



# JEEP WRANGLER FLAT-STYLE FLARES

**PART NO J139112**  
**FITS ALL JK JEEP Wranglers**  
**FROM 2007-2018**

### KEY TO COMPONENTS

- A. 2 ea. Front Fender Flares  
(1 Driver 1 Passenger)
- B. 2 ea. Rear Fender Flares  
(1 Driver 1 Passenger)
- C-1. 1 ea. Top Front Insert (D\*)
- C-2. 1 ea. Lower Front Insert (D\*)
- D-1.1 ea. Top Front Insert (P\*\*)
- D-2. 1 ea. Lower Front Insert (P\*\*)
- E-1. 1 ea. Rear top Insert (D\*)
- E-2. 1 ea. Rear Center Insert (D\*)
- E-3. 1 ea. Lower Rear Insert (D\*)
- F-1. 1 ea. Front Insert (P\*\*)
- F-2. 1 ea. Rear Center Insert (P\*\*)
- F-3. 1 ea. Lower Rear Insert (P\*\*)
- G. 2 ea. Side marker lights

\*Driver Side    \*\*Passenger side

### ADDITIONAL COMPONENTS

- H. 30 ea. 1/4 20 x 3/4" Hex Head Bolt
- I. 30 ea. 1/4 20 locknut
- J. 20ft. Rubber Edge Trim
- K. 20 ea. L Brackets
- L. 34 ea. Push Rivet
- M. 4 ea. # 4 x 1/2 "Phillips head screws
- N. Wire Connector

### TOOLS NEEDED

- A. Socket Drive
- B. Pliers
- C. Christmas tree clip removal tool or similar tool
- D. Slot head screwdriver
- E. 3/8 socket
- F. #1 Philips Head Screw Driver
- G. 10mm socket
- H. 3/8 Wrench



A x 2



B x 2



C-1 x 1



D-1 x 1



C-2 x 1

E-1 x 1



D-2 x 1

F-1 x 1



E-2 x 1



F-2 x 1



E-3 x 1



F-3 x 1



G x 2



H x 30



I x 30



J x 20ft



K x 20



L x 34



M x 4



N x 4



- **NOTES ON INSTALLATION**

- Pre-fit all panels as you proceed with the installation.
- As you complete each section repeat the steps for the opposite flare so that the procedures are fresh in your mind.
- After the first flare is complete you will master the technique and the other three will proceed quickly.
- Do Not Over-Tighten Screws. This will result in stripped inserts and plastic stress cracks
- As you remove factory parts set them aside safely for later use.
- When removing factory flares you will likely break some of the factory retaining clips. The design of the clips makes it unavoidable. The broken clips will not cause any harm as they are not needed for installing the new flares.

### BRACKET INSTALATION

Before installing Inserts look behind the Insert there you will find that they are embossed: D-F (Driver Front), D-R (Driver Rear), DR-CEN-R (Driver Center Rear), PH-F (Passenger Front), PH-R (Passenger Rear) and PH-CEN-R (Passenger Center Rear). Some examples are shown below. These correspond to the position that these brackets are located on the Jeep. Failure to correctly position these brackets will prevent you from correctly installing the flares.



### SIDE MARKER LIGHT INSTALLATION

Locate supplied side marker light.  
Place light into the recess of one of the front fender flares.  
Locate 2 supplied # 4 x ½ Using a #1 Philips head screw driver install 2 supplied Philips head screws (M) to secure the light on the flare.  
Repeat for the other flare.



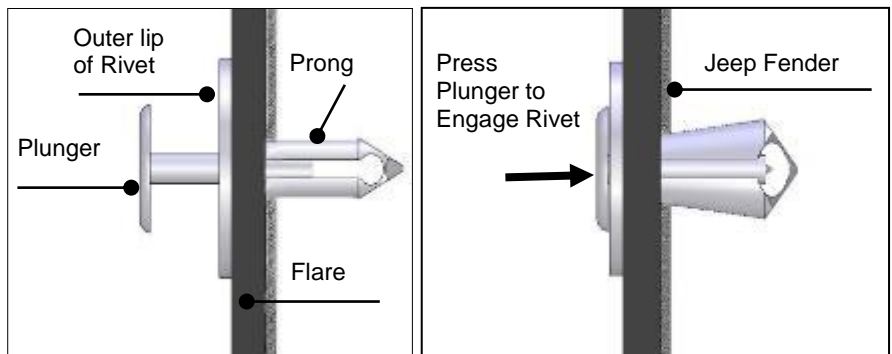
### INSTALLING PUSH RIVETS

Plastic Push Rivets are used in the front and rear Flare installation. If you have never installed Plastic Push Rivets before please read the information below regarding the installation. If you are familiar with these types of Rivets skip this section and go to Step 1.

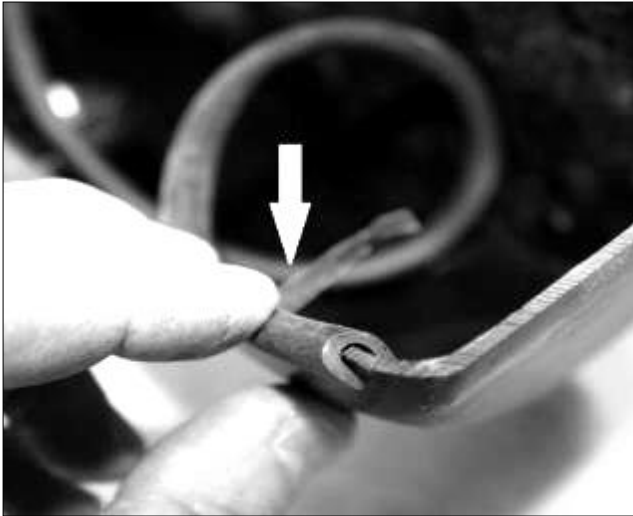
1. Push the Rivet by the outer lip through the hole/slot in the Trail Driver Flare and into the mounting hole/bracket in the Jeep fender.

**NOTE:** Do Not Press the Rivet Plunger!

2. Ensure the Rivet is sitting tightly against the flare surface.
3. Press in the Rivet Plunger until it bottoms out. The prong will expand and assure a secure assembly.



## INSTALLING RUBBER TRIM ON NEW FENDER FLARES



**Step 1**  
Starting at one end of the flare, push the rubber trim (J) onto the Outside edge only of flare.



**Step 2**  
Continue pressing the rubber trim (J) on to the flare in 6" increments until you reach the other end of the flare. Repeat for the other 3 flares.

## FRONT FACTORY FLARE REMOVAL



**Step 1**  
Remove plastic fastener with slot head screw driver as shown above.

## FRONT FRACTORY FLARE REMOVAL continued



### Step 2

Using a 10 mm socket remove the 5 bolts indicated as shown above. Using Christmas tree clip removal tool (not supplied) or similar tool remove any remaining factory mounting clips. (NOTE: set aside factory hardware and flares if you intent to reinstall the factory wheel well liner. See last section for further details)

### Step 3

Disconnect turn signal harness by firmly pressing down on the Mate-n-lock plug.



### Step 4

Take hold of the front part of the flare and firmly pull up to release the hidden factory mounting clips as shown above. Move to the center of the flare then rear of the flare pulling firmly up and back. You will hear a clicking sound as the clips are released as shown above. Repeat steps 1-4 above for other side.



## Rear Factory Flare Removal



### Step 1

Remove 6 Christmas tree plastic clips using a clip removal tool or similar tool. (NOTE: set aside factory hardware and flares if you intent to reinstall the factory wheel well liner. See last section for further details)



### Step 2

With all fasteners removed firmly take hold of the front lower edge of the flare and Pull up to release the mounting clips. You will hear a clicking sound as the clips are released. Continue to work your way towards the center then rear of the flare pulling firmly up and back on the flare as you go as shown above.



### Step 3

Using a pry tool or pliers, remove any remaining factory mounting clips. Discard factory mounting clips. Repeat steps 1-3 above for other side.



### Step 4

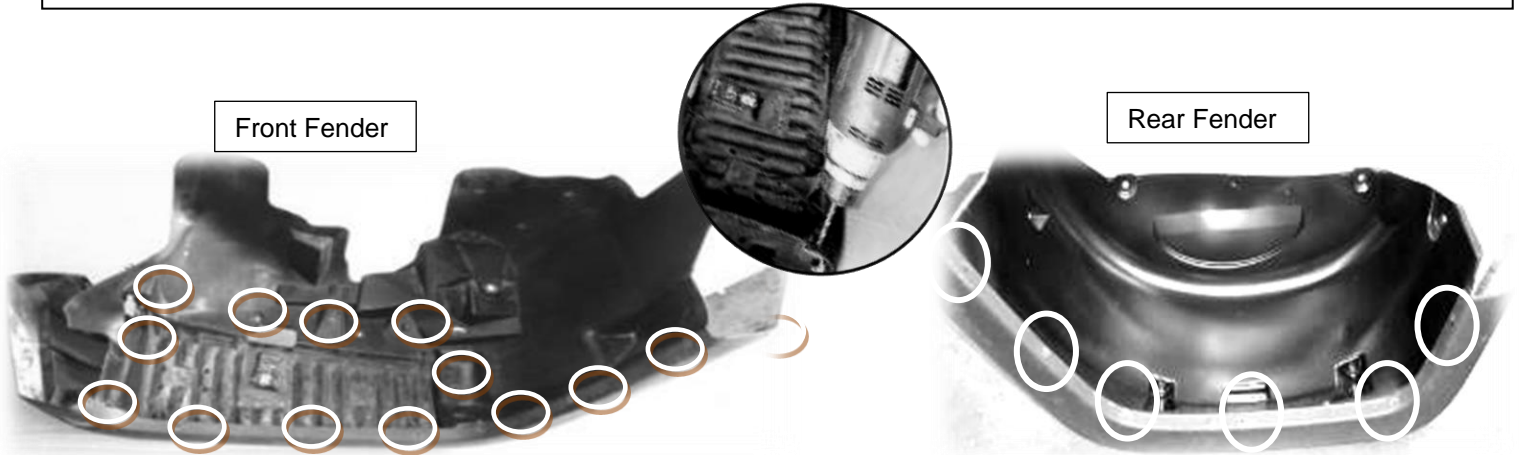
Thoroughly clean the fender to remove any accumulated dirt or debris.

## OPTIONAL: FRONT FACTORY WHEEL-WELL LINER

**NOTE: If you wish to re-install the wheel well liner follow the steps below otherwise skip this section.**

### Step 1

Using a 5/16" drill bit drill off the 7 plastic push-rivets along the front edge of the fender. Remove any plastic clips using a clip removal tool or pliers. Separate the inner-liner from the flare and plastic bracket. Keep the liner. Discard the flare and plastic bracket. Repeat for other flares



### Step 2

Place the liner back in the Jeep Wheel well. Using the edge of the fender as a guide draw lines along the perimeter of the liner with a white china marker. With large plastic cutting shears or grinding wheel cut along the plastic following your guide lines. Set aside trimmed liner for use after flares have been installed as shown above.



Front Fender



Rear Fender

## Installing Front Fender

### Step 3

Place trimmed liner back in the Jeep wheel well. Line up the holes in the liner with the holes in the fender. Using factory hardware re-install the liner as shown above. Repeat process for remaining liners.



### Step 1

Place Front Insert (C-1) on the driver's side of the jeep. Line up the holes in the Insert with the factory holes in the fender.



### Step 2

Using a 3/8 wrench or your hands when possible place a supplied locknut on the back side of the fender. Install a supplied hex head bolt (H) through the Insert in position #3 and through the factory hole in the fender. Finger tighten only. Repeat for #4 position. Do Not tighten bolts



### Step 4

When all bolts are installed proceed to tighten bolts using a 3/8 socket and wrench.

### Step 3

Insert supplied hex head bolt (H) onto the smaller hole of supplied L brackets (K). Using a 3/8 wrench or your hands when possible place a supplied locknut on the back side of the fender. Install the supplied L bracket with the bolt through the Insert in position #1, 2 and 5 and through the factory hole in the fender. Finger tighten only.

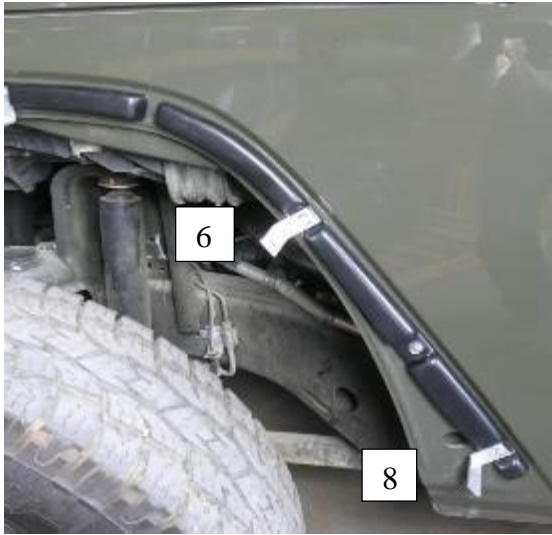
**Installing Front Fender continued**



**Step 5**  
Place Lower front Insert (C-2) onto the side of the Jeep as shown above.



**Step 6**  
Install a supplied hex head bolt (H) position # 7 through the Insert and through the factory hole in the fender. Using a 3/8 wrench or your hands when possible place a supplied locknut (I) on the back side of the fender. Finger tighten only.



**Step 7** Insert supplied hex head bolt (H) onto the smaller hole of supplied L brackets (K). Using a 3/8 wrench or your hands when possible place a supplied locknut (I) on the back side of the fender. Install the supplied L bracket with the bolt through the Insert in position #6 and through the factory hole in the fender. Repeat for position 8. Finger tighten only.

**Step 8**  
When all bolts are installed proceed to tighten all bolts using a 3/8 socket.





## Installing Front Fender continued



**Step 9**  
Install front fender flare (A) on the jeep fender.



**Step 10**  
Adjust the flare until the hole in the flare is centered over the holes in the L brackets. Insert supplied push rivet (L) onto all 5 positions in the inner bottom part of the front fender flare (A) as shown above. Repeat all steps above for other side of Jeep.

## CONNECT MARKER LIGHTS

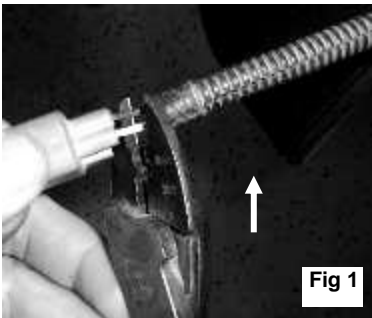


Fig 1

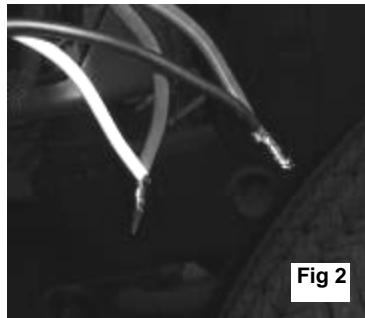


Fig 2

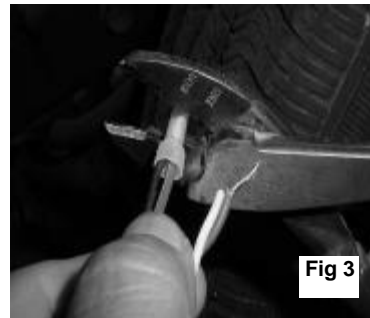


Fig 3

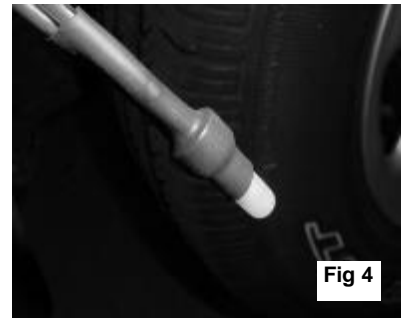


Fig 4

Once the front flares are installed complete the installation by connecting the Turn signal wiring

1. Cut the two wires at the base of the factory turn signal light housing. **Fig 1** Discard factory turn signal light.
2. Strip back the insulation and twist the factory wiring onto the wiring in the supplied marker light. **Fig 2**
3. Turn on the light to test if it is correctly wired. If it does not turn on reverse the wires.
4. Once the light is tested and working crimp a supplied wire connector (N) onto each lead. **Fig 3**
5. Seal the connection with a small piece of heat shrink tube (not supplied).
6. NOTE: If you don't have a heat gun, shrink the tube using a hair dryer. **Fig 4**
7. Repeat steps 1-5 for the other side.

## INSTALLING REAR FENDER FLARES

Note: Before installing rear inserts onto vehicle install L brackets onto the inserts.



Fig 1



Fig 2



E-1



E-2



E-3



Fig 3



Fig 4

### Step 1

Working on the back side of the top rear insert (**E-1**) Insert supplied hex head bolt (H) through the hole in the insert in position 2 and 5. Fig 1 Insert supplied L bracket (K) on to hex head bolt Fig 2. Start supplied locknut (I) onto bolt Fig 3. Tighten down with 3/8 socket Fig 4.

### Step 2

Repeat step 1 above for the (**E-2**) center rear insert. Install the L bracket in position #2.

### Step 3

Repeat step 1 above for the (**E-3**) Lower rear insert. Install the L brackets in position #2 and 4.



### Step 4

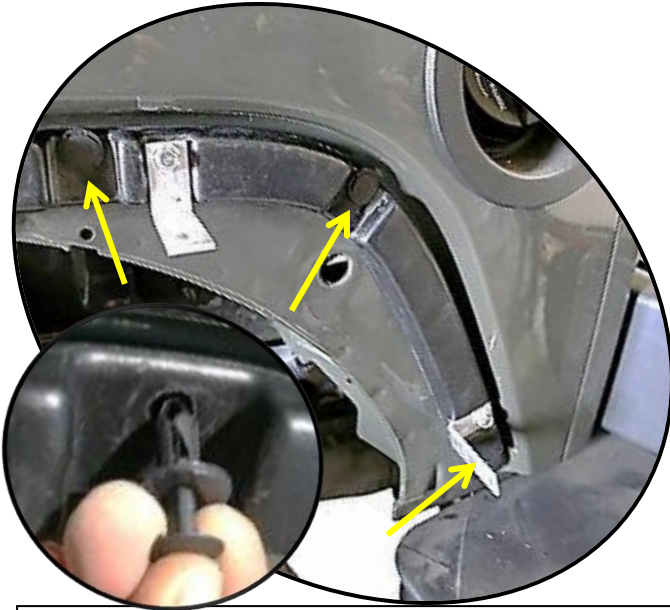
Place rear top Insert (E-1) onto most outer front of vehicle fender as shown above. Insert supplied push rivets (L) onto all four positions on rear top Insert as shown above.



### Step 5

Place rear center Insert (E-2) onto the center rear of vehicle fender as shown above. Insert a supplied hex head bolt (H) as circled above through the Insert and through the factory hole. Insert supplied locknut (I) at the end of hex bolt. Tighten down with 3/8 socket.

**INSTALLING REAR FENDER FLARES** continued



**Step 6**  
Place lower rear insert (E-3) onto most outer rear of vehicle fender as shown above. Insert supplied push rivets (L) onto all three positions on lower rear Insert as shown above.



**Step 7**  
Install front fender flare (B) on the jeep fender.



**Step 8**  
Adjust the flare until the holes in the flare are centered over the holes in the L brackets. Insert supplied push rivet (L) onto all 5 positions in the inner bottom part of the rear fender flare (B). Repeat all steps above for other side of Jeep.

**CONGRATULATIONS. The installation is complete.**