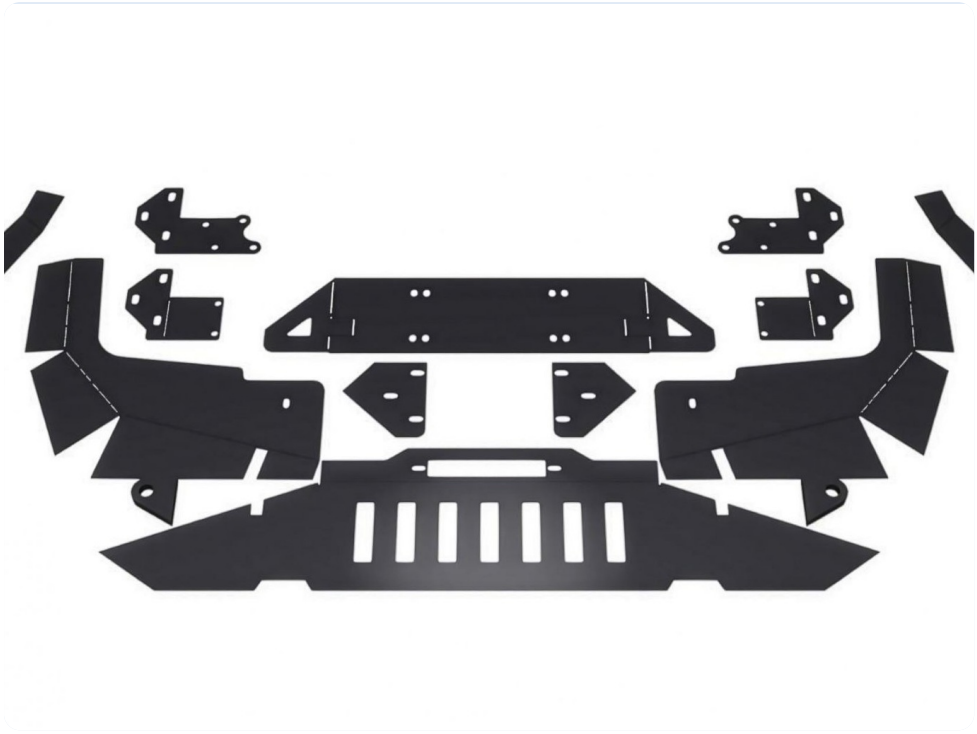
Step 1 ZJ DIY Front Winch Bumper Install Instructions





Step by step on how to install the ZJ DIY Front Winch Bumper. Please read all steps carefully before starting the install.

Installation Video: https://www.youtube.com/watch?v=De6yu8Z_ltI

Questions or Support:
Phone: 269-353-1184
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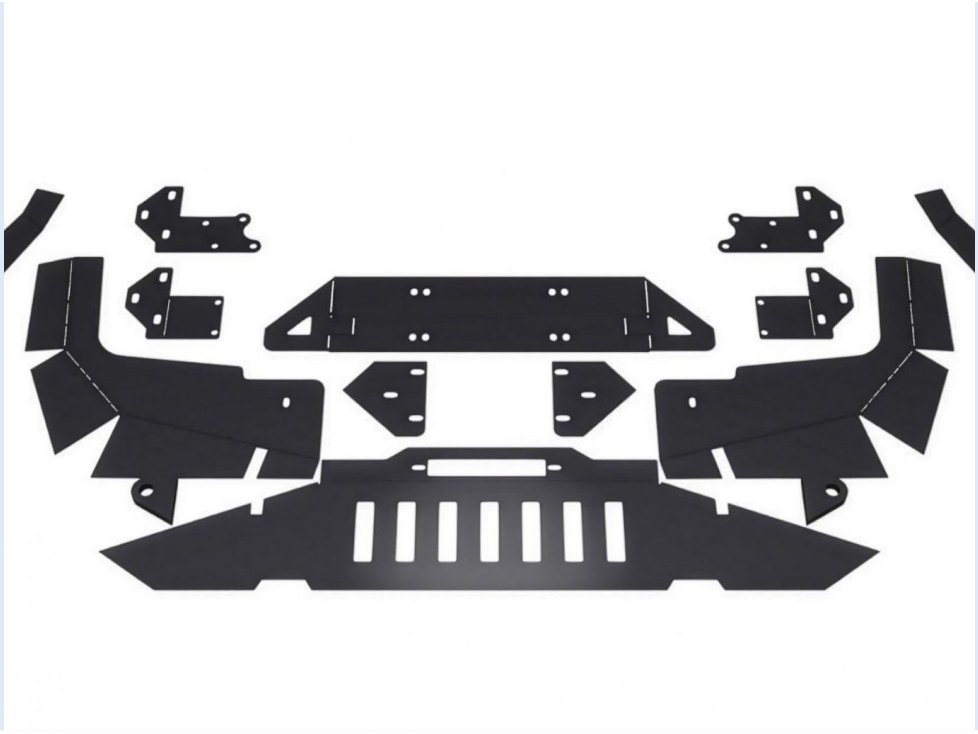
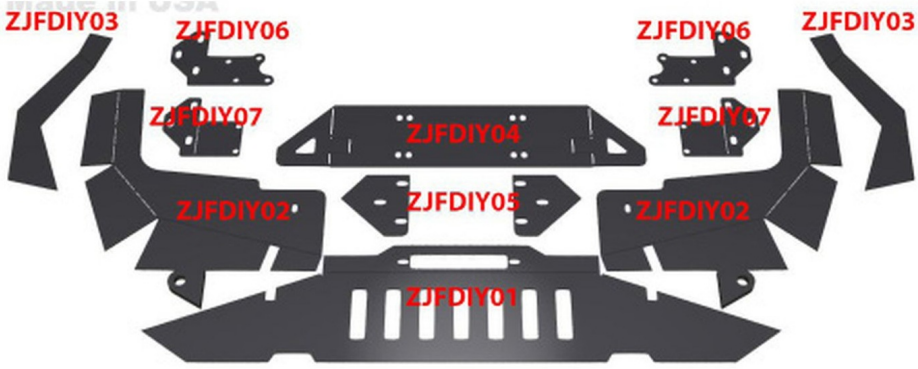
Step 2 Included Parts



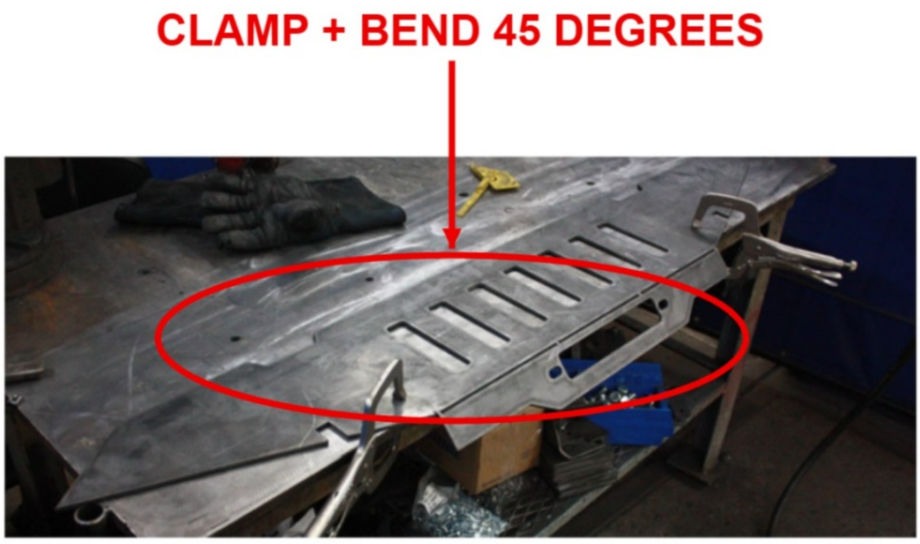
Check that you have all of the parts shown before starting.

Step 3 Tools and Hardware Needed



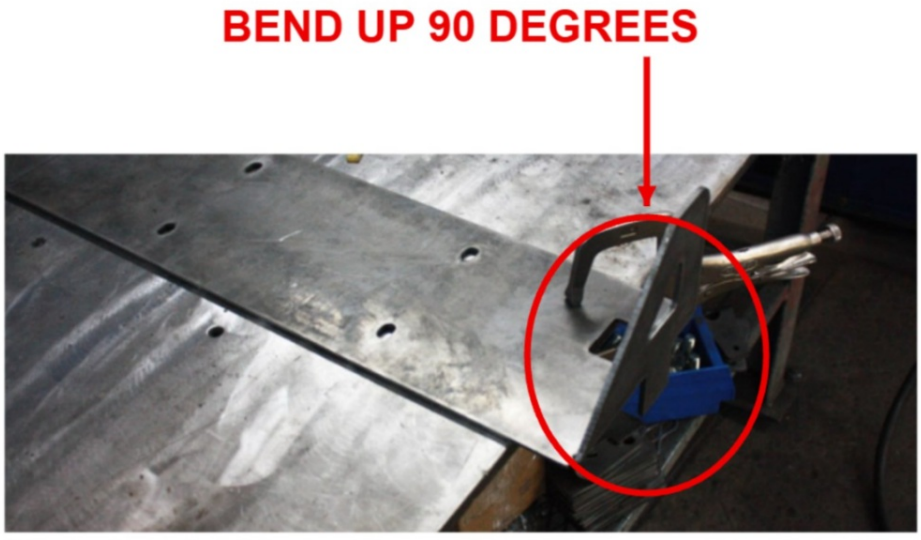
Grand Cherokee ZJ DIY front bumper. Tools: welder, 2 adjustable wrenches, angle finder, clamps and two 13 mm sockets or wrenches. Hardware you supply: 18 of 7/16 x 1 hex bolts, 8 raw 7/16 nuts and 10 non-raw 7/16 nuts. Check your parts against this layout before you start.

Step 4 Bend Center Section



Bend the Bumper Face / Center Section (01) first. It has 1 bend. Clamp it to a table and bend down the first 45 degree angle. It does not matter which side becomes the front face.

Step 5 Bend Winch Plate



Set the Center Section aside and bend the Winch Plate (04). Clamp it to a table and bend up the first 90 degree angle, then re-clamp and bend the other side to 90 degrees.

Step 6 Bend Top Wings



Bend the two Top Wings (02), a right and a left that end up as opposites. Clamp each wing to a table and bend all three sections to 90 degrees. Then bend the Lower Wing Caps (03), also a right and a left, with one bend to 80 degrees.

Step 7 Tack Parts



With all parts bent, start tacking. Lay the Top Wing (02) face down and tack weld the Lower Wing Cap (03) onto it.

Step 8 Weld Bumper



With the bumper tacked together, fully weld it, starting with the back side. This shows the Center Section (01) with both wings tack welded in place.

Step 9 Install Winch Plate



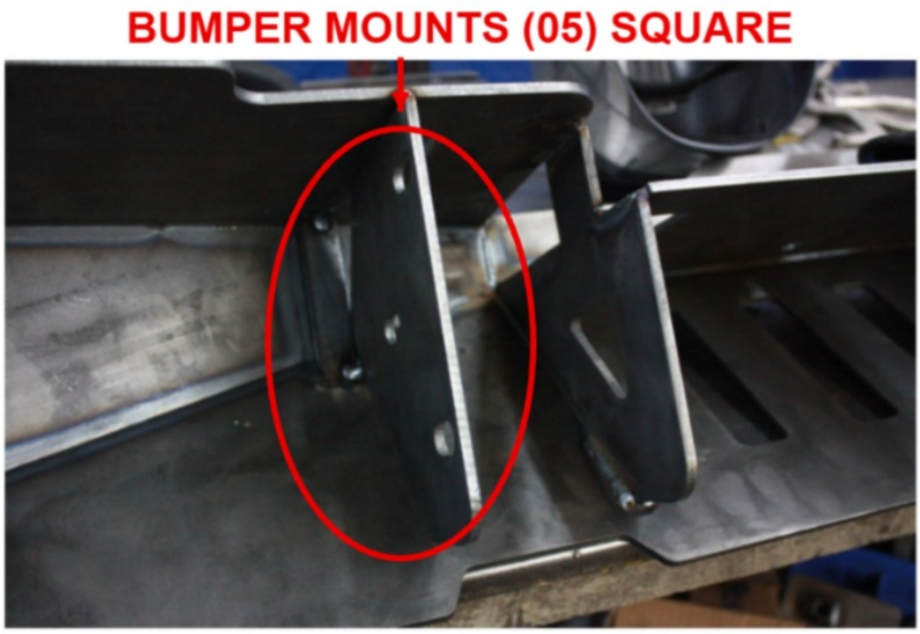
With the bumper still face down on the table, insert the Winch Plate (04), check the fit and tack it in. Then fully weld and grind the whole bumper.

Step 10 Install D-Ring Tabs



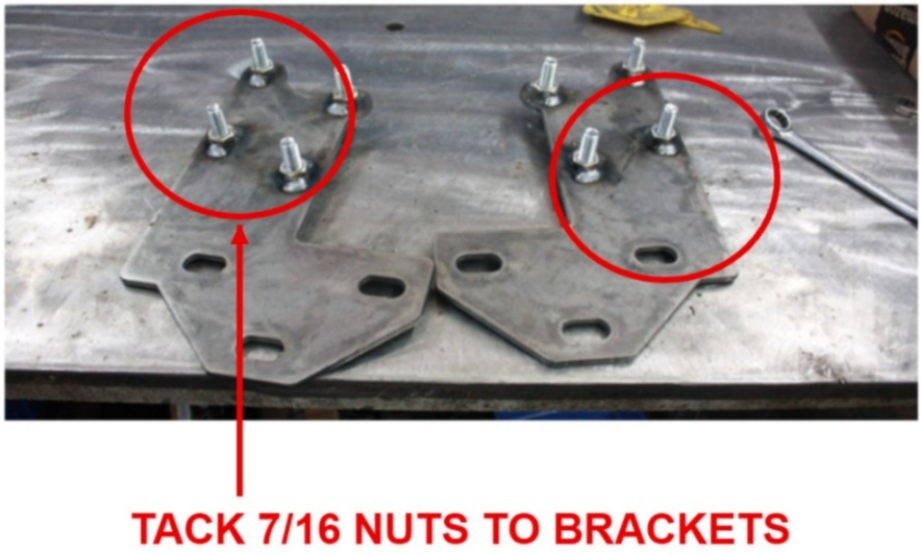
After welding and grinding, install the D-ring Tabs (DRT) by tacking them into place.

Step 11 Tack Bumper Mounts



Tack weld in the Bumper Mounts (05). The mounting bracket rests against the inside of the D-ring Tab. Make sure they are square, with an inside measurement of 32.5 inches driver side to passenger side. Leave the tabs and mounts tacked until after a test fit on the Jeep.

Step 12 Make Frame Mounts



Make the Frame Mounts (06). Assemble the 7/16 hardware and tack weld the nuts to the brackets as pictured. You need a right and a left that end up as opposites.

Step 13 Make Bulkhead Mounts



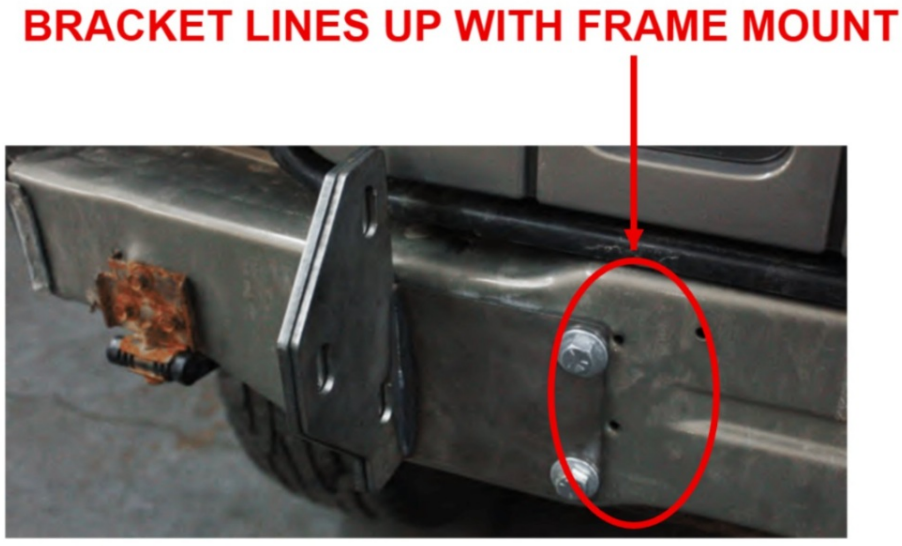
Make the Bulkhead Mounts (07). Each gets one 90 degree bend and then a weld, again a right and a left. Open up the front oval holes in the factory bulkhead to install the Frame Mounts, test fit, and trim more where needed.

Step 14 Install Bulkhead Mounts



Bolt the Bulkhead Mounts into place and drill the holes needed to mount them to the front bulkhead assembly. At the ends of the factory bulkhead, bend the lower pinch seam underneath and the front seam over to the front, as shown with the red lines.

Step 15 Test Fit



With the Frame Mounts installed and the seams modified, test fit the bumper. Once the mounting brackets line up with the frame mounts, finish welding the D-ring Tabs and Bumper Mounts into place.

Step 16 Installation Complete



Once the bumper is complete, test fit it before painting, since some adjustments may be needed. If you want to mount a hoop, now is the time to weld it on. Proper welding is your responsibility, so have an experienced welder do the work.

Confirm all hardware is tightened. Congrats! Your installation of the ZJ DIY Front Winch Bumper is now complete. Enjoy!