

TBA Machine
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Demon, Challenger, Charger, Differential Brace Instructions

Tools Required

16mm socket and ratchet
12mm hex/allen socket for ratchet
13mm socket and ratchet
Vise grips or pliers
Torque wrench with 90# capacity
8mm x 1.25 tap (in some cases)

1. Verify that you have threaded inserts in the cross member. If you do not you will need to use the provided nuts welded to the 3/16 wire. **If you do not have threaded inserts, skip to line 4.**
2. Install the provided bolts in the cross member and make sure they turn in free by hand. If they do not you will need to tap them with an 8mm x 1.25 tap.
3. Remove the 8mm bolts.
4. Remove the 2-14mm bolts from the left and right side of the differential with your 16mm socket and discard.
5. Install the bolt through the brace on the driver side, apply some Loctite and start it into the housing. Tighten this and all hardware finger tight leaving it loose until all of the hardware is started into place.
6. Place the rubber on top of the bracket while aligning the holes for the hardware and swing the bracket counterclockwise until the passenger side bolt lines up to the hole. Now, apply some Loctite to the bolt and start it leaving it finger tight only.
7. **(2015s only)** Apply Loctite to the 2- 8mm bolts that are provided and install them through the rubber and in to the threaded holes that are in your chassis and start them by hand a minimum of 2 turns
(2016s and up) Install the 2 provided 8mm nuts with the tabs welded on them and align them with the holes in the cross member. Holding these tabs with a pair of vise grips will assist you in starting the bolts
Apply Loctite to the 2- 8mm bolts that are provided and install them through the rubber and in to the threaded holes that are in your chassis and start them by hand a minimum of 2 turns. (This sometimes take a little patience to get the alignment just right, use the vise grips on the wire and it will make it easier to align and start).
8. Torque your 14mm bolts in the differential to 90ft lbs. of torque.
9. Torque the 8mm bolts until the rubber is compressed 1 to 2mm.

If you have any problems at all, please call us directly at 804-928-1839.