



# Jeep TJ Trail Armor for use with Factory Flares Set Part # 14902 Rev 1 01/08/10

## 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 you have ordered the correct Body Cladding for your vehicle make and model and check their fit.
- C) **Painting :** (Optional) if paint is desired it must be done prior to installing flares on the 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. Paint flares using a high quality enamel, or polyurethane automotive paint. (Application of a primer coat is optional)

### TOOLS FOR EASY INSTALLATION

- Utility Knife
- #2 Phillips Drive bit
- 3/4" Socket
- Socket Wrench
- T25 Torx Bit
- T30 Torx Bit
- 8mm Socket
- Marker

### Kit Supplied Hardware:



Square Plastic  
Grommet  
(4 per)



10mm Hex  
Screw  
(4 per)



Tuf-Lok  
Fastener  
(6 per)

## INSTALLATION PROCEDURES

**IMPORTANT NOTE: Ambient Temperature** – During installation: the vehicle, the parts, and the tape need to be between 60° and 110°F for proper adhesion. Vehicle surface must also be wiped with alcohol to remove dirt and grease, which may also affect adhesion. Failure to maintain proper installation temperature and surface preparation may result in the part not functioning correctly.

## STEP 2: Driver Side Rear Corner Installation

- A) Remove the Gas Tank Outer Flange using a T25 Torx Bit, retaining factory hardware for later use. (8 screws)  
**See Figure #1.**
- B) Remove the Tail Light Lens using a #2 Philips screwdriver (4 screws), then remove tail light housing using 10mm socket wrench (3 screws) retaining the factory hardware for later use. **See Figure #2.**
- C) Remove the License Plate and License Plate holder (4 screws) using a 10mm socket wrench, retaining factory hardware for later use. **See Figure #2.**
- D) Peel red vinyl backing from the tape on the Driver Side Rear Corner Piece.
- E) Using the cut outs and screw holes in the Driver Side Rear Corner Piece as a guide, align the Rear Corner Piece with corresponding cut outs and screw holes in the vehicle. Take care not to exert pressure on the adhesive tape before you have aligned the Rear Corner Piece properly.
- F) Once you have checked for proper location apply 30 pounds of pressure per square inch to areas of the parts opposite tape pads to ensure proper tape adhesion. **(See Important Note above)**
- G) Re-install the Gas Tank Outer Flange and Tail Light using the factory hardware.
- H) Insert a square plastic grommet into each of the square holes in the license plate area.
- I) Re-install the License Plate using supplied 10mm hex screws (4 screws)



Figure #1 – Remove Gas Tank Outer Flange

## STEP 3: Passenger Side Rear Corner Installation

- A) Remove the Tail Light Lens using a #2 Philips screwdriver (4 screws), then remove tail light housing using 10mm socket wrench (3 screws) retaining the factory hardware for later use. **See Figure #2.**
- B) Peel red vinyl backing from the tape on the Passenger Side Rear Corner Piece.
- C) Using the screw holes in the Passenger Side Rear Corner Piece as a guide, align the Rear Corner Piece with the corresponding screw holes in the vehicle. Take care not to exert pressure on the adhesive tape before you have aligned the Rear Corner Piece properly.
- D) Once you have checked for proper location apply 30 pounds of pressure per square inch to areas of the parts opposite tape pads to ensure proper tape adhesion.
- E) Reinstall the Tail Light using the factory hardware.



Figure #2 – Remove Tail Light & License Plate

NOTE: Some adjustment to rear fender flares may be required for uniform gap between rear corner and flare.

### STEP 4: Rear Panel Installation

- A) Remove the spare tire using a ¾" Socket. Retain the factory hardware (3 lug nuts). **See Figure #3.**
- B) Using a T30 Torx Bit, remove the screw holding the lower rubber tire stop in place, retaining both the screw and the rubber tire stop. **See Figure #4.**
- C) Peel red vinyl backing from the tape on the Rear Panel.
- D) Using the hole in the center of the Rear Panel as a guide, align with the hole located in the vehicle. Take care not to exert pressure on the adhesive tape before you have aligned the Rear Panel properly.
- E) Once you have checked for proper location apply 30 pounds of pressure per square inch to areas of the parts opposite tape pads to ensure proper tape adhesion.
- F) Reinstall the lower rubber tire stop and Spare Tire using the factory hardware. **See Figure #5.**



**Figure #3 – Remove Spare Tire**



**Figure #4 – Remove Tire Stop**

### STEP 5: Side Panel Installation

- A) Remove the factory stone guard using an 8mm Socket and ratchet. **See Figure #6.**
- B) Prior to Installation, look at part numbers inscribed in the plastic to identify right and left side panel. (**Right – 14002 R; Left – 14002 L**)
- C) Peel red vinyl backing from the tape on the Side Panels.
- D) Using the holes on the underside of the Side Panel as a guide, align with 3 factory holes on the underside of the vehicle. Take care not to exert pressure on the adhesive tape before you have aligned the side Panel properly. **See Figure #7.**
- E) Attach underside edge of the Side Panel to the vehicle using supplied Tuf-Lok® fasteners.
- F) Apply 30 pounds of pressure per square inch to areas of the parts opposite tape pads to ensure proper tape adhesion.



**Figure #5 – Reinstall Tire Stop & Tire**



**Figure #6 – Remove Stone Guard**



**Figure #7 – Install Side Panel**

## STEP 6: Front Panel Installation

- A) Remove the factory Front Panel, using 10mm socket wrench (4 bolts) retaining the factory hardware for later use. **See Figure #8.**
- B) Using holes as a guide align the Front Panel and fasten with factory hardware removed previously.



**Figure #8 – Factory Front Panel Removed**