



HARD CORE STEERING ★ SUSPENSION PRODUCTS

2005-2022 Ford Super Duty Stage 1 Leveling Kit

CAREFULLY READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE STARTING THE INSTALL. BE ADVISED, WITH ANY CHANGE IN RIDE HEIGHT IT IS RECOMMENDED TO INSTALL AN ADJUSTABLE TRACK BAR TO ALLOW RECENTERING OF THE AXLE.

1. On a clean level surface chock the rear tires and jack up the front end of your truck supporting the frame with HD jack stands. Be sure to allow enough ground clearance in order to lower the front axle to then remove the coil springs and install spacers.
2. Remove the wheels and tires. Starting on the driver side, support the front axle now remove the shock followed by the brake line bracket, and disconnect the sway bar from the end link **Figure 1**. If the track bar is being changed disconnect it from the frame at this time.



FIGURE 1



Figure 2

3. Next carefully remove the ABS sensor from the radius arm and disconnect the vent tube on the axle housing. **Figure 2**.
4. Repeat step 2 on the passenger side. You will then lower the down axle in order to remove the coil springs.
5. Once coil springs have been removed you will then remove the bump stop and lower spring perch **Figures 3 & 4**.

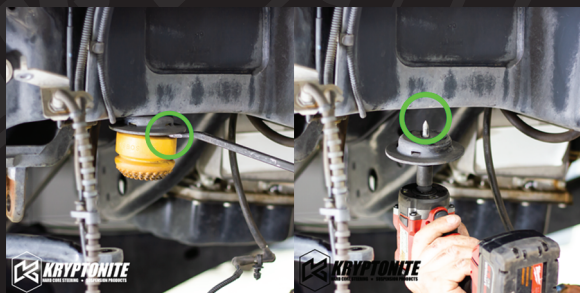


FIGURE 3



FIGURE 4

(Continued on Back)

6. With the coil perch removed you have clear access to the upper ball joint nut and caster shim. Remove the cotter pin and castle nut. Using a pry bar and brass or non marring hammer you will remove the caster shim **Figure 5**. Reassemble with new 2 degree caster shim ensuring the slotted side of the shim is pointed toward the rear of the vehicle.



FIGURE 5

7. Reinstalled the castle nut and cotter pin, torque to factory spec (76lb/ft). You will then clean the mounting surfaces for the bump stop bracket and lower coil perch. Now that you have a clean mating surface install the bottom mount spacer and coil perch with the provided hardware to 136lb/ft. Ensure the square side of the spacer is facing the tire **Figure 6**. You will line up the dimple on the bump stop spacer with the alignment tab on the bump stop bracket. Now reinstall with provided hardware. (Bump stop 22lb/ft).



FIGURE 6

NOTE: If the track bar is being replaced, before you reinstall the rubber bump stop into the bracket take this time to torque your track bar at the frame to 405lb/ft. This is easiest to do with the help of a torque multiplier.

8. It is now time to reinstall your coil springs, be sure they are properly seated on the upper cushion and lower perch. Now lift the axle to secure the springs and install your new shocks.

9. With the shocks installed reattach brake line brackets (For 2017+ models refer to **Figure 7**), reattach sway bar to end links, then move onto the vent hose and ABS wiring clip on the driver side radius arm.

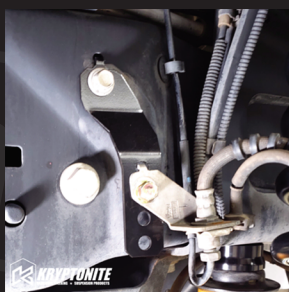


FIGURE 7 (17+ Models)