



Steeda S550 Mustang THRU Threaded Differential Bolt Upgrade Kit

Installation Instructions for
Part #: 555-4051

Tools Needed

1/2" or 3/4" drive ratchet
13mm socket
18mm socket
21mm socket
22mm socket
7/8" socket

NOTE: It is recommended that this kit be used in conjunction with Steeda's S550 Mustang Differential Bushing Insert System (555-4442 or 555-4444) and HARDCORE S550 Mustang Differential Brackets (555-4050).

Factory Front Bolt Removal

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 subframe.
2. Once the car is supported, place a jack underneath the front of the rear subframe, to support it independently from the car.
3. Locate the main subframe and subframe support bracket bolts as shown in Figure 1. Remove both of the front main subframe bolts and the four bolts (2 per side) securing the front subframe support brackets to the chassis allowing the subframe to droop down in the front. NOTE: For additional clearance, remove the two exhaust hanger bracket bolts and/or loosen (do **not** remove!) the rear subframe bolts.
4. With the IRS drooped down, remove the front differential bolt shown in Figure 2.
NOTE: Remove and install ONE at a time.



Figure 1: Main subframe and subframe support bracket bolt locations



Figure 2: Front differential bolt locations

Steeda Front Differential Bolt Installation

1. Install the Steeda fully threaded differential bolt from the front towards the rear (opposite orientation of the stock bolt) using the provided washer. Torque to 129 ft-lbs.
NOTE: Lubricate the bolt before threading into differential bushing.
2. On the opposite side, use the provided washer and thread on the provided nut, as shown in Figure 3. Tighten until snug.
3. Reinstall the subframe support brackets and main subframe bolts. Torque the main subframe bolts 129ft-lbs and the subframe support bracket bolts to 41ft-lbs.

Factory Rear Bolt Removal

1. Remove the rear differential bolt shown in Figure 4. **NOTE:** Remove and install ONE at a time.

Steeda Rear Differential Bolt Installation

1. Install the Steeda partially threaded differential bolt from the rear towards the front (same orientation as the stock bolt) using the provided washer. Torque to 129 ft-lbs.
NOTE: Lubricate the bolt before threading into differential bushing.
2. Extra washers and nuts are provided if you wish to install on the rear bolts.
NOTE: Grinding for clearance on the differential ear is necessary for this step.



Figure 3: Steeda THRU threaded differential bolt and nut configuration (shown with Steeda's 555-4050 Differential Brackets)



Figure 4: Rear differential bolt locations