

Hellwig

SUSPENSION PRODUCTS

559-734-7451 800-367-5480 TechSupport@HellwigProducts.com

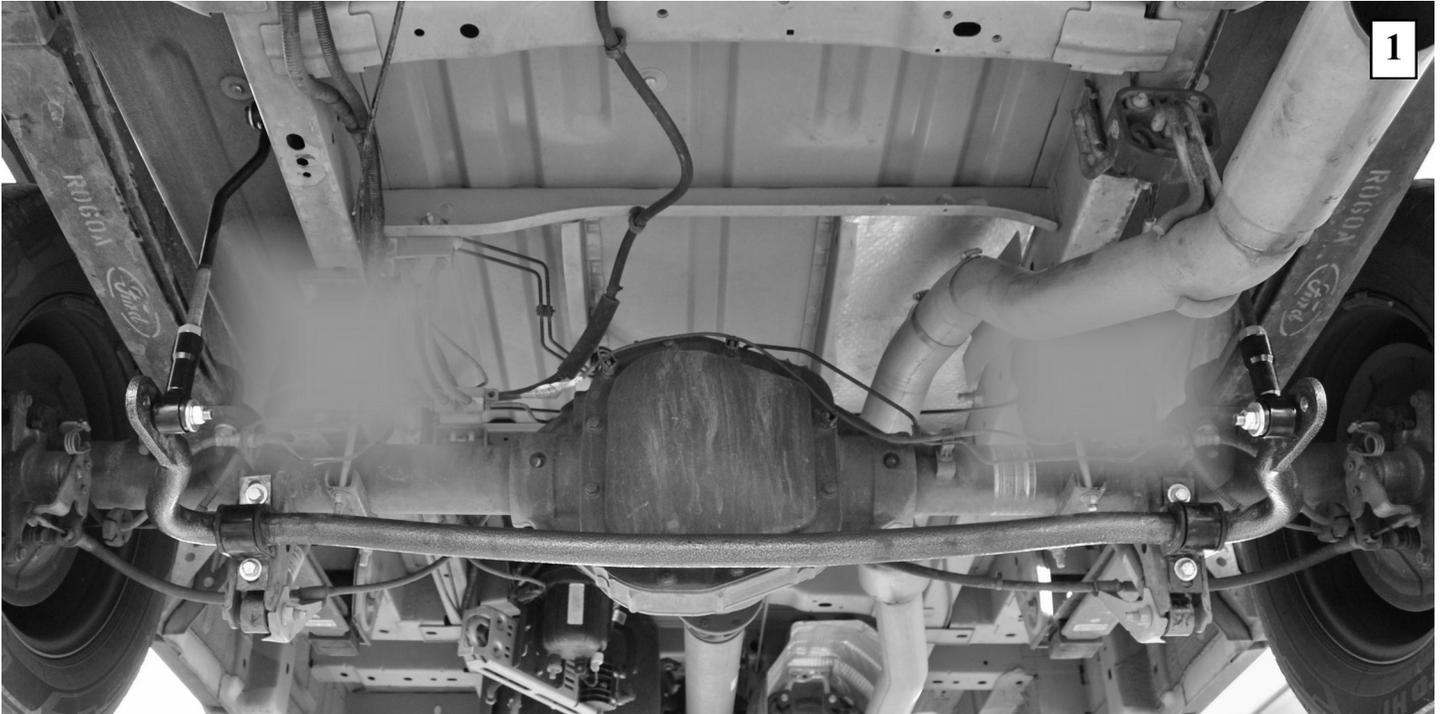
INSTALLATION INSTRUCTIONS

Ford Transit

REAR STABILIZER BAR

Thank you for purchasing a quality Hellwig Product.

PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE STARTING YOUR INSTALLATION



SAFETY: BEFORE STARTING YOUR INSTALLATION, BE SURE TO SET PARKING BRAKE AND CHOCK TIRES.

NOTE: TO EASE INSTALLATION AND TO PROPERLY ADJUST THE BAR, THE WEIGHT OF THE VEHICLE MUST BE ON THE SUSPENSION, AS IF DRIVING DOWN THE ROAD. DO NOT RAISE VEHICLE BY THE FRAME.

NOTE: THIS KIT INCLUDES LOCKNUTS WHICH REQUIRE TIGHTENING WITH A WRENCH AFTER BEING STARTED BY HAND.

NOTE: THIS KIT MAY REQUIRE DRILLING THE FRAME RAIL AND POSSIBLE RELOCATION OF FUEL AND BRAKE LINES. INSTALLER MUST ENSURE THAT THE SWAY BAR KIT WILL NOT INTERFERE WITH ANY FUEL OR BRAKE LINES OR HOSES.

TORQUE TABLE

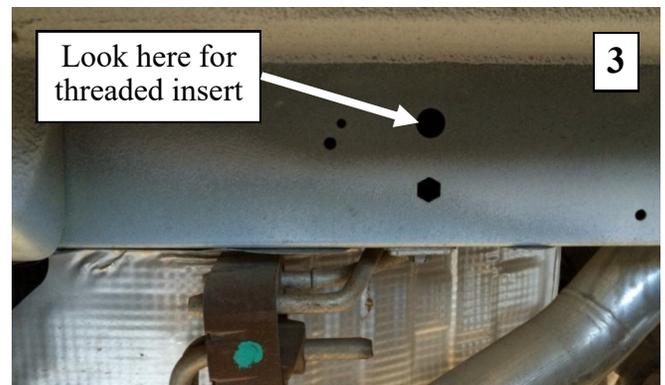
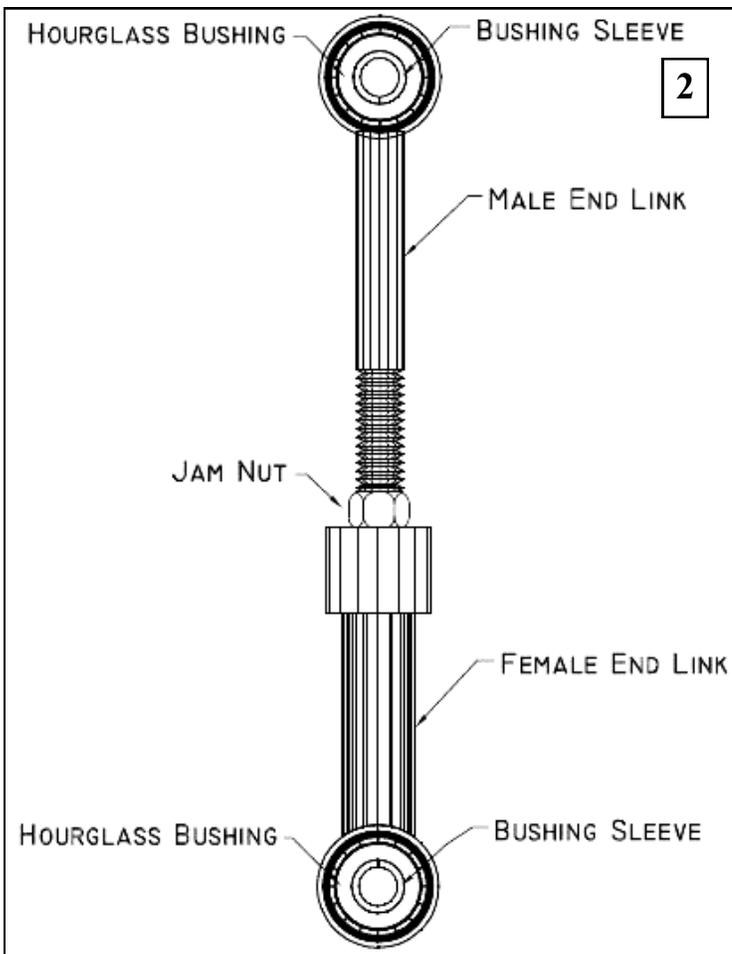
BOLT SIZE: 3/8" = 20-30 ft. lbs. – 7/16" = 35-45 ft. lbs. – 1/2" = 50-70 ft. lbs. – 9/16" = 70-90 ft. lbs.

Hellwig

SUSPENSION PRODUCTS

559-734-7451 800-367-5480 TechSupport@HellwigProducts.com

1. Assemble the end links together as shown in Diagram 2. First thread the 9/16" nut onto the male side of the end link and then thread both sides together. Exact length of end link will be determined later.
2. Lubricate the outside of the smaller hourglass bushing and press it into the hoop on the female end link. Then lubricate the outside of the 7/16" ID metal sleeve and press it into the bushing. Repeat process for male end link using larger bushing and sleeve.
3. Depending on various factors, your transit may have a 12mm threaded inserts in the outside of the frame rails above where the exhaust hanger mounts (location shown in photo 3). If your transit has the threaded inserts, follow steps 4-5, skip steps 6-22, and continue with step 23. Alternatively, if your transit has blank holes, skip steps 4-5 & 13-22 following steps 6-12 & continuing with step 23. If your transit has no hole, skip steps 4-12 and continue with step 13.
4. **If your transit has the factory threaded inserts**, mount the male side of the end link to the threaded insert using the supplied 12mm bolt, 1/8" thick washers and blue thread lock as shown in photo 4. The end link should be oriented with the bottom farther out than the top and a 1/8" thick washer on both sides of the top bushing. Torque bolt to 60 ft. lbs.
5. Repeat process on opposite side of the vehicle.
6. **If your transit has blank holes**, use a 15/16 drill bit to enlarge the hole in both sides of the passenger frame rail to fit the supplied sleeve. Please note that adding a standard rivnut threaded insert will not be strong enough to support the vehicle.
7. Thread the 3/8" locating stud into the 4 hole exhaust relocation bracket using blue thread lock. The end of the stud should be flush to the side of the bracket with the countersink.



Hellwig

SUSPENSION PRODUCTS

559-734-7451 800-367-5480 TechSupport@HellwigProducts.com

8. Remove rear factory exhaust hanger from the passenger side frame allowing muffler to hang freely.
9. Mount the exhaust relocation bracket to the factory mounting point on the inside of the frame using supplied 10mm flat head bolt as shown in photo 5. The larger top hole will line up with the enlarged holes in frame rail. Torque bolt to 35 ft-lb.
10. Re-mount exhaust hanger bracket to bottom hole of exhaust relocation bracket using supplied 3/8" bolt, washers, & locknut as shown in photo 6. Use supplied shorter spacer and 10mm bolt and washer to remount bottom of exhaust hanger to the OEM nut insert. Torque both bolts to 35 ft. lbs.
11. Insert the supplied longer sleeve into the enlarged holes. The sleeve goes through the transit frame rails only. It does not go through the hole in the relocation bracket, only the end link bolt will. Use the sleeved hole to mount the end link using the supplied long 1/2" bolt, 1/8" thick washers, and lock nut as shown in photo 4. The end link should be oriented with the bottom farther out than the top and 1/8" thick washers on both sides of the top bushing and next to nut. Torque bolt to 60 ft. lbs.
12. Repeat process on opposite side of vehicle skipping steps 9-10 for exhaust relocation.
13. **If your transit has no holes**, thread the 3/8" x 3/4" L stud into the 4 hole exhaust relocation bracket using blue thread lock. The end of the stud should be flush to the side of the bracket with the countersink.
14. Remove rear factory exhaust hanger from the passenger side frame allowing muffler to hang freely.
15. Mount the exhaust relocation bracket to the factory mounting point on the inside of the frame using supplied 10mm flat head bolt as shown in photo 5. The stud will fit into the locating hole for the OEM exhaust hanger bracket.
16. Mark the center of the top hole in the exhaust relocation bracket on the vehicle's frame. Remove the relocation bracket. Measure the marked location, and mark the same location on the outside of the frame. We recommend using a combination square to trace the inside mark down to the bottom of the frame rail, across to the outside, and back up to accurately mark the distance fore and aft.
17. Drill a 15/16" hole in the marked locations in both sides of the frame. NOTE, BEFORE DRILLING MAKE SURE THERE ARE NO FUEL OR BRAKE LINES, WIRING, ETC. THAT MAY INTERFERE WITH THE DRILL BIT AND RELOCATE AND PROTECT AS NEEDED
18. Re-Mount the exhaust relocation bracket to the factory mounting point on the inside of the frame using supplied 10mm flat head bolt as shown in photo 5. Torque to 35 ft. lbs.
19. Re-mount exhaust hanger bracket to bottom hole of exhaust relocation bracket using supplied 3/8" bolt, washers, & locknut as shown in photo 6. Use supplied shorter spacer and longer 10mm bolt and washer to remount bottom of exhaust hanger to OEM nut insert. Torque both bolts to 35 ft. lbs.
20. Insert the supplied longer sleeve into the drilled holes. The sleeve goes through the transit frame rails only. It does not go through the hole in the relocation bracket, only the end link bolt will. Use the sleeved hole to mount the end link using the supplied long 1/2" bolt, 1/8" thick washers, and lock nut as shown in photo 4. The end link should be oriented with the bottom farther out than the top and 1/8" thick washers on both sides of the top bushing and next to nut. Torque bolt to 60 ft. lbs.
21. Using the measurements from step 15, mark the same spot on both sides of the driver side frame rail.
22. Repeat process on opposite side of vehicle skipping steps 18-19 for exhaust relocation.



Hellwig

SUSPENSION PRODUCTS

559-734-7451 800-367-5480 TechSupport@HellwigProducts.com

23. **For all vehicles**, lubricate the inside and install the D-shaped poly bushings on the new sway bar on either side of the hump.
24. Position the U-plates over the D-shaped poly bushings and position the new sway bar on the back side of the shock mounts as shown in photo 7.
25. Place the two hole, threaded plate inside the shock mounts as shown in photo 8 and bolt the U-plate in place using the 3/8" bolts, washers and lock washers. Leave loose at this time.
26. Adjust the length of the end links so that the bar sits horizontal when attached. Use the jam nut to lock in place once adjusted. Note, the vehicle must be sitting on level ground with its weight on the suspension for this step.
27. Attach the sway bar to the end links as shown in photo 9 with 1/8" thick washers at each end of the bolt. The sway bar arms have three mounting holes. Mounting the sway bar on the outer hole is the nominal position. For firmer settings, use the inner holes. We recommend starting with the outer mounting hole until you are accustomed to the vehicles new handling characteristics. Select the mounting point that best fits your driving style and vehicle weight.
28. Center the sway bar and then torque all the bolts.
29. Bounce the vehicle checking for clearance on all under carriage components – emergency brake cables, exhaust, shocks, differential, etc. Test drive the vehicle and recheck all clearances and the installation alignment. Adjust as needed. Recheck your installation periodically on a regular basis.

Maintenance and Inspection:

Your Hellwig Suspension Product is built to last. However, as with all vehicle systems, it requires routine inspection. Inspect your Hellwig installation looking for secure hardware and tight fitting brackets and bushings. If you do not perform this inspection, have your professional mechanic inspect as described.

ATTENTION INSTALLER: BE SURE THAT THE CUSTOMER RECEIVES THIS INSTRUCTION SHEET, ALL IMPORTANT NOTE CARDS AND THE WARRANTY FORM

Hellwig Products Company, located in Visalia, California was founded in 1946 with solutions for load control of loaded passenger cars. The family operated company produces components for trucks, RVs, muscle cars and military vehicles. Hellwig is ISO9001 certified and is proud to develop, test and manufacture products in the USA.

