

# Hellwig PRODUCTS.com

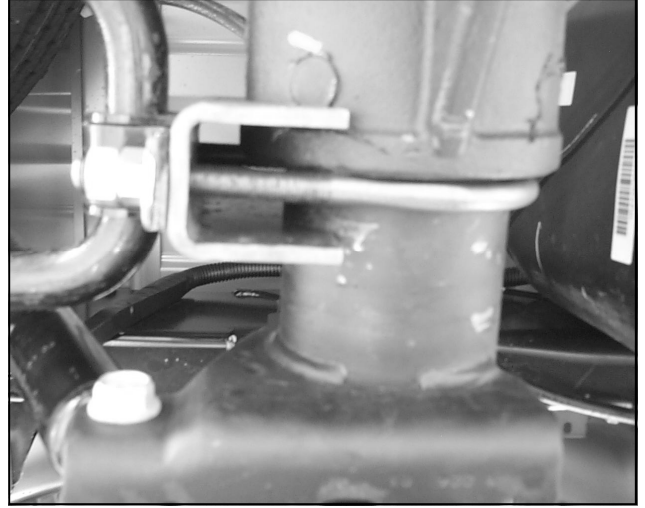
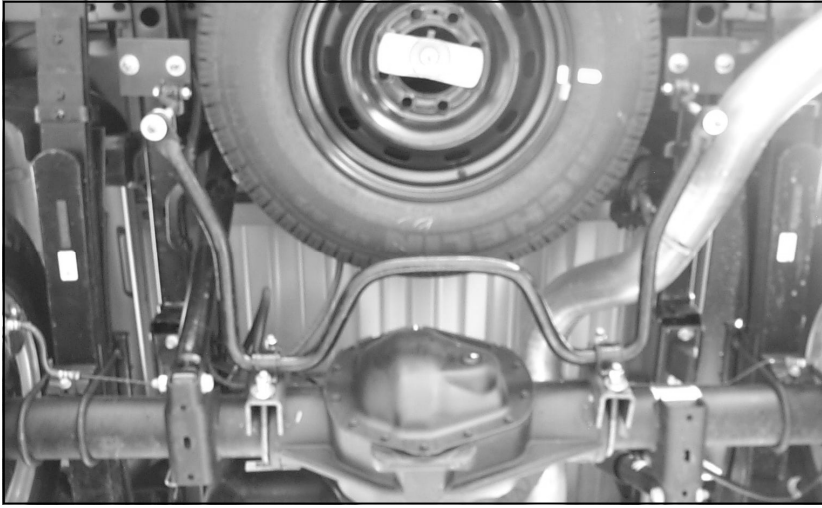
559-734-7451 800-367-5480 FAX 559-734-7460

## INSTALLATION INSTRUCTIONS

### 7658 Rear Stabilizer Bar

Thank you for purchasing a quality Hellwig Product.

PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE STARTING YOUR INSTALLATION



#### 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 TIRES.**

**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 VEHICLE BY FRAME.**

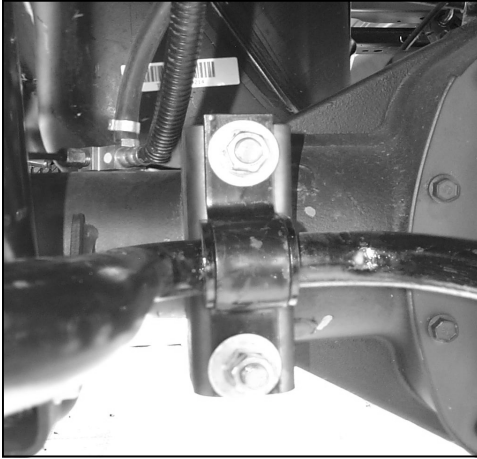
**NOTE: THIS UNIT IS DESIGNED TO MOUNT TO THE REAR OF THE AXLE TUBES WITH THE ARMS OF THE BAR TOWARD THE REAR OF THE VEHICLE. THE HUMP SHOULD TILT SLIGHTLY DOWNWARD.**

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

1. As shown in photo one (1), place D-shaped poly-bushings onto straight areas of the bar on each side of center hump. After installing D-bushings onto bar, place U-plates on D-bushings.
2. Place U-bolts on axle tubes next to casting as shown in photo two (2). **When installing U-bolts, be sure to put U-bolts under any brake lines, wires or hoses on the axle to avoid any possible damage.**
3. Place saddle brackets on axle by inserting legs of U-bolts into the holes in saddle brackets. Saddle brackets must be installed so that one leg of the saddle bracket is located on the cast center section with the leg just inside the raised lip on the casting. See photo two (2)
4. Raise bar and place D-bushings on saddle brackets by inserting legs of U-bolts through holes in U-plates. Install flat washers and hex nuts provided on U-bolts. Do not use locknuts provided in kit on axle U-bolts. **LEAVE LOOSE AT THIS TIME** to allow for adjustment later.
5. Locate existing spare tire crossmember on vehicle frame. Place square U-bolt over frame rail just behind crossmember with legs of U-bolt pointing downward.
6. Insert legs of U-bolt into slotted holes of the hanger brackets. Install hanger brackets with clevis inboard of frame rail and toward front of vehicle as shown in photo three (3). Attach using 1/2" lock nuts. **LEAVE LOOSE** for adjustment later.
7. Install bushings and spacer tube into the sleeve in end link. Place end link into clevis with offset inboard. Attach end link with 7/16 X 2 1/4" capscrew. See picture three (3).

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7. Thread locknut on to threads of end link far enough to mount flat washers and bushings to the end of sway bar as shown in photo three (3). Attach sway bar to end link using locknuts provided in kit. **LEAVE LOOSE AT THIS TIME** to allow for adjustment later.
8. With sway bar loosely mounted, work bar back and forth in D-shaped poly bushing to center bar.
9. Tighten frame bracket U-bolts to 50 ft-lb..
10. Tighten end link clevis bolts to specs in torque table.
11. Tighten end link nuts until poly bushings start to bulge slightly. **DO NOT OVERTIGHTEN**
12. Tighten axle U-bolts to torque spec in torque table. Place second nut on U-bolt and tighten against primary nut to lock in place.
13. Recheck your installation, looking for clearance on any undercarriage components, such as gas lines, exhaust pipes, brake lines, wiring, differential cover, etc.
14. Drive vehicle for a few miles, then recheck for position and tightness, readjust and retorque as needed. Then recheck periodically thereafter.

**ATTENTION INSTALLER: PLEASE MAKE SURE CUSTOMER RECEIVES THIS INSTRUCTION SHEET, ALL IMPORTANT NOTE CARDS, WARNING CARDS AND THE WARRANTY FORM**

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## PARTS LIST

RSB KIT #7658

“03-04” DODGE W3500 & D3500 (WITH 11.50 REAR AXLE)

PART #	QTY	DESCRIPTION
20217658	1	1-1/8" SWAY BAR
20800029	1	LH PLATE BRACKET
20800030	1	RH PLATE BRACKET
20800020	2	WELDED END LINK
118000651	2	1/2" X 3" X 7-3/8" SQUARE U-BOLT
118000658	2	1/2" X 4" X 7-1/2" ROUND U-BOLT
20800494	2	U-PLATE
111000486	2	1-1/8" POLY BUSHING
20800014	2	SADDLE BRACKET
<b>125020658</b>	<b>1</b>	<b>SMALL PARTS BAG # BG-658</b>
111000762	4	1/2" END LINK 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" POLY BUSHING
20800722	2	END LINK SPACER
135007658	1	INSTRUCTION SHEET R-7658