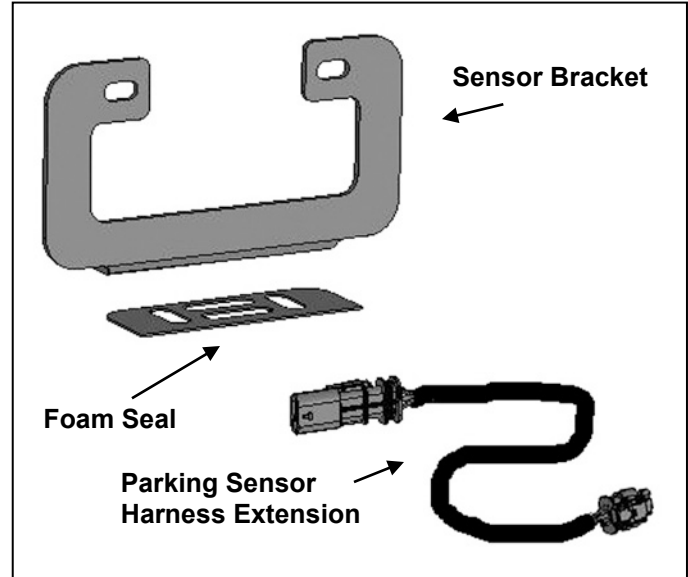


**PARTS LIST:**

1	ACC Sensor Main Bracket
1	110mm x 40mm x 1mm Foam Gasket
1	Wire Harness Extension
3	8-1.25mm x 25mm Button Head Bolts
6	8mm x 24mm x 2mm Flat Washers
3	8mm Lock Washers
3	8mm Hex Nuts
2	6-1.0mm x 25mm Button Head Bolts
2	6mm x 18mm x 1.6mm Flat Washers
2	6mm Lock Washers
2	6mm Flange Nuts
1	5mm Wrench
1	4mm Wrench

**PROCEDURE:**

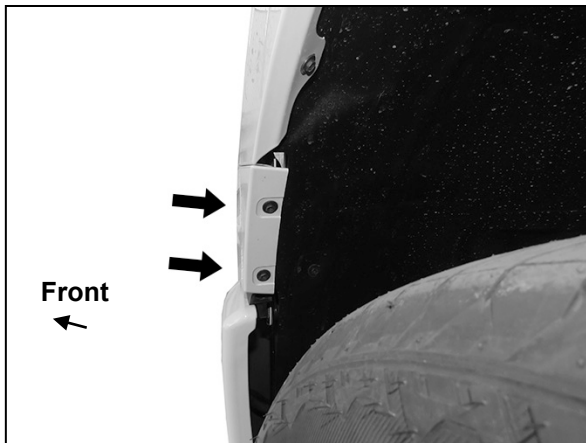
**REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. CUTTING/DRILLING IS REQUIRED. IMPORTANT: MODELS WITH CHROME—GRILLE SENSOR RELOCATION INSTALLATION NOT RECOMMENDED.**

1. Locate and remove the screws attaching the ends of the plastic body panel, (fascia), to the wheel openings, **(Figure 1)**. **NOTE:** The fascia panel is the long body panel located below the headlights and grille.
2. Open the hood and remove the plastic cover from the top of the grille, between the grille and the radiator, **(Figure 2)**. Remove the hardware attaching the top and bottom of the grille. Unplug any wire harnesses leading to the grille and inner shutter mechanism. Carefully pull the grill out and move it to a stable, clean work surface. On some models, it may be necessary to loosen both headlights to remove the grille.
3. Disassemble the factory bumper to unplug and remove the ACC sensor and bracket assembly, **(Figures 3 & 4)**. **NOTE:** Sensor is located behind the driver/left side of the factory bumper.
4. Carefully remove the sensor from the factory bracket.
5. Select the Relocation Bracket. Attach the Foam Seal to the bottom of the Bracket, **(Figure 5)**.
6. Attach ACC sensor to the **back** of the Bracket with the included (2) 6mm x 25mm Button Head Bolts, (2) 6mm Lock Washers, (2) 6mm Flat Washers and (2) 6mm Flange Nuts, **(Figure 6)**.
7. Remove the plastic cover from the bottom of the grille, **(Figure 7)**. **NOTE:** Cover will not be reinstalled.
8. Remove the plastic hold down bracket from the back of the shutter mechanism on the grille, **(Figure 8)**. Temporarily remove the bottom (4) driver/left shutter blades, **(Figure 9)**.
9. Insert the sensor and Bracket assembly into the back of the grille. With sensor facing forward, find a flat location on the bottom of the grille for the Bracket, **(Figure 10)**. Make sure the sensor assembly is pointed straight forward only.
10. Mark the location of the slots on the Bracket onto the grille, **(Figure 10)**. Drill (3) 5/16" holes through the marked locations on the grille. **IMPORTANT:** Make sure there is clearance for hardware before drilling. Avoid any plastic ribs on the grille.
11. Next, cut an approximately 2" x 1" hole in the bottom of the grille for the sensor plug, **(Figure 11)**.
12. Attach the Bracket with sensor to the grille with the included (3) 8mm x 25mm Button Head Bolts, (6) 8mm Flat Washers, (3) 8mm Lock Washers and (3) 8mm Hex Nuts, **(Figure 12)**.
13. Adjust the sensor to clear the bars on the grille. When properly installed, sensor should be pointed directly forward. Tighten all sensor Bracket hardware.
14. Locate the wire harness behind the bumper leading to the sensor, **(Figure 14)**. Unwrap the outer cover to locate and separate the wires for the ACC sensor plug only. This will allow the sensor harness to extend up to the new mounting location. Use the included Harness Extension to extend the reach of the

factory harness to the outer parking sensor. Check length with grille temporarily held in place and once properly extended, rewrap all wires.

15. With assistance, place the grille in position but leave loose. Push the harness plug up through the hole in the grille, **(Figure 15)**. **NOTE:** A hole for wiring harness must be drilled through the plastic cover on bottom of grille for reinstallation, **(Figures 7 & 11)**. Reinstallation is optional.
16. Plug the harness into the ACC sensor. Reinstall (1) shutter blade and mechanism, **(Figure 13)**. **NOTE:** (3) bottom shutter blades will not be reinstalled.
17. Fully attach the grille, headlights, top cover and fascia body panel, **(Figure 16)**.
18. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

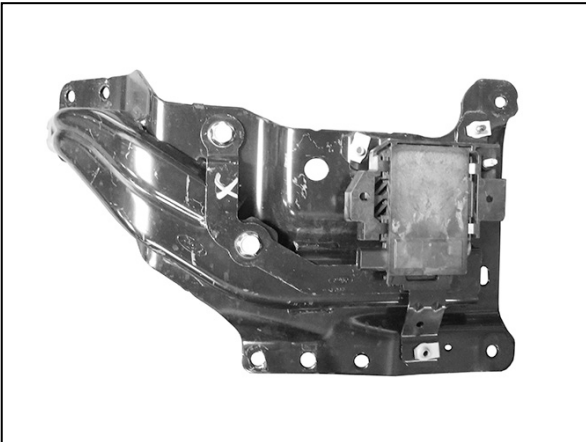
**By installing this product, you are accepting liability for potential changes in the characteristics/sensitivity of your adaptive cruise control system. After installation of this product, your adaptive cruise control module may require recalibration by a Ford technician.**



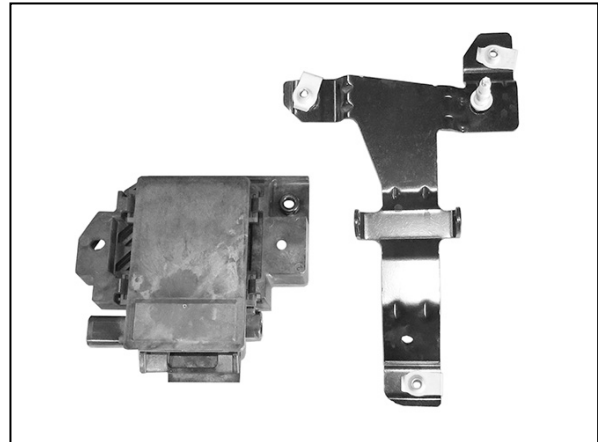
**(Fig 1) Remove screws attaching end of fascia body panel to wheel openings. Pull fascia outward to release from clips and remove**



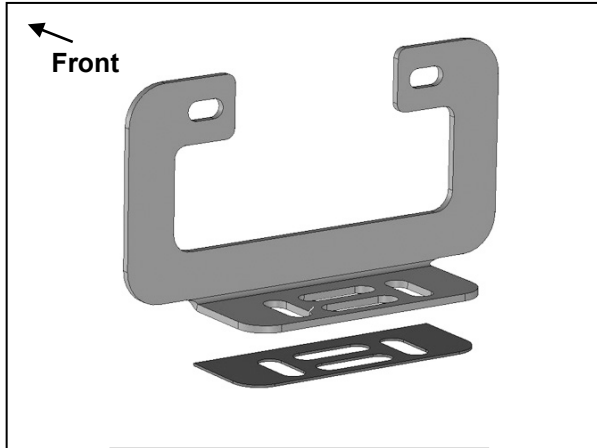
**(Fig 2) Remove cover from top of grille (arrow). Remove hardware attaching top and bottom of grille and remove grille**



**(Fig 3) Driver/left bumper bracket assembly with sensor and bracket**

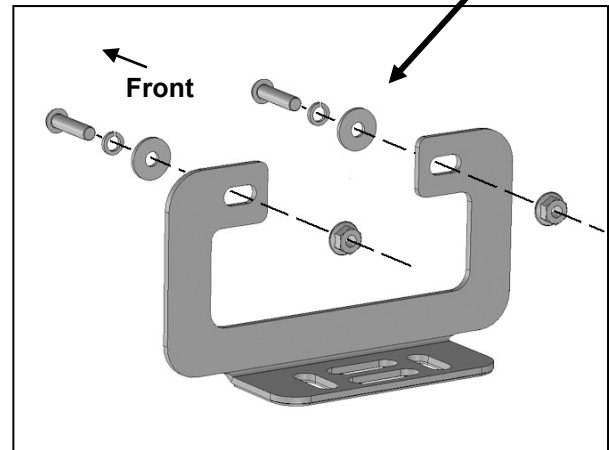


**(Fig 4) Remove sensor from mounting bracket**

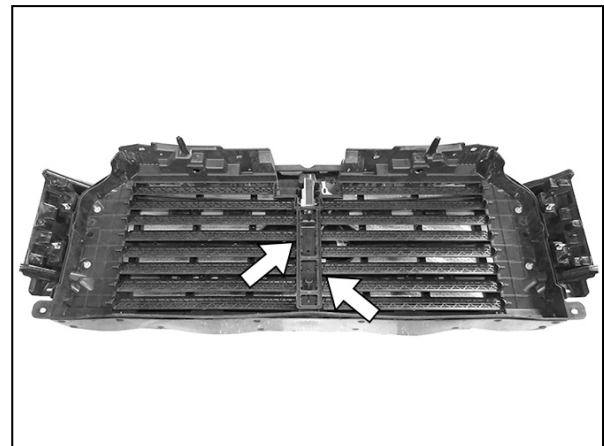
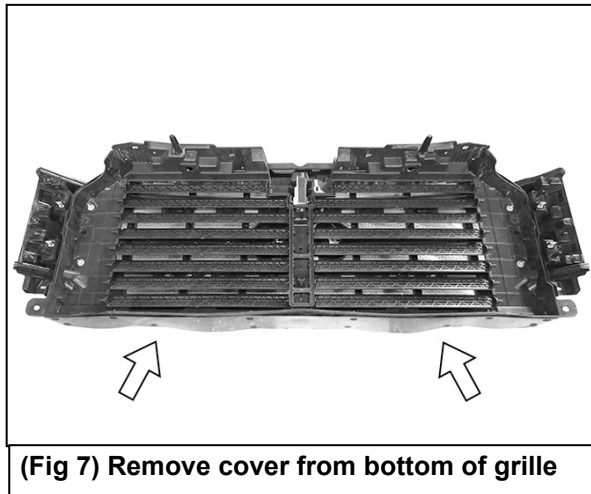


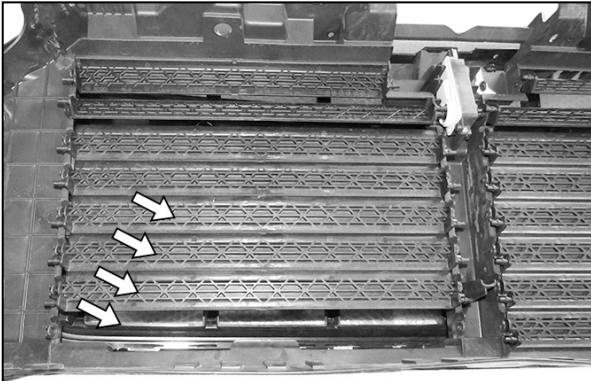
(Fig 5) Apply seal to bottom of Relocation Bracket

- (2) 6mm x 25mm Button Head Bolts
- (2) 6mm Lock Washers
- (2) 6mm Flat Washers
- (2) 6mm Flange Nuts

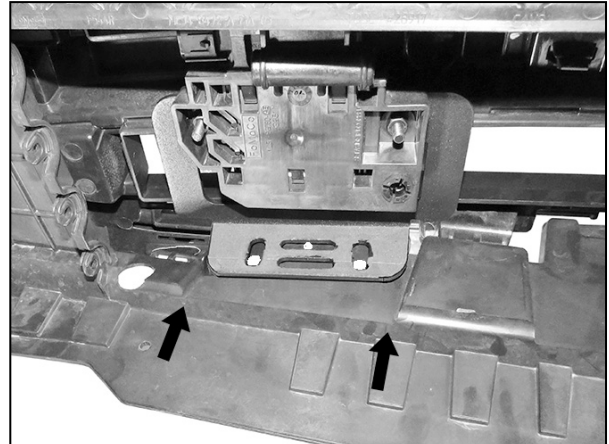


(Fig 6) Attach sensor to back Bracket

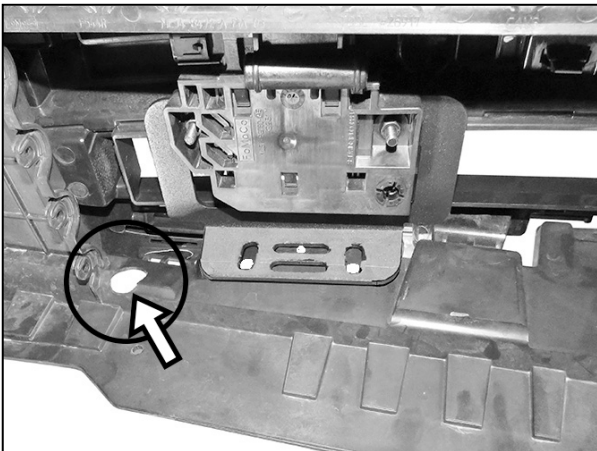




(Fig 9) Remove the (4) shutters from the driver/left side of the grille (note bottom shutter not pictured)

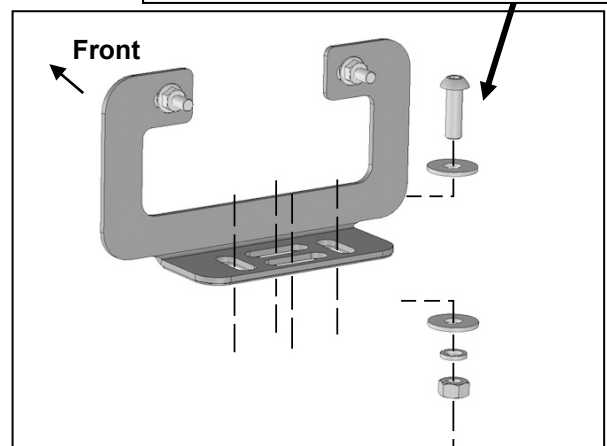


(Fig 10) Line up Bracket on flat area between arrows and with sensor pointed straight forward. Mark location of slots onto grille. Use 5/16" drill bit to drill the mounting holes

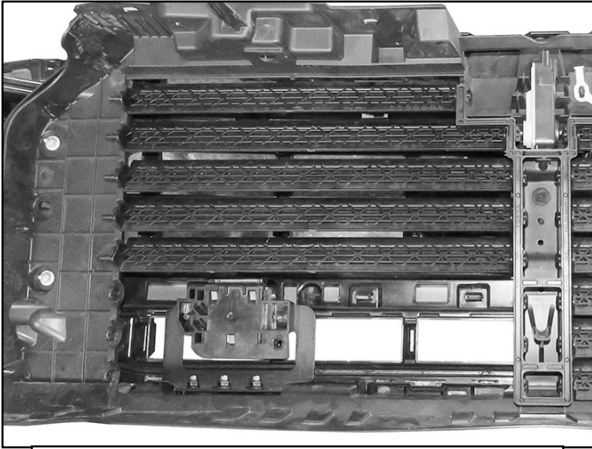


(Fig 11) Drill an access hole to pass the wiring harness for the sensor up and through the bottom of the grille

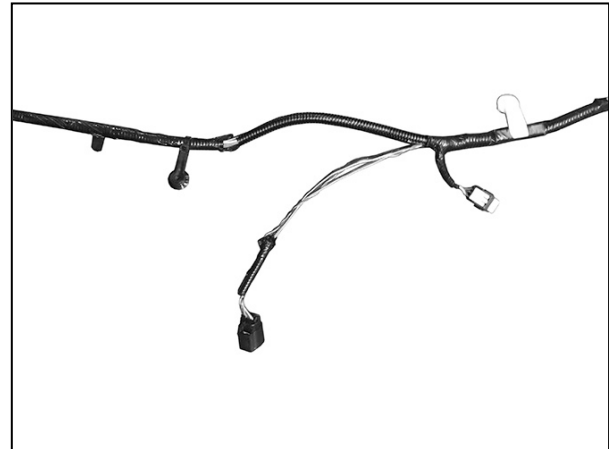
- (3) 8mm x 25mm Button Head Bolts
- (6) 8mm Flat Washers
- (3) 8mm Lock Washers
- (3) 8mm Hex Nuts



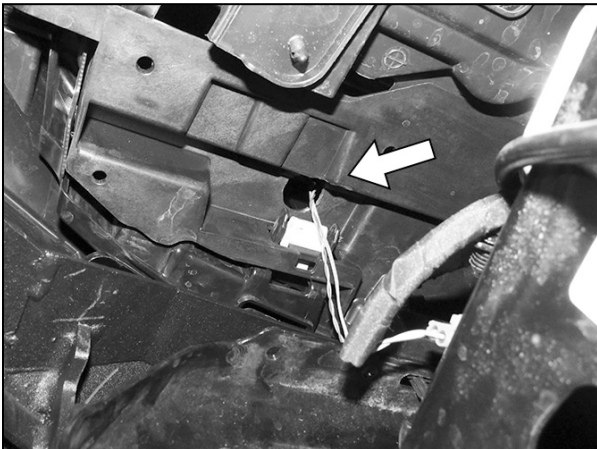
(Fig 12) Attach sensor assembly to the grille



**(Fig 13) Sensor installed. Reinstall the shutter closest to the sensor, bottom (3) shutter blades will not be reinstalled**



**(Fig 14) Unwrap the section of the wiring harness for the ACC sensor**



**(Fig 15) Insert harness through opening, (Fig 11), and up to sensor. Check length. Rewrap wiring harness. Use the included Wiring Harness Extension to extend the factory parking sensor harness in the bumper. Reinstall grille and plug in harness**



**(Fig 16) Reinstall grille and plug in harness**