



INSTALLATION MANUAL
ACC RELOCATION BRACKET
PRODUCT NUMBER: M3853
APPLICATION: 2021 FORD BRONCO



IMPORTANT SAFETY GUIDE | Your safety and the safety of others is very important.

In order to help you make informed decisions about safety, we have provided the following warnings, safety precautions, installation instructions, and other important information to alert you to potential hazards that could hurt you or others.

Please do a job safety analysis before each task to identify potential hazards for your situation and remove/protect against them. Use own good judgment and take your time.

Check packaged materials immediately upon arrival to ensure that all listed parts are included and undamaged.

Read and understand all warnings, safety precautions, and instructions before installing this product.

SENSORS FIELD OF VIEW MAY BE ALTERED WITH USE OF THE REPLACEMENT BUMPER.

WARNINGS

- Failure to observe the following warnings and instructions provided in this manual could lead to severe injury and/or death.
- For professional installation only. Careless installation and/or operation can result in serious injury, death, and/or equipment damage. All liability for installation and use rests with the user or consumer.
- Fab Fours, Inc. only approves installing this product according to these written instructions with the hardware provided. Failure to install according to these instructions will invalidate the warranty. This includes, but is not limited to, using alternative installation methods, hardware, or materials.
- This product is for off road use only.

SAFETY PRECAUTIONS

- Always remove jewelry and wear eye protection.
- Always use extreme caution when jacking up a vehicle for work. Set emergency brake and use tire blocks. Locate and use the vehicle manufacturers designated lifting points. Use jack stands.
- Always use appropriate and adequate care in lifting components into place.
- Always ensure components will remain secure during installation and operation.
- Always wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause serious eye injury.
- Always use extreme caution when drilling a vehicle. Always disconnect power before welding. Thoroughly inspect the area to be drilled (on both sides of material when possible) prior to drilling, and relocate any objects that may be damaged.
- Always use extreme caution when welding a vehicle. Thoroughly inspect the area to be welded (on both sides of material when possible) prior to welding, and relocate any objects that may be a fire hazard. When welding in a cab, make sure the interior surfaces are covered (e.g., welding blanket) and a fire extinguisher is at hand.
- Always use extreme caution when cutting and trimming during fitting.
- Always tighten all nuts and bolts securely per installation instructions.
- Always route electrical cables carefully. Avoid moving parts, components that become hot, and rough or sharp edges.
- Always insulate and protect all exposed wiring and electrical terminals.
- Perform regular inspections and maintenance on mounts and hardware.

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A MESSAGE FROM THE OWNER



Fab Fours' was born out of a passion for customizing vehicles and a love of the outdoors. Our engineering team uses the latest 3D design software to turn new product ideas into reality. In our factory, designs come to life with the combination of cutting edge technology for metal cutting and forming and an American workforce that puts its' heart and pride into every product.

From design and manufacturing, to quality and delivery, Fab Fours' mission is to be the market leader for steel truck and jeep accessories. We make sure a quality product is delivered on time, more than expected, better than expected to our customers.

Enjoy your new Fab Fours product. Welcome to the family!

Greg Higgs

FOUNDER, FAB FOURS

GETTING STARTED

Before you begin the installation process of your new Fab Fours product, we suggest laying out all materials and parts on a pad or protective surface.

Failure to fully account for all components before beginning installation may leave vehicle immobile until part is acquired. Refer to the next pages as an inventory check.

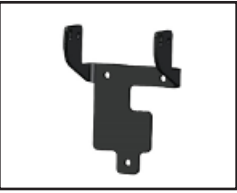
PROVIDED MATERIALS



22547-02

M3853 Assembly

M3853-IM



22547-01

HARDWARE KIT | M3853

FAB FOURS IDENTIFICATION	COMPONENT DESCRIPTION	QTY
50302	1/4"-20, Yellow-Zinc, Grade 8, Nylock nut	7
50302	1/4"-20 x 1", Yellow-zinc, Grade 8, Hex head cap screw	7
50302	1/4", Yellow-zinc, Grade 8, Flat washer	14

TOOLS REQUIRED

- Panel pry tool
- 8mm socket wrench
- 10mm socket wrench
- 15mm socket wrench
- 7/16" Socket wrench
- 7/16" Combination wrench
- Utility Knife
- Zip Ties
- Electrical Tape

ASSISTANCE

We recommend two people perform the installation as items are heavy and may need to be held in place while installing.

ORGANIZATION

Disassemble the vehicle where you can catalog and store everything. We suggest labeling and bagging all the OEM bolts when removing from the vehicle. Failure to keep track of parts could lead to an inability to properly reinstall components.

ASSISTANCE

This manual shows the six sensor configuration for illustration purposes but your specific installation may vary.

DISASSEMBLY

1. Using the panel pry tool remove the eight (8) push pins attaching the two (2) tow hook cover plates to the bumper. Figure 1

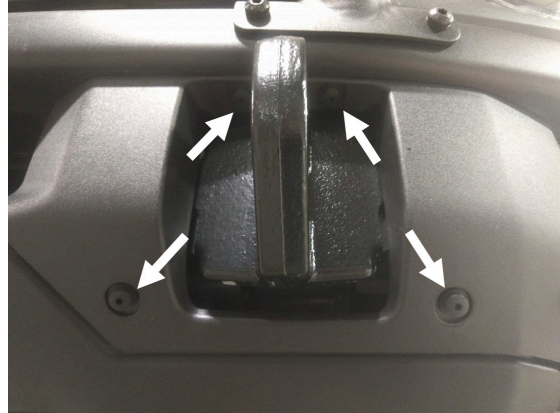


Figure 1

2. Using the 15mm socket wrench remove the six (6) bolts that attach the factory bumper to the frame. Figure 2



Figure 2

3. The factory bumper can now be removed from the vehicle and set aside.

4. Remove the intercooler shroud from the vehicle by depressing the tabs around the perimeter of the shroud and then separating the shroud from the intercooler. Figure 3



Figure 3

5. Remove the adaptive cruise control (ACC) sensor shroud from the vehicle using a panel pry tool to release the plastic clips. Using an 8mm socket wrench remove the ACC sensor with bracket from the intercooler. Figure 4

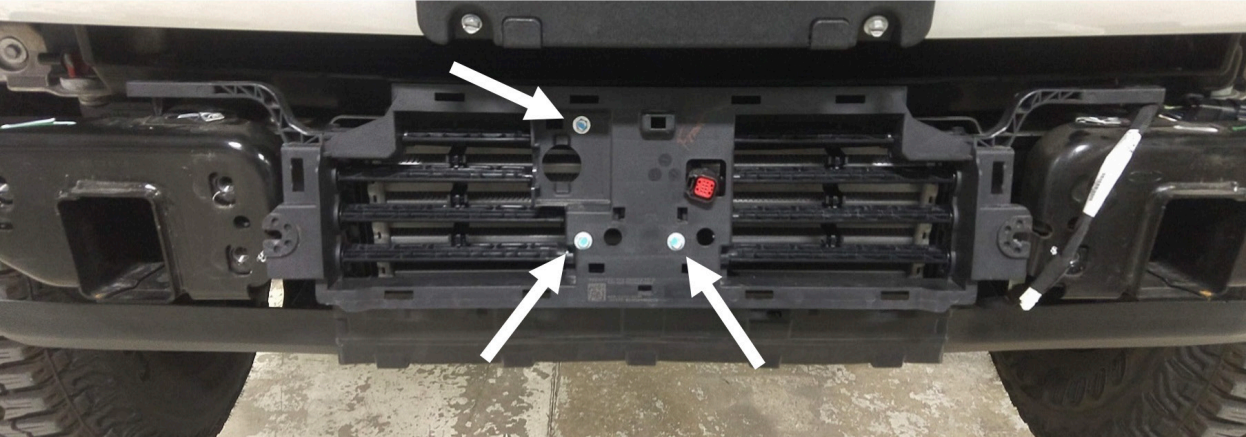


Figure 4

6. Using a 10mm socket wrench remove the four (4) bolts around the intercooler louvers to remove the louvers from the frame. Figure 5

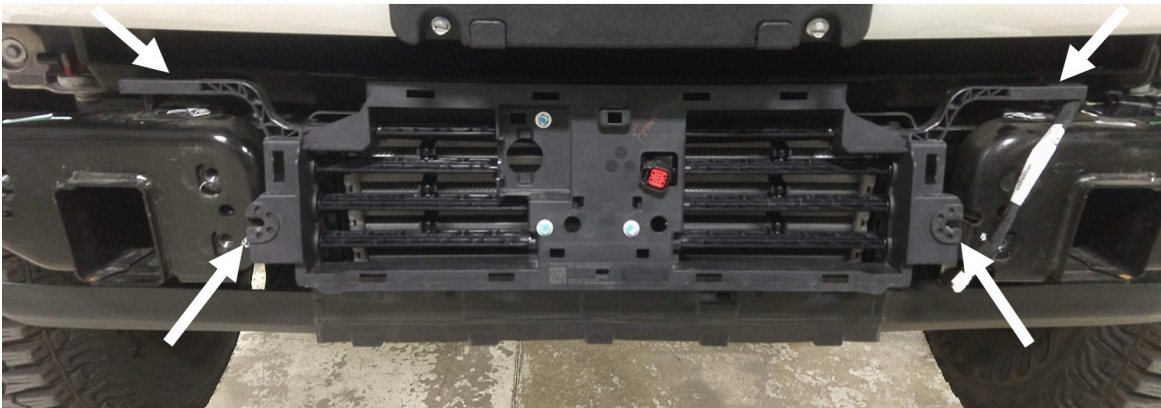


Figure 5

7. With the louvers removed, remove the wiring harness from the back side of the louvers by releasing the plastic clips with a panel pry tool. These clips can be reused later to reinstall the louver harness with new zip ties. Figure 6

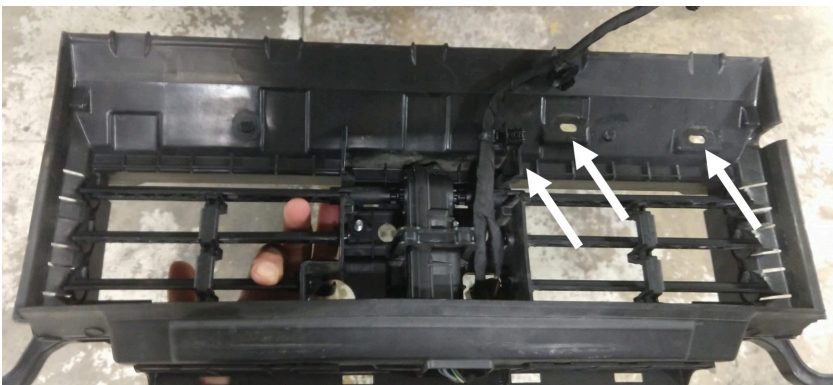


Figure 6

8. Disconnect the plug at the louver motor by pulling back on the red tab and then depressing the black tab underneath. Figure 7 Set the louvers aside for now they will be reinstalled later.

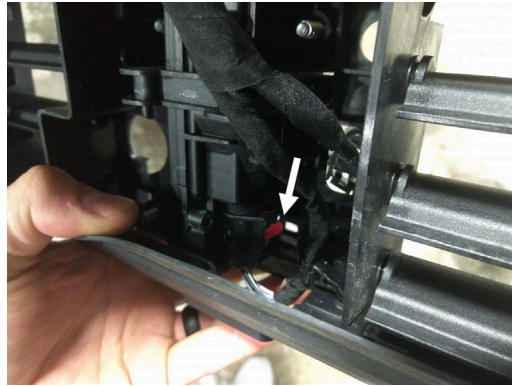


Figure 7

9. Using a utility knife, remove the tape on the louver harness to separate the ACC harness from the louver harness. Figure 8

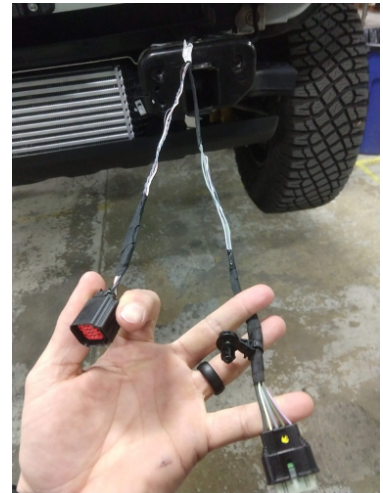


Figure 8

10. Using electrical tape or wire loom, recover the two-harnesses separated previously and reinstall the louver harness to its original location. Figure 9 leave the ACC harness loose. Figure 10



Figure 9



Figure 10

11. Remove the OEM fender flares from the front fender by turning the locking tabs 90 degrees and then pulling the flares. Figure 11&12



Figure 11



Figure 12

12. Open the hood and locate the nine (9) push pins holding down the plastic cowl. Use a panel pry tool to remove these push pins and then remove the cowl. Figure 13

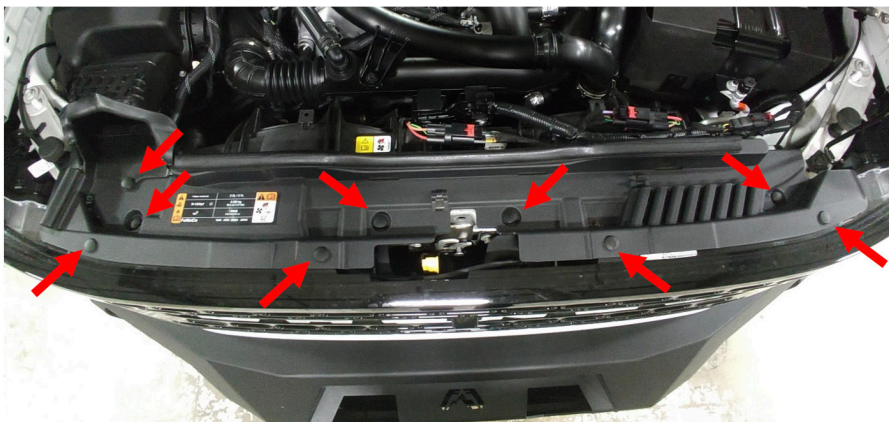


Figure 13

13. Using a 10mm socket wrench, remove the four (4) screws across the top of the grille. Figure 14

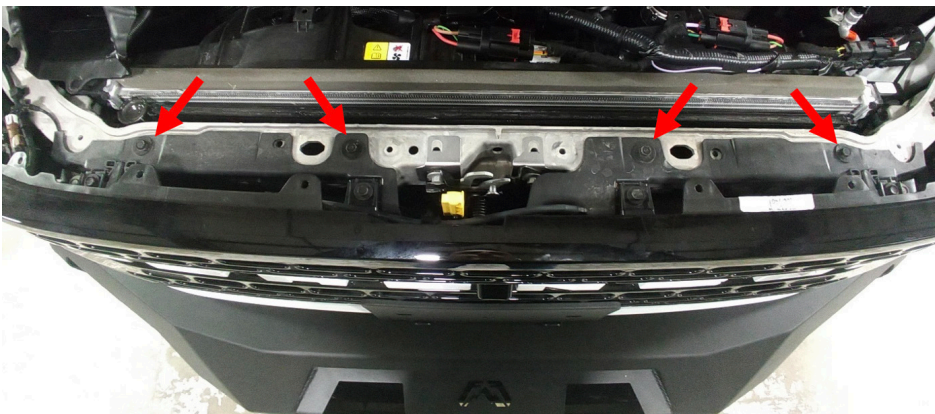


Figure 14

14. Disconnect the camera harness and camera washer by depressing the locking tabs on the connectors. Figure 15



Figure 15

15. Remove the grille by pulling around the edge to release the clips, work around the grille being careful to not break the grille or any of the clips.

16. Remove the lower valance by pulling at the seam where it meets the fender to release the clips then working across the front releasing the clips until the valance is free. Figure 16



Figure 16

17. Using a 10mm socket, remove the two (2) screws at the top of each headlight. Using a panel pry tool, remove the push pin on the top of each headlight. Figure 17



Figure 17

18. Using an 8mm socket wrench, remove the screw at the bottom of each headlight. The headlight can now be removed to access the electrical connector. Depress the tab on the connector to disconnect it. Figure 18



Figure 18

19. Using an 10mm socket wrench, remove the four (4) screws across the top of the louver housing and the two (2) screws on either side. Figure 19&20

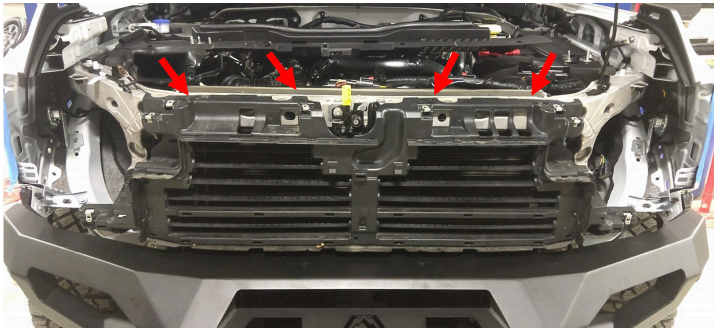


Figure 19

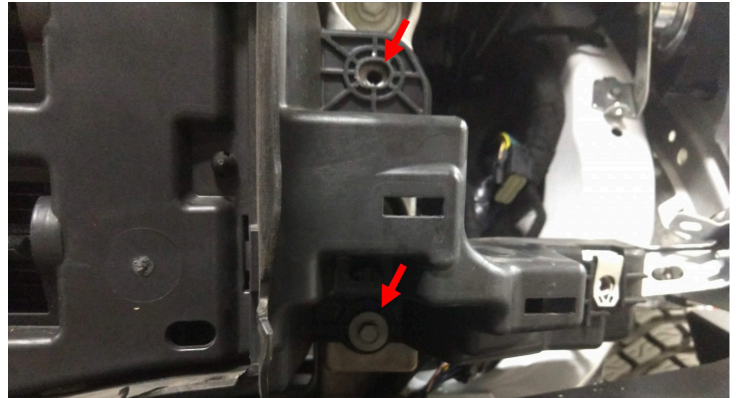


Figure 20

20. The clip on the driver side holding the hood latch cable to the core support may need to be removed and relocated.

21. The previously removed ACC sensor needs to be separated from its adjustment bracket. Using a panel pry tool, carefully separate the sensor from the bracket by releasing the ball/socket tabs. Figures 21&22



Figure 21

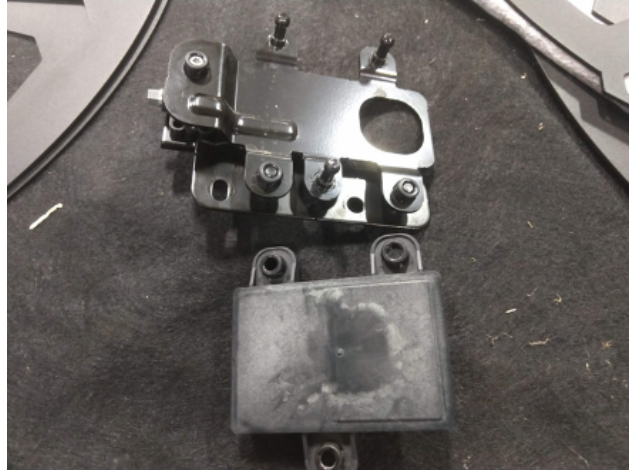


Figure 22

22. Using three (3) of the supplied 1/4-20 hex head caps screws with Nylock nuts and six (6) of the supplied 1/4" flat washers as spacers attach the ACC sensor to the supplied bracket (22547-01). Figures 23&24



Figure 23



Figure 24

23. Pull the louvers forward from the top to gain access to behind them. Pass the previously assembled ACC sensor and bracket (22547-01) up through the cutouts in the louver housing.

24. Route the previously separated ACC sensor harness up between the louver housing and the radiator. Reconnect the ACC sensor plug to the sensor and use a zip tie to hold the harness tight to the sensor and away from the radiator. Figure 25



Figure 25

25. Using the remaining supplied 1/4" hex head cap screws, flat washers, and nylock nuts, connect the two supplied brackets (22547-01 & 22547-02) together. Figure 26

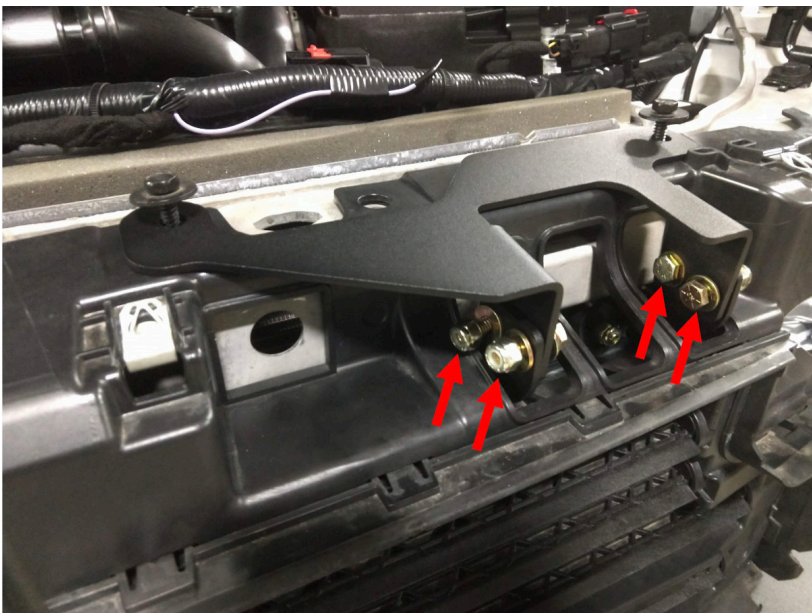


Figure 26

26. Using a 10mm socket wrench install the provided bracket (22547-02) over the louver housing with the OEM screws removed earlier. Figure 27

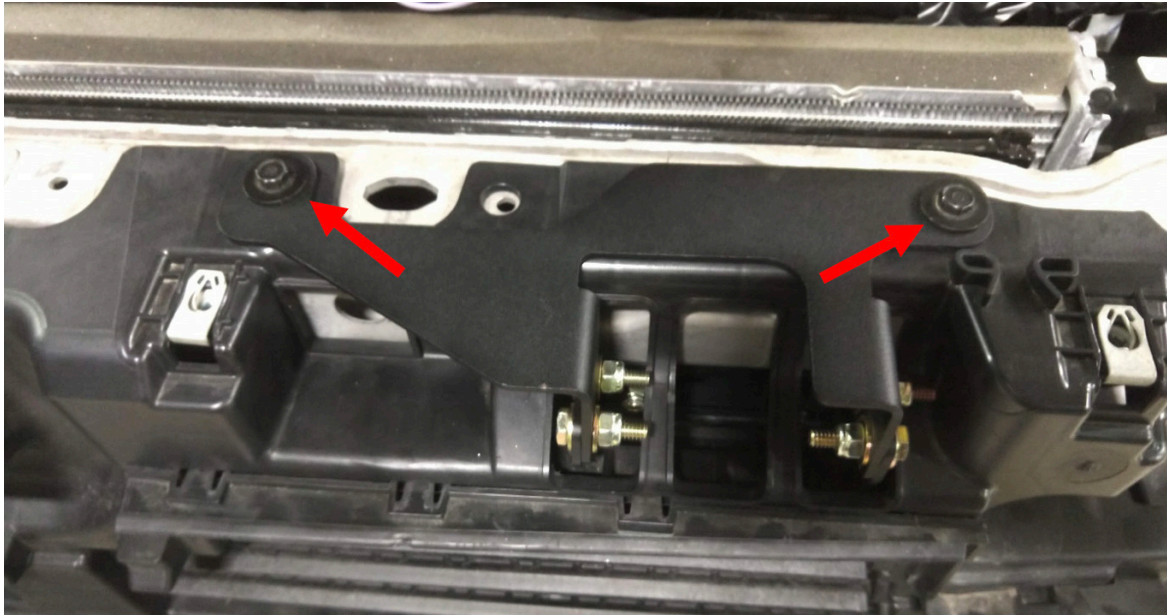


Figure 27

27. Using 7/16" socket and combination wrenches tighten the four (4) previously installed 1/4" hardware ensuring the sensor is as perpendicular to the ground as possible. Figure 28

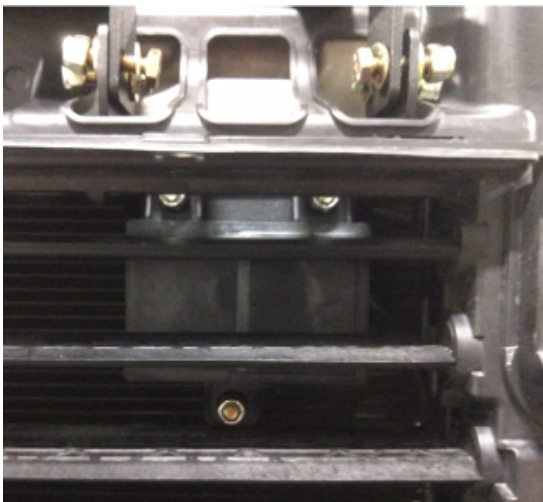


Figure 28

28. You can now reassemble the front end by reversing steps 1-19.

****Note:** Some adjustment or recalibration of the ACC sensor may be required after installation. Adjustment of the sensor can be accomplished by removing the plastic shroud from step 12 to gain access to the four (4) 1/4" screws installed in step 25. If the sensor errors out after adjusting, contact your dealer for recalibration.