

2005-14 Mustang SVE Jacking Rail Kit Installation Instructions



Note: Thoroughly read and understand these instructions before beginning the installation.

Note: SVE jacking rail powder coating is only designed to withstand vehicle jacks with padded rubber jacking plates. Surface damage can result from using jacks without these rubber pads.

Note: Due to assembly line variances, the factory seam sealer may prevent the rails from sitting flat. You may need to scrape it off for a better fitment and repaint the body surfaces to prevent corrosion.

Jacking Rail Installation -

1.) Support the vehicle using a drive-on lift, two-post lift, or a properly rated set of jack stands before beginning this installation. **Note:** If using jack stands, we recommend the following support locations:

Front: Position the jack stands under the K-member, adjacent to the oil pan. (Figure 1.0)

Rear: Position the jack stands under the rear axle housing. (Figure 1.1)

Verify the vehicle is stable and securely supported before working underneath it.

2.) Working on one side at a time, use an 18mm socket to remove the two K-member retaining bolts located at the rear of the K-member, behind the engine. **Note:** Use compressed air to thoroughly clean the threaded bolt holes. Then, use an **M12 x 1.75** thread tap to remove any remaining thread-locking compound (Loctite) and restore the threads. For the rear holes use a **M10 x 1.50** thread tap. Ensure the threads are clean and free of debris before reassembly. (Figure 1.2, 1.3)

3.) Gently pry the K-member rearward just enough to create clearance, then slide the SVE jacking rail front bracket between the vehicle's body and the K-member. **Note:** Shims may be inserted between the K-member and the body to help maintain the gap during installation, making it easier to position the jacking rail bracket. (Figure 1.4, 1.5, 1.6)

4.) Using the supplied hardware, apply an appropriate amount of medium-strength blue thread locker to the threads of the new rear mounting bolts, then install and thread them into place. Clean the threads of the factory front K-member bolts, apply an appropriate amount of medium-strength blue thread locker, then reinstall and thread them into place. Once the jacking rail bracket is properly aligned, tighten all hardware. **Note:** If shims were used to separate the K-member from the body during installation, remove them before tightening the K-member mounting hardware.

5.) Starting with the front, torque the front K-member mounting bolts to **85 ft-lbs**. Then, torque the rear mounting bolts to **45–50 ft-lbs**. (Figure 1.6, 1.7)

6.) Repeat Steps 2–5 to install the jacking rail on the opposite side of the vehicle. Once all mounting hardware has been torqued to specification, lower the vehicle. The installation of the SVE Jacking Rails is now complete!

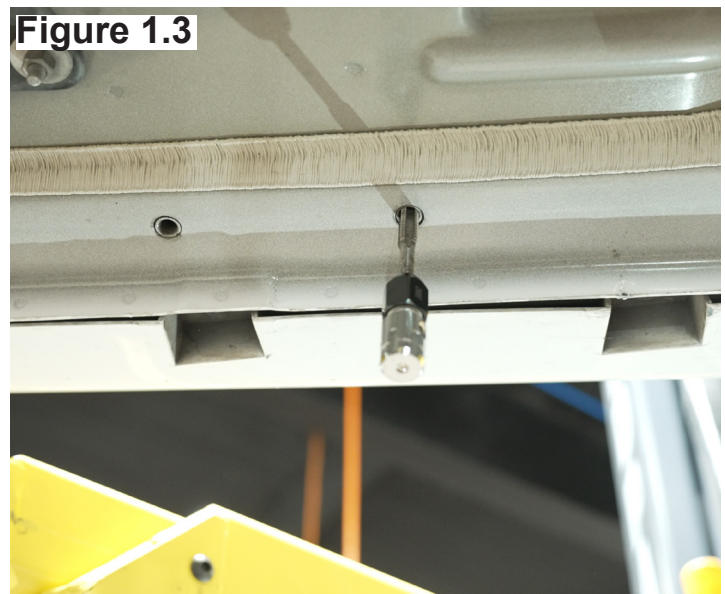
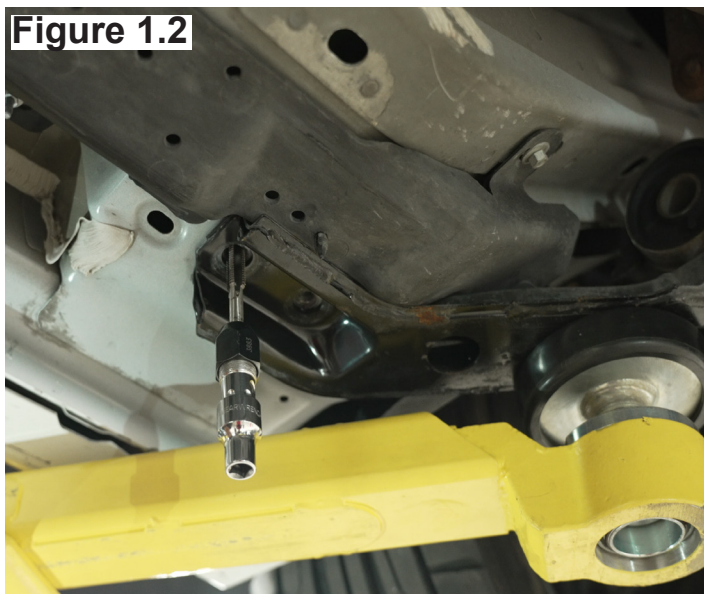
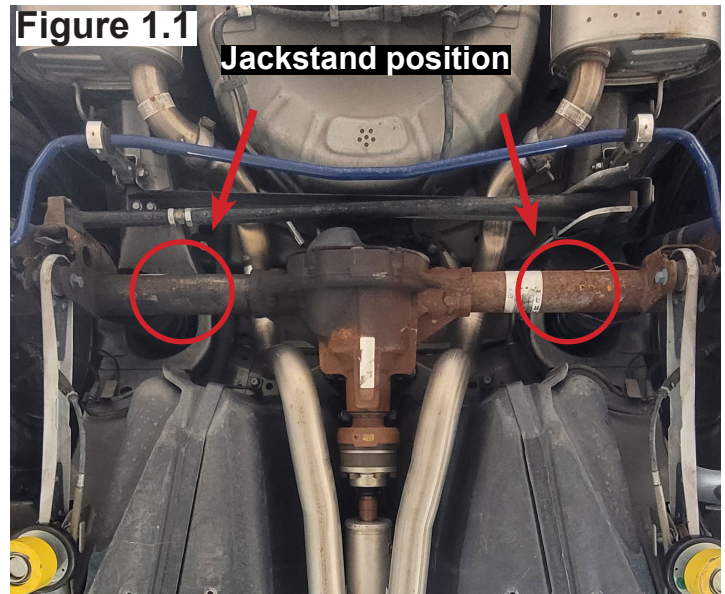
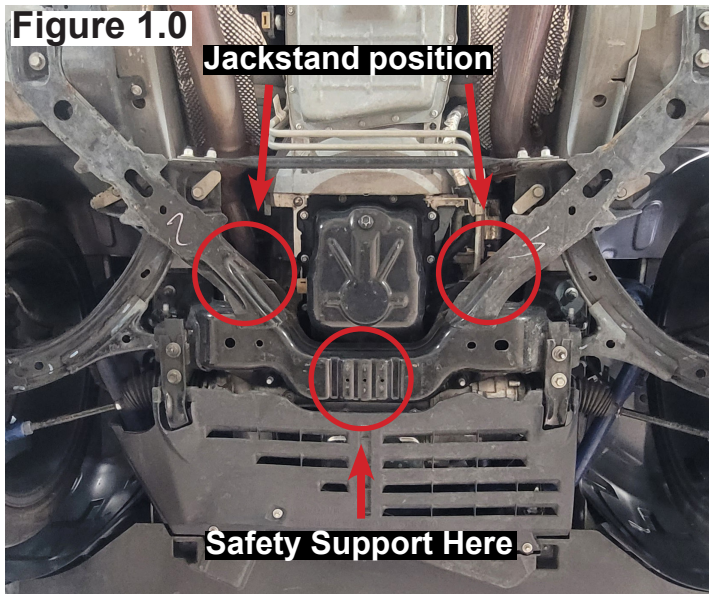
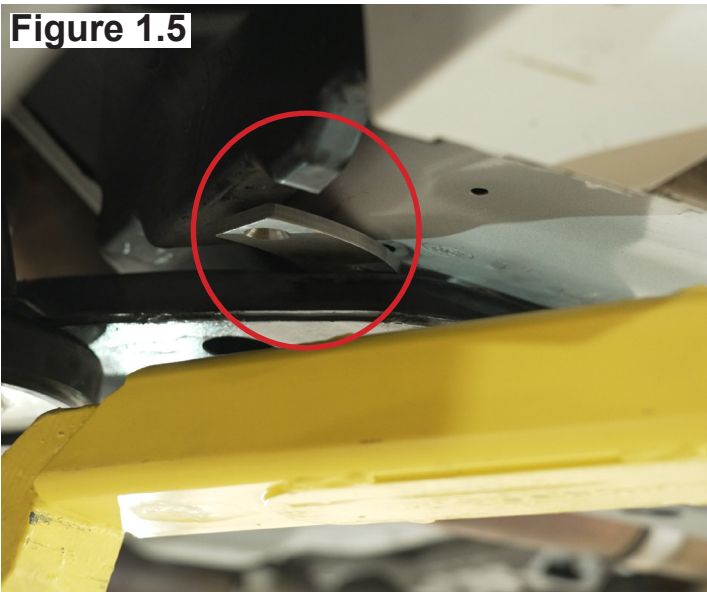
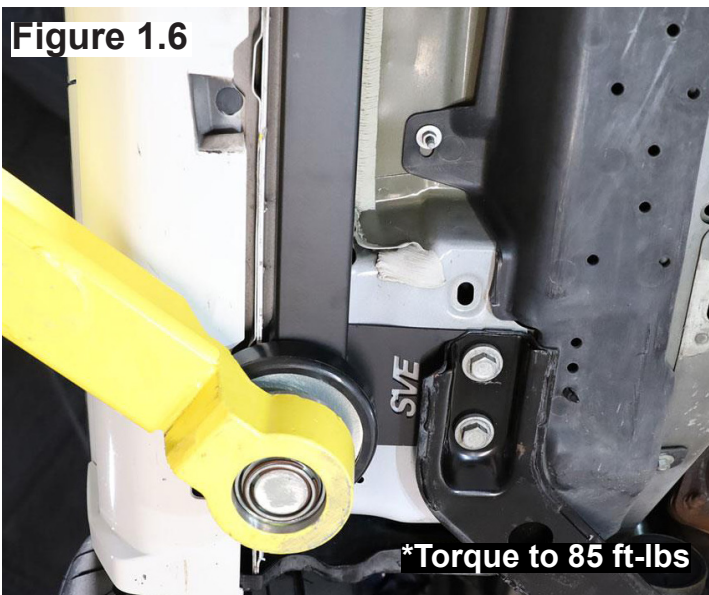
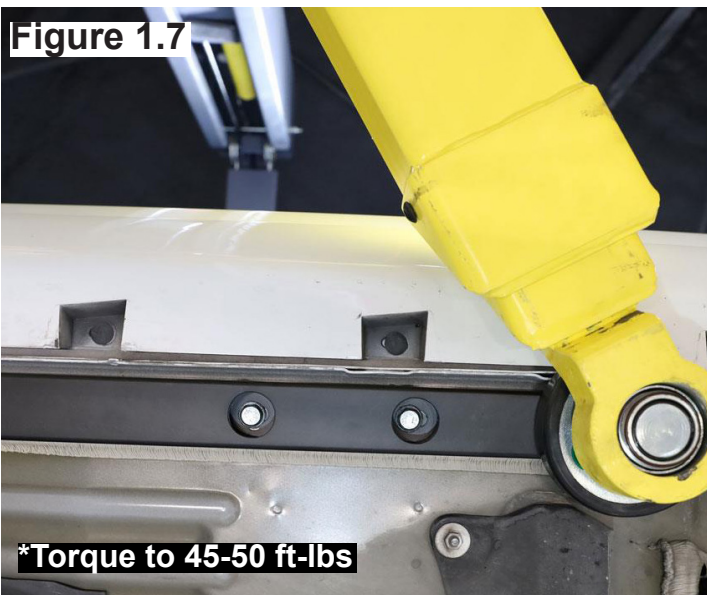


Figure 1.4**Figure 1.5****Figure 1.6****Figure 1.7**

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