# Emergency Engine Shut Off Switch Installation Procedure 2019+

The following is a procedure for installing an emergency engine shut off switch in 2019+ Ram 3500, 4500 and 5500 chassis/cab trucks equipped with gasoline and diesel engines. This procedure involves cutting the ignition run/start circuit and splicing wires that will be routed to the desired location of the up fitter provided switch.

1. Identify PDC located at the front left corner of the engine compartment (Image 1) and remove it from the bracket.
2. Remove the “C” connector from the PDC. This will be the large connector with the black shell. (Images 2 & 3)
3. To make the next few steps easier, push the bail back to the “locked” position after the connector is removed.
4. Identify the wire in cavity 28 of the connector. Note that the cavity numbers are marked on the back of the shell (Image 4). The wire you are looking for is pink with a violet tracer.
5. Cut the wire approximately 2 inches from the connector and strip both ends.
6. Solder splice extension wire to each end and cover splice with sealing heatshrink tube. Note that wire gage should be 18 gage minimum. If total length of added circuit is 10 feet or more, extension should be 16 gage minimum.
7. Tie wires back to create a good strain relief and drip loop. Route extension wires out from under PDC along the harness bundle
8. Install “C” connector into PDC.
9. Install PDC into bracket.
10. Route extension wire to desired location. Be careful to isolate wires from areas that could cut or chafe the wires.
11. Install switch. Switch should be a single pole single throw or equivalent with contacts rated for 5 amps at 13.5 volts minimum. Opening this circuit (switch) is not considered to be a normal mode of operation. Using this switch as a normal method of stopping the engine should not be done as some fault codes may be set depending upon engine type and key switch position while this circuit is open. This should be used for emergency only. Once the circuit (switch) is closed, the engine/starting system will start to function properly and any stored faults will eventually mature out.

Image 1

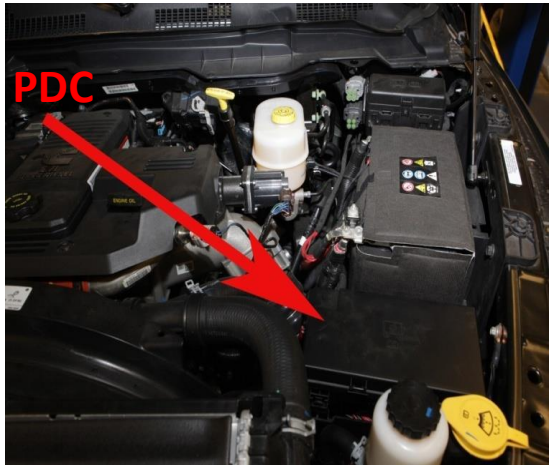



Image 2

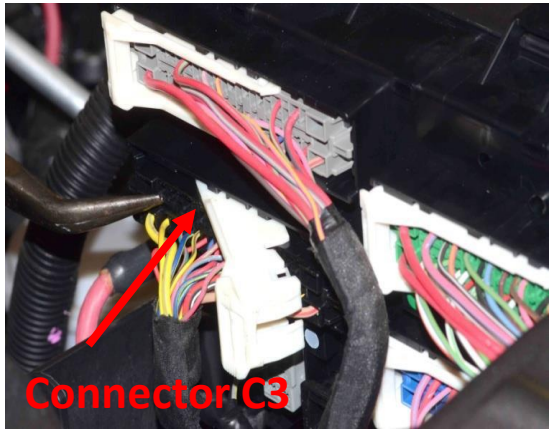



Image 3

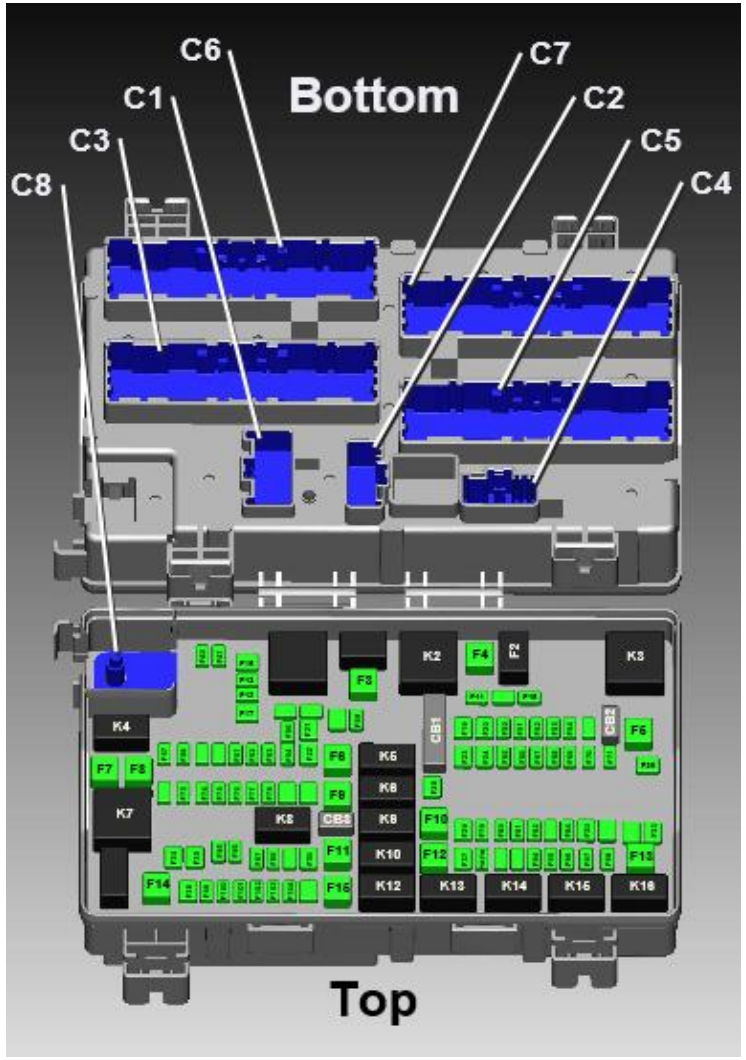
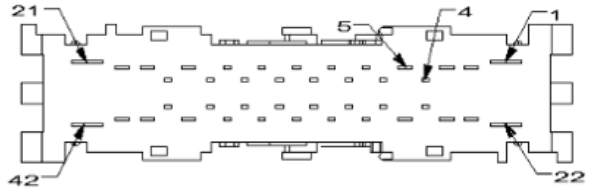
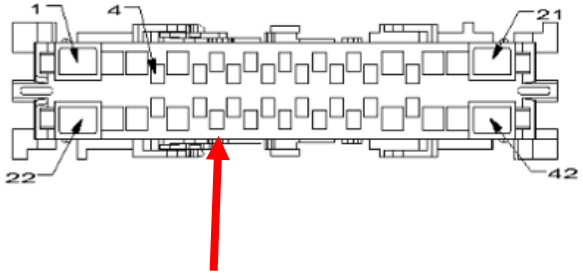



Image 4

Mating Side:




Wire Insertion Side:




**Cavity 28 in connector C3**