

LOD OFFROAD

Jeep JK Signature Series Shorty Front Bumper **Installation Instructions**

1. Begin the installation of your new LoD Signature Series Shorty Front Bumper by unscrewing the 4 plastic screws securing the factory air dam to the bottom of your front bumper. A phillips screwdriver will be needed for this job.



2. Once unscrewed, you should be able to pull out both the plastic screw and insert with little effort but if you find that your screws are just spinning (as several of mine did), you will need to wedge a flathead screwdriver or small pry bar between your JK's plastic bumper and air dam to help you force it out as shown in this photo.



3. Now, climb under the front of your Jeep JK Wrangler and using a phillips screwdriver, remove the remaining 2 plastic screws securing the air dam to the lower cross member. As before, if these screws just spin in place, use a flathead screwdriver or small pry bar to help you force them out.



4. If your Jeep JK Wrangler came equipped with factory fog lights, climb under the front of your Jeep, look up behind the front bumper, locate the wiring harness plug, lift up the clip and then pull it off as shown in this photo.



5. Using a pair of needle nose pliers, pry off all the fog light wiring harness connectors on the back of your Jeep JK Wrangler's front bumper.



6. Using an 18mm socket, remove the 4 bumper mounting nuts (2 on each side) located next to the inside of your Jeep JK Wrangler's frame rails and fog light holes.



7. Using an 18mm socket, remove the 4 bumper mounting nuts (2 on each side) located next to the outside of your Jeep JK Wrangler's frame rails.



8. Remove the backing plates off the bumper mounting studs as shown in this photo.



9. Carefully pull off your Jeep JK Wrangler's front bumper off the frame rails. If your JK came equipped with factory tow hooks, grab and use both of them to carefully pull your front bumper off the frame rails.



10. Using a phillips screwdriver, remove the 2 plastic screws securing the top plastic cover in place.



11. Again, if you find these screws to just spin in place, use a flathead screwdriver or small pry bar to help you lift up the cover off the frame rail and force the screw out.



12. Again, if your Jeep JK Wrangler came equipped with factory fog lights, use a phillips screwdriver to remove the 4 screws securing them to the bumper. Then, pull the fog lights out and set them aside until you are ready to install them in your new LoD Signature Series JK Front Shorty Winch Bumper.

Note: *If installing on 2012 or newer Wrangler Refer to end of Instructions Step 1a for Relocation of Vacuum Switch.*



13. Place the LoD Signature Series winch plate in between the frame rails of your Jeep JK Wrangler and loosely secure it in place using the flagged nut and bolt and washer provided as shown in this pic.



14. Slide one of the steel spacers in between the LoD Signature Series winch plate and frame rail bumper mount on your Jeep JK Wrangler. Then, insert the long bolts and washers provided with the bumper through the mounting holes and spacer as shown in this pic.



15. Repeat step #14 until all the steel spacers are installed in between the LoD Signature Series winch plate and frame rail bumper mount and that all the bolts are sticking through them as shown in this pic.



16. With the help of a friend, carefully place your new LoD Signature Series JK Front Shorty Winch Bumper on to the frame rails of your Jeep JK Wrangler and slide the mounting holes through the bolts you just installed. Reaching from the back, loosely secure it in place using the nuts provided.



17. Using a 3/4" socket and wrench, tighten up the (4) mounting bolts and nuts on the inside of your Jeep JK Wrangler's frame rails as shown in this pic.



18. Accessing the bolts and nuts through the fog light holes on your LoD Signature Series JK Front Shorty Winch Bumper, tighten up the (4) mounting bolts and nuts located on the outside of your Jeep JK Wrangler's frame rails using a 3/4" socket and wrench.



19. Using a 3/4" socket, tighten up the LoD Signature Series winch plate frame rail mounts as shown in this pic.



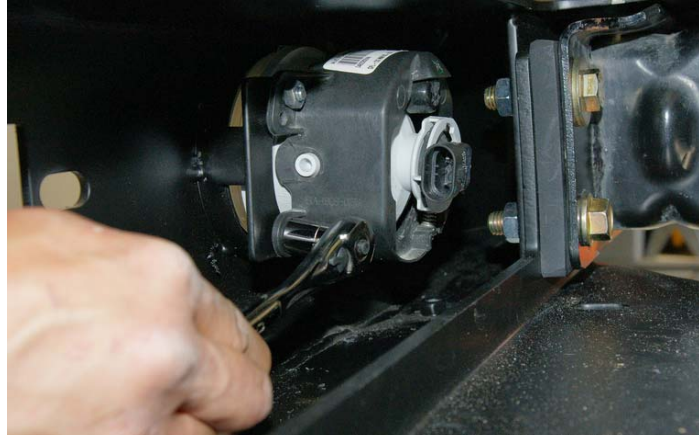
20. Drill out the 4 mounting holes on each of your your Jeep JK Wrangler's fog lights using a 1/4" drill bit.



21. Make sure that the adjustment screw is pointing down and then install your Jeep JK Wrangler factory fog lights to the studs attached to the back side of your LoD Signature Series JK Front Winch Bumper.



22. Secure your Jeep JK Wrangler factory fog lights on to your LoD Signature Series JK Front Shorty Winch Bumper using the nuts provided. You will need a 3/8" socket for this job.



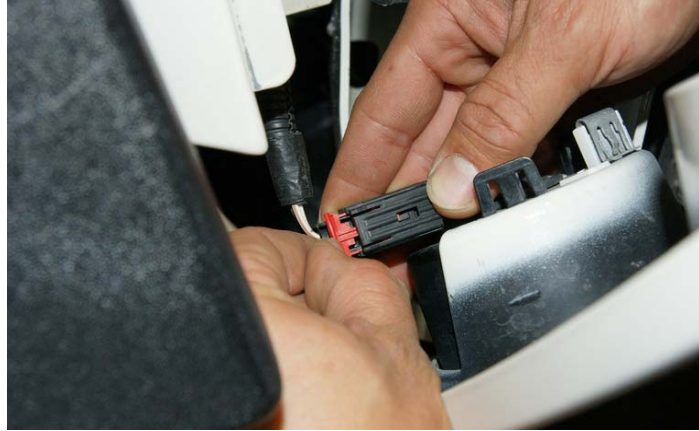
23. Using a phillips screwdriver, loosen the plastic retaining screws securing the top of your grille to your Jeep JK Wrangler.



24. Once loose, the entire plastic screw and expansion sleeve should pull up and out of their mounting holes.



25. Lean your Jeep JK Wrangler's grille forward a bit to gain access to the indicator lights. Then, take the wiring harness plug and pull the red locking tab back.



26. Squeeze the wiring harness plug and pull it out of your Jeep JK Wrangler's indicator light socket. You can now pull the grille off and set it aside for now.



27. Plug your Jeep JK Wrangler's factory wiring harness into the fog lights.



28. If you are installing a winch, you will need to install your fairlead now. Most fairleads have a bolt and nut that requires a 5/8" socket and wrench to install.



29. Carefully place your winch on top of the LoD Signature Series winch plate and then reinstall your Jeep JK Wrangler's grille as shown in this pic.



30. Using the bolts and washers provided, secure your winch to the bottom of the LoD Signature Series winch plate. You will need a 9/16" socket for this job.



31. Using a phillips screwdriver, secure the top of the grille to your Jeep JK Wrangler by inserting and screwing in the plastic retaining screws.



32. Hold up the LoD Signature Series skid plate to the bottom of the bumper and secure it in place using the bolts and washers provided. You will need a 9/16" socket for this job.



33. Secure the LoD Signature Series skid plate to the lower cross member of your Jeep JK Wrangler using the bolts and washers provided. You will need a 9/16" socket and wrench for this job.



34. This completes the Installation of the LoD Signature Series Shorty Front Bumper.



Jeep JK 2012 Relocation Bracket Installation Instructions

1a. The 2012 Jeep Wrangler has a vacuum switch located within the frame rails. This vacuum switch will need to be relocated to allow room for the LoD winch plate.



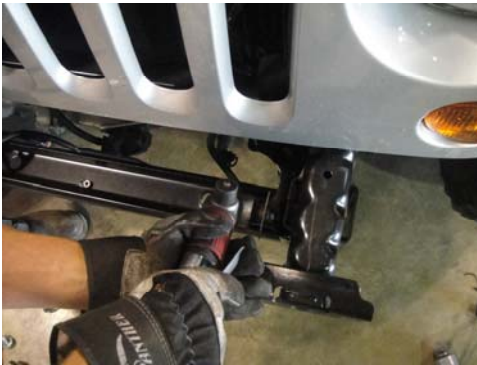
2a. Begin by removing the green clip that secures the vacuum line to the switch. Simply slide the clip down and pull the line off the switch.



3a. Remove the two nuts that secure the switch. You can leave the switch wiring connected. Move the switch away from the mounting tab with studs.



4a. With the switch out of the way cut the tab off that is closest to the front of the Jeep as shown in the photo.



5a. Place the LoD relocation bracket up under the cross member as shown in the pic. Bolt the bracket on using the bolts provided with the kit. The bracket will mount directly up to existing holes so there is no drilling required.



6a. With the bracket installed bolt the vacuum switch to the bracket as shown. The switch will be repositioned on its side in the new bracket.



7a. Bolt the switch into place on the bracket.



8a. Connect the vacuum lines that were removed earlier.



9a. When finished the vacuum switch should look like the pic to the right.

Note: Return to Step 13 of Bumper Installation.

