



Preparation:

- Disconnect the negative battery terminal. Park the vehicle on level ground and set the emergency brake.
- We recommend reading through the installation instructions in whole before performing the work.
- Estimated Installation Time: **1 Hour if Relocating ACC as Part of a Bumper Replacement**
2 Hours for ACC Relocation Only

*****This installation requires 2 people for best results*****

You will need the following tools:

- | | | |
|---------------------------|-----------------------------|-------------------------|
| - Ratchet | - 10mm Socket | - 11mm Socket |
| - E6 External Torx Socket | - 3/8" Drill Bit | - Drill |
| - 9/16" Socket & Wrench | - 7/32" Allen Wrench/Socket | - 7/16" Socket & Wrench |

Included in Kit:

- | | |
|---|--|
| 2 - Hex Head Bolts (3/8-24 x 2 1/2") | 3 - Hex Head Bolts (3/8-24 x 1") |
| 3 - Metal Lock Nuts (3/8"-24) | 6 - Button Head Bolts (3/8-16 x 3/4") |
| 6 - Nylon Lock Nuts (3/8"-16) | 12 - Flat Washers (3/8") |
| 4 - Machined Spacers (3/8") | 1 - Drilling Template Washer (3/8") |
| 2 - Hex Head Bolts (1/4"-20 x 3/4") | 1 - Carriage Bolt (1/4-20 x 3/4") |
| 5 - Flat Washers (1/4") | 3 - Nylon Lock Nut (1/4"-20) |
| 1 - Relocation Bracket Upper Piece | 1 - Relocation Bracket Lower Piece |
| 1 - Cruise Module Conversion Plate 1 | 1 - Cruise Module Conversion Plate 2 |

******This kit covers more than one make and model of truck. If there is unused hardware at the end of the installation, it is most likely hardware that is used on a different model truck than the installation was performed on.******

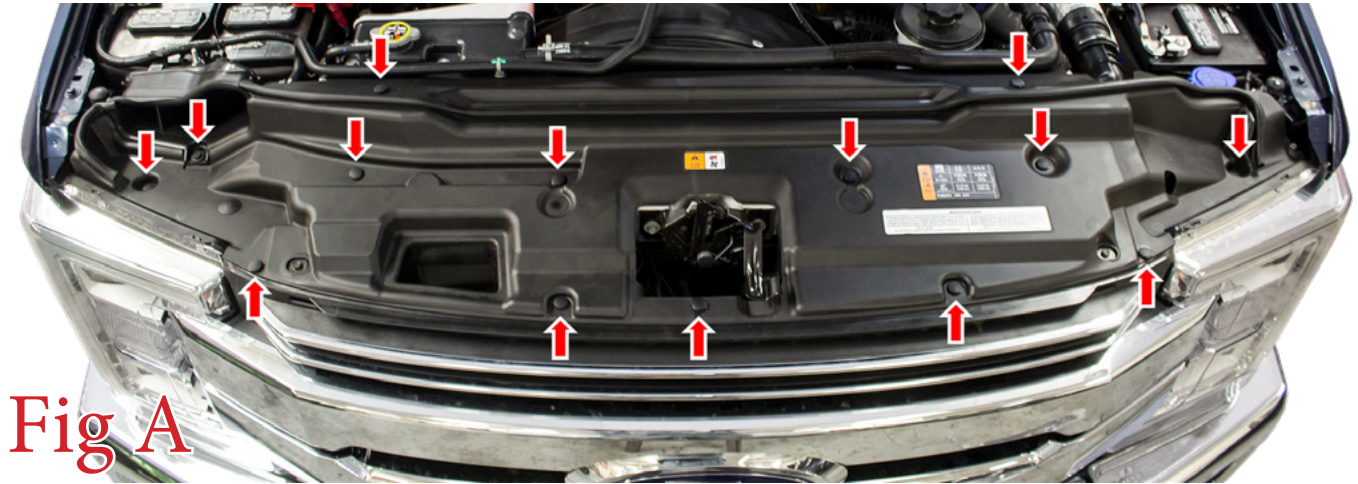
******By installing this product, you are accepting liability for potential changes in the characteristics/sensitivity of your adaptive cruise control system. If you do not wish to install this product, you may return it for a full refund.******

******After the installation of this product, your adaptive cruise control module may have to be recalibrated by a Ford technician.******

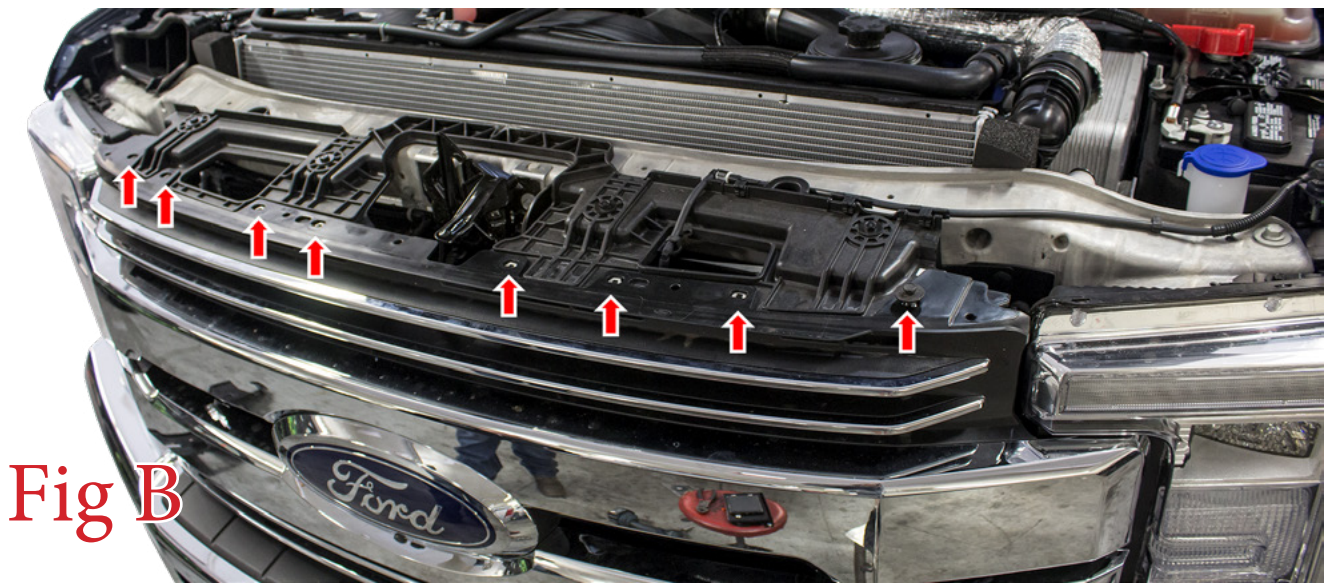


Removal:

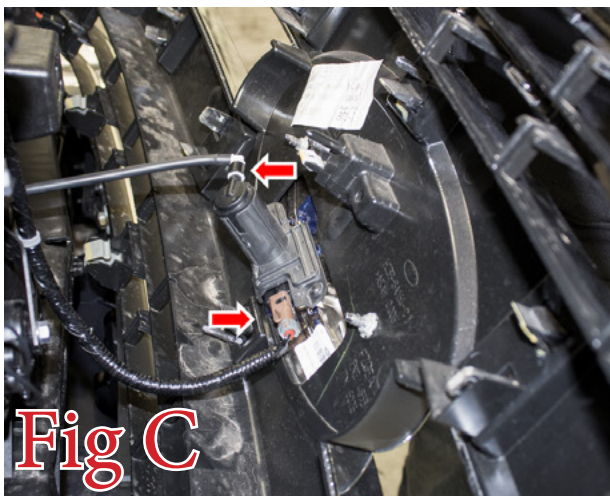
1. Remove the plastic clips that hold on the radiator cover. Then, remove the radiator cover. (Fig A)



2. Use a 10mm Socket to remove the grille mounting bolts (x8). (Fig B)



3. Pull the grille off. As you are pulling the grille off, make sure to unplug the front camera and water line (on the back side of the grille). (Fig C)





4. On the driver side of the vehicle, pull off the plastic cover referenced in (Fig D).



5. Remove the two 10mm bolts holding on the second plastic cover on the driver side of the front bumper. Then, remove that cover. (Fig E)

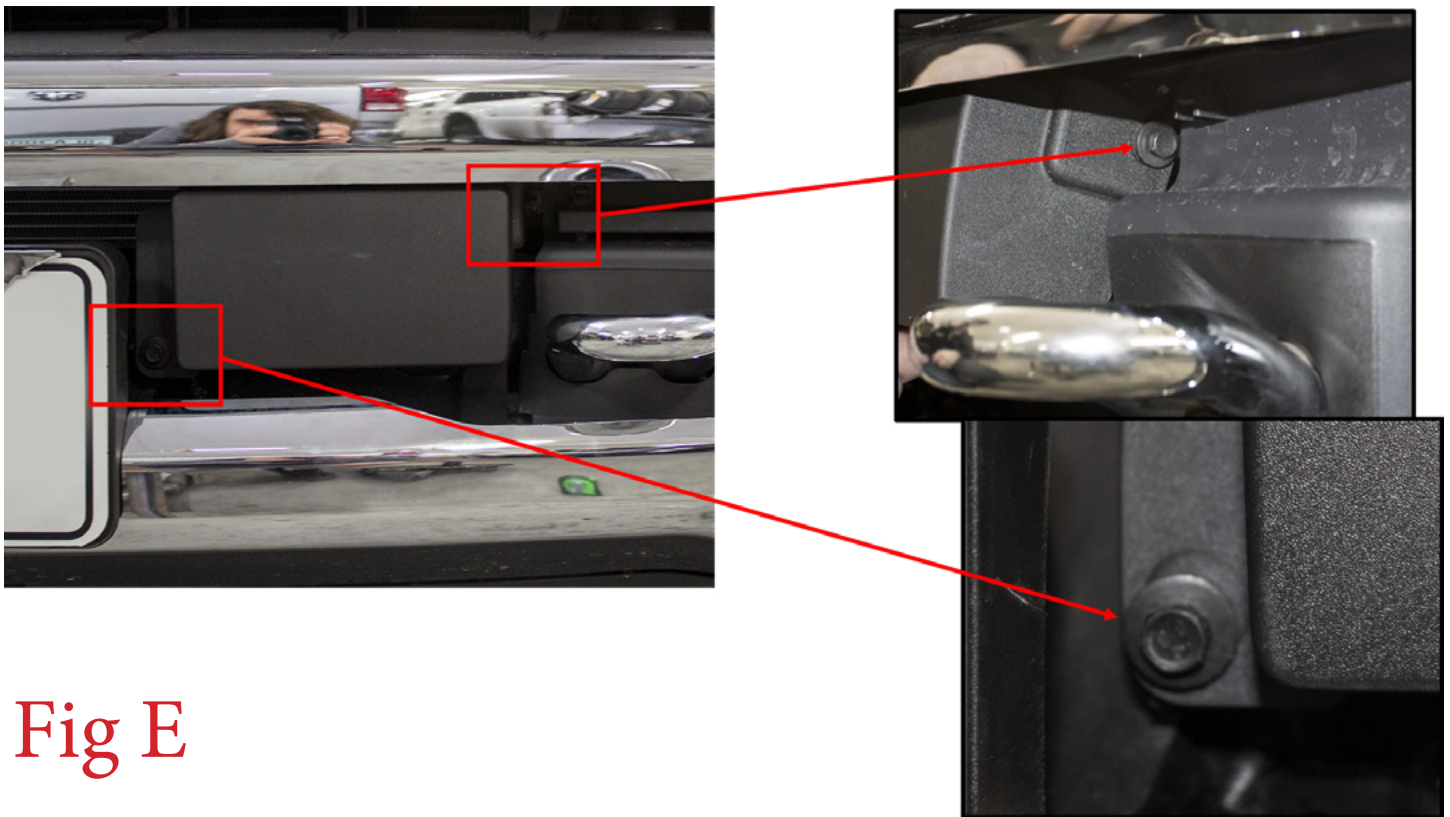
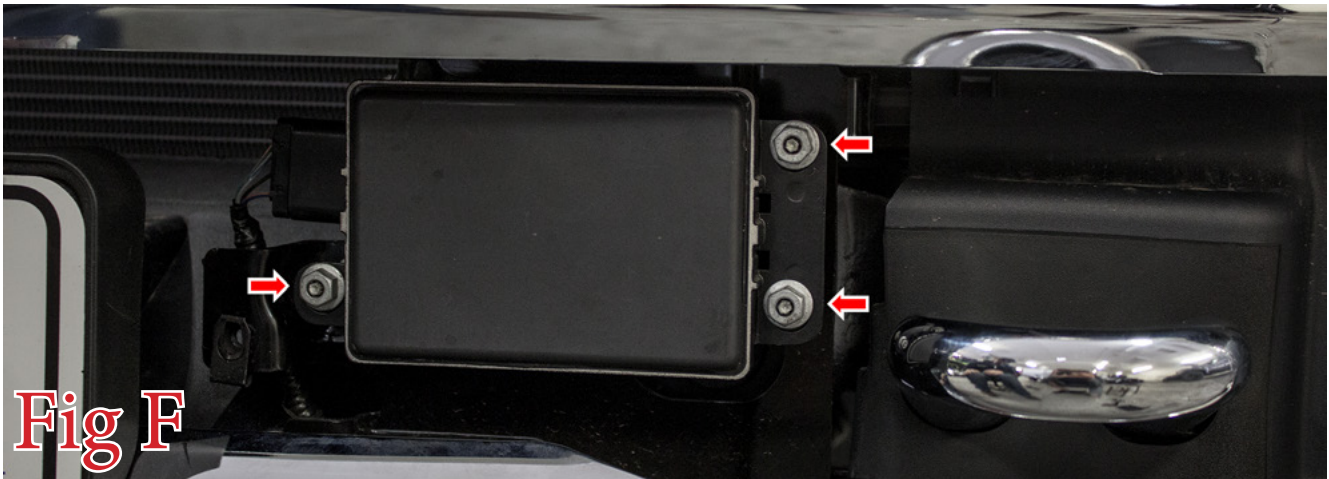


Fig E



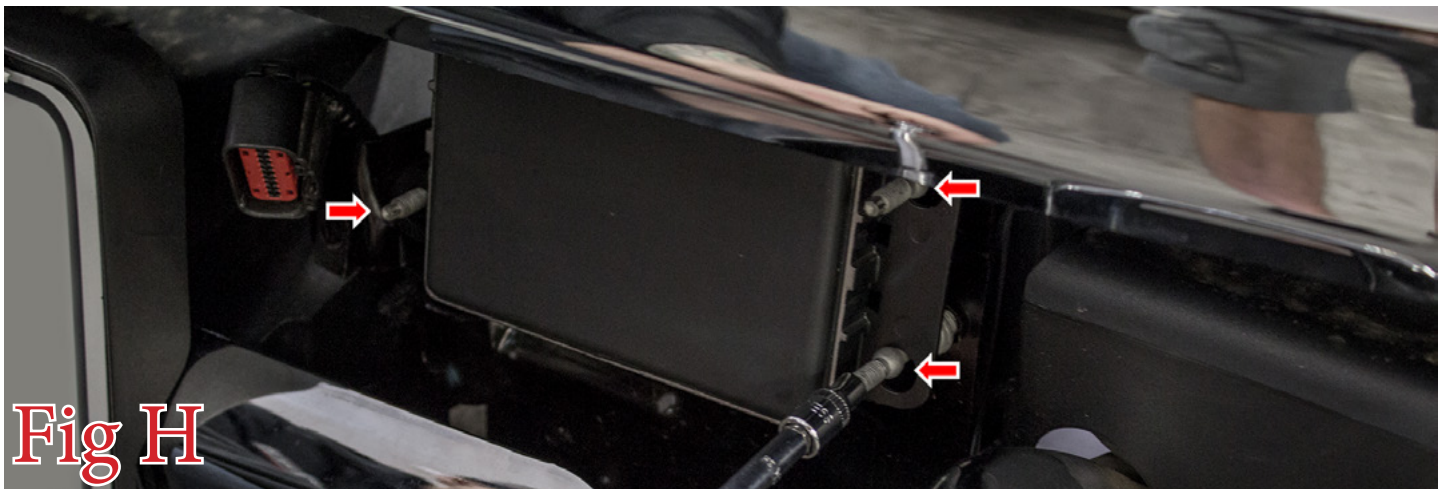
6. Your Adaptive Cruise Module may look different than the one pictured in Steps 6-9, but the removal procedure will be exactly the same. Using an 11mm Socket, remove the Adaptive Cruise Control Module mounting nuts. (Fig F)



7. Unplug the module. (Fig G)



8. Using an E6 External Torx Socket, remove the Adaptive Cruise Control Module mounting studs (x3). Then, remove the module from the vehicle. (Fig H)





9. Remove the stud/plastic sleeve from the Adaptive Cruise Module. (Fig I)



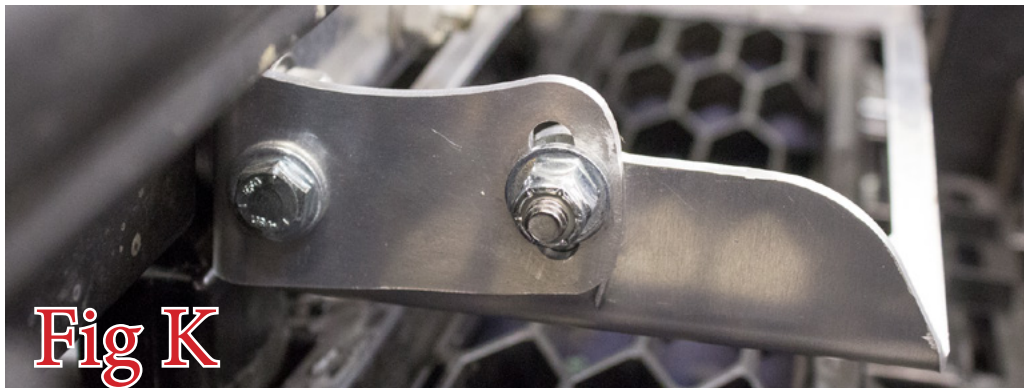
10. Prepare to install your new ADD Adaptive Cruise Control Bracket.

Installation:

11. Assemble your Relocation Bracket. For this step, you will need a 7/16" Socket & Wrench. Use the supplied 1/4" Hex Head Bolts (x2), 1/4" Washers (x4), and 1/4" Nylon Lock Nuts (x2) on the non-slotted holes. For the slotted hole, use the supplied 1/4" Carriage Bolt (x1), 1/4" Washer (x1) and 1/4" Nylon Lock Nut (x1). ()

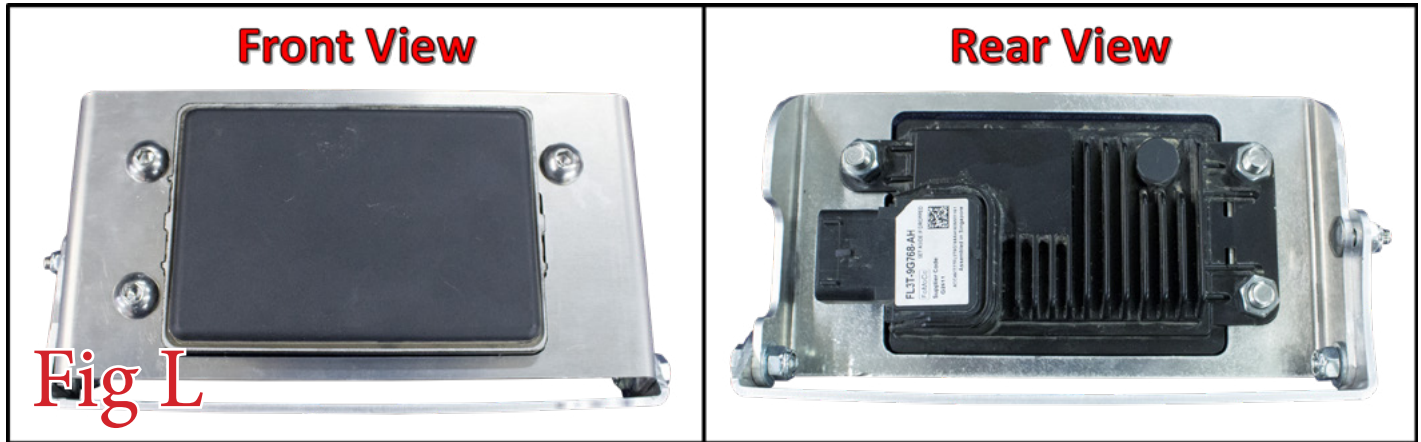


12. The recommended starting point for the slotted hole is center slot. (Fig K) Once everything is installed, you can adjust that to preference. Once all the mounting bolts are in place, go back and tighten them all to 8 foot pounds. (Fig K)

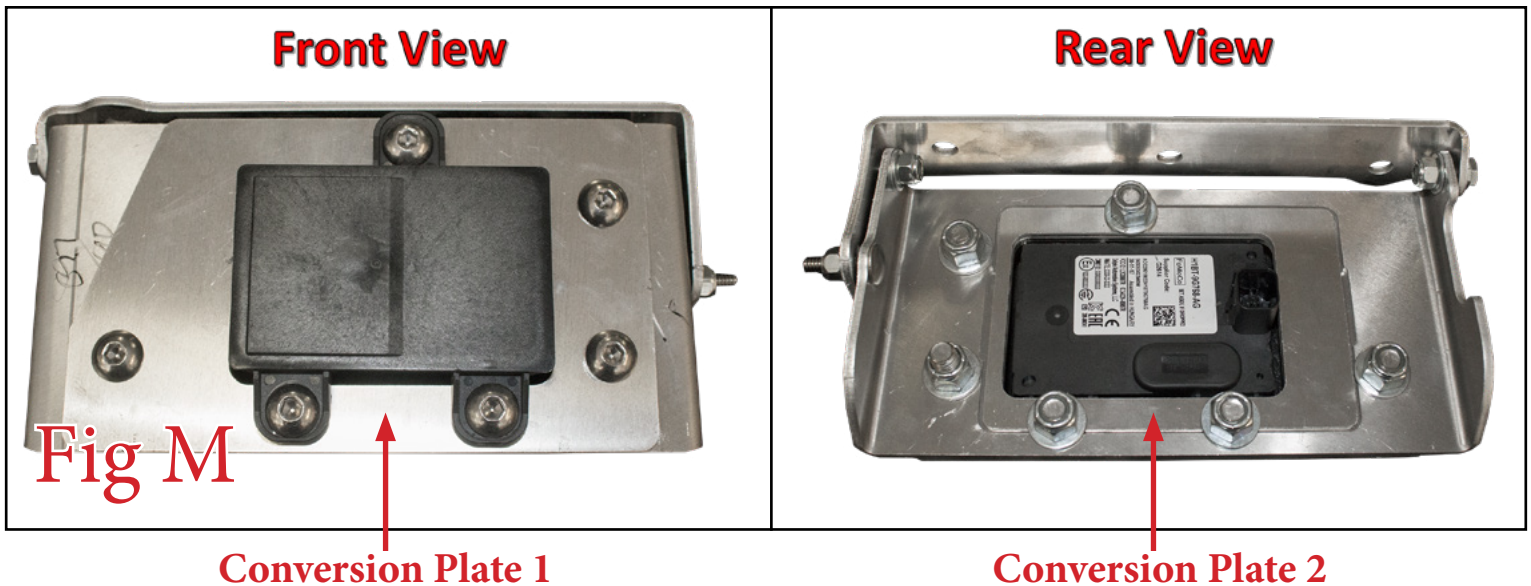




13. If your Cruise Module does not look like the one pictured in (Fig L), skip this step. Bolt your Adaptive Cruise Control Module to the Relocation Bracket. Use a 7/32" Allen Wrench and a 9/16" Wrench with the supplied 3/8" Button Head Bolts (x3) and 3/8" Lock Nuts (x3). Once all the bolts are loosely installed, torque them to 20 foot pounds. (Fig L)

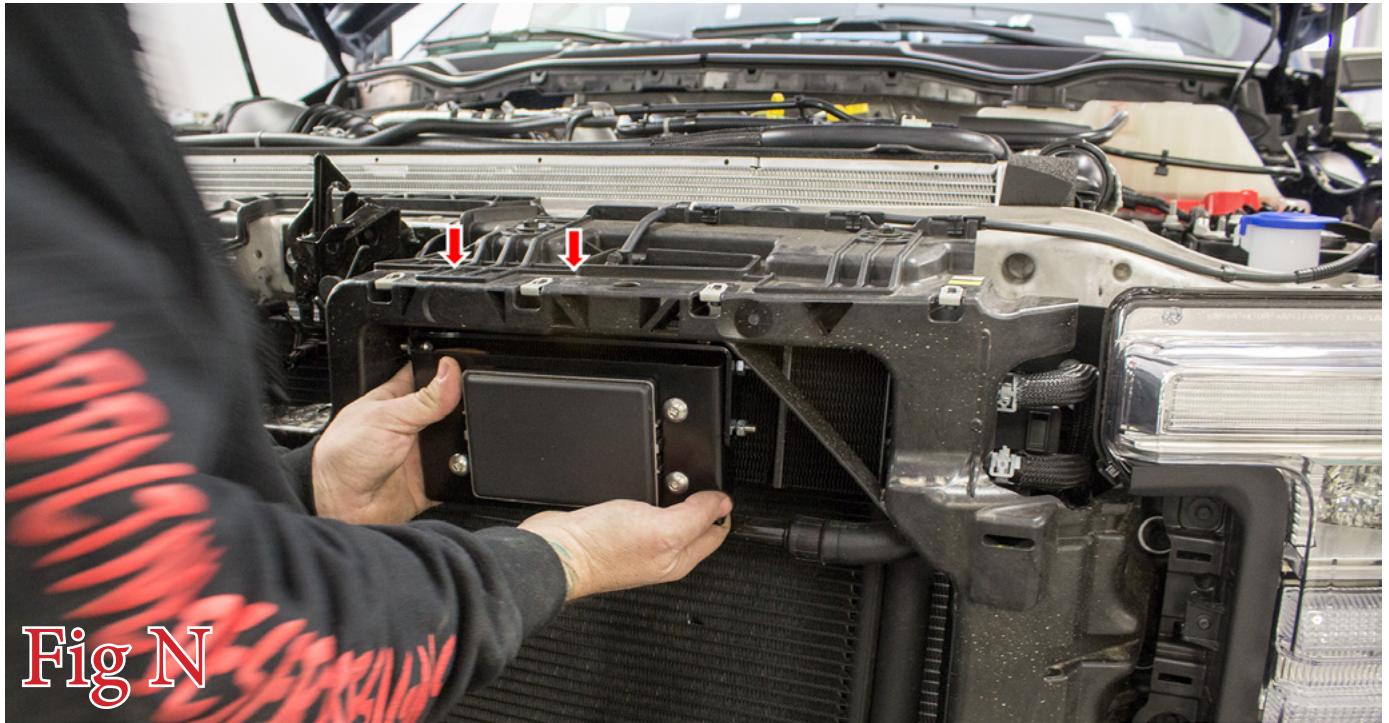


14. If your Cruise Module does not look like the one pictured in (Fig M), skip this step. Find both Conversion Plates and attach your Cruise Module to the Relocation Bracket as shown in (Fig M). Use a 7/32" Allen Wrench and a 9/16" Wrench with the supplied 3/8" Button Head Bolts (x6), 3/8" Washers (x6), and 3/8" Lock Nuts (x6). Once all bolts are loosely installed, torque them to 20 foot pounds.

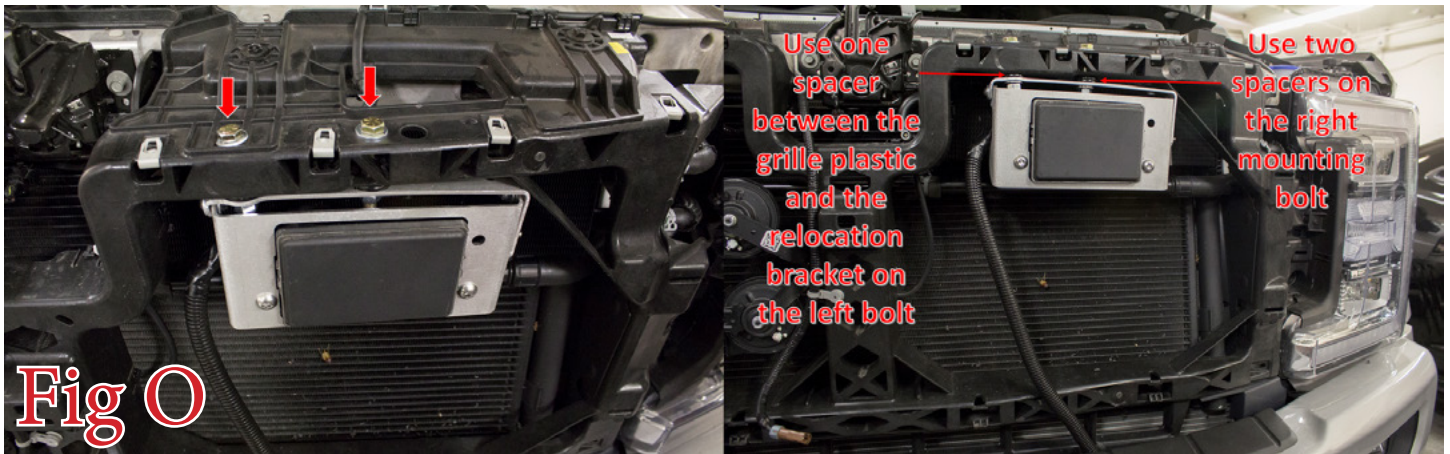




15. Position the Relocation Bracket as shown in (Fig N). Then, use the bracket as a template to drill up into the plastic above it. Only the two mounting holes closer to the center of the truck are used.



16. With a 9/16" Socket and Wrench, mount the bracket to the plastic above it. Use one of the supplied spacers on the left (passenger) side mounting bolt and two of the supplied spacers on the right side mounting bolt. Use the supplied 3/8" x 2 1/2" Hex Head Bolts (x2), 3/8" Washers (x4), and 3/8" Nylon Lock Nuts (x2). **Once the bracket is bolted in place, readjust the bolt from Installation Step 2. Set the bracket so that it is parallel to the grille, then point it about 2 degrees upwards (towards the sky) and tighten the adjustment nut.** (Fig O)





17. Remove the front bumper harness from the OEM front bumper. Do this by removing the series of plastic clips that hold it in place. (Fig P)

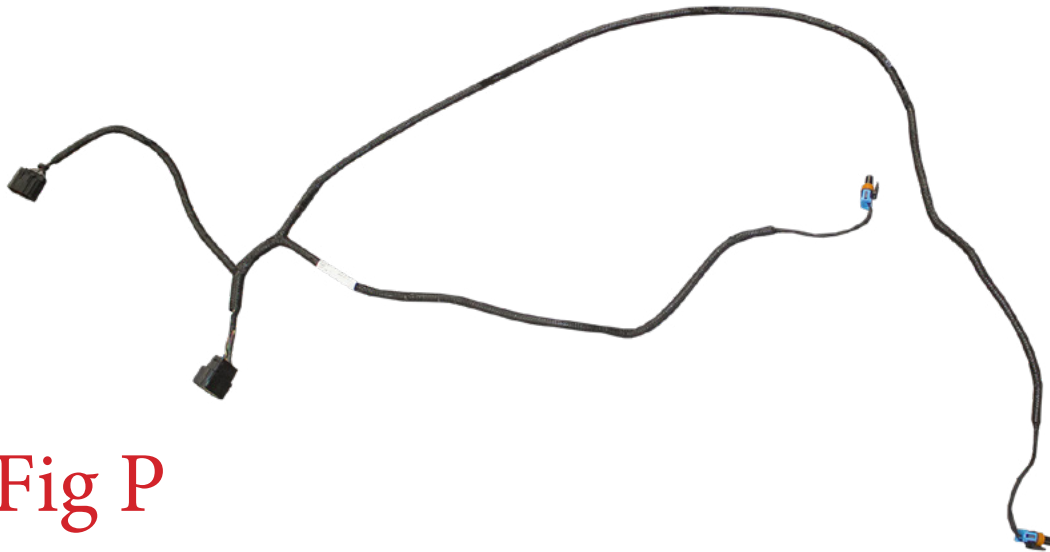


Fig P

18. Locate the connector that the front bumper harness plugs in to. (Fig Q)

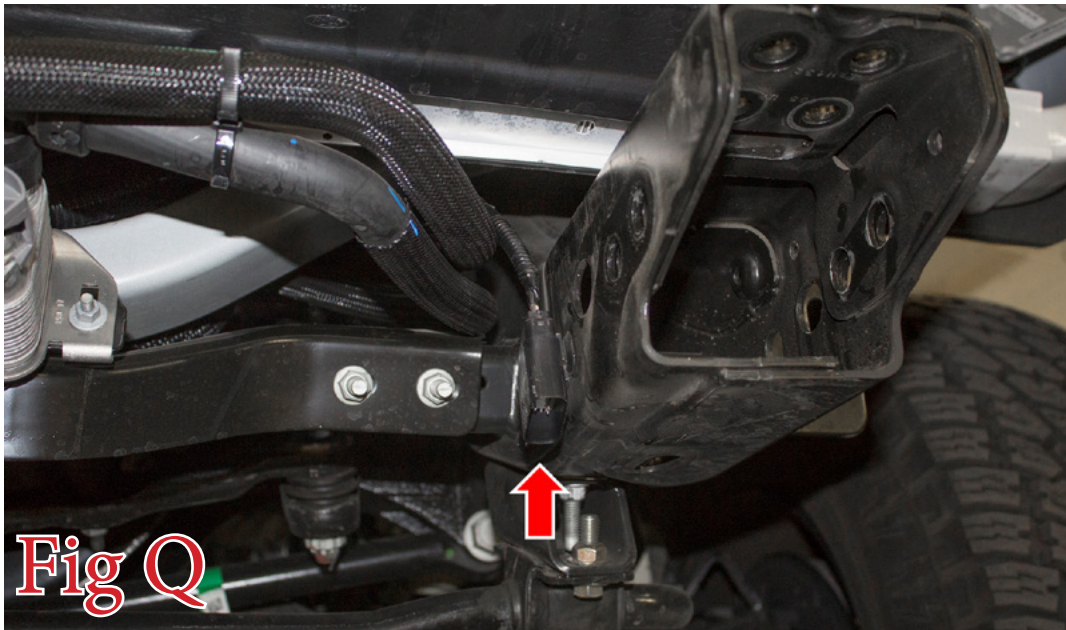


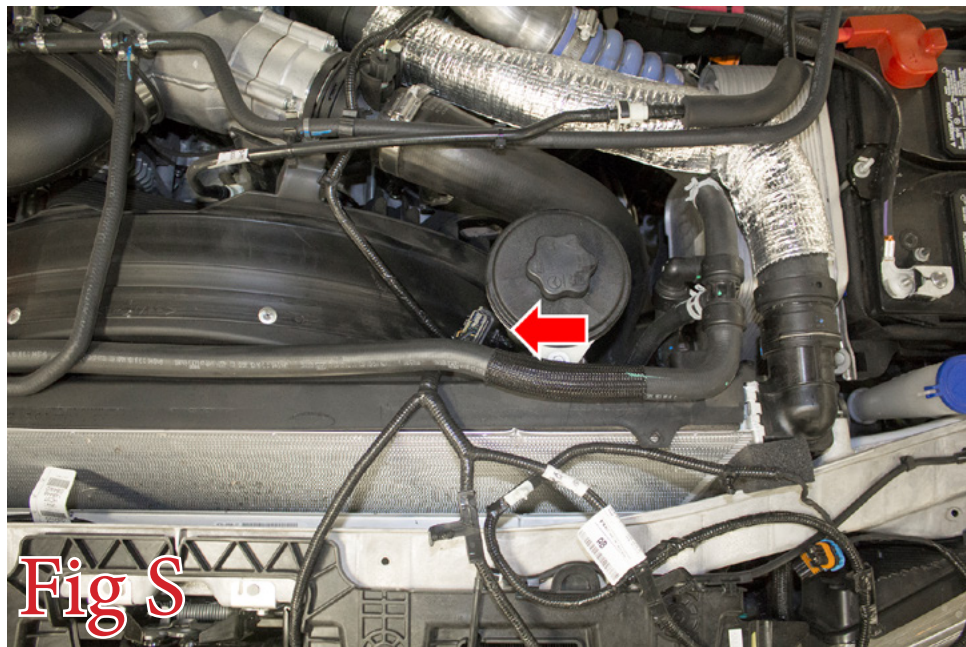
Fig Q

19. Starting at the connector from Step 18, follow the harness back and remove all the plastic clips you can reach.

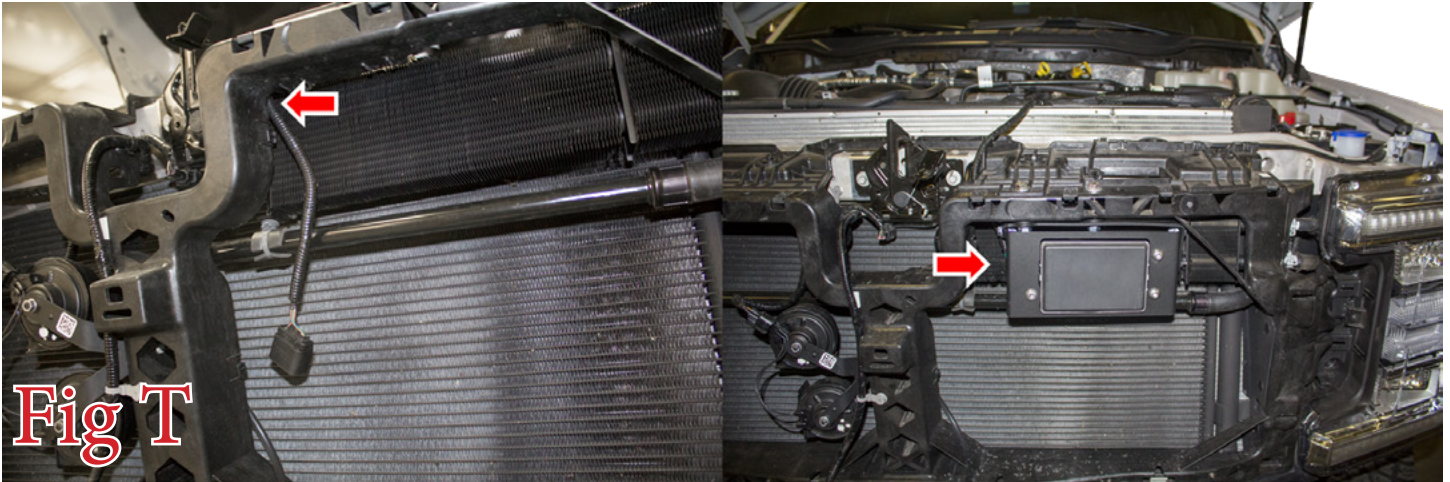
20. Pass the connector from Step 18 up through the engine bay as shown in (Fig R)



21. Take the harness you removed in Step 17 and plug it into the connector from Step 20. (Fig S)



22. Feed the Adaptive Cruise Module Connector through the grille area as shown in (Fig T). Then, plug it into your adaptive cruise control module.



23. At this time, you may zip tie extra wiring out of the way, or you can cut off and cap unused wires.
24. Reinstall the grille and radiator cover by reversing Steps 1-3. As you reinstall the grille, you will need to clearance the top plastic piece to clear the right mounting bolt. (Fig U)



25. If your adaptive cruise control is not sensitive enough or too sensitive, go back and readjust the position of the Relocation Bracket. Do this by adjusting where the bolt from Step 12 is sitting within the slotted hole. Face the module more towards the ground to make it more sensitive or face it more towards the sky to make it less sensitive.
26. Reinstall the plastic piece on your front bumper.
27. Stand back and enjoy your new ADD Adaptive Cruise Control Relocation Bracket.



For Additional Support or Technical Questions,
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