SAFETY WARNING

BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

INSTALLATION INSTRUCTIONS

1. Park the vehicle on a flat, clean surface and block the front wheels for safety.
2. Raise the rear of the vehicle and place jack stands under the frame rails. Remove the rear wheels.
3. Lower the spare tire to the ground and remove it from the vehicle.
4. Remove the OE rear shocks.
5. Remove the parking brake cable retaining clamp bolt from the passenger’s side lower shock mount. Remove the clamp from the bracket.
6. Note the orientation of the OE lower shock mounts. You will want to orient the new mounts at approximately the same angle. Remove the U-bolts securing the OE lower shock mounts to the axle and remove the mounts from the vehicle.
7. Mount the new BDS lower shock mounts on the axle tube with the supplied 1/2" U-bolts, washers, and nuts. The locating knob on the axle tube will fit into the open section of the brackets. The knob will fit between the middle and outside plates of the new shock mount. (Fig. 1, 2, 3) Orient the brackets to the desired angle and torque the U-bolts to 60 ft-lbs.
8. Attach the parking brake cable retaining clamp to the hole in the passenger’s side lower shock bracket with a 1/4” x 1” bolt, nut, and washers. (Fig. 4)

9. Locate the four rivets securing each of the upper OE shock mounts to the driver’s and passenger’s frame rails. The heads of the rivets can be accessed through the rear wheels wells. (Fig. 5)

10. Remove the OE upper shock mounts by removing the heads of the rivets with an air chisel, drill, or grinder while taking care not to damage the frame rail. Use a hammer and punch to drive the remains of the rivets through the frame and remove the brackets from the vehicle.
11. Install the new upper shock cross member between the frame rails with the mounting tabs pointing toward the rear of the vehicle. The cross member can be slid in as shown in figure 6 or the exhaust can be lowered to allow for room between the frame rails.

**FIGURE 6**

**FIGURE 7**

12. Attach the cross member to the frame rails using the front and rear OE mounting holes with 7/16” x 1-1/4” bolts, nuts, and SAE washers. (Fig. 7) The top and bottom OE mounting holes will not be used. Adjust the cross member with the slotted holes and torque the four mounting bolts to 50 ft-lbs.

13. Install the new shocks to the upper cross member with 1/2” x 5-1/2” bolts, washers, and nuts. Inserted the 7/8” sleeves between the middle shock mount tabs. Leave hardware loose.

14. Install the shocks in the lower mounting brackets with 1/2” x 5-1/2” bolts, washers, and nuts. Insert a 7/16” USS washer between the welded spacer sleeve and the shock bushings.

15. When the upper and lower shock mounts are attached, torque mounting bolts to 50 ft-lbs. (Fig. 8)

**FIGURE 8**

16. Install the spare tire.

17. Install the wheels and lower the vehicle to the ground.

18. Check hardware torque after 100 miles and after any off-road use.

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**TIME TO HAVE SOME FUN**

Thank you for choosing BDS Suspension.

For questions, technical support and warranty issues relating to this BDS Suspension product, please contact your distributor/installer before contacting BDS Suspension directly.