



# Jeep Wrangler Panel Flare

Set Part # 10900

Rev B 5-04

## Step 1:

### Prior to Installation:

- A) **Vehicle Regulations:** Reattachment of front side marker light may be mandatory (to be street legal) in your state. Check state and local laws for requirements. This kit contains hardware for reattachment of front marker lights. See Step 5E for CJ-7 rear marker light relocation instructions.
- B) **Fit:** Verify the fit of the flares to vehicle by holding over the factory flares. **(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 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)  
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)

## TOOLS FOR EASY INSTALLATION

- 11/64" Drill Bit
- 1-1/8" Hole Saw
- Electric Drill
- Phillips Screw Driver
- Wire Crimpers
- Tape Measure
- Black Electrical Tape
- Level
- Masking Tape
- Grease Pencil
- Pop Rivet Gun
- Tack Cloth

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## FLARE INSTALLATION PROCEDURES

### Step 2: Disassembly

- A) Remove marker lights on front fenders and save.
- B) Remove factory flares (front and rear).
- C) Loosen fasteners on factory front flare extension.
- D) If your Wrangler is equipped with the factory step, remove the plastic cover.

### Step 3: Attachment (Fronts)

- A) Using seam on top front of fender as a guide, mark a line back 2" and 20". Mark an intersecting line 1-7/8" in from side of fender. These will be the alignment points for the edge of fender flare.
- B) Place flare on fender and align with marked lines. Make sure flare is tight at front of fender roll-under and at rocker panel roll-under. Slip gimp between flare and fender at front. Wrap gimp around at front roll-under

and leave 1" excess. Bulb of gimp should be tight against edge of flare. Using indented point in attachment pocket as a guide, drill through flare, gimp, and sheet metal with an 11/64" bit. Apply a dab of silicone or body sealer in drilled hole to seal. Place cap base over drilled hole. Place a #8 flat washer inside cap base and secure with pop rivet. Continue same procedure until all outer rivet pockets are secured. Make four or five wedge-shaped cuts in leg of gimp at corners. This will prevent gimp from wrinkling or holding flare away from sheet metal. Drill and rivet two locations at rocker panel roll-under. Drill and rivet one location at front of fender roll-under. Note: Roll-under lip at both locations is very narrow, so position and drill very carefully.

- C) Fender gimp can be run around factory flare extension or stopped at bottom of vertical leg of flare. Secure factory flare extension screws.
- D) Trim gimp off at roll-under. Apply snap caps to outer pockets.

#### **Step 4: Marker Light Attachment (Fronts)**

- A)** Using second rivet pocket from front as a guide, mark a line (or use masking tape) straight out to side of flare. Run line down side of flare and mark a point in the center of this line. Drill center point with a 1-1/8" hole saw. Place marker light housing in hole and level up. Mark mounting screw locations. Remove light housing and drill marked locations with an 11/64" bit. Reinstall light housing; secure with original screws and flat nuts supplied.
- B)** Measure one turn signal wire back 4" from light socket and cut wire. Cut other wire 5-1/2" from light socket. Strip insulation back from all four ends of cut wire. Strip insulation back from ends of kit supplied wire. Insert kit supplied wire between cut turn signal wires and secure using supplied crimp connectors. Place wires into sections of loom and butt up to stock loom. Use electrical tape to hold the two together. Run loom through hole in fender and connect to light housing.

#### **Step 5: Attachment (Rears)**

- A)** Mark a line 1/8" back and parallel with door opening. Align outside edge of fender gimp to this line (not edge of flare).

- B)** Hook bottom of flare (front and rear) to roll-under lip at rocker panel. Along front leg of flare, slip fender gimp between flare and sheet metal. Align edge of gimp to marked line. With everything held in place, drill bottom rivet pocket with 11/64" bit. Apply a dab of silicone or body sealer in drilled hole to seal. Place cap base over drilled hole. Place a #8 flat washer inside cap base and secure with a pop rivet. Continue same procedure until all outer rivet pockets are secured. Make 4 or 5 wedge-shaped cuts in leg of gimp at corners. This will prevent gimp from wrinkling or holding flare away from sheet metal. Drill and rivet two places at lower front and rear roll-under lip. Note: Roll-under lip at both locations is very narrow, so position and drill very carefully.
- C)** Trim gimp off at roll-under. Apply snap caps to outer pockets.
- D)** If your Wrangler is equipped with the factory step, it will be necessary to trim end to accommodate the flare.
- E)** Relocation of rear marker lights on CJ-7 vehicles can be achieved by installation of later model CJ/Wrangler tail-lights which have the side marker lights incorporated. Inserts (supplied) can be used to plug existing holes. Some wiring modification may be necessary.

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