TOMS OFFROAD

Part Number: 6990

Difficulty: Medium

Mounting Brackets For Extended Curved Radius Arms

TOOLS REQUIRED	PARTS INCLUDED
-Grinder w/Cut Off Wheels and Flapper Disk -Welder -Jack & Jack Stands -General Hand Tools	-Driver & Passenger Mounting Brackets

INSTRUCTIONS

NOTES: Please follow all safety guidelines While cutting and welding these components. Wear protective gear, make sure you have a safe working environment. Disconnect battery, have a fire extinguisher close by. Inspect new parts before beginning, in order to make sure you have all necessary components to complete the task.

1. Place vehicle on level ground, lift and support the front of the vehicle by the frame. Remove front wheels, disconnect the track bar at the frame. Support the front differential before removing the shocks, coil cups and disconnecting the radius arms.

2. Make sure the frame is clear of wiring or fuel lines or other obstructions before cutting the stock radius arm brackets off. Smooth down any jagged edges around the area that you were cutting, and coat with a protective layer of paint.

3. Locate the area the new brackets will be welded on (Approximately 10.5" rearward from the stock brackets) and prep the area for welding. Clean off paint or rust where you will be welding, and make sure there are no items that will get damaged while welding. Fig 3.

4. Identify the driver and passenger side brackets. Choose one and make sure it is oriented correctly. The large welded washer faces forward, dowel pin towards the rear, and the hole for the radius arm angles outward. Fig 4.

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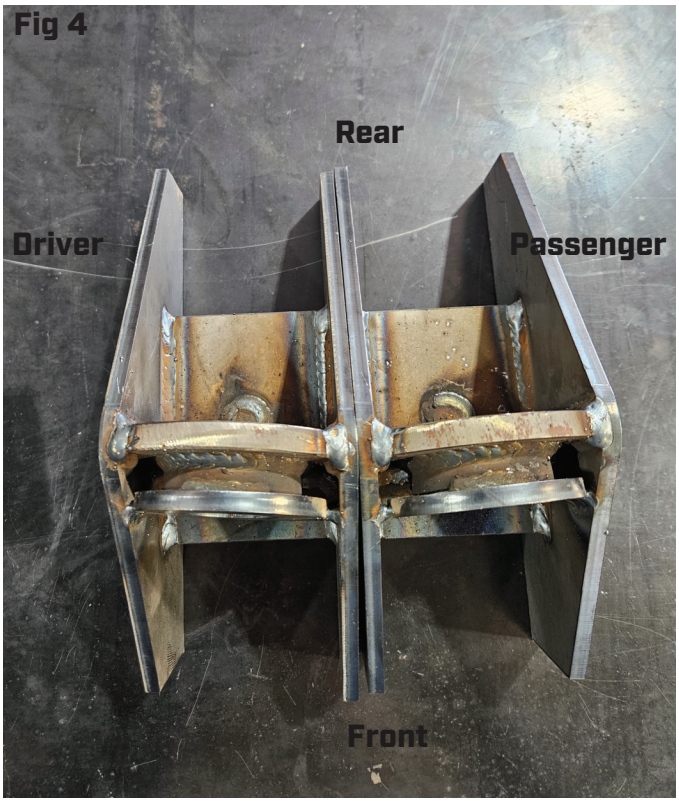
5. The new radius arm bracket has a dowel pin that lines up with a hole in the frame. Fig 5. Slip the bracket over the frame rail, and secure it into position on the frame hole. Make sure the bracket is fully seated before welding it into place. You may need to grind the frame of some obstruction in order to get the bracket to seat flat on the frame. Double check that the correct bracket is on correctly before welding in place.

6. Paint or coat the new brackets as necessary.

7. Install the extended radius arms with the relief bend towards the tire. This allows more clearance for wider tires and more turning radius. Make sure to clean the mounting surfaces and lubricate the new bushings with the appropriate grease before install. Make sure the bushings are oriented correctly, and the proper degree is used for the suspension height you have. The extended arms have approximately 7º of caster built into them, so take this into consideration when choosing a bushing. We have found that 4-5 degrees of caster helps a Bronco handle well.

8. Reinstall the coils with the coil cups, make sure bolts are torqued properly. Reinstall shocks, and track bar. Reinstall wheels and set the vehicle back on the ground. Check the arms and reinstalled components for proper movement, and ensure the fuel and electrical components are secured back in a safe location.





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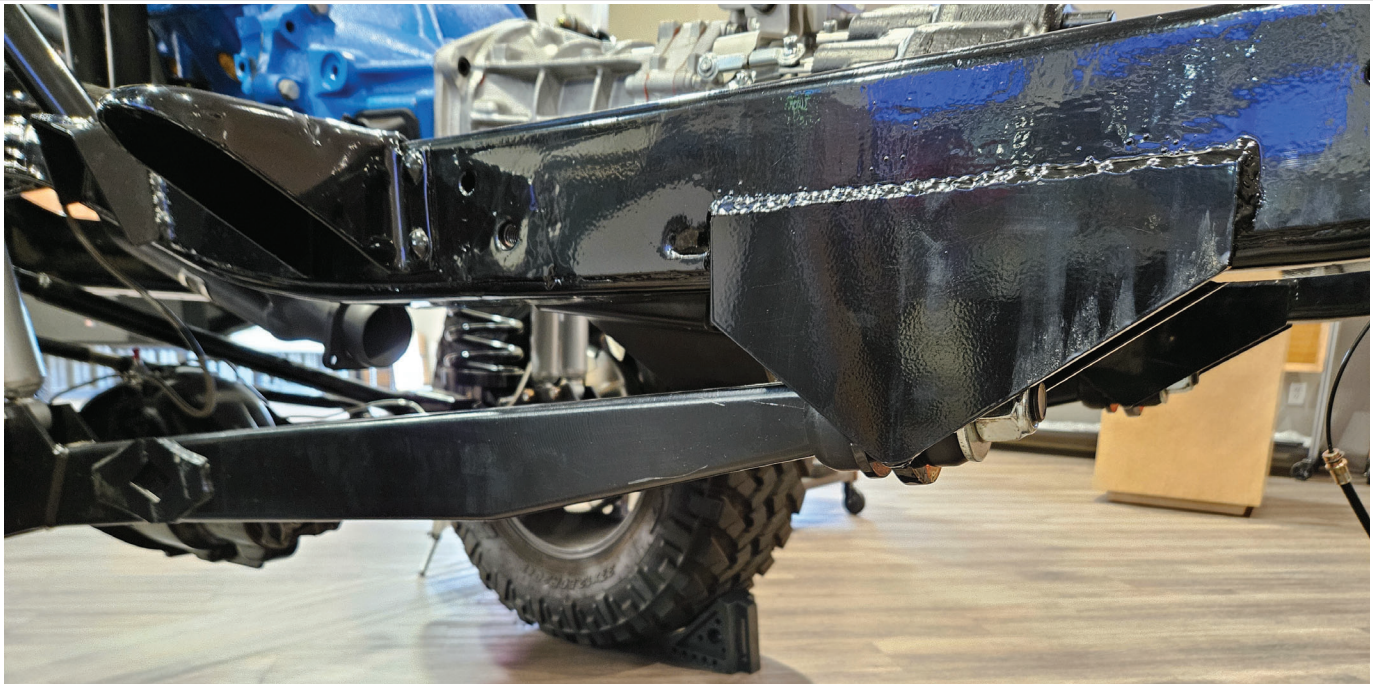



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