



# Installation Instructions

Front Fender Base

SKU: JL4600

2018 Jeep JL

## **! 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 WILL 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 OFFROAD USE ONLY.**





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### 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.
- Tire may rub at max turn or articulation.





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### Overview

Congratulations on your new purchase of the front fender assembly.

Your fenders were designed in 3-D from digitized data, CNC laser cut, fabricated, and powder coated... all in the U.S.A. Enjoy the fit and finish of a quality front fender from Fab Fours, Inc.





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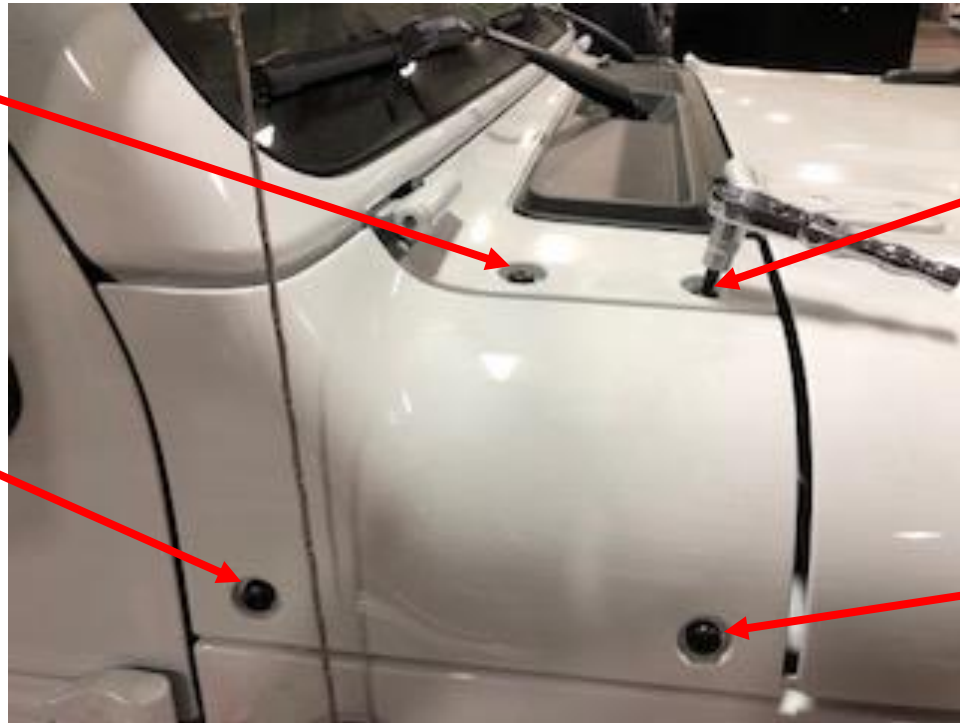
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### I. Tools Required

- Allen wrenches
- Torx wrenches
- Socket set and wrenches
- Cut off wheel
- Anti-seize (recommended)

### II. Factory Fender Removal (Perform these steps for both sides.)

1. Unbolt and remove the factory cowl corners using a torx bit. Save both cowl corners and all hardware for reinstallation.





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2. Remove the factory antenna at this time for passenger side fender removal. Save for reinstallation.
3. It is not necessary, but might be helpful to remove the front doors at this time according to owner's manual.
4. Unbolt the 15 fender bolts and remove the fender. Two bolts found inside the door, two bolts are found at the bottom of the rocker panel, one bolt next to the headlight, four are accessed through the inner fender, one is under where the cowl cover was, and the remaining five are under the hood.





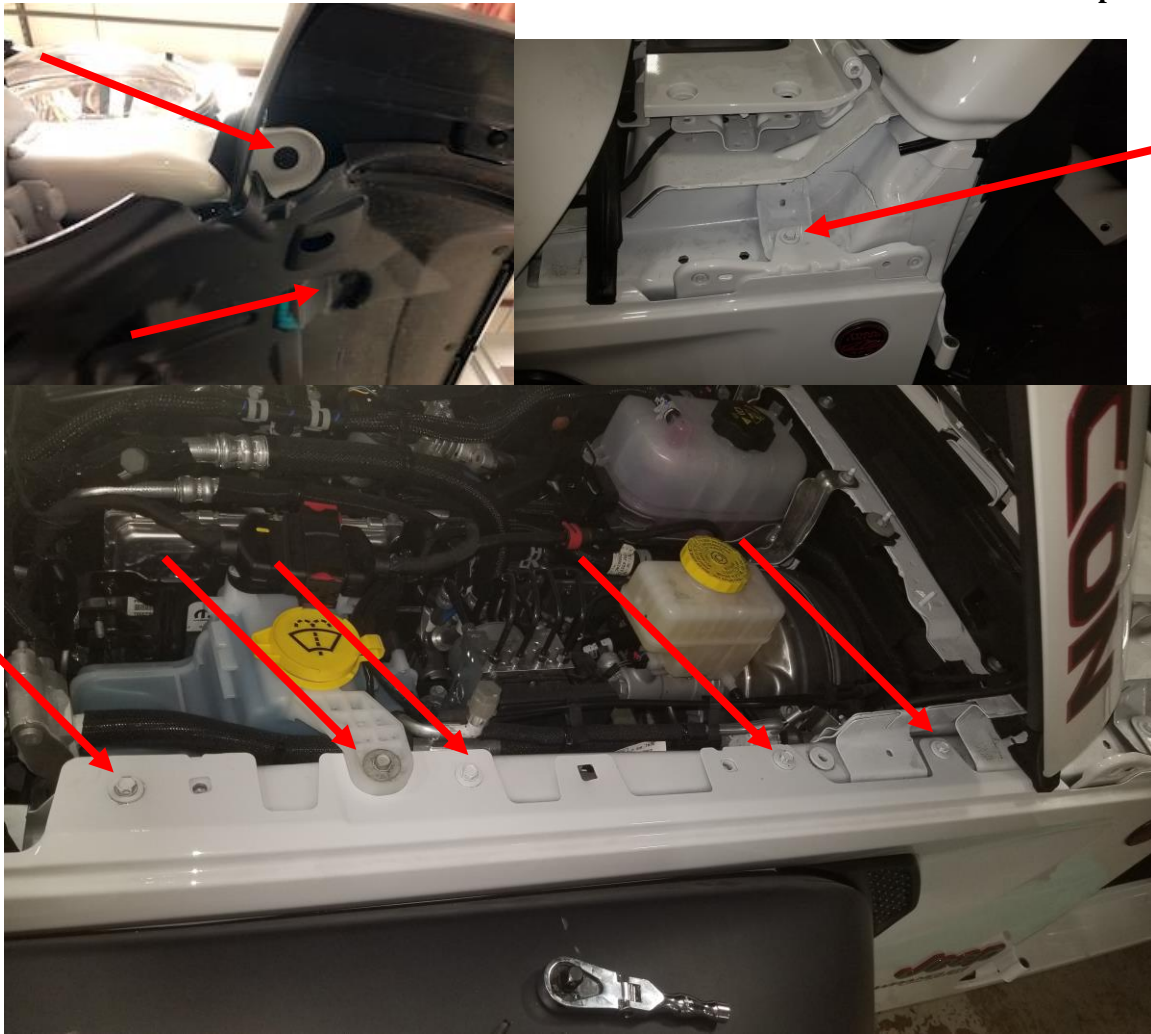


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5. Remove the fender. While removing disconnect the running light/ turn signal harness behind the fender.
6. Reinstall the fender bolt (one on each side) that holds down the air box and the windshield washer fluid reservoir.





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7. Cut off the factory fender support brackets at the frame as indicated below and remove the brackets from the frame. This bracket will interfere with your new fenders. Touch up your frame with paint to prevent rust from forming if needed.





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8. Install the provided cut templates on each side according to the labels and blue alignment holes.







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9. Cut along indicated line to depth indicated below. Touch up your body with paint to prevent rust from forming if needed





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10. Remove you factory hood latch from the hood.
11. Your vehicle is now ready to accept your new Fab Fours fender.

### III. Fab Fours Fender Base Installation

1. While the fender is on the floor, install the Included Drake hood latch in the hood latch Stand on your new fenders before installation to the vehicle.
2. While the fender is on the floor, install Rock lights(if installing) into gill box, and the gill box cover fully tightening the 3 5/16 button head cap screws.

**Note: Anti-seize is always recommended when using stainless steel hardware.**



3. While the fender is on the floor, install the marker lights and grommets to the fender. Run the wires along the zip tie holes and through the internal hole in the fender. Allow the marker light wires to hang into the wheel well opening.
4. While on the floor, install the antenna housing to the passenger fender skin using supplied hardware.
5. Before installing the fender install the provide Drake hood latch to the hood.
6. With the help of a friend, lift your new preassembled fender onto the vehicle by inserting the front into the GR4600 Grumper first and loosely install the provided 5/16"





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button head cap screws, then aligning the back body bolts and loosely install the 3 factory fender bolts.

**Note: If installing the passenger side, hold the fender away from the vehicle just far enough to fit your hand behind and connect the antenna lead to the antenna housing before installing the hardware.**

- a) One bolt is under where the cowl corner was.
  - b) One bolt is inside the door jam.
  - c) One bolt is under the door on the pinch weld.
7. Install the remaining hardware in the following locations:
- a) Two 5/16" button head cap screw, washers, and nuts into the pinch weld of the rocker box.
  - b) One 1/2" stud plate with washers and nuts between the bottom front to the fender and the Grumper. Stud plate should be inserted from inside Grumper.
8. The fender should be tightened down starting from the front and working your way backward. Be mindful when tightening down the fender bolts as the factory nut clips can be fragile.
9. Tighten down the 5/16 button head cap screws on the Grumper while pushing the fender into the Grumper.
10. The next bolts to be tightened is the stud plate. Align the fender and grumper.
11. The third set of bolts to be tightened will be the bolts in the door jam and bottom pinch weld.





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12. Fully tighten the remaining bolt under the cowl corner (pg 4).
13. Adjust and tighten the hood latch to achieve desired hood/ fender gap.
14. Reinstall cowl corners using OEM fasteners.
15. Wire up the provided marker/ turn light to the factory light leads. Wire the resistor in-line with the light ground wire.

**Note: The included led indicator light wire colors are the following, red = turn, black = running, and white = ground. Instructions readily available on the World Wide Web.**

16. Tuck and secure the marker light wiring behind the fender using your preferred method.







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### IV. Maintenance/Care

- Periodically check and tighten all nuts.
- Stripped, fractured, or bent bolts or nuts need to be replaced.

