

Ford Ranger

Set Part #21915-02

STEP 1 – PRIOR TO INSTALLATION

- A) Bushwacker only approves installing 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.
- B) **Fit:** Verify the fit of the flares to vehicle. (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.



TOOLS FOR EASY INSTALLATION:

- Utility Knife
- Electric Drill
- 1/4" Drill Bit
- #2 Phillips Driver
- 1/2" Wrench
- Socket Wrench
- 7/32" Socket
- 10 mm Socket
- Grease Pencil

LIMITED LIFETIME WARRANTY AGAINST ANY MANUFACTURING DEFECTS

- To claim a warranty, you must provide Proof of Purchase.

Included in Hardware Kit:

- | | | | | | | |
|--|--|--|--|--|--|---|
| 1. 
CL1-0005,
Dacromet "U"
Spring Clip,
8 pcs | 2. 
CL1-0006,
Black "S"
Spring Clip,
2 pcs | 3. 
CL1-0022,
#10 "U" Clip,
4 pcs | 4. 
MT1-0002,
1" x1" x.017"
Black Tab,
14 pcs | 5. 
SW1-0050,
10 x 5/16 Phillips
Truss Screw,
10 pcs | 6. 
SW1-0058,
#10 x 5/8" Phillips
SS Truss Screw,
4 pcs | 7. 
SW1-0059,
5/16 x 18 x 3/8"
SS Torx Screw,
32 pcs |
| 8. 
WA1-0012,
.320 x .700 x .03
SS Washer,
32 pcs | 9. 
NU1-0019,
5/16-18 Jam Fin.
Nylock Nut,
32 pcs | 10. 
SW1-0052,
T-45 Torx Bit,
1 pc | 11. 
ET1-0002,
Edge Trim Tool,
1 pc | 12. 
GP1-0005,
Large Wiper Style
Edge Trim,
271 in | | |

Component List



STEP 2 - EDGE TRIM INSTALLATION

- A) Peel two to three inches of red vinyl backing away from Edge Trim (GP1-0005) 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 vehicle).
- B) 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.



Front & Rear Flare Pocket Hardware Installation



Put a Washer (WA1-0012) on each Bolt (SW1-0059).



Put each Bolt/Washer combination through a pocket hole in the flare, Bolt head and Washer on the outside.



Place a Nut (NU1-0019) over the end of each Bolt and tighten, using a 1/2" wrench for the Nut and the supplied Torx Bit (SW1-0052) for the Bolt. Repeat for remaining pockets.

Front Flare Installation Procedures (Driver's Side)



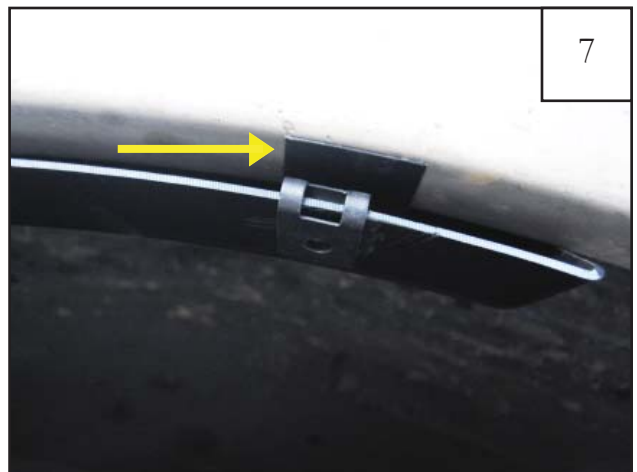
Remove factory flare, mud flap, or rock guard and clean wheel well opening. Remove two fender inner liner factory screws with a 7/32" socket wrench. Save screws for reinstallation.



Install Clips (CL1-0022) on inner piece over the holes. (2 Locations)



Install inner piece by hand starting factory screws, saved from Step 4, into factory holes.



Install Tab (MT1-0002) on sheet metal between inner piece and wheel well at two inner piece Clip (CL1-0022) locations. Tighten factory screws.



Remove factory screw at rear of wheel well. Save for reinstallation.



Hold flare to vehicle and mark second rearmost hole location with grease pencil.



Install a Tab (MT1-0002) centered over mark made in Step 9. Edge of Tab should be even with edge of sheet metal.



Install a Clip (CL1-0006) over the Tab installed in Step 10.



Hold flare in place and start Screws (SW1-0058) in Clip (CL1-0022) locations and into inner piece. *Do not tighten.*



Start Screw (SW1-0050) into Clip (CL1-0006) installed in Step 11. *Do not tighten.*



Reinstall factory screw saved from Step 8.



Ensuring proper flare placement, tighten all screws.

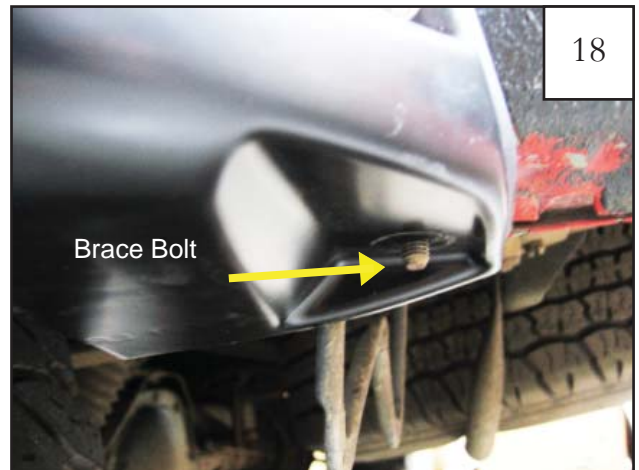


Completed front flare installation.

Rear Flare Installation Procedures (Driver's Side)



Remove any installed factory flares, mud flaps, or stone guards and clean wheel well opening. Remove rear Fender Brace Nut with a 13mm socket. Save brace nut for reinstallation.



Position flare on fender ensuring that fender brace bolt is through the flare's bottom pocket.



19

Mark through all flare holes using a grease pencil. Remove Flare.



20

Install a Tab (MT1-0002) centered over each of the four holes marked in Step 19. Edge of Tab should be even with edge of sheet metal.



21

Install an Clip (CL1-0005) over each of the Tabs installed in Step 20.



22

Reposition flare on fender ensuring that fender brace bolt is through lowest rearward hole and, starting with the rearmost wheel well hole, start Screws (SW1-0050) through holes in flare and into Clips (CL1-0022) with a #2 Phillips screwdriver.



23

Start Fender Brace Nut removed in Step 17 on fender brace bolt.



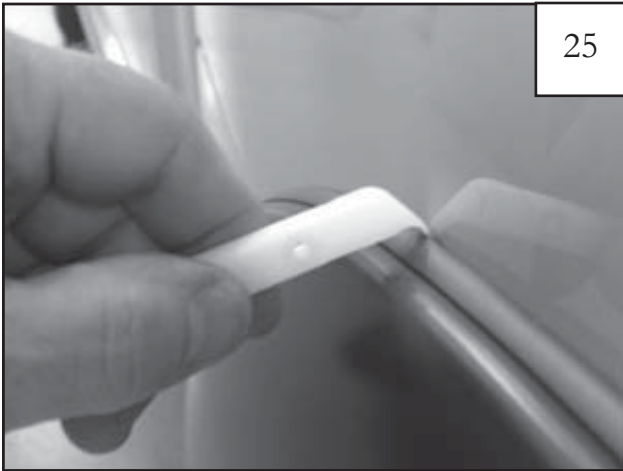
23

Ensure proper placement of flare and tighten all screws and the brace nut.



Completed rear flare installation.

Front & Rear Edge Trim Tool Procedures



Using supplied Edge Trim Tool (ET1-0002), seat edge trim against vehicle by hooking curved end under edge trim at one end of flare. Next, slide around outer edge of flare to the other end.



Using flat end of supplied Edge Trim Tool (ET1-0002), seat edge trim against flare by inserting straight end between edge trim and flare at one end. Next, slide around entire edge to the other end.

Flare Height & Tire Coverage (Passenger's Side)

