mounting Instructions

### Primary Harness with Reverse

You have two options for wiring light, use either the blue or yellow and a splitter or connect both the blue and yellow to one switch

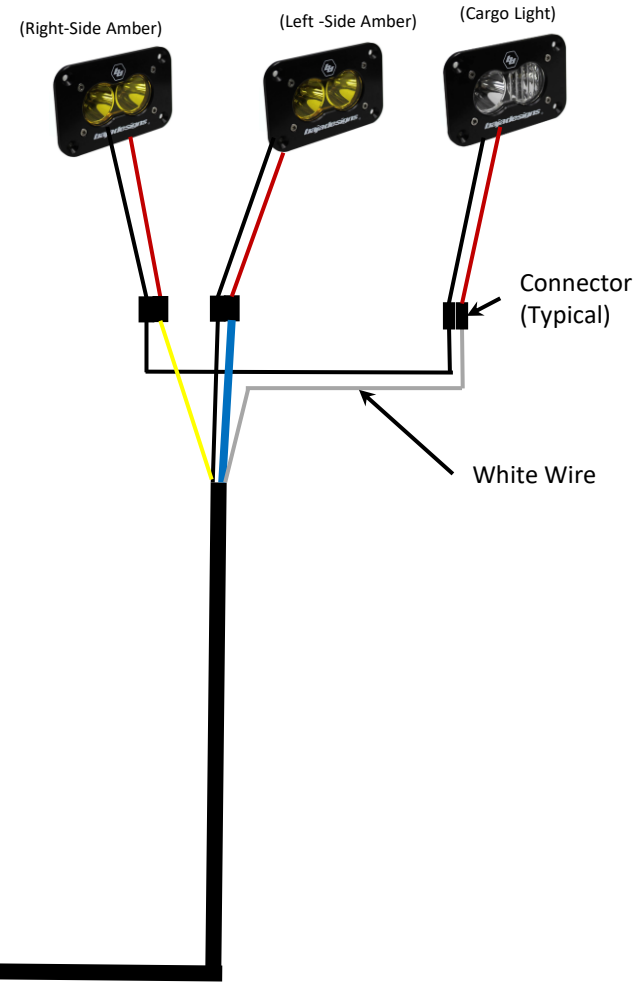
(Yellow 14 ga) Connect To Aux switch wire or desired 12V switch to turn on rear amber lights

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

See detail on next page for connection points



BCM



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

**For "Basic Harness" Disregard instruction for Reverse wire**

## Wire Harness Mounting Instructions

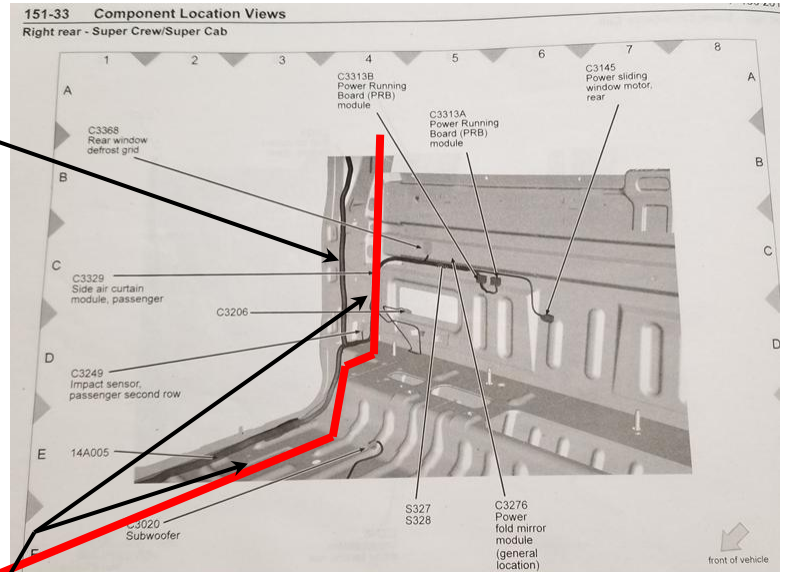
### Primary Harness with Reverse

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

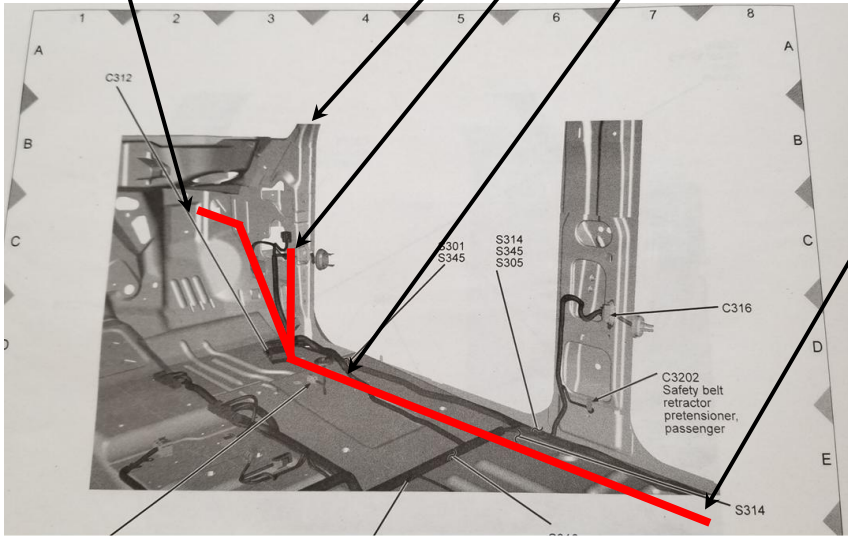
"A" pillar

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

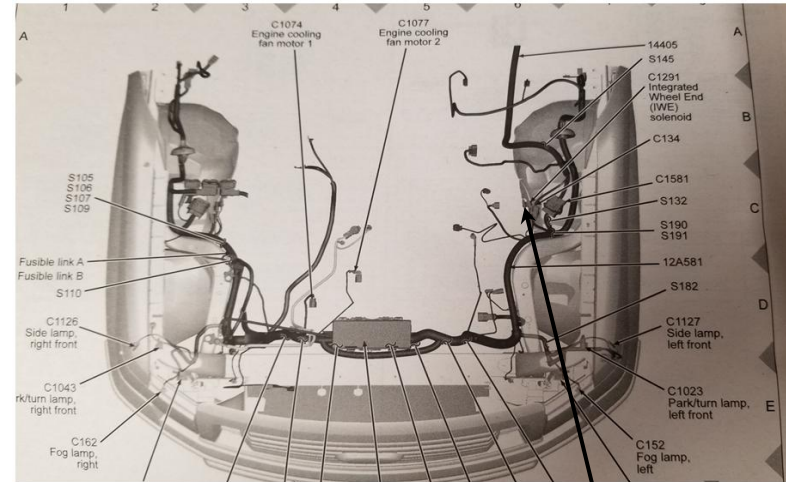


For Ground- Gen1 and other vehicles, Use self tapping screw into "A" pillar , For Gen2 use ground lug on "A" pillar near BCM

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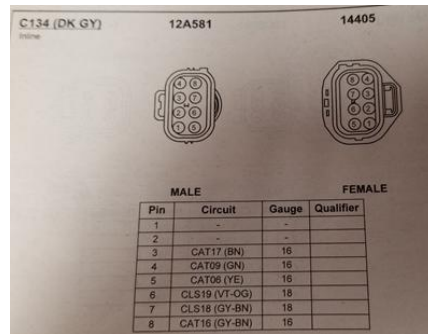
## Wire Harness Mounting Instructions (Under hood On driver side on wheel well)

2010 F-150				
Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C134	#8	GY-BN 16 gauge wire

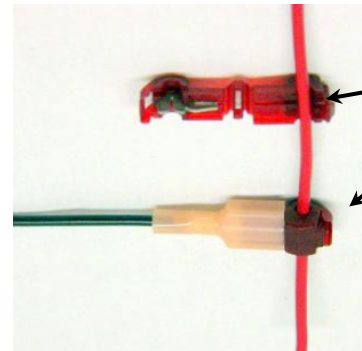


C134 Connection

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.

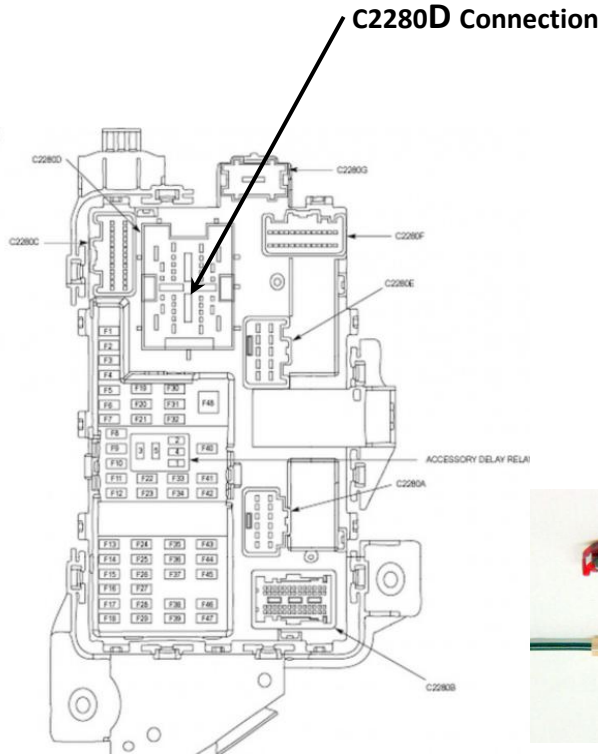
**Step -4** Connect the correct wire from the supplied harness to the new Tap connector

**\*\* 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)

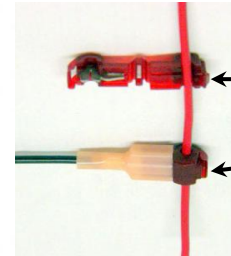
BODY CONTROL MODULE (BCM)



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

**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.



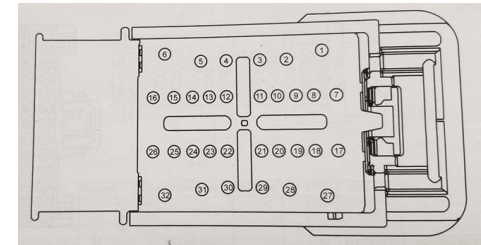
**Step 3-** Insert / place the Tap Connector around the wire and squeeze closed.

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

2011-2014 F-150				
Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C2280D	#13	BU-WH

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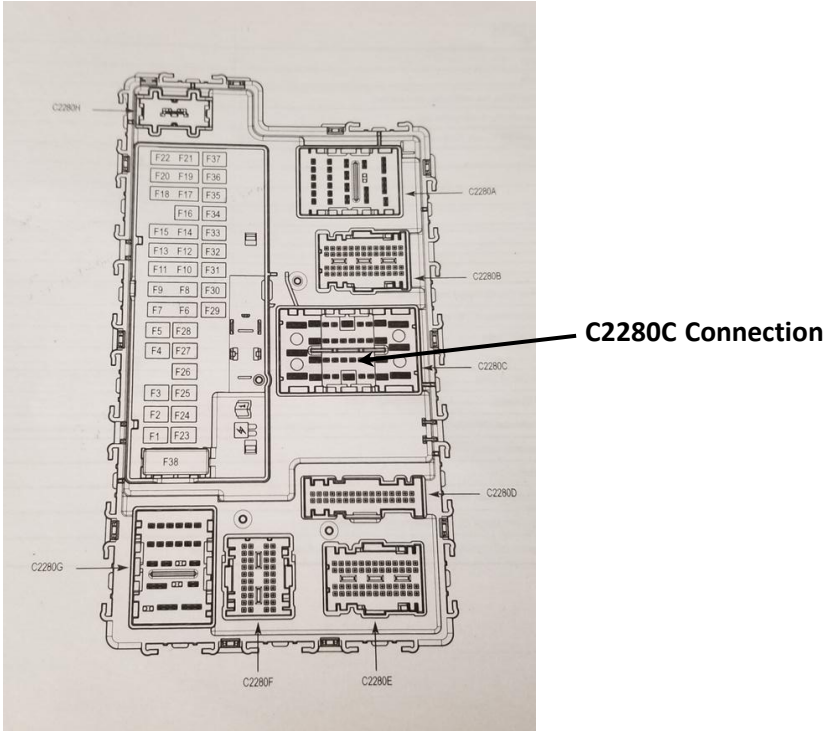


**C2280D Connection**

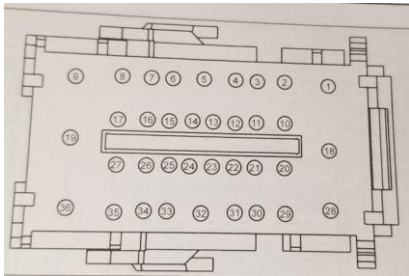
# Wire Harness Mounting Instructions BCM Control Connection Points

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

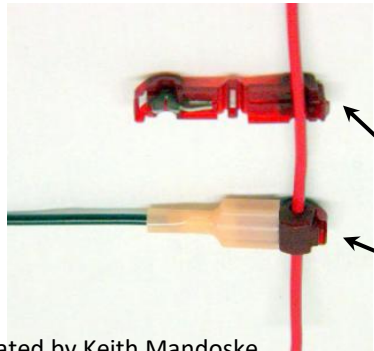
2015-2023 F-150				
Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C2280C	#11	GN-BN



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



**C2280C Connector**



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- 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\*\***

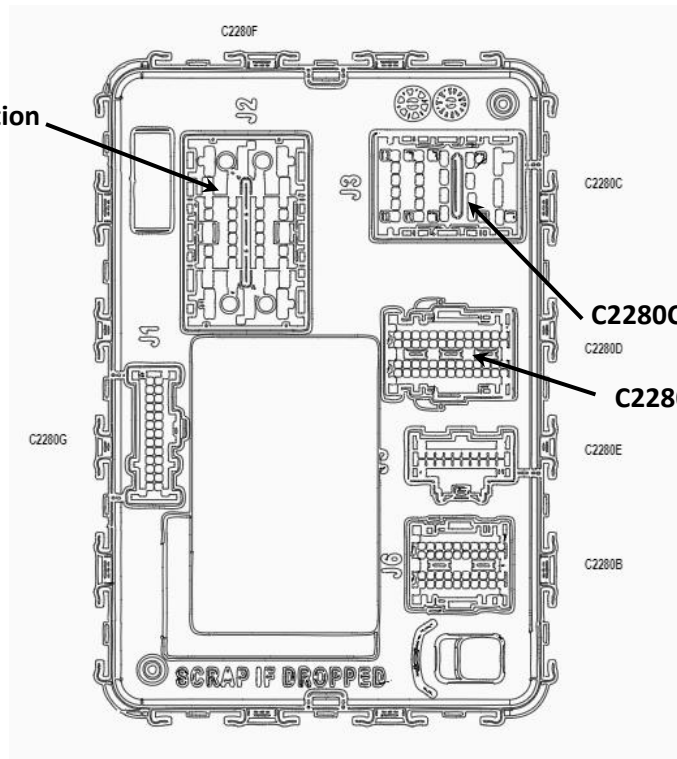


# Wire Harness Mounting Instructions

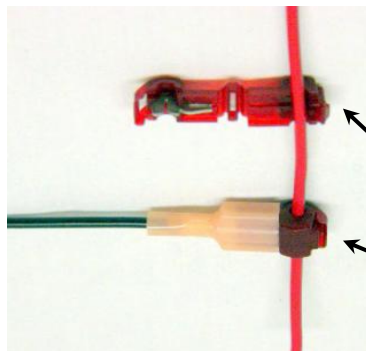
## BCM Control Connection Points

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

2024 F-150				
Wire Color	Use	Connector	Pin Number	Ford Wire Color
White	Reverse	C2280C	#3	GN-BN



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.
- 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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# **LVJ** *Motorsports* LLC

**For Questions or Comments Contact**

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**7 days a week**



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