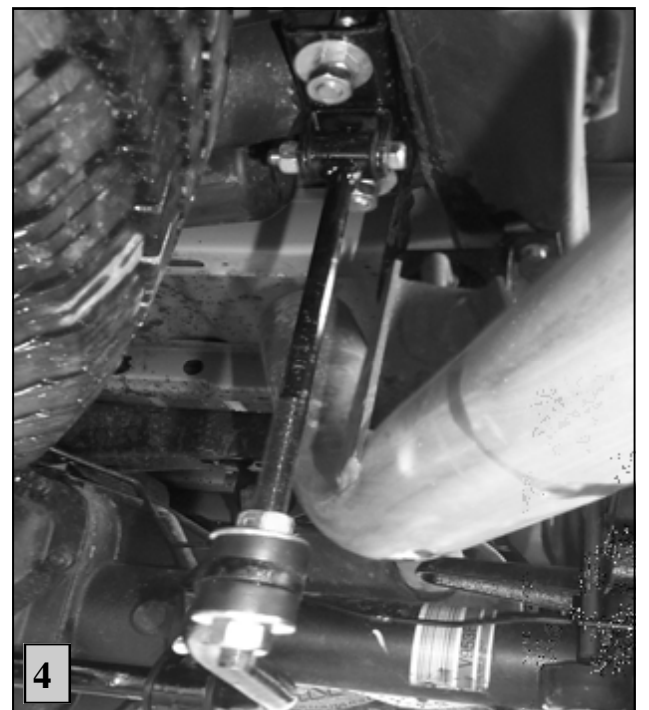
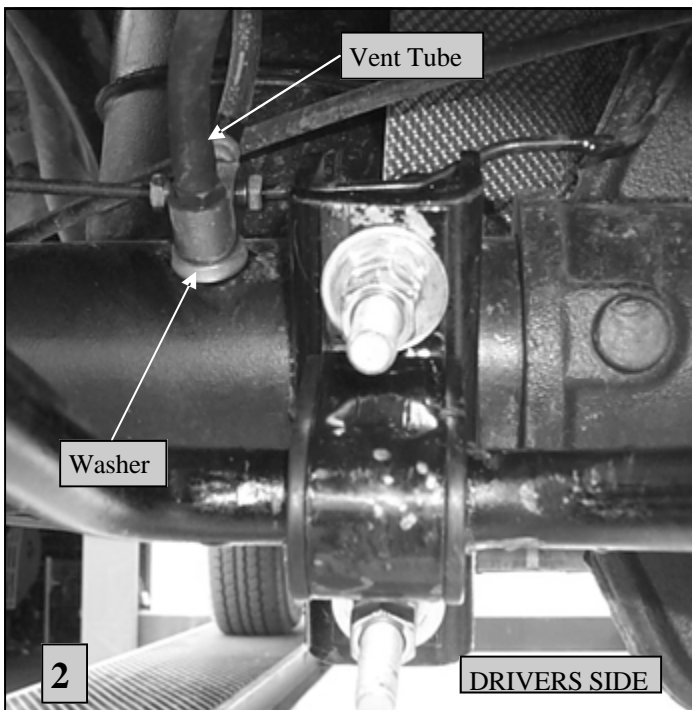
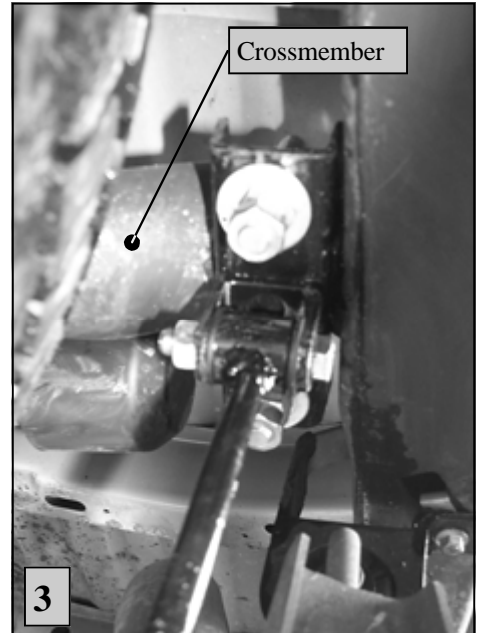


INSTALLATION INSTRUCTIONS 7663 REAR STABILIZER BAR

Thank you for purchasing a quality Hellwig Product.

PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE STARTING YOUR INSTALLATION



Hellwig PRODUCTS

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 SWAY BAR IS DESIGNED TO MOUNT ON THE REAR OF THE DIFFERENTIAL WITH THE ARMS TOWARDS THE REAR OF THE VEHICLE.

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

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. - 5/8" = 120 ft. lbs.

1. Install the D-shaped poly bushings on the flat areas of the sway bar. Between the hump and the arms of the sway bar. When the sway bar is mounted the hump should tilt slightly downward.
2. Disconnect vent tube and remove bolt. Place thick washer under brake tee as shown in picture 2. Reinstall bolt and connect vent tube.
3. Position the U-bolts on the axle tubes just inside of the shock mounts. The threads should be pointing downward. **Make sure that the U-bolts are under any brake lines, wires or hoses on the axle to avoid pinching or crushing when the U-bolts are tightened.**
4. Install the U-plates over the D-bushings on the sway bar. Install the saddle brackets on the U-bolts that are on axle tubes. Attach the U-plates to the U-bolts using the 1/2" hex nuts and the flat washers that are provided. **Leave loose at this time to allow for adjustment.**
5. Rotate the sway bar on the axle tubes and adjust side to side so that the sway bar is as centered as possible. Check and make sure the sway bar has enough clearance around the differential housing.
6. Assemble the pivot bushings and sleeves into the ends of the end links.
7. Locate the tubular crossmember above the spare tire just inside the frame rails. See picture three (3). Position the shorter set of U-bolts on the crossmember with the legs pointing down. Install the saddle brackets with the welded U-shaped clevis on the crossmember using 1/2" locknuts and flatwashers. **Make sure the U-bolts are under any lines or wires to avoid pinching or crushing when tightened. Leave loose at this time to allow for adjustment later.**
8. Attach the end link assemblies to the upper clevis brackets using 7/16 X 2 1/4" bolt. **Leave loose at this time to allow for adjustment later.**
9. Thread locknuts on to the threads of the end links far enough to mount flat washers and bushings to the end of sway bar as shown in photo four (4). Attach sway bar to end link using locknuts provided in kit. **LEAVE LOOSE AT THIS TIME** to allow for adjustment later..
10. Rotate the U-bolts on the axle and the tubular crossmember to align the sway bar to be as level with the frame and that the end links are straight up and down as possible. **Recheck the axle and crossmember U-bolts make sure that there are no wires, hoses or brake lines underneath to avoid pinching or crushing when tightened.**
11. With the sway bar properly aligned, ensure that all the vehicle components have the proper clearance, and no wires or hoses will be crushed or pinched when tightened.
12. Tighten frame crossmember U-bolts to 50 ft-lb.
13. Tighten end link nuts until poly bushings start to bulge slightly. **DO NOT OVERTIGHTEN**
14. Torque all other mounting hardware to the specified rates. Double nut the axle U-bolts and tighten to lock nuts in place.
15. Bounce the vehicle, check for clearance on all undercarriage components; exhaust, wires, shocks, brake and fuel lines. Test drive the vehicle and recheck for clearance and installation alignment.
16. After one week of driving recheck your installation recheck on a monthly regular basis thereafter.

HELLWIG PRODUCTS

PARTS LIST
KIT # 7663
"04" F150 2X & 4X4

PART #	QTY	DESCRIPTION
20217663	1	SWAY BAR 1" O.D.
111000544	2	(1") I. D. POLY BUSHING
20800761	2	SADDLE BRACKET
20800033	2	END LINK
20801980	2	WELDED SADDLE BRACKET WITH CLEVIS
20800648	2	U-PLATE
118000156	2	(1/2" X 3-5/8" X 6-1/2") ROUND U-BOLT
118020356	2	(1/2" X 3-1/4" X 4-1/2') ROUND U-BOLT
111000762	4	END LNK BUSHING
107401042	2	(7/16") LOCK NUT
101500185	2	(7/16" X 2-1/4") CAP SCREW
107521044	8	(1/2') LOCK NUT
105521044	8	(1/2") HEX NUT
102520043	12	(1/2") FLAT WASHER
111000853	4	(5/8") I. D. POLY BUSHING
20800722	2	STEEL SLEEVE
135007663	1	INSTRUCTION SHEET R-7663