2015+ S550 Mustang Rear IRS Sub Frame Brace

Instructions for 555-5754

Tools Needed:

1. 3/8" drive ratchet
2. 13mm socket
3. 15mm socket
4. 16mm socket
5. 21mm socket
6. 18mm wrench

Installation

1. Lift and support the car, by the chassis on a vehicle lift, or on jack stands. Do not place the jack stands underneath the rear sub frame.
2. Once the car is supported, place a jack underneath the front of the sub frame to support it independently from the car.
3. Locate the bolts that are installed in the frame rail along each side. Remove the rear bolt and discard. See Figure 1
4. Insert the threaded plate into the back side of the bracket that toe link attaches to into the rear sub frame. Center the threaded hole over the hole in the sub frame. See Figure 2
5. Place the Steeda IRS sub frame brace into place. The braces can only be installed one way.
6. Using the provided hardware, start both 10mm x 35mm long flanged hex head bolts in the front mounting location of the IRS brace using the supplied washers. Leave these bolts loose. Figure 3.
7. Loosely start the 10mm x 50mm long flanged hex head bolt into the front sub frame support bracket for the rear subframe. This bolt will be threaded into an existing hole in the support bracket. Leave it loose. See Figure 4.
8. Insert the provided 12mm x 25mm long (short) flanged hex head bolt and oversized washer, through the front hole of the rear bracket of the IRS brace into the threaded plate, that was inserted into the subframe in step 4. See Figure 2 & 4.
9. Place the other 12mm x 45mm (longer) flanged hex head bolt and oversized washer, through the rear bracket of the sub frame brace, through the sub frame, and secure with the provided 12mm nut. See Figure 4. **Note: If at this point, everything is not lining up correctly, the two 13mm hex head bolts on the front rear sub frame support brackets, and the main sub frame bolt may need to be loosened up, so that the sub frame support bracket can be repositioned slightly.**
10. If any of the front sub frame bolts were loosened, torque the main sub frame bolts to 129ft-lbs. Torque the 13mm hex head bolts (in the sub frame support bracket) to 41ft-lbs.
11. Once all of the bolts are loosely started, torque the three 10mm flanged hex head bolts to 45ft-lbs. Torque the 12mm flanged hex head bolts in the rear, to 55ft-lbs.
12. Repeat for the other side.
13. Verify all hardware has been tightened, and lower the car. Enjoy!