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Rough Country S-T12511-202 Installation Instructions

Fender Flares for Toyota 4Runner 4WD and RWD (2025)

Part number: S-T12511-202

trailfortress.com/fender-flares-toyota-4runner-4wd-and-rwd-rough-country-s-t12511-202

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.***

2025 TOYOTA 4-RUNNER SPORT 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
- Vise Grips or Pliers
- Socket Wrench
- 10mm Socket
- Pry Tool
- Phillips Screwdriver
- Grease Pencil
- Masking Tape
- Sharpie

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.

trailfortress.com/fender-flares-toyota-4runner-4wd-and-rwd-rough-country-s-t12511-202

INCLUDED IN HARDWARE KIT:

1. 

#14 “U” Clip
6 pcs

2. 

20mm Hex Screw
26 pcs

3. 

#10 “U” Clip
6 pcs

4. 

Mylar Tab
2 pcs

5. 

Long “U” Clip
2 pcs

6. 

#10 Truss-Head
Screw
8 pcs

7. 

Plastic Christmas
Tree Fastener
2 pcs

8. 

Alcohol Wipe
4 pcs

9. 

Wiper Style Edge
Trim
348 inches

PLEASE NOTE: *if your vehicle is equipped with factory fender flares, these will need to be removed prior to installation of Rough Country flares.*

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.

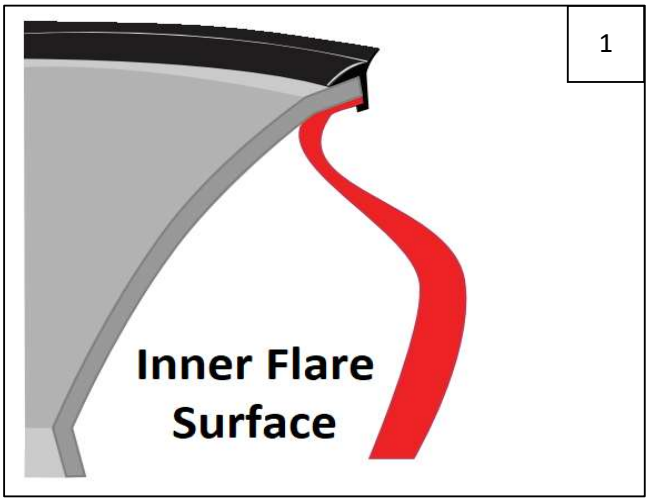
Once liner is removed, take care not to scratch flare surfaces. If flare needs to be cleaned, wipe gently with a clean soft cloth.

SECTION 1: EDGE TRIM INSTALLATION

Using a debris-free soft cloth or alcohol wipe, clean vehicle at areas of 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).

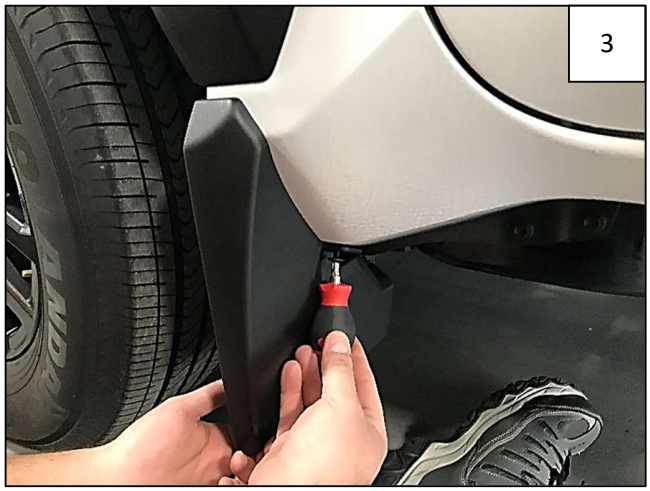
Press edge trim into place along the top edge of the flare in one-foot increments, pulling red vinyl backing free as you continue to work your way around the top edge of the flare. Trim edge trim flush with ends of flare.



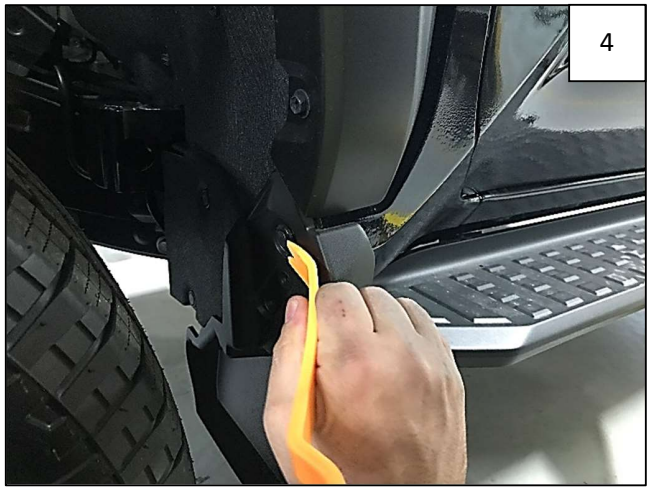
SECTION 2: FRONT FLARE INSTALLATION



If factory mudflap is present, remove 2 factory screws indicated by arrows.



Remove 1 factory screw from underside of mudflap.



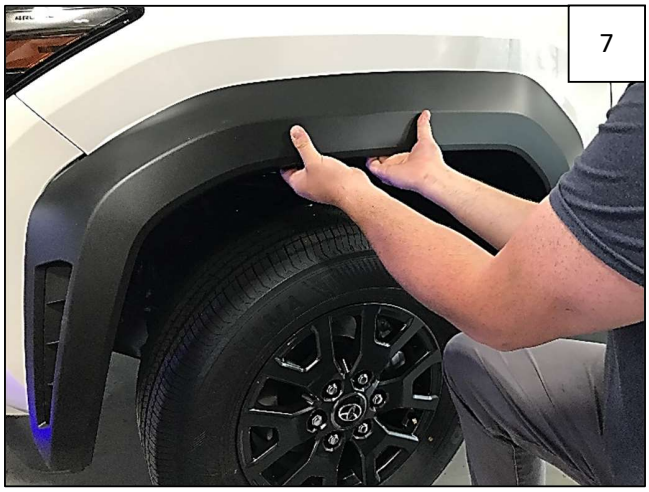
Use a pry tool to disengage plastic clip in wheel well. Remove and discard mudflap.



Use a 10mm socket to remove 7 factory screws from wheel well as indicated by arrows.



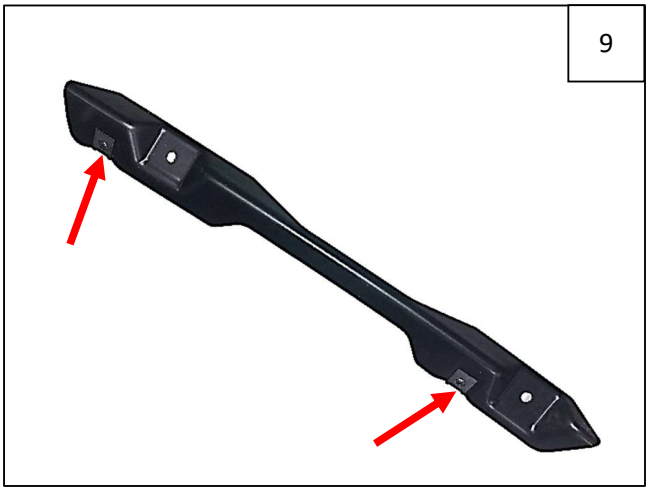
Use a pry tool to remove 2 plastic clips.



Pull factory flare away from vehicle, disengaging internal clips. Discard flare, clips and factory hardware.



Attach 2 supplied #14 “U” Clips to supplied Inner Bracket as shown. Left Front Bracket is marked as “LF” and Right Front Bracket is marked as “RF.”



#14 “U” Clip locations.



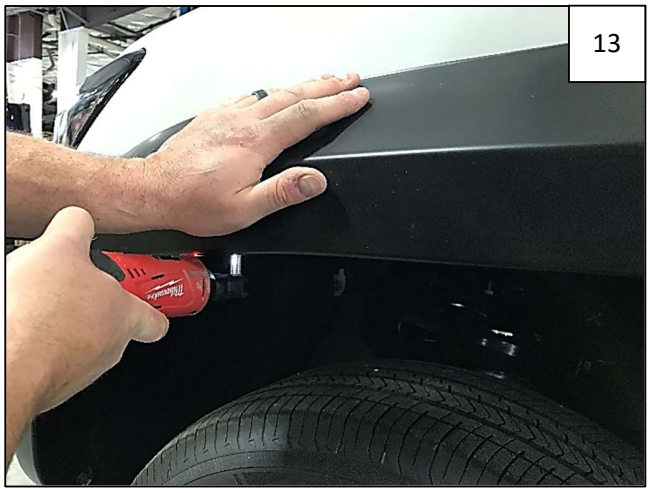
Align holes in Inner Bracket with uppermost holes in fender. Start 2 supplied 20mm Hex Screws through Inner Bracket and into holes in fender. Tighten screws.



Aligning flare on fender and pressing toward vehicle, start 2 supplied 20mm Hex Screws through flare and into clips installed on Inner Bracket. Do not tighten.



Install 5 supplied 20mm Hex Screws through remaining holes in flare and into holes in fender. Do not tighten.



Apply pressure to flare towards vehicle body at each fastening point and tighten all fasteners.



Complete Front Flare Installation.

SECTION 3: REAR MAIN FLARE INSTALLATION



If factory mudflap is present, use a #2 Phillips screwdriver to remove 2 factory screws indicated by arrows.



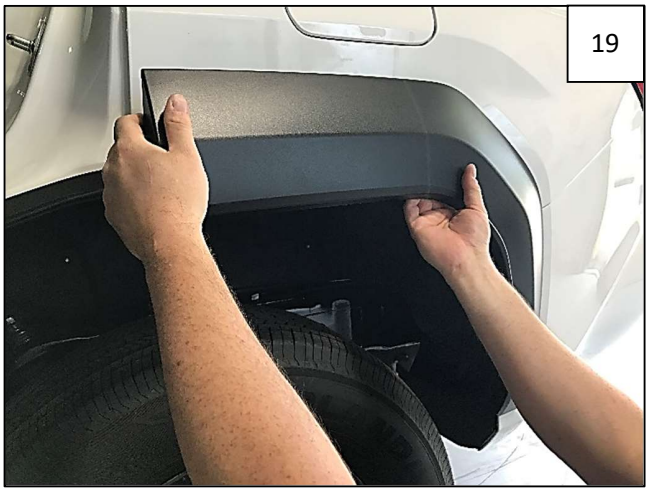
Using a 10mm socket, remove 2 factory screws from underside of mudflap at rear. Remove and discard mudflap.



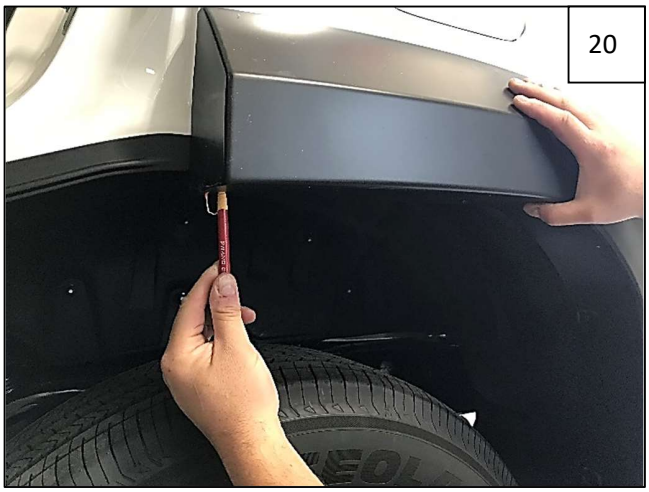
Use a 10mm socket to remove 1 factory bolt indicated by arrow.



Use a pry tool to remove 2 plastic retainers below bolt removed in Step 18.



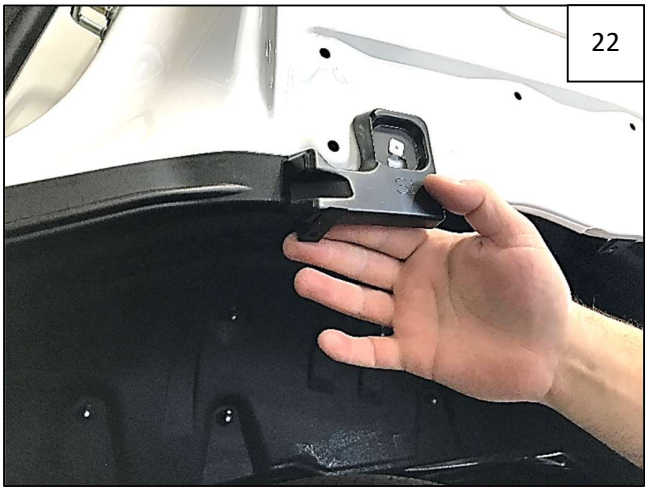
Open the rear passenger door. Pull factory flare away from vehicle, disengaging internal clips. Discard flare, clips, and factory hardware.



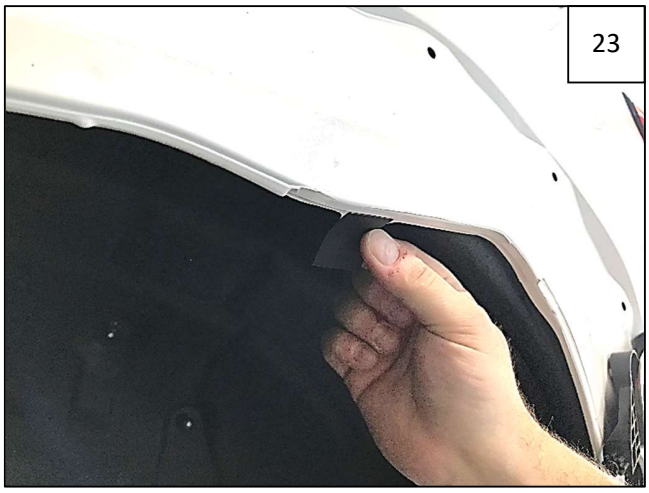
Align flare firmly on fender and use a grease pencil to mark 1 Long “U” Clip location as shown.



Long “U” Clip location (vehicle with factory flare removed shown, but location is same for both).



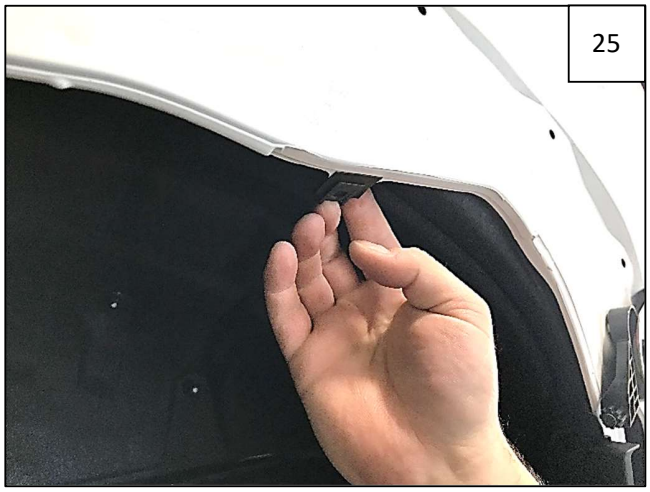
Slide a supplied Long “U” Clip over mark made in Steps 20-21, making edge of clip flush with outer edge of wheel well lip as shown.



Install a supplied Mylar Tab over metal tab in fender, centering over hole.



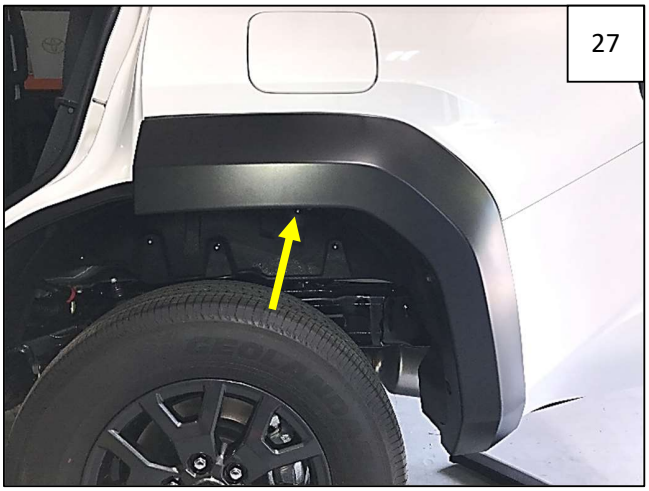
Mylar Tab location.



Install a supplied #14 “U” Clip over Mylar Tab Installed in Step 23.



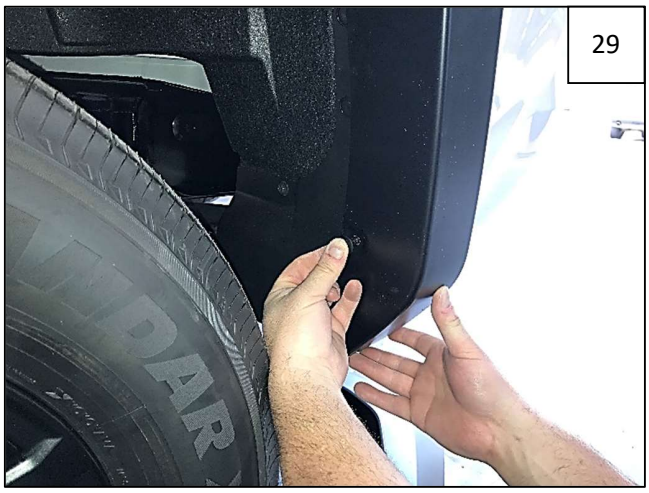
Align flare on fender and start one supplied #10 Truss Head Screw through forwardmost hole and into Long “U” Clip installed in Step 22. Do not tighten.



Start one supplied 20mm Hex Screw through flare and into #14 “U” Clip installed in Step 25 (indicated by arrow).



Start one 20mm Hex Screw through hole indicated by arrow and directly into fender.



Install a supplied Christmas Tree Fastener through lower rearmost hole in flare and into fender.



Apply pressure to flare towards vehicle body at each fastening point and tighten all fasteners.



Complete Rear Main Flare Installation.

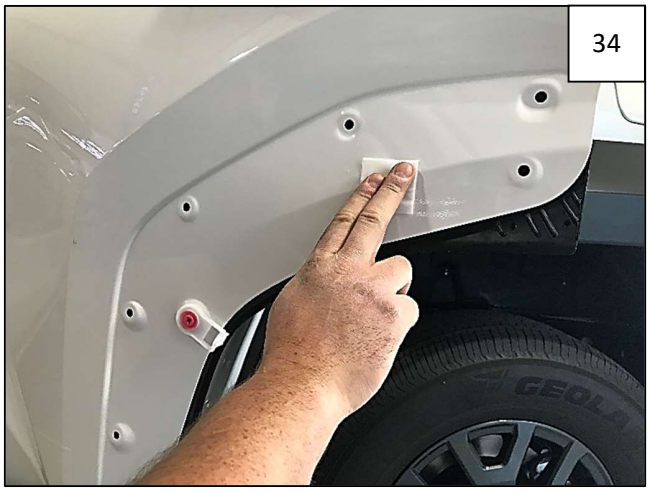
SECTION 4: REAR DOOR PIECE INSTALLATION



With door open, use a pry tool to remove 2 factory plastic retainers located along edge of flare.



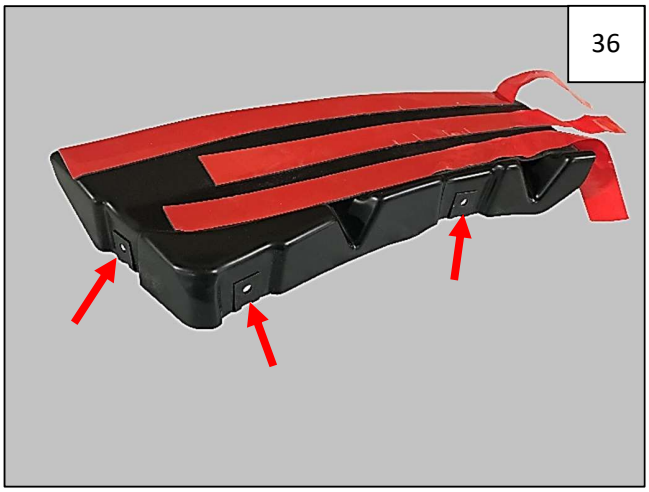
Pull factory flare away from vehicle, disengaging internal clips. Discard flare, clips, and factory hardware.



Use a supplied Alcohol Wipe to thoroughly clean the door where the Door Piece will be installed. Surface must be free of grease and dirt.



Install 3 supplied #10 “U” Clips onto Inner Door Piece as shown. Flat side of clip will face out.



Clip locations.



Fold each red tape leader toward upper outside of part.



Use masking tape to hold each tape leader in place. Use a sharpie to number each tape piece as shown.



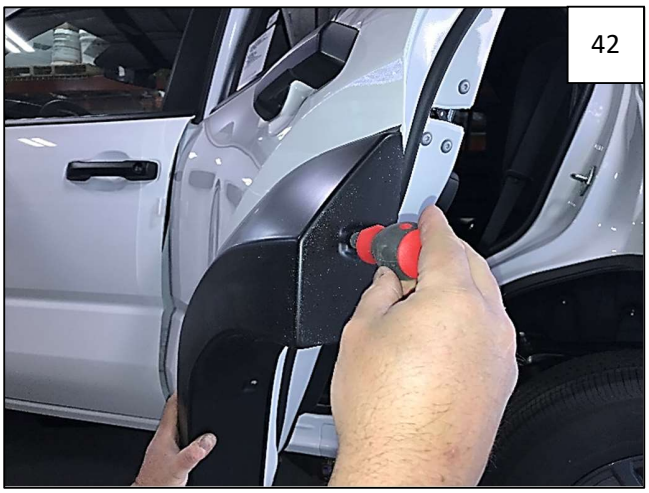
Place Inner Door Piece snugly against door, aligning formed-in feature of part with edge of door as shown. Make sure the red tape leaders are accessible.



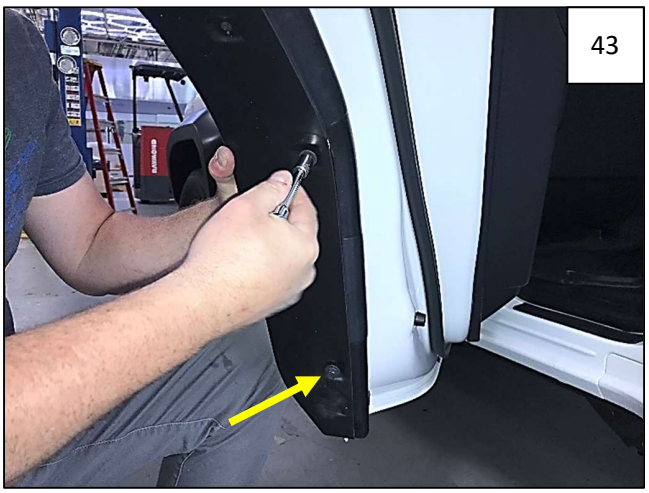
Keeping part snug against door, carefully peel each tape leader starting with the leader marked #1. Peel at a 45-degree angle away from the part to release from the tape, pressing against the part as you go.



Press part against vehicle at areas of tape for 30 seconds to ensure full adhesion. Tape cures after 24 hours at 65F degrees.



Hold Outer Door Piece in place over Inner Door Piece. Start 3 supplied #10 Truss-Head Screws through Outer Door Piece and into clips installed in Inner Door Piece in Steps 35-36.



Start 2 supplied 20mm Hex Screws through lower holes in Outer Door Piece and into Door.



Apply pressure to Door towards vehicle body at each fastening point and tighten all fasteners.



Complete Rear Door Piece Installation.