



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 |
| - 1 1/2" Hole Saw | - 7/32" Allen Wrench/Socket | - 7/16" Socket & Wrench |
| - 9/16" Socket & Wrench | - 7mm Socket | |

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)

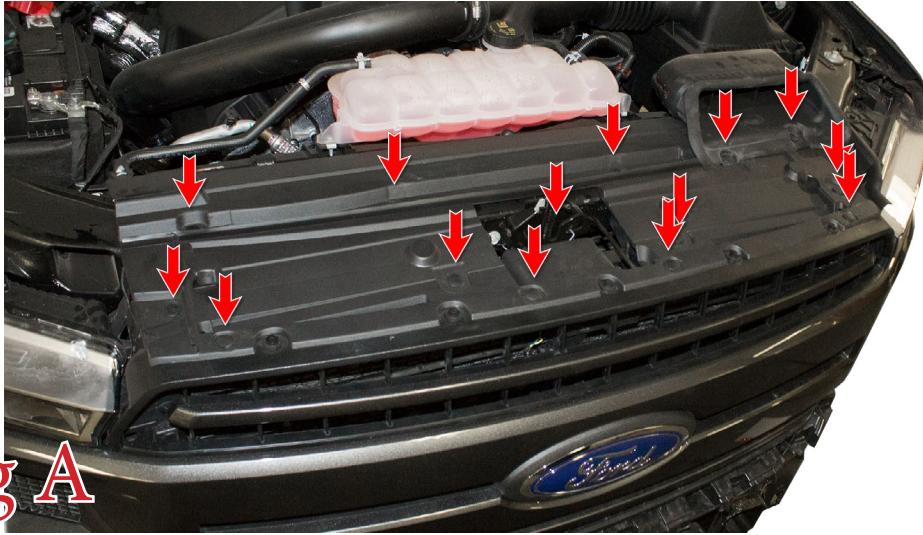


Fig A

2. Unplug the two connectors and undo the water line that are underneath the radiator cover. (Fig B)

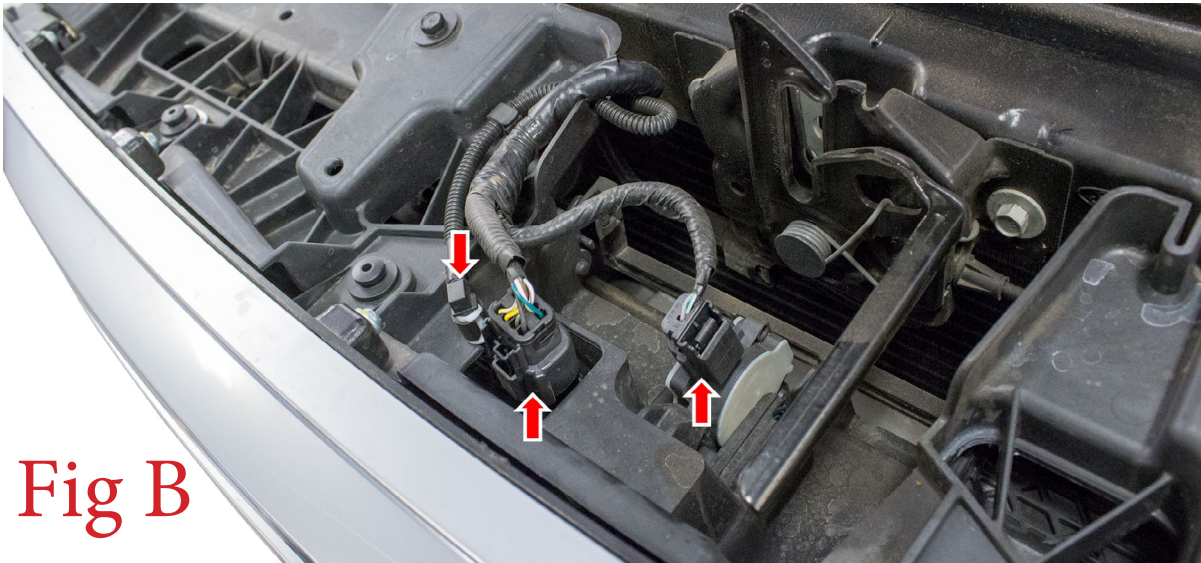


Fig B

3. Pull the plastic clip that holds grille harness to the grille. (Fig C)



Fig C



4. Using a 10mm Socket, remove the grille bolts (x4). (Fig D)

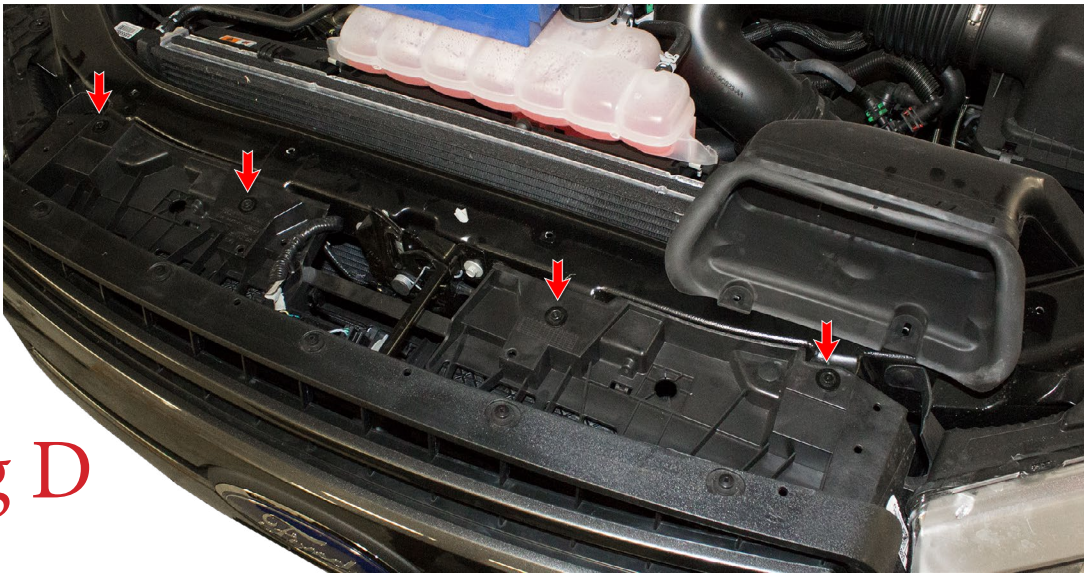


Fig D

5. Using a 7mm Socket, remove the 2 front wheel well bolts. Do this step on both sides of the vehicle. (Fig E)

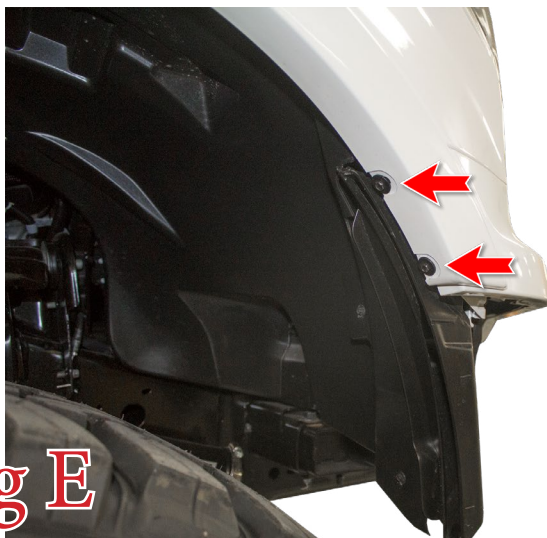


Fig E

6. Pull the fender flare away from the vehicle's valance. Then, remove the valance from the vehicle by gently pulling it forward. (Fig F)



Fig F



7. Using an 8mm Socket, remove the lower grille bolts. Then, pull the grille off the vehicle. (Fig G)



Fig G

8. Pull the front plastic piece off of the front bumper. There are no tools required for this step, this piece pulls off by hand. (Fig H)

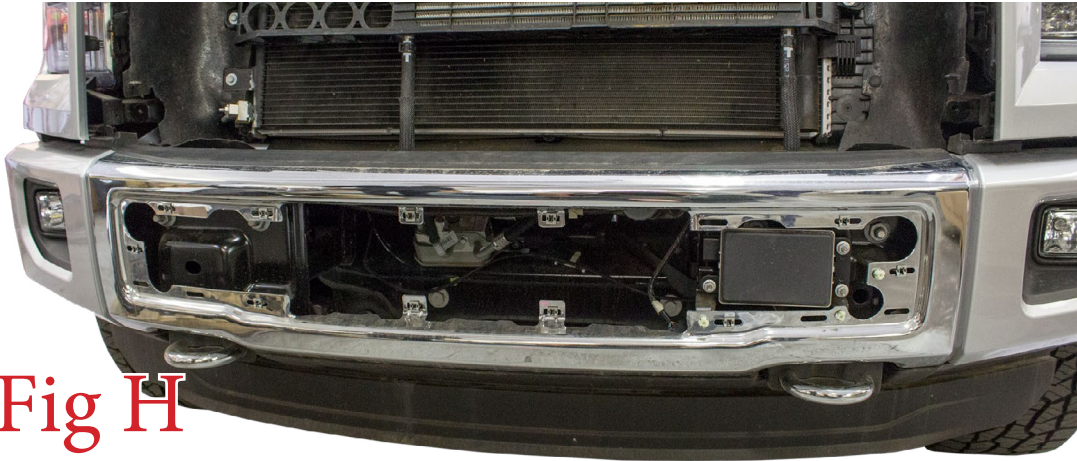


Fig H

9. Remove the adaptive cruise control module mounting nuts (x3) with an 11mm socket, unplug the module connector, remove the module mounting studs with an E6 external torx socket (x3), then remove the module from your truck. (Fig I)

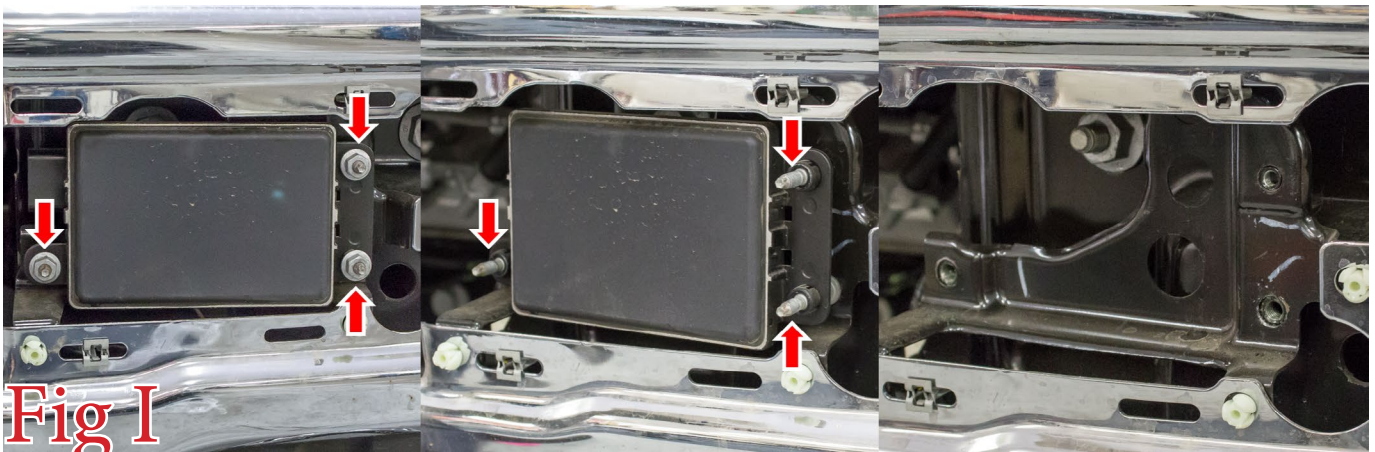
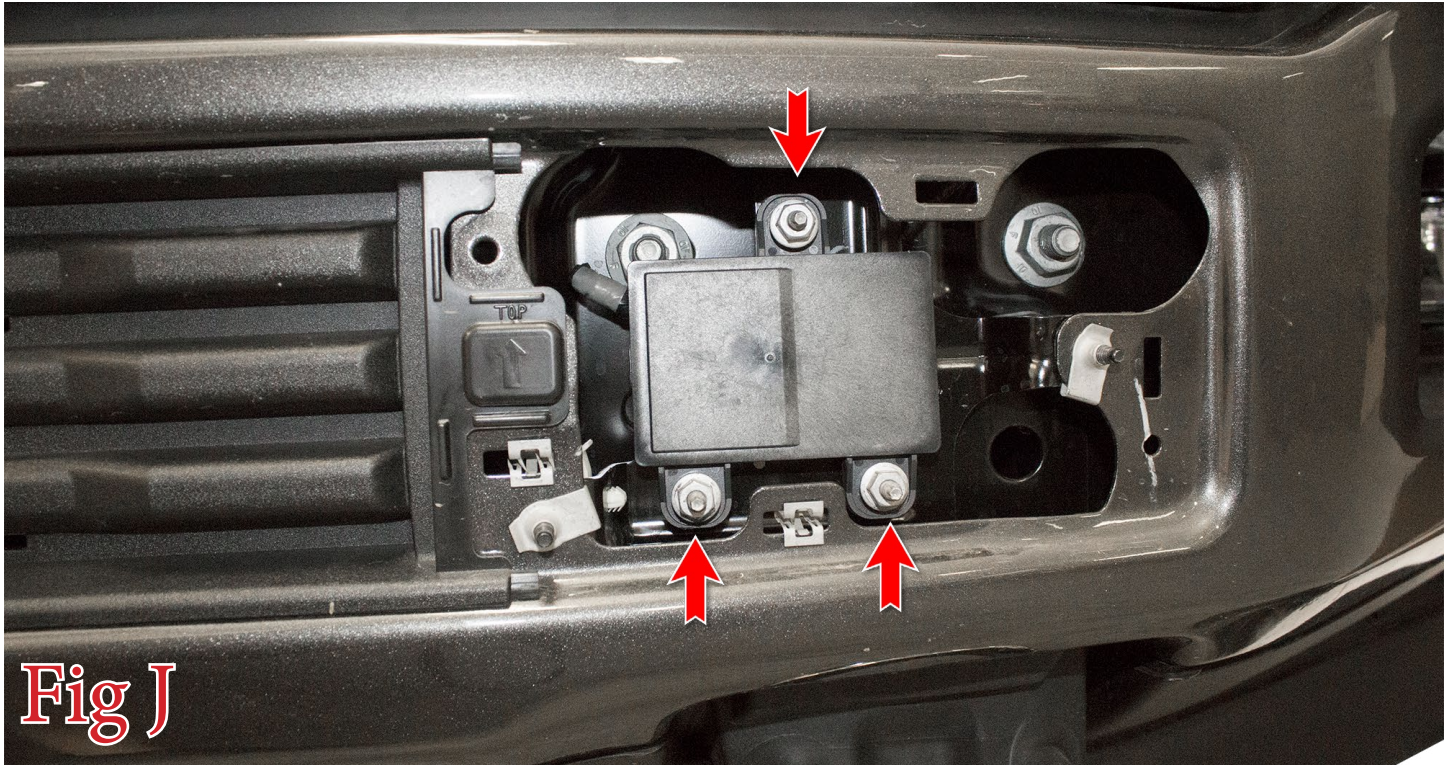


Fig I



10. There are two styles of adaptive cruise control modules. If your module does not look like the one in Step 9, your mounting nuts will be in a different position, but the **removal procedure will be exactly the same as in Step 9.** (Fig J)



11. Remove the stud/plastic sleeve from the Adaptive Cruise Module. (Fig K)





12. Remove the top three driver side grille shutters from the back side of the grille. To do this, remove the outer peg from its hole by bending the middle portion of the shutter outwards until there is enough clearance to release the peg. Then, rotate the shutter towards the front of the grille to release the outer pegs. When you are done, your grille should look like (Fig L)

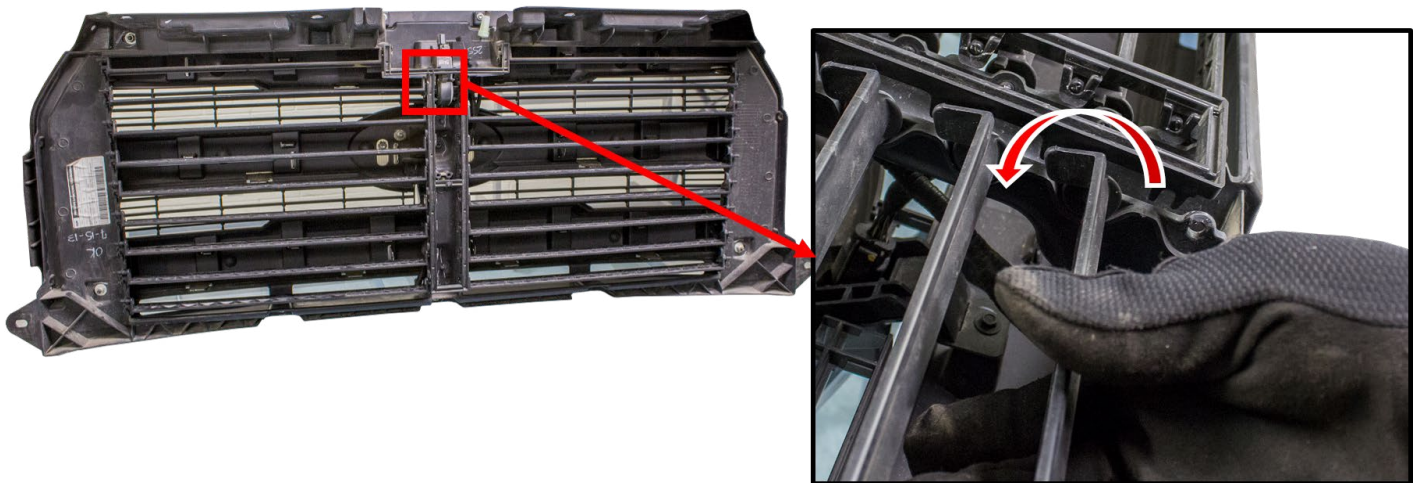
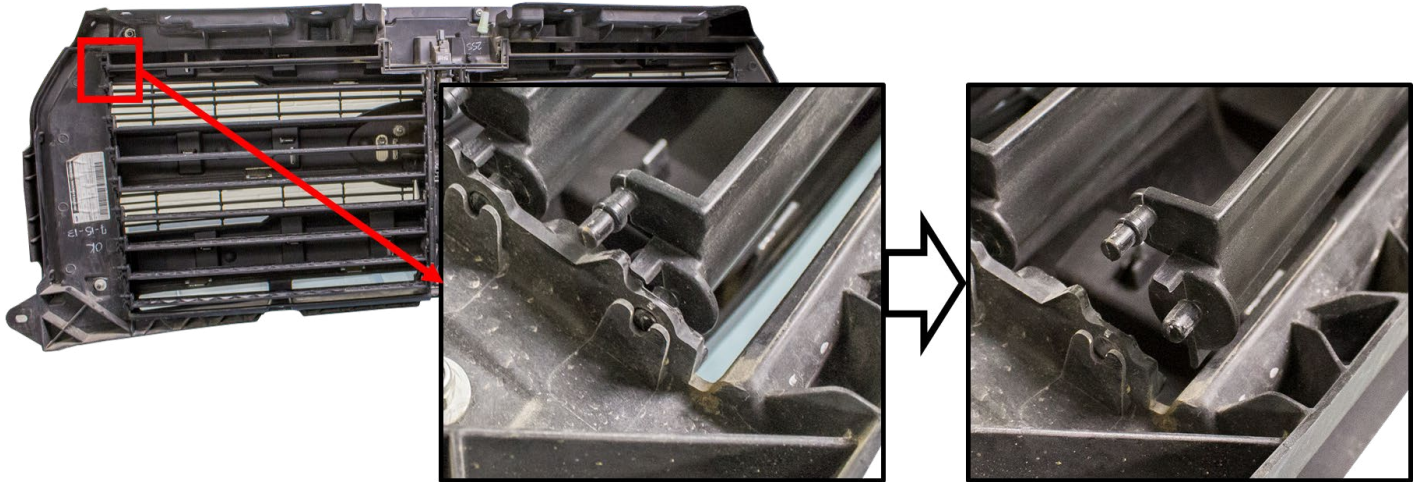
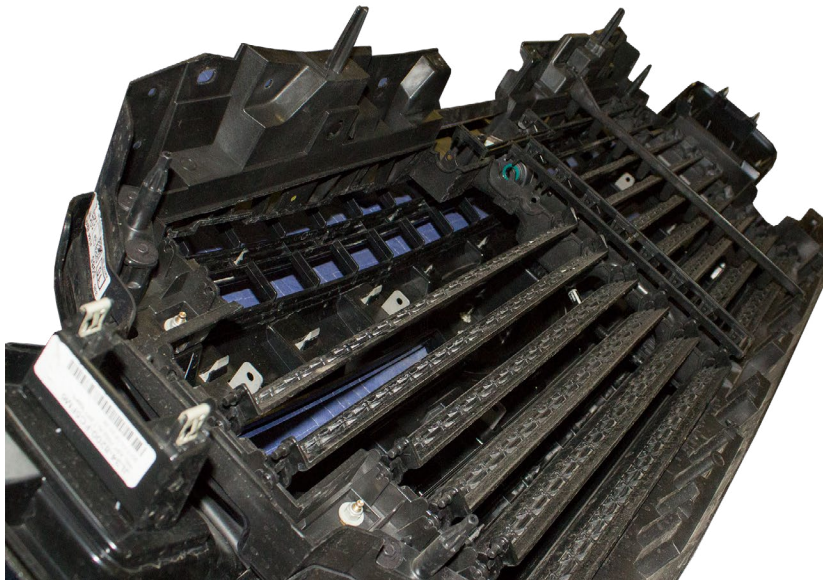


Fig L

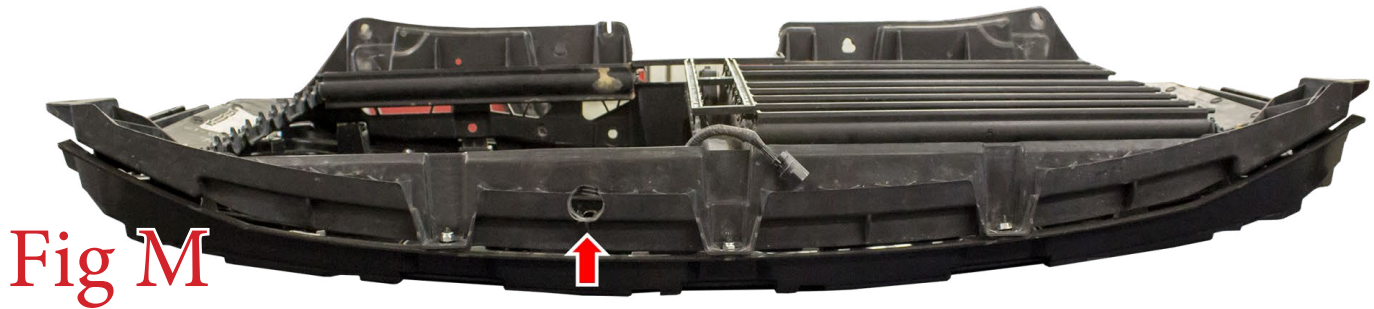


13. Prepare to install your new ADD Adaptive Cruise Control Relocation Bracket.

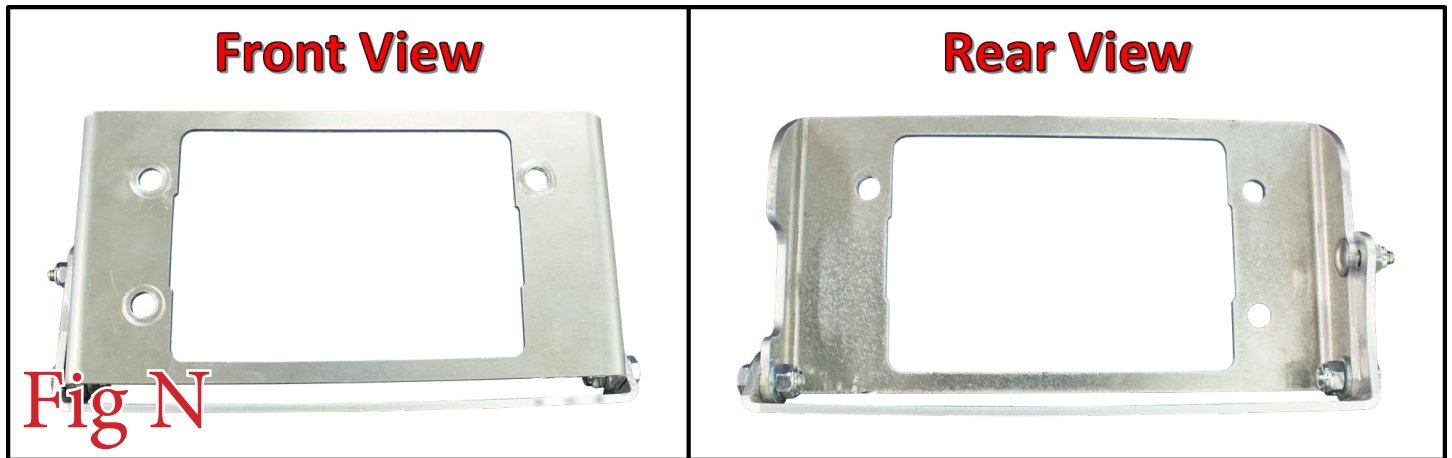


Installation:

14. Using a 1 1/2" hole saw, drill a hole in the bottom of your grille in the location shown in (Fig M)



15. Assemble your relocation bracket. For this step you will need a 7/16" socket and 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). (Fig N)

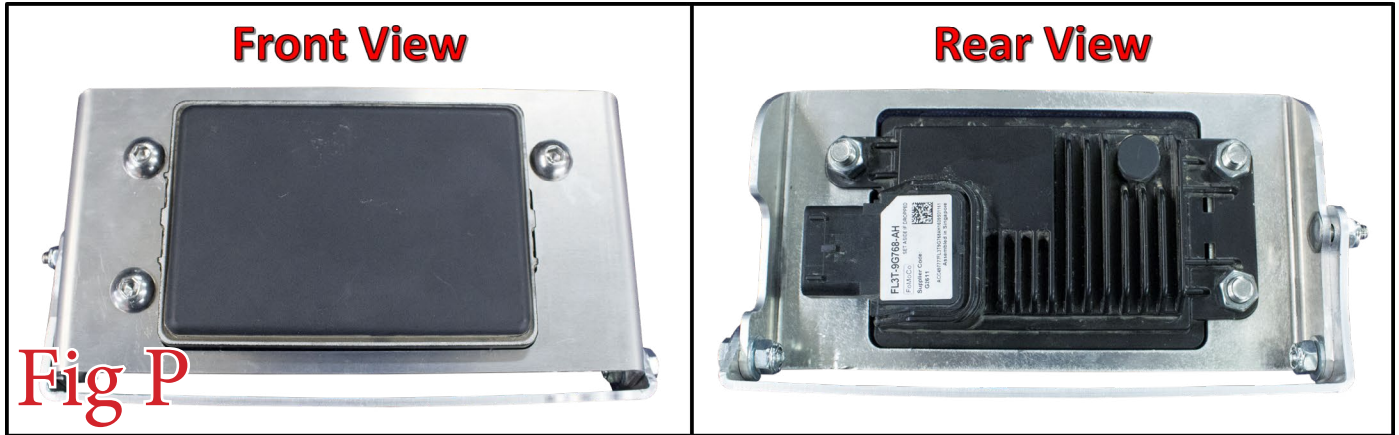


16. The recommended starting point for the slotted hole is center slot. Once everything is installed, you can adjust that to preference. Once all of the mounting bolts are in place, go back and tighten them all to 8 foot pounds. (Fig O)

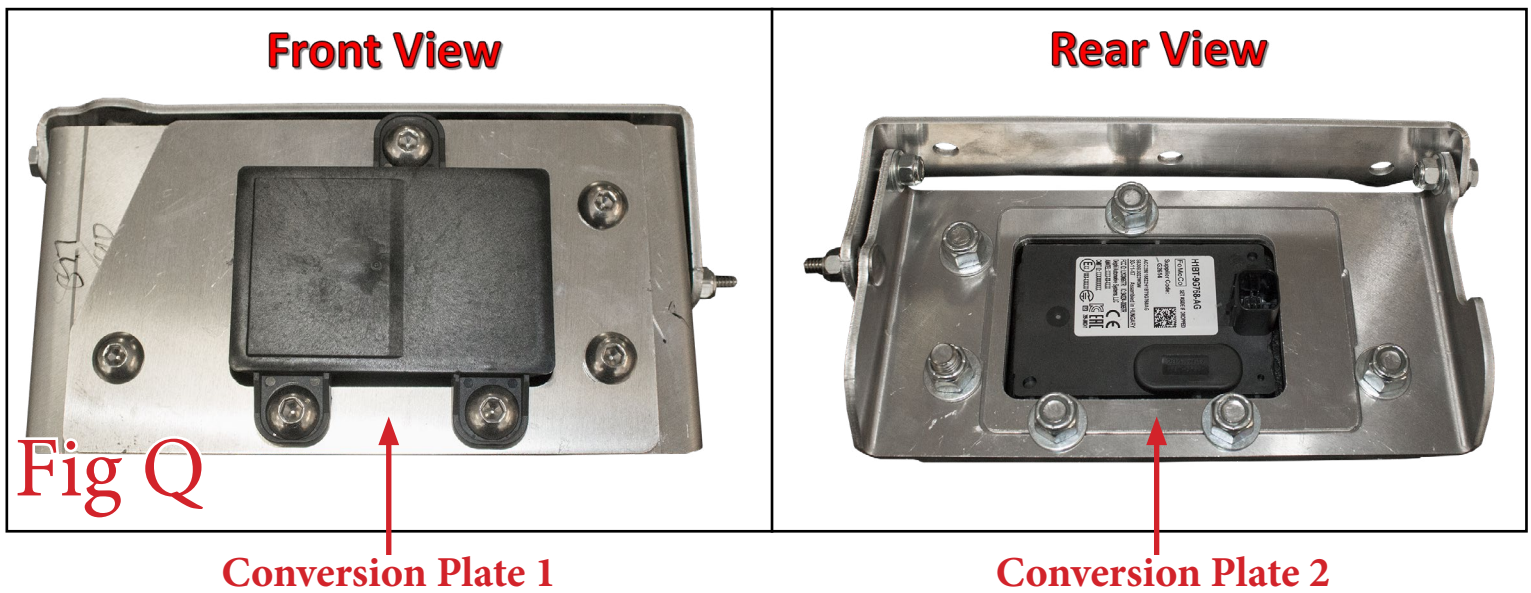




17. If your Cruise Module does not look like the one pictured in (Fig P), skip this step. Bolt your Adaptive Cruise Control Module to the Relocation Bracket. Use a 7/32" Allen Wrench and a 9/16" Wrench with the supplied 3/8" Button Head Bolts (x3) and 3/8" Lock Nuts (x3). Once all bolts are loosely installed,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

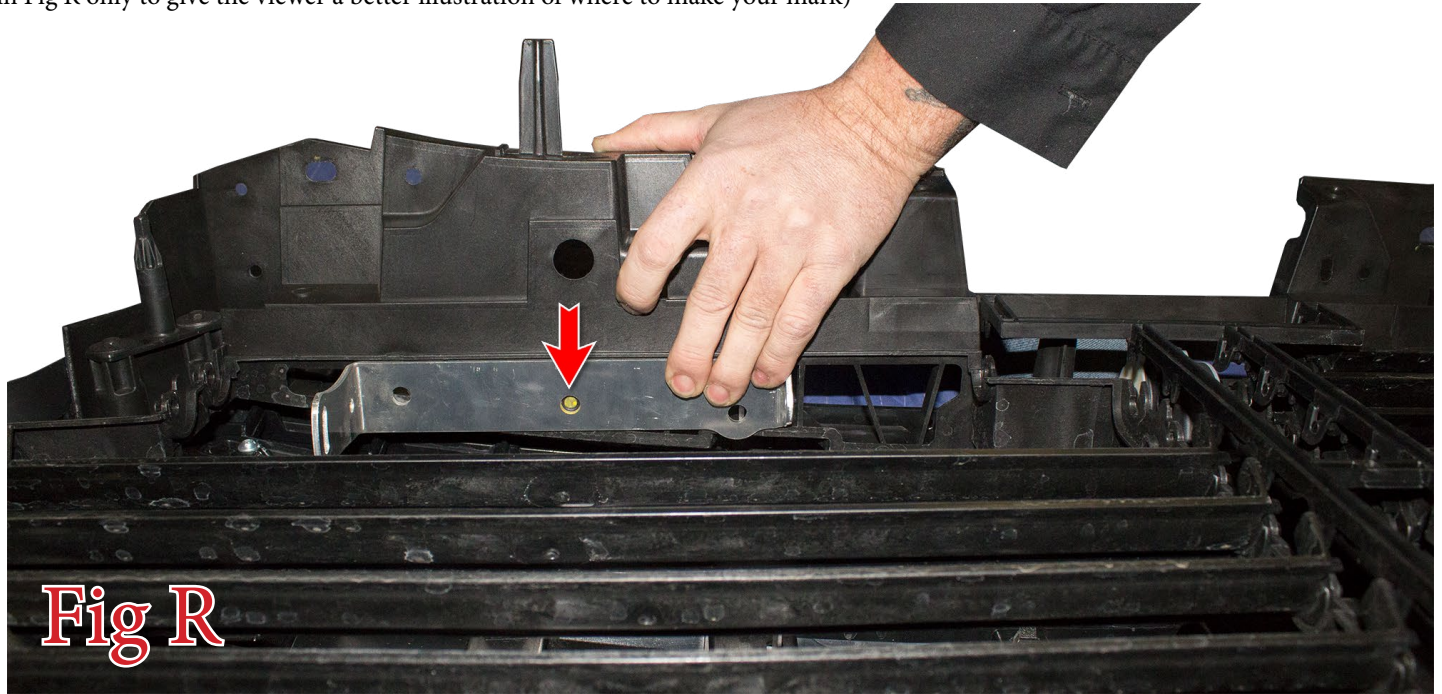


18. If your Cruise Module does not look like the one pictured in (Fig Q), skip this step. Find both Conversion Plates and attach your Cruise Module to the Relocation Bracket as shown in (Fig Q). Use a 7/32" Allen Wrench and a 9/16" Wrench with the supplied 3/8" Button Head Bolts (x6), 3/8" Washers (x6),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





19. Position the bracket/module assembly flush against the plastic lip shown in (Fig R). Use the assembly as a template to mark the position of the center hole. Then, drill this hole with a 3/8" Drill Bit. (The module is not shown in Fig R only to give the viewer a better illustration of where to make your mark)



20. Bolt the Bracket/Module assembly to your grille using only the center mounting hole. Use the supplied 3/8 x 1" Bolt (x1), 3/8" Washers (x2), and 3/8" Metal Lock Nut (x1). Tighten this bolt to 20 foot pounds. (Fig S)





21. Pull the module harness up into the grille area. (Fig T)

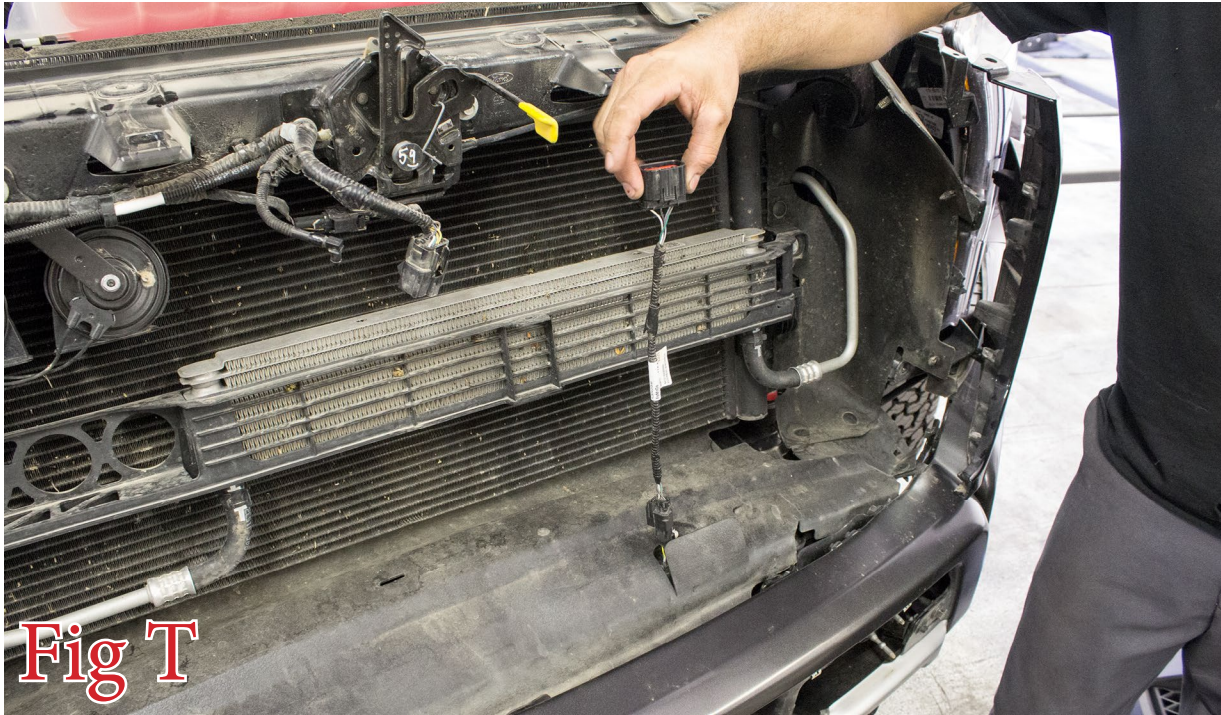


Fig T

22. Take the grille over to the vehicle, fish the module connector through the 1 1/2" hole you drilled earlier, between the shutters and the grille, and plug the harness into the module. (Fig U)

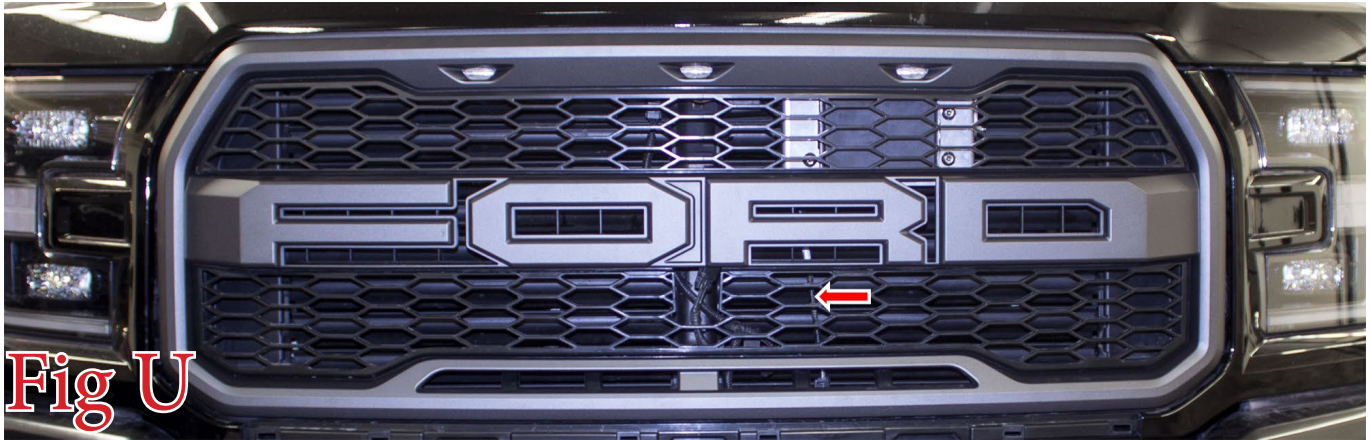


Fig U

23. Reinstall your grill by reversing Steps 1 - 7.
24. Reinstall the plastic piece you removed from your front bumper.
25. If your adaptive cruise control is not sensitive enough, go back and readjust its position. Do this by adjusting where the bolt from Step 16 is sitting within the slotted hole. Face the module more towards the ground to make it more sensitive and face it more towards the sky to make it less sensitive.
26. Stand back and enjoy your new ADD Adaptive Cruise Control Module Relocation Bracket.

For Additional Support or Technical Questions,
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