

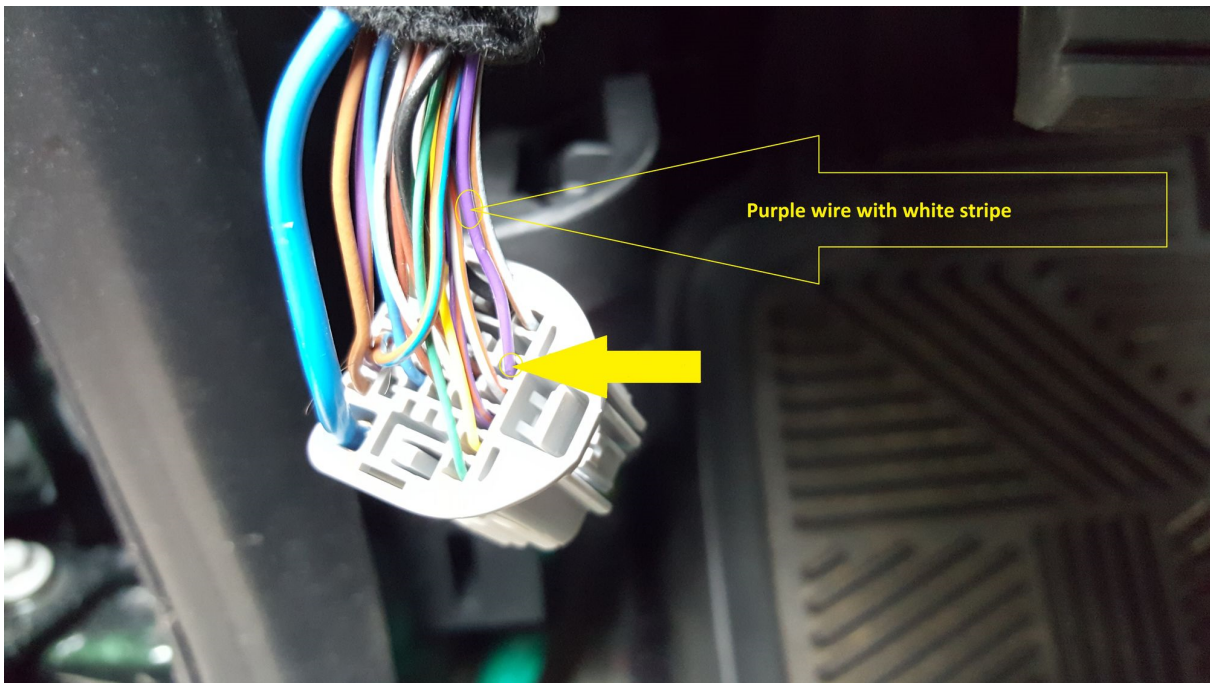
Somewhere I read mention of this being in a green tape bundle on the driver's kick panel.....

Ok, finally found the 3rd brake light wire. Its under the panel to the left of the driver. Its covering the parking brake.

Note the wire my arrow is pointing to.

I ran a single 14 gauge wire (my cap doesn't have a dome light so I didn't need 2) through the rubber grommet under the carpet of the driver to the bed of my truck. I have a bed rug so I was able sneak the wire in through the big opening in the back of the bed and feed the wire along the inside of the bed on the side under the bed rug.

For my ground wire, I attached to one of the screws of the boxlink. Again it's hidden because of the bedrug.



Originally Posted by ncmudpuppy

Thanks to Leer - they sent me the answer. Under the driver side kick panel there are several wire bundles. The bundle that goes into the harness with green tape on it has a purple/white wire. This is the circuit to the Cabin High Mount Stop Light. Test it to be sure BEFORE any connections. Splice in to to this purple/white wire to run your wire into the engine compartment. On the fire wall is a big rubber grommet where the wiring harness exits the cabin. Each end of this grommet has a cable tie closing the channel for the wires. You will need to cut these cable ties and replace when finished. Takes two people to get your wire thru this grommet because it is not a straight shot. I used a large phillips screwdriver to push thru from the cabin, while being careful not to poke a hole in the rubber channel, and then taped my wire to the end and pulled it back thru. I picked up power and ground directly from the battery. Make a wire bundle out of your 3 wires and run them back to the driver's side back corner of the bed. I cable tied my wires to existing wiring harness, etc to have them up and protected from brush, rocks, etc. Best bet would be 30' of wire loom but I didn't have that much. I put a waterproof fuse link at the battery on the positive side to be safe. Fish your wire bundle thru existing frame holes to access the Cap wiring. I did use

wire loom here to protect pulling the wires thru the frame holes. I now have the dome light and the Cap brake lights working with no error messages from the truck computer. The whole project would have gone a lot faster if the truck had been on a lift while running the wires to the back. Good Luck.

Hi Richard,

Did you remove the kick panel next to your left foot and find this same connector on your 2016? My cap has been on since October and all is well. I confirmed with a cap dealer that's where they get the 3rd brake light wire from.

Assuming Ford hasn't changed the location / wire bundle, its the purple with white stripe wire.

Hi ... first, thanks for the pictures. Without OP's and your help in this topic I would be at the mercy of ignorant and/or arrogant dealer installers who would obviously screw up on this.

I have not looked under the kick panel yet. I am assuming that the situation has not change from 2015 to 2016. This is my Plan B ... a long way via engine compartment.

I am still researching and surveying the underbody of my truck looking for other more convenient connection location. That would be my Plan A ... find the connection point somewhere under the truck closer to bed's gate. There is hope ... I will know more today.

I found some Ford Fleet wiring diagrams for 2015, 2016 is still not available. According to the diagrams, the STOP LAMP violet-white wire is part of standard truck frame wiring and present, as you found out in the cabin front, but also in the cabin back (obviously) to power the OEM stop lamp (CHMSL) on the cab, and also in the harness that goes all the way back where taillight assemblies and trailer accessories plug in.

I just need to be careful since there are two different VIOLET-WHITE wires present in the harness. One identified as STOP LAMP circuit CCB08, and another as PARK LAMP circuit CLS30. Once I find those, I will have to do some good testing to identify what is what.

This is continuation of the Where is Brake Light Wire? topic with an update or new info obtained for 2016 F-150.

The scoop ... pin 13 on the BCM connector C2280E (BN wire) was identified as the one used for original STOP/CHMSL light.

Richard W
Ford User
Hi there ...

Re : 2016 F-150, connecting the CHMSL on the topper/cap to the truck's stop lamp circuit.

Looking for stop lamp (CHMSL) wire under the bed. I know there is one violet-white in the cab, but is there one under the bed?

TIA ... Richard

BTW, I will need harness info, connector info, wire id/color info for the above, or the wiring diagram with these details would be really helpful.

A. P...

Ford Mechanic

The wire for the third brake light on the back of the cab, there is no wiring at the back of the truck for it. It comes from the dash fuse box to the third brake light. You cannot tap into the left or right tail light/brake light because you will cause a load on the circuit and blow the fuse in the fuse box or possibly damaged the dash fuse box which is a module.

Richard W

Ford User

I am not planning to tap to the taillights ... therefore my original question about stop lamp (CHMSL) wire, and I know there is one in the cab. Not sure about the details.

Could you provide the details where in the dash fuse box is the desired connection ... color, identification, circuit, etc?

A. P...

Ford Mechanic

Ok. The dash fuse box, called the BCM or body control module is located under the passenger side of the dash behind the kick panel below the glove box. Below is the wiring diagram and the wiring connector in the BCM for the 3rd brake light.

WIRING DIAGRAM FOR CHMSL (STOP AND CARGO LIGHTS) ...

http://f01.justanswer.com.s3.amazonaws.com/3202add3_1.pdf

BODY CONTROL MODULE (BCM) CONNECTOR C2280E PINOUT ...

http://f01.justanswer.com.s3.amazonaws.com/792f183a_2.pdf

Richard W

Ford User

Okay, the way I read it ... it would be pin 13 and/or brown wire coming from BCM. Correct?

A. P...

Ford Mechanic

Correct.

Richard W

Ford User

Okay then ... last followup ... the ground for cap's stop lamp (CHMSL) ...

May I use the existing OEM ground post which is mounted on the frame under the bed ... one where main tail lights harness is grounded?

A. P...

Ford Mechanic

Yes, you can use any existing ground.

A follow up conversation with some more info ...

Richard W

Ford User

Two more questions ...

What about the increased load on BCM when splicing additional lights into BCM pin 13 and 26?
Could you also include the diagram for C2280C connector with "puddle lamp" pin 26.

A. P...

Ford Mechanic

As long as they are LEDs or small what we call peanut bulbs, you are ok.

Below is the pin out of connector C2280C.

BODY CONTROL MODULE (BCM) CONNECTOR C2280C PINOUT ... pin 26 ... PUDDLE
LAMP

http://f01.justanswer.com/s3.amazona...176fc6ea_1.pdf