

RANCHO MULTI SHOCK ABSORBER KIT RS6741

For GM Trucks equipped with the RS6548, RS6549, or RS6550 suspension system

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION

PARTS LIST

| <u>PART NO.</u> | <u>DESCRIPTION</u> | <u>QTY.</u> |
|-----------------|---------------------------|-------------|
| 176286 | Hoop Assembly, Left | 1 |
| 176287 | Hoop Assembly, Right | 1 |
| 176288 | Upper Control Arm Bracket | 2 |
| 176289 | Frame Bracket, Front | 2 |
| 176290 | Frame Bracket, Rear | 2 |
| 5298 | Shock Absorber | 4 |
| 860486 | Hardware Kit, Hoop | 1 |
| | 1/2-13 x 4.5 HHCS | 2 |
| | 1/2-13 x 4.0 HHCS | 2 |
| | 1/2-13 Stover Nut | 4 |
| | 1/2- USS Washer | 8 |
| | 3/8-16 x 1.0 HHCS | 4 |
| | 3/8-16 Stover Nut | 4 |
| | 3/8 SAE Washer | 8 |
| 860487 | Hardware Kit, UCA Bracket | 1 |
| | 3/8-16 x 2.5 HHCS | 4 |
| | 3/8-16 Stover Nut | 4 |
| | 3/8 SAE Washer | 4 |
| | 3/8 USS Washer | 4 |
| 860488 | Hardware Kit, Shock | 1 |
| | 1/2-13 x 5.5 HHCS | 4 |
| | 1/2-13 Stover Nut | 4 |
| | 1/2 SAE Washer | 8 |
| 88341 | Instructions | 1 |
| 94140 | Consumer Information Pack | 1 |

1. Park the vehicle on a level surface, set the parking brake and chock rear wheels.
2. Raise the front of the vehicle and support the frame with jack stands. Remove the front wheels and set them aside.
3. Place bracket 176288 on top of the upper control arm as shown in illustration 1.
4. Using the bracket as a template, center punch the upper control arm at the two mounting hole locations. Remove the bracket and drill a 3/8" hole through the control arm at each location.

CAUTION: Be careful not to damage the brake hose when drilling the upper control arm.

5. Attach bracket 176288 to the upper control arm with the hardware from kit 860487. See illustration 1. Use the larger washer on the bottom. Tighten nuts and bolts to 30 ft. lbs.



Illustration 1

6. Insert bracket 176289 into the slotted frame hole in front of the upper control arm. See illustration 2.



Illustration 2

7. Using bracket 176289 as a template, center punch the inside of the frame. Drill a 1/2" hole at the marked location.

CAUTION: Inspect the other side of the frame rail before drilling. If necessary, move components to prevent damage.

8. Insert bracket 176290 into the slotted frame hole to the rear of the upper control arm. Refer back to illustration 2.
9. Attach Rancho shocks to the appropriate hoop assembly (176286 or 176287) with the hardware from kit 860488. Tighten bolt to 65 ft. lbs.

NOTE: Shock boots are included and the shock absorbers can be installed up or down.

10. Attach the front of the hoop assembly to the frame with the hardware from kit 860486. Use the longer 1/2" bolt.

NOTE: The hoop center mounts should be resting on top of the upper control arm frame brackets. To help hold the hoop in place, clamp the mounts to the brackets.

11. Remove the exhaust heat shield from inside of the frame at the rear bracket (176290) location.
12. Using bracket 176290 as a template, center punch the inside of the frame. Drill a 1/2" hole at the marked location.
13. Attach the rear of the hoop assembly to the frame with the hardware from kit 860486. Insert the shorter 1/2" bolt from inside of the frame.
14. Tighten front and rear mounting bolts to 65 ft. lbs. Reinstall the exhaust heat shield.
15. Using the hoop assembly as a template, drill a 3/8" hole through the top of each upper control arm frame bracket. See illustration 3.



Illustration 3

16. Attach the hoop assembly to the upper control arm brackets with the 3/8" hardware from kit 860486. Tighten nuts and bolts to 30 ft. lbs.
17. Attach shock absorbers to upper control arm bracket 176288 with the hardware from kit 860488. See illustration 6. Tighten shock mounting bolt to 65 ft. lbs

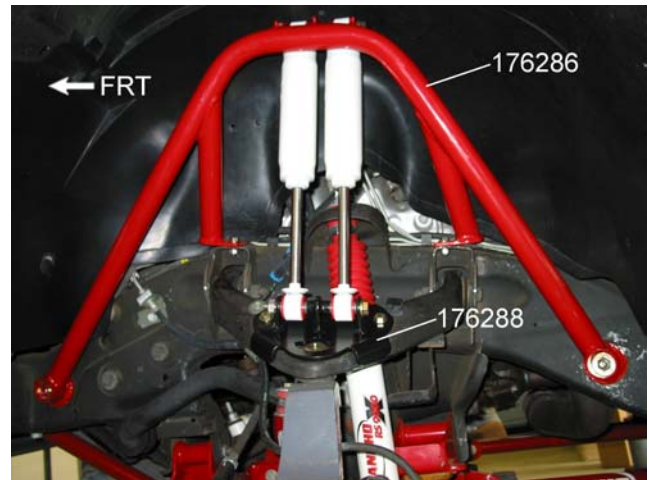


Illustration 4

18. Repeat steps 3 through 17 for the other side.
19. Reinstall wheels and lower vehicle to ground. Tighten lug nuts to 120 ft. lbs.