

GM Kingpin Dana 60 Double Ended Ram Mount Installation Instructions

Thank you for purchasing our GM Dana 60 Double Ended Ram Mount!

Installation notes:

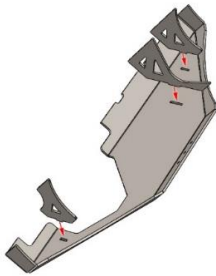
- This kit is designed to be used with our Pro-Series GM Dana 60 Axle Truss. These instructions assume that the truss has already been installed with the face of the truss parallel to the differential cover mounting surface.
- This kit is designed to be used with a PSC Motorsports 2.5"x8" double ended cylinder (SCX2212 or SC2212). Other manufactures cylinders may be compatible but have not been tested.
- This kit requires high steer arms be installed on the axle.

Tools Required:

- Welding machine with the capability to weld at least 3/8" thick steel
- Square
- 9/16" Socket and ratchet
- 9/16" Open end wrench
- 7/16" Open end wrench
- 5/32" Hex wrench

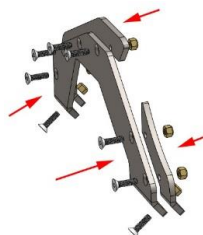
Step 1:

Install the three truss tie in brackets on the skid plate. Place the brackets in the appropriate slots on the skid. Using a square weld the brackets perpendicular to the bottom of the skid plate.



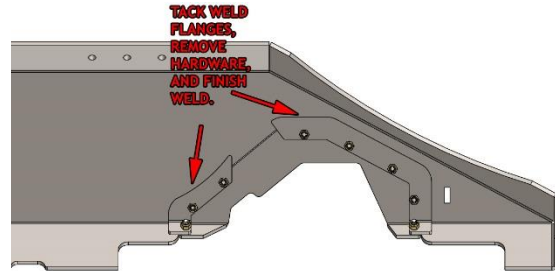
Step 2:

Assemble the differential access skid and flanges. Using the provided 1/4" bolts and nuts bolt the differential access skid and flanges together. Tighten the hardware with a 7/16" open end wrench and 5/32" hex wrench.



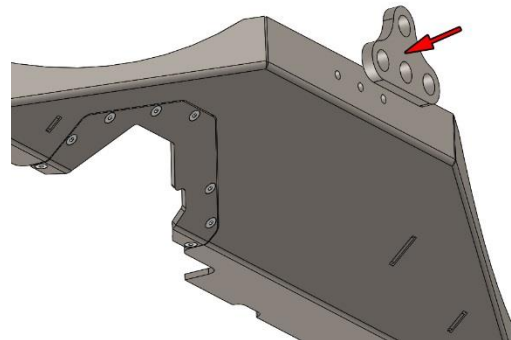
Step 3:

Place the differential access skid assembly on the main skid in the cut-out location. Tack weld the flanges to the main skid. After tack welds have been placed to hold the flanges remove all hardware and weld the flanges into place.



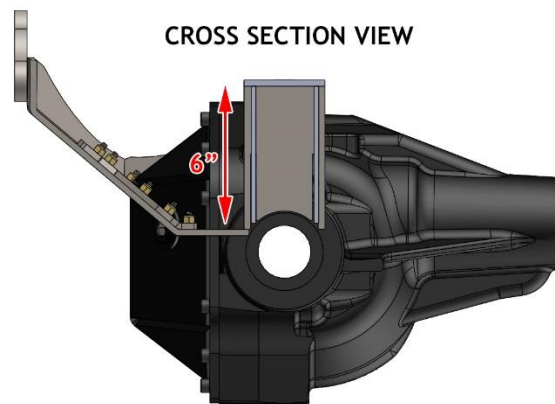
Step 4:

Place the winch pull down tab on the front of the skid. Take care to center the holes in the skid with the holes in the tab, once positioned properly weld in place.



Step 5:

Place the steering mount assembly on the axle. The assembly should fit inside of the truss sides and should be 6" from the top of the truss to the bottom inside surface of the skid. Roll the steering mount assembly back until the three tie in brackets contact the face of the truss. Weld the assembly to the truss and the axle.



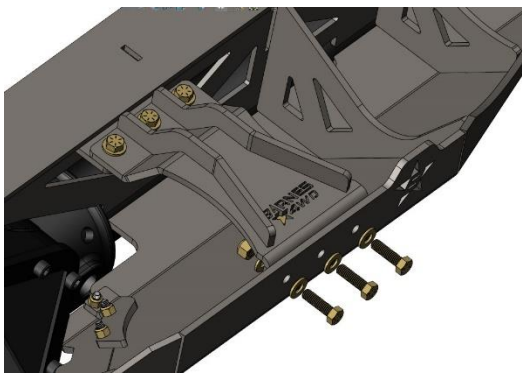
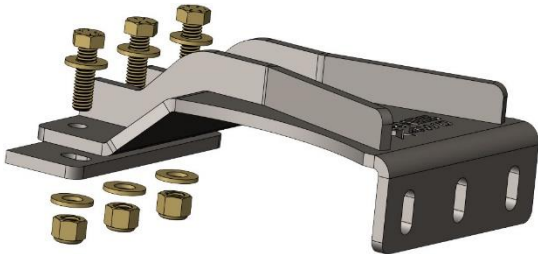
Step 6:

Using the etch marks on the top tie in bracket, weld the top braces on to the top tie in bracket. We recommend using a stitching method to weld these pieces together, alternating sides. The top braces will sit on the inside of the etch marks.



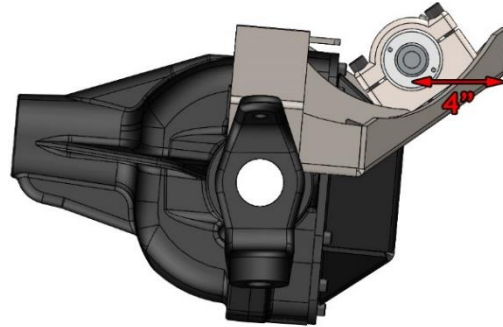
Step 7:

Using the 9/16" socket and 9/16" wrench, attach the provided tab to the top tie in bracket, and bolt the assembly to the steering cylinder mount. Weld the tab to the underside of the of the truss top.



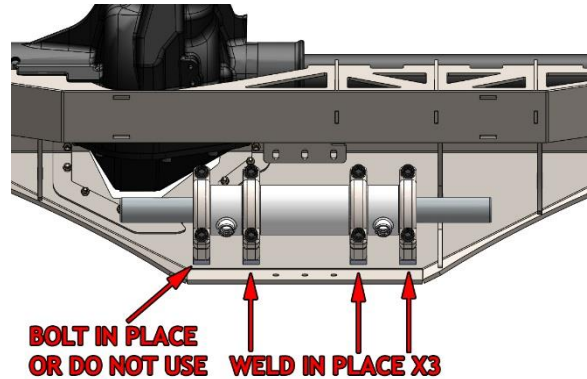
Step 8:

It is now time to mount the steering cylinder. Remove the 6 bolts and the bridge plate installed in the last step. Place the steering cylinder on the skid and center left to right. In most cases the cylinder center line will need to be located 4" from the front face of the skid. However this can vary depending on the cylinder and high steer arms that are used.



Step 9:

This step is dependent on how many clamps your hydraulic cylinder will use. If using only two clamps place both clamps towards the inside of the cylinder and weld the mounting feet into place. If your cylinder uses 4 clamps only three mounting feet will need to be welded into place. The clamp closest to the differential cover will either not be used, or we recommend drilling two holes in the skid and thru bolting the mounting base and clamp to the skid, with a nut on top of the clamp. This is to allow access, if the carrier or ring gear needs to be removed after installation of the cylinder mount.



Step 10:

Install the top tie in brace with the provided hardware. Tighten all hardware.

Step 11:

Install the differential access skid with the provided hardware. Tighten all hardware.

Congratulations you have completed the installation of your GM double ended steering ram mount!

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