



JK COMP SERIES FRONT BUMPERS

DOCUMENT: INST_25202_REVA • UPDATED: AUG 2020

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:

- 25202 07-18 JK CS FRONT BUMPER W/ TABS
- 25203 07-18 JK CS FRONT BUMPER W/ BAR
- 25204 07-18 JK CS FRONT BUMPER W/ BAR & TABS (Shown Above)
- 25205 07-18 JK CS FRONT BUMPER W/ STINGER & TABS

COMPONENTS INCLUDED

- (1) COMP Series Front Bumper

HARDWARE INCLUDED

- (4) 1/2-13 X 5-1/2 Gr8 Hex Head Cap Screw
- (4) 1/2-13 Gr8 Nylon Insert Lock Nut
- (4) 1/2 Gr8 Flat Washer

TECH NOTES

NOTE: These installation instructions are based on a clean installation on to a stock 2007-2019 Jeep JK Wrangler. Previously modified vehicles may require additional steps.

2012-19 Jeep Wrangler JK's will require vacuum pump relocation prior to installation of this bumper.

TOOLS REQUIRED

- Ratchet with 6" socket extension, 19mm deep socket and 3/4" deep socket
- 3/4" Wrench
- Torque wrench (ft./lbs.)
- 7/32" hex key
- Dead blow hammer or rubber mallet
- Phillips & flat head screwdrivers
- Metal Cutting Tool (plasma cutter, reciprocating saw or 4" angle grinder with cut off wheel)
- 4" Angle grinder with grinding wheel or flap wheel
- Drill motor with 1/2" metal cutting drill bit
- Marking Punch and hammer
- Measuring tape and marker
- Safety equipment: gloves and eye protection

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. Open the hood and use a 10mm wrench to disconnect the negative battery terminal. Wrap the terminal in a shop towel or glove so that it doesn't inadvertently come into contact with the battery terminal or any other ground source.
3. Remove the plastic lower air dam. Use a push-in retainer removal tool to pop out the plastic push-in retainers along the front edge and also



underneath/behind the air dam where it attaches to the crash bar. If you do not have a push-in retainer tool, a flat-edge screwdriver or small pry-bar may be used.

4. If your Jeep is equipped with factory fog lamps, disconnect them from the vehicle wiring harness. The pigtail harness on each lamp may be disconnected from the vehicle wiring harness by reaching behind the bumper. A small flat head screwdriver may be useful to release the tangs on the plug.
5. Remove any remaining accessories from the front bumper such as winch or other lights.
6. Remove the eight (8) nuts that fasten the bumper to the frame using a 19mm socket with 6" extension and ratchet. There are two of these nuts on the inner side, and two on the outer side, of each frame rail where it joins the bumper.
7. With the help of a friend, carefully slide the bumper off of the frame rails and set it aside.
8. Remove the plastic top bumper cover. You may be able to remove the two plastic screws with a Phillips screwdriver. But it is likely they're "frozen" in place and will have to be pried up with the push-in retainer removal tool.
9. (Optional - This step is not necessary but may make the following steps easier) Remove the grille by opening the hood and removing the six Phillips head screws along the top of the grille. Reach behind the grille and disconnect the headlight and turn signal lamp sockets. Remove the grille while carefully disengaging the snaps along the bottom edge of the grille. Set the grille aside.
10. Measure 2" back, along the frame rail, from the front edge of the bumper mount bracket on the end of the frame horn. Use a straight edge to mark a perpendicular cut line at this 2" measurement.

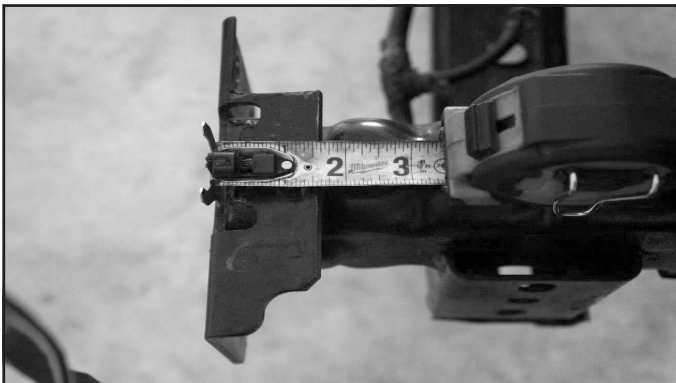


FIG. 1

11. Use a plasma cutter, reciprocating saw, cutoff wheel or the cutting device of your choice to remove the frame horns at the 2" cut marks.



FIG. 2

12. Remove the front crossmember (don't worry, as it's only a thin sheet metal mount for the Jeep's plastic lower valance, which is now gone). Use a plasma cutter, reciprocating saw, cutoff wheel or the cutting device of your choice. Remove the vertical brackets at each end of the crossmember that attach it to each frame rail. Cut these brackets off as close as possible while being careful not to cut into the frame rail itself.



FIG. 3

13. Use a grinder to de-burr the cut edges and smooth down the remnants of the crossmember brackets. Make sure the frame and cuts are smooth as the bumper fits on to the frame rails with close tolerances.
14. Apply primer and paint to the bare metal in the areas that were cut and grinded, including the cut edges of the frame rails. Properly coating these areas at this time will help to prevent rust in the future.
15. If the Jeep is a 2012 or later model with the vacuum canister located on the inner frame rail, relocate it using any of the relocation kits or



methods that may be found by a quick online search.

16. Use the drill motor with 1/2" bit to drill out the two holes that are on the tops of the frame rails close to the grille, as shown in Figure 4.



FIG. 4

17. Once these are drilled, slide bumper over the frame rails and insert one of the 1/2-13 X 5-1/2" Gr8 Hex Head Cap Screws into each of the rearward mounting holes on the bumper, through the holes you just drilled out to 1/2". The close tolerances of the bumper may require some gentle tapping with a soft dead blow hammer to tap the bumper in place. Be careful not to mar the bumper's powder coat finish.
18. Leaving the bolts in the top two holes to keep the bumper located in place and using the remaining bolt holes in the bumper as a template, use a hammer with center-punch or fine-tip felt marker to mark the rest of the holes on the top and bottom of the bumper.
19. Remove the bumper, then drill the remaining holes through the top and bottom of each frame rail with the drill motor and 1/2" drill bit.

NOTE: You can leave the bumper on to drill the holes. But you risk damaging paint or coating on bumper.

20. Place the bumper back on to the frame. Insert the four (4) 1/2-13 X 5-1/2 Gr8 Hex Head Cap Screws through the bumper and frame rails. Install the 1/2" Flat Washers and 1/2-13 Gr8 Nylon Insert Lock Nuts on to the cap screws. Snug these with the 3/4" deep socket, extension and ratchet. Torque these nuts to 70 ft.-lbs.
21. If you installed the OE fog lamps into the bumper, plug the harness connectors back into lamps. Take care to safely secure the wiring harness.
22. If running a winch, install it along with your fairlead mount on to the bumper, using the hardware and procedures recommended for your

winch. Route the winch power cables and make electrical connections according to the winch manufacturer's recommendations.

23. If the Jeep's grille was removed at the beginning of the installation, re-install it by reversing the procedure.
24. Re-connect the negative battery cable and use the 10mm wrench to tighten the terminal.
25. **VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.**

Congratulations! Your installation is complete.

RETORQUE 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.

This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.

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