



JK PRO SERIES FRONT FENDER FLARES

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Thank you for purchasing this ICON Vehicle Dynamics product. Please read through this entire document before proceeding with installation. If you are not confident in your mechanical skills, please seek the help of a professional to perform the installation. Check your packages immediately upon arrival to ensure that everything listed is included, and to check for damage during shipping. If anything is missing or damaged, or if you need technical assistance with any aspect of this installation, call (951) 689-ICON as soon as possible.



APPLICATION

These installation instructions apply to the following products:

- 25220 JK PS STD WIDTH FRONT FENDER KIT
- 25222 JK PS STD WIDTH ALUM FRT FENDER KIT
- 25224 JK PS NARROW ALUM FRT FENDER KIT
- 25228 JK PS NARROW FRONT FENDER KIT

COMPONENTS INCLUDED

- (1) JK PRO Series Front Fender Flare - Left
- (1) JK PRO Series Front Fender Flare - Right
- (1) Large Reinforcement Bracket - Left
- (1) Large Reinforcement Bracket - Right
- (2) Small Reinforcement Brackets
- (2) L-Shaped Brackets

HARDWARE INCLUDED

- (28) 5/16-18 x 1-1/4 Gr8 Hex Head Cap Screw
- (46) 5/16 Gr8 Flat Washer
- (20) 5/16-18 Nylon Insert Lock Nut
- (8) 5/16-18 Clip Nut
- (2) 1/4-20 X 1-1/4 Gr8 Hex Head Cap Screw
- (2) 1/4 Gr8 Flat Washer
- (2) 1/4-20 Gr8 Hex Nut
- (2) 10 MM long nut

OE HARDWARE RE-USED

- (6) 10MM bolt reused from factory flare

TECH NOTES

NOTE: These installation instructions are based on a clean installation on to a stock 2007-2018 Jeep JK Wrangler. Previously modified vehicles may require additional steps.

TOOLS REQUIRED

- 10MM wrench
- 1/2" combo wrenches (2 needed)
- 7/16" combo wrenches (2 needed)
- Door panel removal tool
- Drill motor with 1/8", 1/4" & 3/8" bits
- Touch-up paint
- Felt pen
- Cutoff wheel or shears (if reusing factory liner)

IMPORTANT NOTICES - PLEASE READ FIRST

- ✓ **READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!**
- ✓ **ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLATION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.**

INSTALLATION INSTRUCTIONS

1. Ensure the vehicle is placed on a flat, level surface with the transmission in PARK, the tires chocked, and the emergency brake ON. Wear safety glasses from this point forward.
2. Use a floor jack to lift one end of the front axle. Lower the axle onto a sturdy jack stand with the tire an inch or so off the floor. Remove the wheel and tire and set it aside.
3. Use a 10mm wrench and door panel removal tool, remove the long nut (shown in the white square in the following photo) and 6 push in retainers (shown by the white circles in the photo) while



holding the factory inner fender liner on. Save all parts for later if reusing the factory inner fender liner.



FIG. 1

4. Reach into the underside of the plastic flare, just behind the side marker lamp, and disconnect the wiring harness from the back of the lamp harness by releasing the tang and pulling back on the plug.



FIG. 2

5. Follow the wiring harness back from the marker lamp plug, to where it is secured in place with a push-in retainer. Use the door panel removal tool or a small flat screwdriver to pry out the retainer.



FIG. 3

6. Grasp the inner fender liner and pull it free from the wheel well. It may need to be twisted and pulled from different directions to work it loose. Set the inner fender liner aside.
7. Use a 10mm wrench to remove the five (5) bolts holding the plastic flare stiffener, shown circled in the following photo. Retain these bolts as they will be re-used during the installation process.



FIG. 4

8. Grasp the plastic outer flare and pull it to remove it from the vehicle. Be extremely careful as the sheet metal of the body is very thin and can be easily bent or creased.

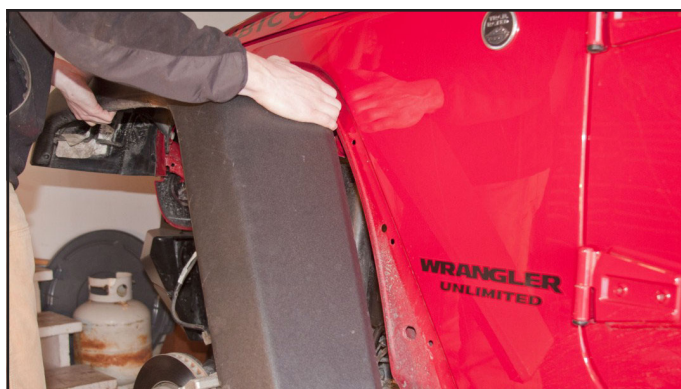


FIG. 5

9. Remove any retaining clips that did not come free with the flare. Use the door panel removal tool or a small flat screwdriver to gently pry the clip while reaching behind and pinching it from the backside. Clean any dirt and debris from the now-exposed sections of the Jeep's body panels.



FIG. 6

10. Locate the correct Large Reinforcement Bracket for whichever side of the vehicle you are working on. The item can be positively identified by test-fitting it into the underside of the Jeep's body tub arch at the top of the wheel opening, between it and the outer sheet metal as shown in fig. 8. Once the correct part has been identified, install four (4) 5/16-18 Clip Nuts into the hole locations as denoted in the photo below.



FIG. 7

11. Loosely install the Large Reinforcement bracket by sliding it up into place between the outer sheet metal and the inner body tub arch. Re-use the OE bolts that were removed in a previous step to bolt the bracket on from underneath (shown in the white squares in the following photo).



FIG. 8

12. The clip-nuts that were installed on the bracket in a previous step should be visible through the holes in the body sheet metal at the locations shown by circles in the photo above. Use a small screwdriver to adjust the position of the clip-nuts so that they are centered on the holes.
13. Lift the flare up and into place against the Jeep. Insert three (3) provided 5/16-18 x 1-1/4 Gr8 Hex Head Cap Screws with 5/16 Gr8 Flat Washers through the corresponding holes in the back of the flare, into the pre-installed clip-nuts. Leave these fasteners loose at this time.



FIG. 9

14. Note that several of the holes in the flare's mounting plate align with existing holes in the Jeep's fender sheet metal. Install a 5/16-18 x 1-1/4 Gr8 Hex Head Cap Screw with 5/16 Gr8 Flat Washer and 5/16-18 Nylon Insert Lock Nut at as many of these locations as possible. Once all are loosely threaded, snug them all up to hold the flare firmly in place during the next step.
15. Use a fine-tip felt pen mark the center of the three holes shown circled in the following photo.



FIG. 10

16. Remove the Fender Flare and the Large Reinforcement Bracket, and set them aside.
17. Drill all three of the hole locations marked in the previous steps. Begin with a 1/8" bit and



gradually step up in size to 3/8" (1/8 - 1/4 - 3/8), drilling slowly and carefully, as the sheet metal is thin and can easily be twisted or creased. Apply touch-up paint to the newly exposed metal around the edge of the hole to prevent it from rusting.

18. Install the Small Reinforcement Bracket using 5/16-18 x 1-1/4 Gr8 Hex Head Cap Screws with 5/16 Gr8 Flat Washers and 5/16-18 Nylon Insert Lock Nuts in the two outboard holes only, as marked with squares in the photo below. Note that The Small Reinforcement Bracket has a left and right side as well as a top and bottom. Make sure to orient it correctly.



FIG. 11

19. Use a fine-tip felt marker to mark the centers of the two inboard holes in the Small Reinforcement Bracket, as depicted with circles in the photo above.
20. Remove the Small Reinforcement Bracket and drill the marked holes to 3/8". Begin with a 1/8" bit and gradually step up in size to 3/8" (1/8 - 1/4 - 3/8), drilling slowly and carefully, as the sheet metal is thin and can easily be twisted or creased. It may be easiest to poke the drill through the outboard holes to drill the inboard ones, give long enough bits. Apply touch-up paint to the newly exposed metal around the edge of the hole to prevent it from rusting.
21. Use a 10mm socket to re-install the Large Reinforcement Bracket using the three (3) OE bolts retained from earlier steps.
22. Reinstall the Fender Flare using the provided 5/16-18 x 1-1/4 Gr8 Hex Head Cap Screws with 5/16 Gr8 Flat Washers and 5/16-18 Nylon Insert Lock Nuts. Do not yet fully tighten these fasteners.
23. Re-install the Small Reinforcement Bracket using the provided 5/16-18 x 1-1/4 Gr8 Hex Head Cap Screws with 5/16 Gr8 Flat Washers and 5/16-18 Nylon Insert Lock Nuts in both the outboard and

inboard bolt locations. Do not yet fully tighten these fasteners.

24. Once all of the fasteners for the Fender Flare and the Small Reinforcement Bracket are started, tighten them all.
25. In order, install the Large Bracket (green arrow) using the (3) 10mm bolts retained from Step—1d, Ultra Front Fender Flare (white arrow), and then the Small Bracket (blue arrow). Start all (14) 5/16" bolts before tightening. (pic 12)



FIG. 12

If reusing the factory inner fender liner, continue on to the next step. If using an after market inner fender liner, move to the instructions that came with them.

26. To re-use the factory inner fender liner, hold it up into place and use a fine-tip felt marker to mark along the edge for trimming. As you will not be able to mark an accurate line for your final trim, do not try to make an exact finish cut line yet. Make your initial cut an inch or so wider than where it looks like the final trim line will be.



FIG. 13

27. Use heavy duty shears to cut the inner fender liner along the line marked in the previous step. Now the inner fender liner can be held up in place and a more accurate finish cut line made. Do so, and then repeat cutting off the excess. Repeat the fit-mark-trim process until the liner fits correctly.



FIG. 14

28. Use a 10mm wrench to re-install the OE long bolt removed during the early steps.



FIG. 15

29. Use the 10mm wrench and one of the retained OE inner fender liner bolts to install the provided L-Shaped Bracket as shown in the following photo. Use a fine-tip felt marker to mark the inner fender liner at the center of the hold on the bottom side of the L-Shaped Bracket.



FIG. 16

30. Remove the inner fender liner and use a drill motor with 1/4" bit to drill a 1/4" hole at the location marked in the previous step.
31. Use two (2) 7/16" combo wrenches and a 5/16-18 x 1-1/4 Gr8 Hex Head Cap Screw with 5/16 Gr8

Flat Washer and 5/16-18 Nylon Insert Lock Nut to install the L Shaped Bracket to the inner fender liner as shown in the following photo.



FIG. 17

32. Reinstall the inner fender liner using long and short OE fender liner bolts wherever used in preceding the test-fitting steps.



FIG. 18

33. If replacement LED marker lamps have been purchased, install it according to the directions or diagrams provided with the lamp.
34. Repeat the procedures to install the Fender Flare on the opposite side of the vehicle.
35. **VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.**
- Congratulations! Your installation is complete.*
- RE-TORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.*

**LIMITED LIFETIME WARRANTY**

ICON Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. ICON Vehicle Dynamics does not warrant the product for finish, alterations, modifications and/or installation contrary to ICON Vehicle Dynamics instructions. ICON Vehicle Dynamics products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

ICON Vehicle Dynamics' obligation under this warranty is limited to the repair or replacement, at ICON Vehicle Dynamics' discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty. Items that are subject to wear are not considered defective when worn and are not covered.

ICON Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty.

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7929 Lincoln Ave. Riverside, CA 92504

Phone: 951.689.ICON Fax: 951.689.1016

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