TRAIL FORTRESS

BUILT FOR THE TRAIL. CHECKED FOR YOUR TRUCK.

Rough Country F-F20911B Installation Instructions

Pocket Fender Flares for Ford F-150 (2021-2025)

Part number: F-F20911B

trailfortress.com/pocket-fender-flares-ford-f150-rough-country-f-f20911b

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS

WARNING: *This product contains a chemical known to the State of California to cause Cancer and Reproductive Harm. For more information, go to* ***www.P65Warnings.ca.gov.***

2021-UP FORD F150
TRADITIONAL STYLE FLARES

PRIOR TO INSTALLATION

A) Install the flares according to these written instructions with the hardware provided. WARNING: 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. DO NOT USE: Loctite, Superglue, or similar products on the hardware or the flares. *Install flares on cleaned vehicle surfaces*.

B) **Fit:** Verify the fit of the flares to vehicle prior to installation (some filing, sanding, or cutting may be necessary to ensure proper fit).

C) **Painting:** (Optional) if paint is desired it must be done prior to installing flares on vehicle. Clean outer surface with a good grade degreaser. DO NOT USE LACQUER THINNER OR ENAMEL REDUCER AS A DEGREASER. Wipe outer surface thoroughly with a tack rag prior to paint. Application of plastic adhesion promoter for ABS plastic as per your paint system manufacturer's recommendations is required. Paint flares using a high-quality enamel, or polyurethane automotive paint. If painting edge trim (not recommended), use a flex additive.

D) **Performance:** Using larger tires may increase the area required to turn the vehicle. Some tire/rim combinations may require lowering bump stops and or installing steering stops to prevent tire from contacting flare.

E) **Exhaust System:** Modifications may be necessary to maintain a minimum 4" clearance between flares and exhaust pipes. (Exhaust gases should not vent directly onto flares)

F) **Metal Protection:** All exposed fasteners and bare metal should be treated with
rust resistant paint BEFORE installing flares. Spray inner fender wells with undercoating AFTER flare attachments have been completed.

G) **Decals:** Flares may interfere with existing decals on vehicle. If you wish, remove decals prior to installation of flares.

H) **Care & Cleaning:** Fender flares are built to last; any detergent you use to wash your vehicle is sufficient to clean the flare. Do not use any harsh abrasive detergents.

TOOLS FOR EASY INSTALLATION:

- Soft Cloth or Alcohol Wipe
- Utility Knife
- Ratchet Wrench
- 7mm Socket
- #2 Phillips Screwdriver
- Pry Tool
- Grease Pencil
- 5/16" Right Angle Drill

PLEASE READ: Dirt and debris can become lodged between the fender flares and the vehicle's fenders, causing scratching and paint wear from vibration. Manufacturer is not responsible for any damage, and the installation of our fender flares is done with the buyer's understanding that this scratching and paint wear may occur.

LIMITED LIFETIME WARRANTY AGAINST ANY MANUFACTURING DEFECTS: To claim warranty you must provide Proof of Purchase.

Rev 1 04-09-24

INCLUDED IN HARDWARE KIT:

1.



Push-In Pocket Hardware, Brushed Metal
44 pcs

2.



Push-In Pocket Hardware, Black
44 pcs

3.



Plastic Panel Clip
6 pcs

4.



Long “U” Clip
12 pcs

5.



Plastic Retainer
2 pcs

6.



#8 Truss-Head Screw
8 pcs

7.



#10 Truss-Head Screw
18 pcs

8.



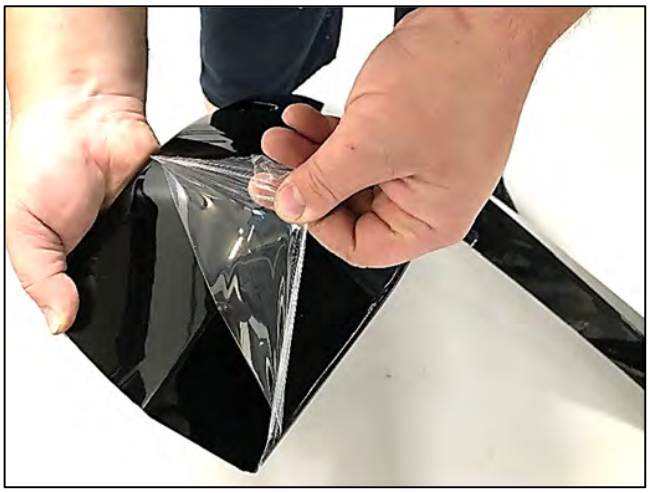
Foam Tabs
12 pcs

9.



Wiper Style Edge Trim
340 inches

IF YOU PURCHASED GLOSSY BLACK FLARES (CODE “RCGB”):



Prior to beginning installation process, peel the protective liner from each plastic piece included in the flare kit – all flares and inner pieces.

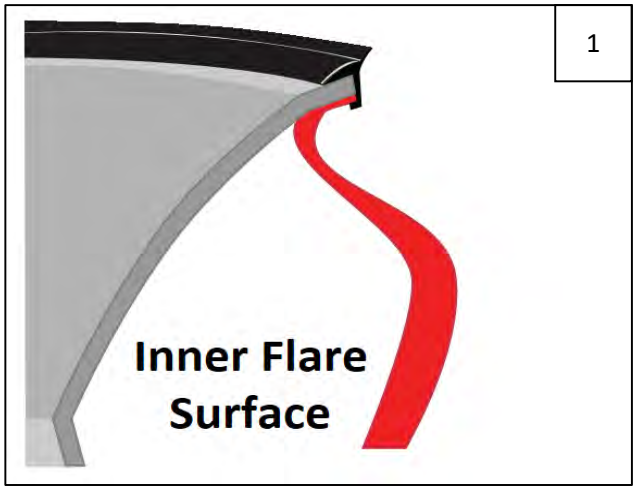
NOTE: It will be difficult to remove liner once edge trim and hardware are installed.

Once liner is removed, take care not to scratch flare surfaces. If flare needs to be cleaned, wipe gently with a clean, soft cloth.

SECTION 1: EDGE TRIM INSTALLATION

Peel 2-3 inches of red vinyl backing away from supplied edge trim tape. Applying the adhesive side of the edge trim to the inner side of the flare, affix the edge trim to the top edge of the flare (the portion that comes in contact with the side of the vehicle).

Press edge trim into place along the top edge of the flare in one-foot increments, pulling red vinyl backing free as you continue to work your way around the top edge of the flare. Trim edge trim flush with ends of flare.



SECTION 2: PUSH-IN POCKET HARDWARE INSTALLATION



Peel liner from tape on Push-In Pocket Hardware (brushed metal or black as preferred). NOTE: There will be extra



Insert Push-In Pocket Hardware into each flare pocket hole (on outer flare surface, 8 places each front flare, 9 places each rear). Push in to engage clip and tape adhesion.

SECTION 3: FRONT FLARE INSTALLATION



Use a Pry Tool to disengage factory push pin on underside of plastic trim as shown.



Remove and discard plastic trim by pulling firmly away from vehicle, disengaging a factory clip inside.



If your vehicle is 2021-2023, use 7mm socket to remove 8 factory screws from wheel well. Retain all screws for reinstallation.

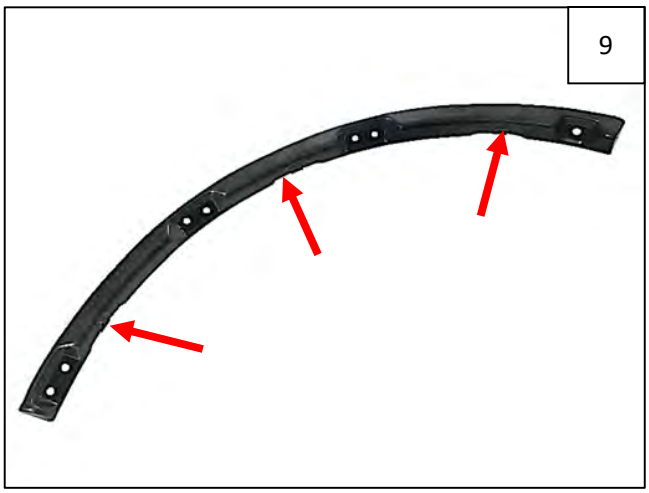
NOTE: Some models may not have screws in some locations; we have provided #8 Truss-Head Screws in this case.



If your vehicle is 2024, use 7mm socket to remove 5 factory screws from wheel well. Retain all screws for reinstallation.



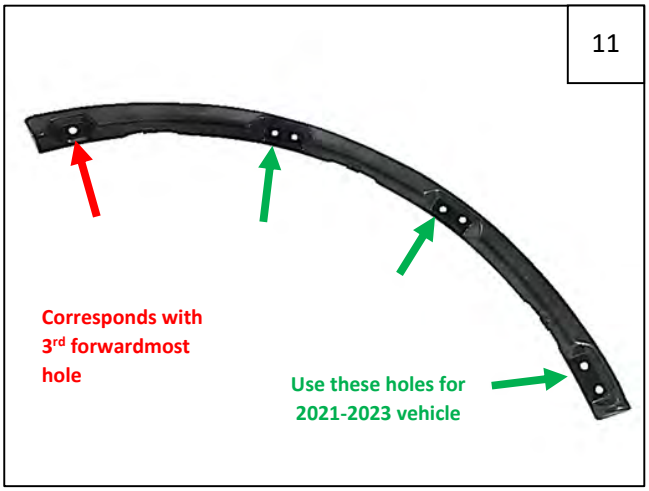
Install 3 Plastic Panel Clips onto the Inner Bracket as shown. **NOTE:** Driver's side Inner Bracket is marked with an "LF" and the passenger's side Inner Bracket is marked with an "RF".



Clip Locations.



For 2021-23 vehicle: Line up Inner Bracket holes show in Step 11 with 4 holes in wheel well, starting with the 3rd forwardmost hole. Inner Bracket will follow the curvature of the wheel well.



Holes to be used to install Inner Bracket for **2021-2023 vehicle** (forwardmost of each pair of holes).

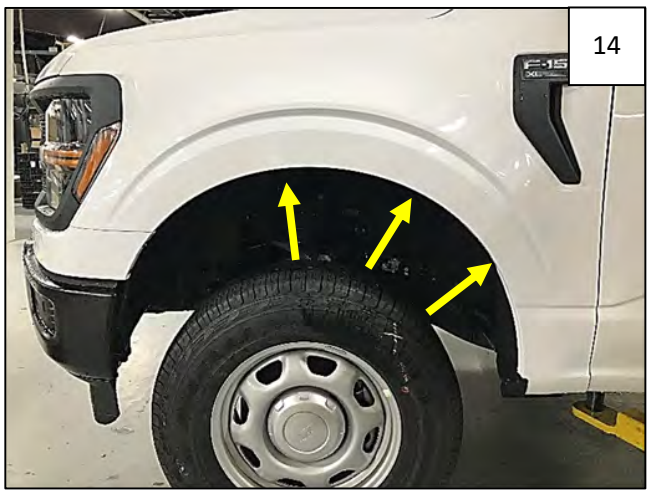


Using a 7mm socket, reinstall 4 factory screws (and/or additional supplied #8 Truss-Head Screws) through the Inner Bracket and into fender. Tighten these screws.

Skip to Step 21.



For 2024 vehicle: Peel backing from supplied Foam Tab. Wrap a Foam Tab over each interior fender tab, locations shown in next step (certain vehicles may or may not have factory holes in fender tabs; these will not be used).



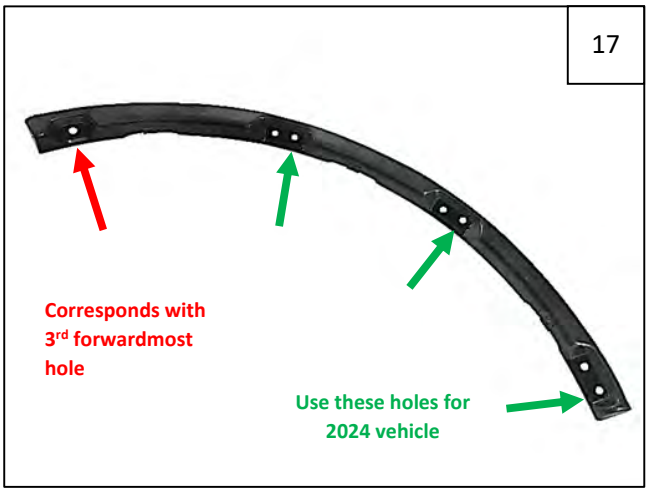
Areas to install Foam Tabs.



Slide a supplied Long “U” Clip over each Foam Tab installed in Step 13.



Line up Inner Bracket holes shown in Step 18 starting with the 3rd forwardmost hole and continuing with clips installed in Step 15. Inner Bracket will follow the curvature of the wheel well.



Holes to be used to install Inner Bracket for **2024 vehicle** (rearwardmost of each pair of holes).



Using a 7mm socket, reinstall 1 factory screw through the Inner Bracket and into fender.



Use an awl to locate holes in clips for ease of screw installation in next step.



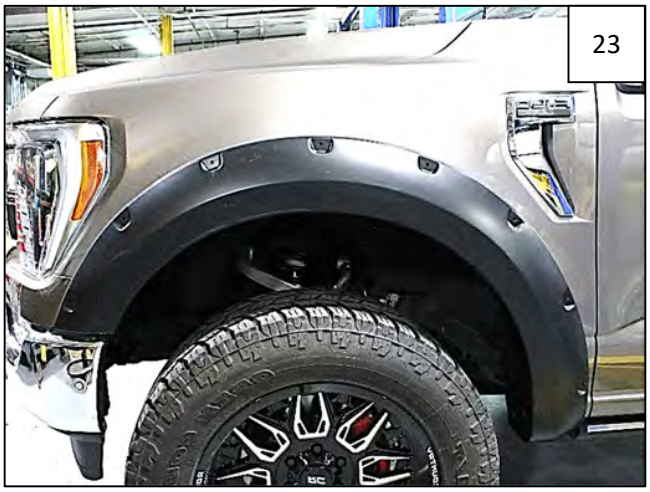
Using a Phillips Screwdriver, install 3 supplied #10 Truss Head Screws through 3 remaining holes in Inner Piece and into clips installed in Step 15. Tighten all screws.



Aligning flare on fender, press inward, firmly with force, on the flare to line up the flare mounting holes with the clips on the Inner Bracket. Install 3 supplied #10 Truss-Head Screws through the flare and into the Inner Bracket. Do not tighten.



Still pressing flare firmly to fender, reinstall 4 remaining factory screws removed in Step 6 or 7. Apply pressure to flare towards vehicle body at each fastening point and tighten all fasteners.



Completed Front Flare Installation.

SECTION 5: REAR FLARE INSTALLATION



Using a 7mm socket, remove 2 factory screws from lower front of wheel well. Retain screws.



Remove a 3rd screw from underside of lower front of wheel well.



Remove and discard plastic trim by pulling firmly away from vehicle, disengaging a hidden factory clip inside.

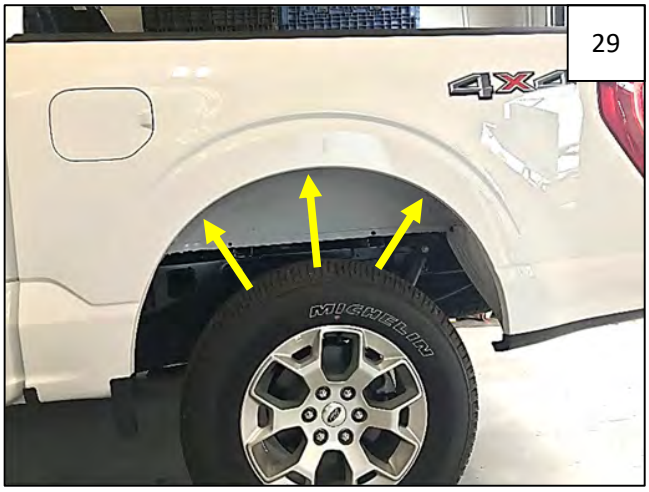


Using a pry tool, remove outer factory plastic fastener from lower rear of wheel well. Discard. Leave inner plastic fastener installed.

NOTE: If there is only one plastic fastener in this area, you will drill a hole in the trim once the flare is on (Step 35).



Holding flare firmly on fender, aligning holes in flare with fender lip. Mark 3 hole locations on fender lip with a grease pencil.



Clip locations.



Peel backing from supplied Foam Tab. Center a Foam Tab over each mark made in Step 28, folding each tab over the wheel well lip. Press to adhere.



Slide a supplied Long “U” Clip over each foam tab. Clip will overhang wheel well lip on both inner and outer surface. Clip hole should be centered approximately over mark made in Step 28.



While holding flare to vehicle, start 1 factory screw in lower front of wheel well.



Install 3 supplied #10 Truss-Head Screws through upper holes in flare and into clips installed in Step 31. Apply pressure to flare towards vehicle body at each fastening point and tighten all fasteners.



If you removed the outermost factory plastic fastener in Step 25, Install supplied Plastic Retainer through flare and into factory hole at rear of wheel well.



If your model does not have an outer plastic fastener, hold the end of the flare firmly on fender and drill a 5/16” hole through lowermost hole, into plastic trim. Hole should align with hole in sheet metal. Install supplied Plastic Retainer.



Completed Rear Flare Installation.