



Part No. 8870 -or
Part No. 9100-9110

Front Fender Flares
Flat Panel Design
07-09 Jeep JK, 2/4 Dr.



PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE PROCEEDING

We have provided complete instructions and specific hardware, brackets, and fasteners. The list of these items is listed on the last page of the instructions.

--Before starting please verify that they are included with the shipment.

Also, verify that you received the correct part(s). All part numbers are embossed on the inside of the urethane component(s).

Tools & general materials required: drill, a 3/32" drill bit, 1/4" socket and box wrench, Phillips screwdriver, and various hand tools.

THERE ARE THREE PHASES TO MOST INSTALLATIONS:

- 1) Removal of factory parts and then TEST FIT the parts
- 2) Preparation of the parts for paint--and painting (optional)
- 3) Installation of the parts

PHASE 1) REMOVAL & TEST FIT

-REMOVAL: Remove the black plastic wheel liner saving the two hex bolts and the large circular black fastener bolt. Remove the factory fender flare support structure. Unplug the bulb from the side marker light housing. Remove the factory fender flares. Save all bolts from this removal phase.

TEST FIT the parts to verify excellent fit

DO NOT PREP, DRILL OR PAINT THE PARTS UNTIL THIS IS DONE.

NOTE: Occasionally, our urethane parts might seem to be slightly distorted upon test fit. If so, place them in the sun drilled side down (if a warm day) or in a warm area for an hour or more and they should return to their original shape.

Reinstall the wheel liner onto the Jeep using the 2- factory hex head bolts with a 3/4 black washer (provided) and the large circular black fastener. Using a light colored grease pencil and using the edge of the steel wheel opening as a guide mark the wheel liner from front to back. Remove the liner.

Trim the wheel liner where marked with a razor blade knife and clean up the trimmed edges with 150 grit sandpaper (See Fig. 1 & 2).

Figure #1 -This picture shows a portion of the front liner marked for trimming. The liner has been pulled out several inches to illustrate the grease pencil trim mark. This view is from the top of the liner looking toward the rearward section of the liner.



Figure #1- This picture shows a portion of the front liner marked for trimming. The liner has been pulled out several inches to illustrate the grease pencil trim mark. This view is from the top of the liner looking toward the rearward section of the liner.

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Figure #2- This picture illustrates the driver's side front liner trimmed. The photo is taken from the inside of the liner.

PHASE 2) PREPARATION OF URETHANE PART(S) FOR PAINTING (July, 05): This process is following an approved Sherwin Williams process and materials. Consult your paint supplier for equivalent materials and / or processes.

****NOTE:** If the flares are not going to be painted protect them with a good anti UV dressing such as:

303 Protectant www.303products.com

-WASH the paintable surfaces and the tape ledge w/ heavy duty detergent degreaser i.e...Castrol purple stuff, Palmolive liquid dish soap or red hot and USP90 scuff gel, using a gray scuff pad until the part is dull and then rinse thoroughly.

-SAND across item with 400 grit or finer and check for imperfections and repair as needed.

- RE-WASH with heavy detergent degreaser and USP90 scuff gel using gray scuff pad to remove any residue. Rinse thoroughly and wipe dry with a lint free towel.
- APPLY masking tape on top of the parts that have a tape ledge (consult Xenon instructions-they will indicate if the part is going to be installed utilizing adhesive tape as part of the installation process).
- WIPE item down using SC159 plastic and anti-static cleaner with lint free towel.
- SPRAY item with UPO7227 plastic adhesion promoter.
- SPRAY item with P30 sealer base coat then clear coat.
- DO NOT oven bake our parts above 100 degrees F. They should be well supported during any heat cycle to avoid the flexible part from warping.

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PHASE 3) INSTALLATION OF THE PART(S) (perform in a warm area above 70 degrees)

NOTE: Some people will prefer to black paint the part of the steel body below the mounting holes so that no body color shows where our fender flares mount. IF that is your choice be sure to mask off above the center line of the mounting holes and prepare the surface of the steel body per the paint manufacture's recommendations and then paint.

Figure #3

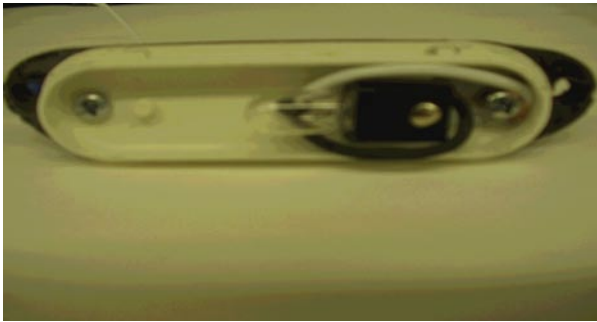


Figure #4



-LOCATE the aftermarket running lights, the wire connectors, the Xenon urethane oval shaped backer plates (has 5 holes in it), the silver Phillips screws and #8 screws from the hardware package. This will be the hardware you need for the front flares to install the side marker light that fits our part.

-REMOVE the amber lens from its base. Tread the black positive wire through the center hole of the base plate, the rubber gasket and then through the center hole of the Xenon backer plate. This is the positive wire-CUT the two factory running light wires at the base of the factory side market light assembly- there will be a black(ground) and white(positive) wire.

-OBTAIN about 8" of #14 gauge white wire. Attach a small electrical eyelet to one end. Thread the non-eyelet end of this wire through the center of the light base (white) and then through the center of the Xenon supplied urethane backer plate and gasket. This wire will be the ground wire. Using one of the silver Phillips screws supplied with the light secure the eyelet end of the ground wire through the rivet hole that attaches the steel strap to the light bulb housing and firmly screw it to the Xenon backer plate. Using the other silver Phillips screws secure the other side of the light housing to the urethane backer plate. See figure #3.

-PRESS the amber light cover into the base assembly (be sure to Silicon holes in the back of the light assembly and the edges of the amber light cover before installing-this will help to prevent any moisture from entering the interior of the light).

-ATTACH the running light assembly to the flares using 2- #8 screws going through the urethane oval plate provided that go into the boss on the back side of the part- Drill first w/ 3/32" drill bit to create a pilot hole for the screws-see Figure 5.

Figure 5.



-LOOSELY BOLT (just start the threads) the front flare at the very back bottom attachment hole. Holding the front part of the flare up about 4" and away from the body mounting surface insert the plastic support plate under the flare. It has three holes drilled into the mounting surface. These will line up with the #4, #5, and #6 hole in our flare and the body. The #1 hole is considered the very front bottom hole where our flare is bolted on the inside to the vehicle. Using the 3 supplied 1/4 x 20 x 1" hex bolts, black washer and nylon nut secure the support and flare to the body. Loosely tighten.

-BOLT the flares to the body at the other 6 points using the 1/4"-20 x 3/4" bolts, 3/4" fender washers (one on the bolt head side and one on the inside of the steel body) and the 1/4-20 nylon lock nut. Do not over-torque (10 foot/pounds). Now tighten bolts #4 through #6.

-INSTALL the front wheel lines after they have been trimmed using the three factory hex head bolts with the 1 1/4" fender washer (on the bolt except for the front one), the large black round factory nut and 2- Christmas tree fasteners (provided). At the very bottom of the wheel liner there is a bracket that is welded onto the frame and is positioned right behind the bottom of the wheel liner. Using a 7/64" drill bit drill through the liner and this bracket and secure the wheel liner with the supplied #8 x 3/4" Phillips screw.

-CONNECT the end of the black positive wire coming from the light to the white wire from the Jeep using the supplied clip. Connect the ground wire coming from the light to the black wire from the Jeep using the supplied clip. Turn the main light switch on to insure that the wiring is complete and correct.

PART NUMBER(S): 8871 & 8872 or 9101 & 9102
Front fender flares, Flat Panel Design
2007-09 Jeep JK 2 and 4 Dr.

HARDWARE PROVIDED: (4)- Christmas tree fasteners, (12)- 1/4-20x 3/4 Stainless Hex Head bolts
(6)- 1/4 x 20 x 1" Stainless Hex Head Bolts
(2)- #8 x 3/4" black Phillips screw

(40)- 3/4" fender washers, stainless (18)- 1/4-20 nylon lock nut, (2)- Xenon oval urethane side marker light backer plate, (2)- #C487CAK amber side marker light assemblies (4)- plastic wire connectors,
(6)- #8 x 3/4 non self-tapping screws, (4)- 1 1/4" fender washers, stainless
(1 pair) of 1/4" support panels, #88711 & 88712 for flares #8871 &

72

-OR-(1 pair) of 1/4" support panels, #89101 & 89102 for flares #9101 & 02
(6)- Pages of Instructions

DATE: Revised: November 14, 2008

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07-08 Jeep JK Instructions, 8871, 72,
9101, 02



Part No. 8870 -or
Part No. 9100-9110
Rear Fender Flares
Flat Panel Designs
2007-09 Jeep JK, 2/4 Dr.



PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE PROCEEDING

We have provided complete instructions and specific hardware, brackets, and fasteners. The list of these items is listed on the last page of the instructions.

--Before starting please verify that they are included with the shipment.

Also, verify that you received the correct part(s). All part numbers are embossed on the inside of the urethane component(s).

Tools & general materials required: drill, a 25/64" drill bit, 1/4" and 11mm socket, socket wrench, 15mm box wrench, Phillips screwdriver, and various hand tools.

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THERE ARE THREE PHASES TO MOST INSTALLATIONS:

- 1) Removal of factory parts and then **TEST FIT** the parts
- 2) Preparation of the parts for paint--and painting (optional)
- 3) Installation of the parts

PHASE 1) REMOVAL & TEST FIT

-REMOVAL: Remove the black plastic wheel liner and save. Remove the factory fender flares.

TEST FIT the parts to verify excellent fit

DO NOT PREP, DRILL OR PAINT THE PARTS UNTIL THIS IS DONE.

NOTE: Occasionally, our urethane parts might seem to be slightly distorted upon test fit. If so, place them in the sun drilled side down (if a warm day) or in a warm area for an hour or more and they should return to their original shape.

Set the wheel liner back onto the Jeep. Using a light colored grease pencil and using the edge of the steel wheel opening as a guide mark the wheel liner from front to back (See Figure #1). Remove the liner.



Figure #1- This photo shows the driver's rear fender liner marked for trimming. The view is of the front part of the liner.

Trim the wheel liner where marked with a razor blade knife and clean up the trimmed edges with 150 grit sandpaper.

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The picture below illustrates the driver's side rear liner trimmed. The photo is taken from the inside of the liner.



PHASE 2) PREPARATION OF URETHANE PART(S) FOR PAINTING (July, 05): This process is following an approved Sherwin Williams process and materials. Consult your paint supplier for equivalent materials and / or processes.

****NOTE:** If the flares are not going to be painted protect them with a good anti UV dressing such as:

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- WASH the paintable surfaces and the tape ledge w/ heavy duty detergent degreaser i.e...Castrol purple stuff, Palmolive liquid dish soap or red hot and USP90 scuff gel, using a gray scuff pad until the part is dull and then rinse thoroughly.
- SAND across item with 400 grit or finer and check for imperfections and repair as needed.
- RE-WASH with heavy detergent degreaser and USP90 scuff gel using gray scuff pad to remove any residue. Rinse thoroughly and wipe dry with a lint free towel.
- APPLY mashing tape on top of the parts that have a tape ledge (consult Xenon instructions-they will indicate if the part is going to be installed utilizing adhesive tape as part of the installation process).
- WIPE item down using SC159 plastic and anti-static cleaner with lint free towel.
- SPRAY item with UPO7227 plastic adhesion promoter.
- SPRAY item with P30 sealer base coat then clear coat.
- DO NOT oven bake our parts above 100 degrees F. They should be well supported during any heat cycle to avoid the flexible part from warping.

PHASE 3) INSTALLATION OF THE PART(s) (perform in a warm area above 70 degrees)

NOTE: Some people will prefer to black paint the part of the steel body below the mounting holes so that no body color shows where our fender flares mount. IF that is your choice be sure to mask off above the center line of the mounting holes and prepare the surface of the steel body per the paint manufacture's recommendations and then paint.

There are 11 points of attachment of each rear flare to the body. Except for the top 2 holes (located at approximately 12 o'clock high) carefully drill out the other existing nine body holes with a 25/64" size drill where the stock fender flare clips were attached.

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-LOCATE the expendable tool, #AA184-20, the 1/4-20x3/4" black bolts, 3/4" black fender washers and the #ALS420165 1/4-20 rivet nuts. Review the instructions supplied with the expendable tool. The expendable tool nut has a smooth end and the other end of the nut has a ring groove on it. The bolt goes through the smooth end. Thread onto the bolt the rivet nut and finger tighten.

-INSTALL the rivet nut into the 9 enlarged holes using a box wrench holding the tool nut. With an 11mm socket wrench turn the bolt clockwise until you cannot turn it anymore using moderate torque. This causes the rivet nut to compress against the inside of the body hole and provides a secure point to attach the 1/4-20 x 3/4" bolts when you install the flares (again, see the instructions that come with the expendable tool). Now remove the 1/4-20 bolt from the rivet nut. Install all 9 rivet nuts (per each side). See Figures #4 & #5.



Fig. #4- Showing the rivet and the Expendable Tool



Fig. #5- Shows the tools needed to install the 1/4-20 rivet nut

-INSTALL fender flare at the 9 points (where the rivet nut is installed) using the 1/4 x 20 x 3/4" black bolts and the fender washers except the back lower rear 3 locations. Install the 1/4 x 20 x 1" bolt, washer and nut at these points. Also install the 1/4 x 20 bolts, fender washers and nylon lock nuts at the top two holes on each rear flare.

-INSTALL the trimmed rear fender liners with the supplied (8) Christmas tree fasteners. They secure the liner at the same points as the factory does.

- PART NUMBER(S):** 8863, 8864, or 8873, 8874, or 8885, 8886, or 8893, 8894
9113, 9114
Rear fender flares, Step Down Design or Flat Panel Design
2007-09 Jeep JK 2 and 4 Dr.
- HARDWARE PROVIDED:** (16)- Christmas tree fasteners, (16)- 1/4-20x 3/4 Stainless Hex Head bolt
(6) 1/4 x 20 x 1" stainless bolts, (26)- 3/4" fender washers, black, (4)- 1/4" x 20 nylon lock nuts,
(1)- #AA184-420 expendable tool, (18)- #ALS420-165 1/4"-20 rivet nut
(4)- Pages of Instructions

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