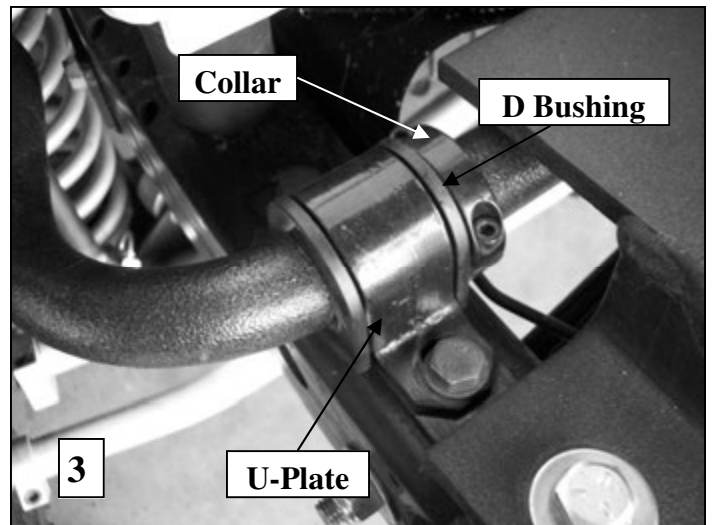


Hellwig PRODUCTS

INSTALLATION INSTRUCTIONS 1997-2006 Jeep Wrangler TJ (Coil Sprung Front Suspension) 7870 FRONT STABILIZER BAR

Thank you for purchasing a quality Hellwig Product.

PLEASE READ THIS INSTRUCTION SHEET COMPLETELY BEFORE STARTING YOUR INSTALLATION



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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.

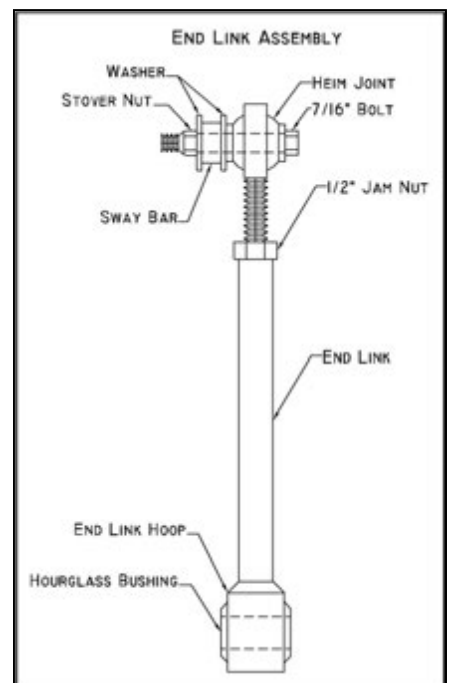
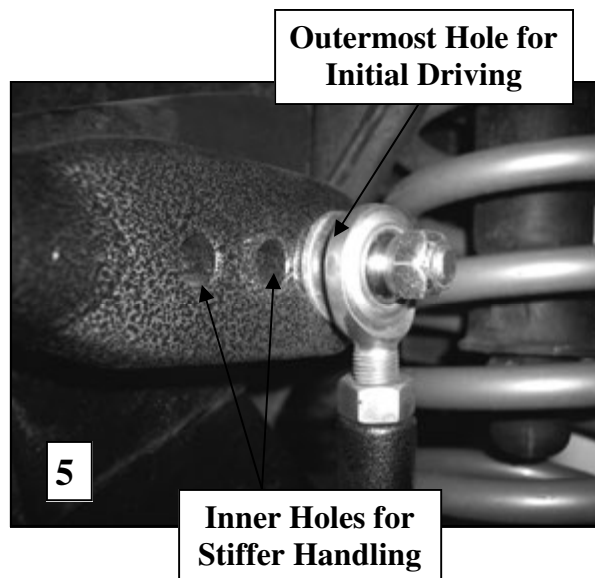
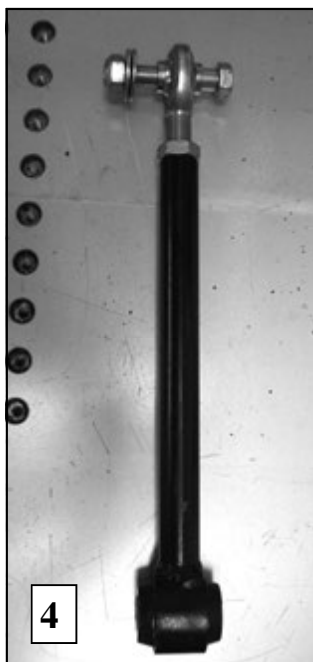
NOTE: THIS SWAY BAR IS DESIGNED TO MOUNT ON THE TOP OF THE WITH THE ARMS TOWARDS THE BACK OF THE VEHICLE.

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

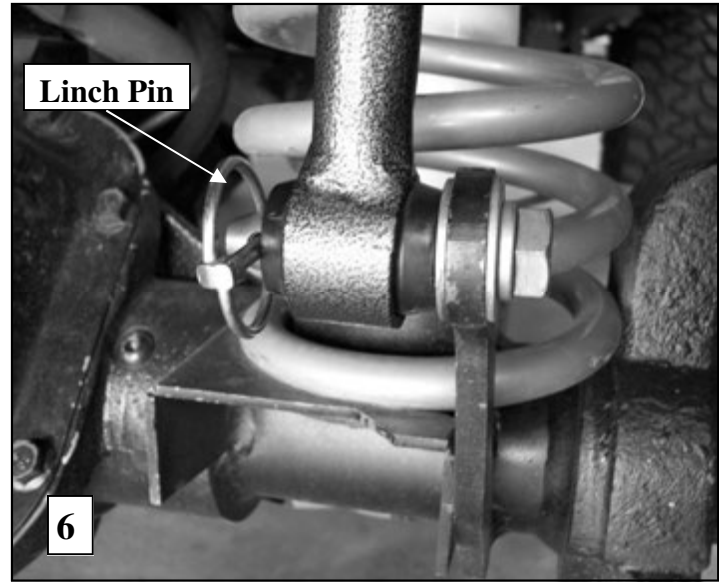
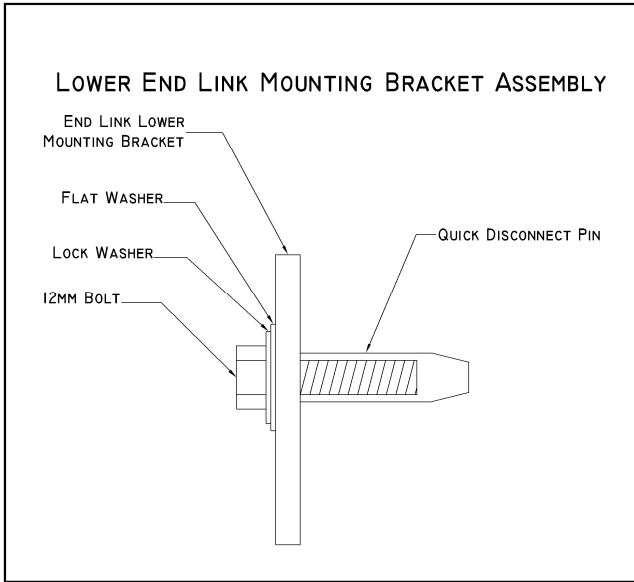
TORQUE TABLE

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.

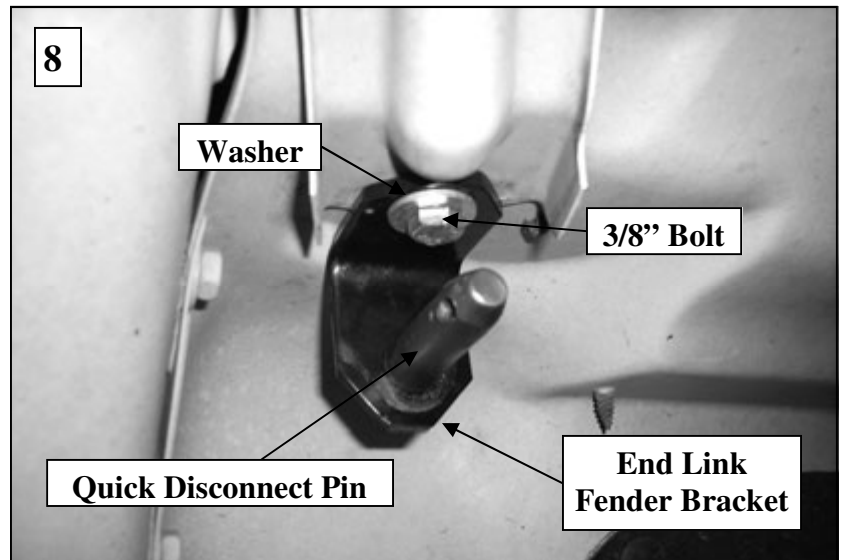
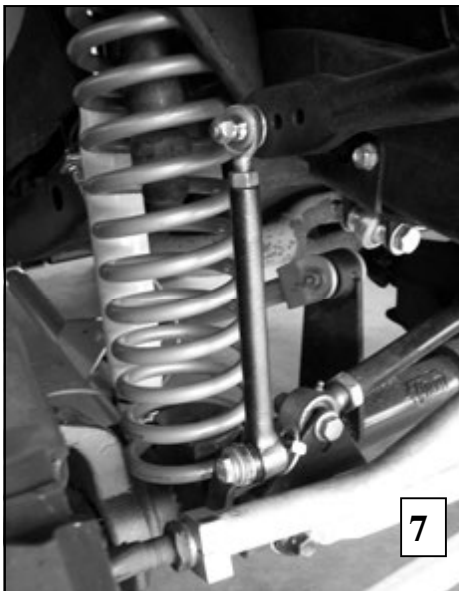
1. Remove the front factory sway bar by unbolting the plastic cover piece on the bumper, unbolting the u-plates behind the bumper on the top of the frame and disconnecting the end links from the axle as shown in Photos 1, 2 and 3. Save the u-plate bolts as they will be reused.
2. Remove end link bolt from axle brackets by turning the bolt until it breaks free. Penetrating fluid may be necessary if the bolt is rusty. The new end link pin will occupy the mounting hole in the axle brackets.
3. Lubricate the inside of the D shaped bushing and place them on the sway bar in the stock location.
4. Place the bar over the frame, center it and then bolt the u-plate over the D bushing to hold the bar in place. Leave loose at this time for later adjustment.
5. Assemble end links together as shown in photo 4 and the diagram. The heim joint will be threaded into the end link with a jam nut. Lubricate the outside of the hourglass bushing and tap it into the hoop on the end link. Leave loose at this time for later adjustment. Protective rubber boots (included in kit) can be installed on the rod ends prior to assembly to increase durability of the assembly.



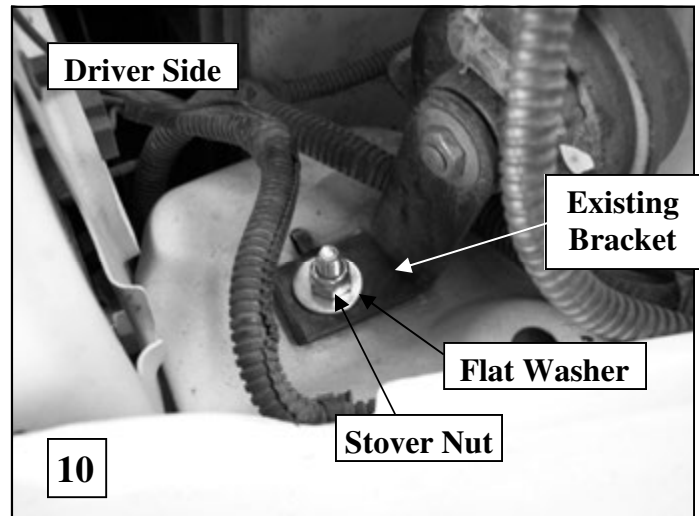
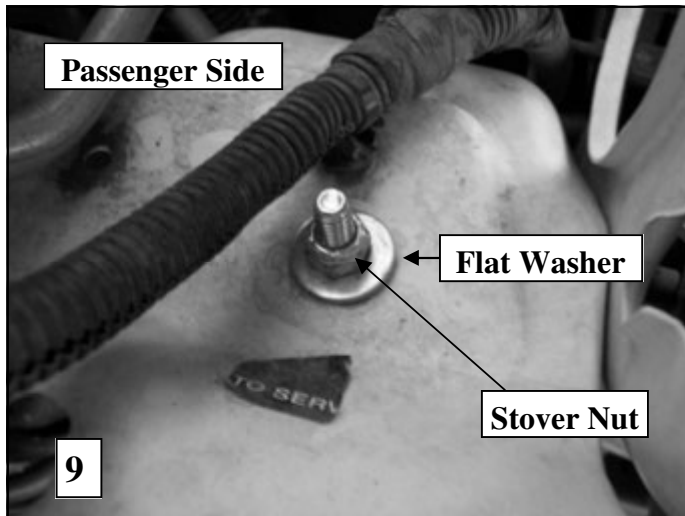
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- Loosely attach the rod end to the middle hole on the sway using the 7/16" bolt, washers and stover nut. **The middle hole position is for sizing the end link only**, it is recommended to start with the end link attached to the outermost (softest) hole until the driver gets used to the change in ride characteristic and they can then adjust the hole positioning for their driving style.
- Attach the quick disconnect pins to the existing lower end link mounting bracket following the diagram and Photo 6. Torque bolts to 25-30 ft-lb. A small phillips screwdriver can be inserted in to the hole in the end of the pin to keep it from turning while tightening bolt.
- Lubricate the inside of the hourglass bushing on the end link and slide it over the quick disconnect pin. This will be held in place with the included linch pin.
- Lengthen or shorten the end link so the sway bar arms are parallel to the ground. Once it's the correct length, tighten the jam nut to hold it in place.
- Move the rod end to the outermost hole, recheck that the bar is centered and tighten down all end link bolts to 35-40 ft lb and u-plate bolts in frame to 25 ft-lb.



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11. On the inside of each D Bushing, place the collar to prevent lateral movement and tighten the allen head screws to 7-8 ft-lbs. See Photo 3.
12. Replace the plastic cover over frame bushings.
13. Connect the end link quick disconnect pins to the fender mounting brackets as shown in photo 8. The end links can be disconnected from the axle and moved to these locations when the vehicle is being used off-road and needs additional suspension flex. For onroad use, leave the end link attached to the lower end link mounting bracket.
14. On the passenger side, using the existing hole on the top of the fender, bolt the end link fender tab to the underside of the fender. The hole may need to be widened for the 3/8" bolt. See Photos 8 and 9.
15. On the driver side, remove the screw holding the horn mounting bracket to the top of the fender. Replace this with the included 3/8" bolt to hold the end link fender tab and the bracket in place. The hole may need to be widened for the 3/8" bolt. See Photos 8 and 10.
16. 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.
17. For off highway use, the end links can be disconnected from the axle and moved to the pins on the fender mounting brackets to allow additional suspension flex. For onroad use, make sure the end links are attached to the pins attached to the axle mounting brackets.
18. After one week of driving recheck your installation recheck on a regular basis thereafter.