

Hellwig PRODUCTS

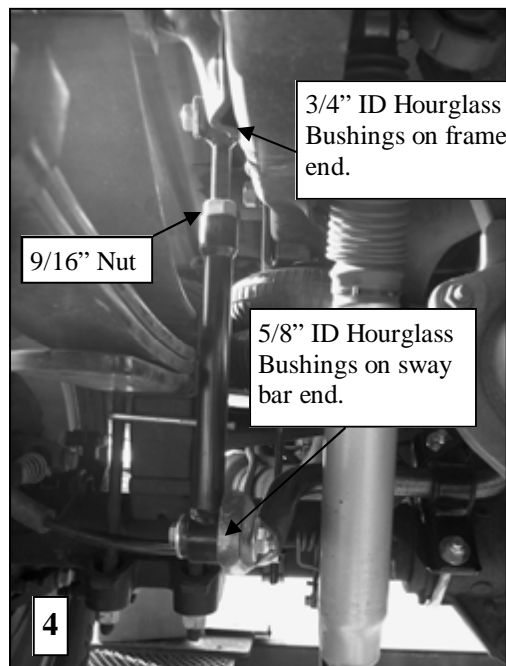
INSTALLATION INSTRUCTIONS

Adjustable Rear Stabilizer Bar

2011+ F-250/F-350 Super Duty Except Dual Wheels

4WD Models ONLY

Thank you for purchasing a quality Hellwig Product.



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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.

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

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

NOTE: THIS UNIT IS DESIGNED TO REPLACE THE FACTORY INSTALLED REAR ANTI-SWAY BAR OR AS AN ADDITION IF THE REAR ANTI-SWAY IS NOT FACTORY SUPPLIED.

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

1. Remove the factory installed rear anti-sway bar (if equipped) and all factory supplied hardware. See note 7 for removal of factory installed end link.
2. Locate the half round cast lugs on the differential housing at each side near the axle tubes. Install the U-bolts on the axle between these lugs and install the saddles over the legs of the U-bolts. Orient the saddle brackets as shown in photos (2&3).
3. Lubricate and place the D-shaped poly-bushings onto the straight areas of the bar on each side of the center clearance hump. Place the U-plates over the bushings on the bar, position the U-plates and poly-bushings as close as possible to the center of the hump.
4. Disconnect the emergency cable bracket located on the passenger side shock mount. Save bolt to reattach the bracket later. Move emergency brake cable out of the way to ease sway bar installation.
5. Place the bar with the bushings and U-plates up over the top of the differential housing. Align the bushings and U-plates so that they align with the U-bolts on the differential. Place the bar bushings and U-plates onto the U-bolts and saddles, attach them with the flat washers and locknuts provided. **Leave loose at this time to allow for adjustment later.**
6. Locate the end links and assemble with the poly bushings and 9/16" nut as in photo (4). Insert the 3/4" ID hourglass bushings and matching inserts in the loops of the end link that will attach to the frame rail. Insert the 5/8" ID hourglass bushings and matching inserts in the loops of the end link that will attach to the sway bar. Lubricate hourglass bushings and insert first and then insert sleeve.
7. Installation of driver side end link will be easier if bracket in photo below is unbolted from fuel tank support. **DO NOT DISCONNECT BRAKE LINES OR ELECTRICAL CONNECTIONS, ONLY UNBOLT THE BRACKET TO ALLOW EASIER ACCESS TO END LINK BOLT ON DRIVER SIDE.**



Removal of stock end link and installation of new end link on driver side will be easier if this bracket is unbolted and moved away from frame rail. Do not disconnect hoses or electrical lines. Take care not to damage brake line or hoses. Replace bracket after installing end link.

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8. Attach the end links to the frame rail as shown in photos (4,5&6) using the 1/2 X 2 -1/2" bolt, washers and locknut.
9. Center sway bar on the differential and move the axle mounting hardware so the bar is aligned properly. Be sure to move any lines, wires or hoses on the axle or the inside of the frame to avoid any damage. Rotate bar up and down to make sure there is adequate clearance to all axle and undercarriage components as the suspension articulates. When bar is centered and proper clearances verified, tighten axle U-bolt locknuts to 60 ft-lb.
10. Attach lower end of end link to outer hole of sway bar as shown in photo six (6) using 7/16 X 2-3/4" bolt, washer and locknut. Adjust end links so that end link bolt will clear fuel tank. Tighten 1/2" bolt to 50-60 ft-lb and 7/16" bolt to 35-40 ft-lb. Tighten 9/16" adjustment nut on end link to 70 ft-lb.
11. Reattach emergency brake bracket and torque to factory specification.
12. Bounce the vehicle checking for clearance on all undercarriage components shocks, exhaust etc... test drive the vehicle and recheck your installation. **Recheck periodically on a regular basis thereafter.**
13. 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 as in photo (2) until you are accustomed to the vehicles new handling characteristics. Then select the mounting point that best fits your driving style

