

# INSTALLATION INSTRUCTIONS

Form No.  
**8966**  
ECL-B

PLEASE READ ALL INSTRUCTIONS FROM START TO FINISH BEFORE YOU BEGIN THE INSTALLATION.

## PRE-INSTALLATION INSTRUCTION NOTES:

1. Not for use on vehicles with 13 1/4" rear driveshaft, severe driveline vibration may occur.
2. Rancho Suspension's heavy-duty U-bolt kits are recommended, but you may re-use your stock U-bolts if they are still in good condition. If you re-use your stock U-bolts, you must purchase 2 P/N 7500 Rancho shims for the rear. **(These are included if you buy the rear U-bolt kit.)**

**NOTE:** Be careful not to stretch or pinch brake lines during leaf spring removal or installation.

## FRONT SPRING REMOVAL

1. Block the rear wheels of the vehicle. Raise the front of your vehicle and support frame ahead of axle with jackstands. Remove wheels.
2. Remove front shock absorbers, and disconnect the axle end of the panhard rod. **(See Illustration 1)**
3. Remove U-bolts, nuts, washers and spring plates.
4. Support axle with jackstands.
5. Remove bolts from spring eyes.
6. Remove front springs.

## FRONT SPRING INSTALLATION (44047)

1. Grease the spring eye bolts and bushing faces with a waterproof grease. Install springs into vehicle with the tapered bushings toward the front of the vehicle and install eye bolts and nuts. Do not tighten at this time.
2. Install new U-bolts, washers and nylock nuts. Torque U-bolts to 65-80 ft./lbs.
3. Install Rancho shocks, if applicable.
4. Install wheels. Remove supports and lower vehicle.
5. Reinstall end of panhard rod.
6. Torque 1/2" eye bolts to 65-80 ft./lbs., 9/16" bolts to 75-90 ft./lbs.
7. Raise front of vehicle again and allow suspension to come to full extension. Rotate driveshaft to make sure that the yokes at either end do not bind. If any binding is apparent, it will be necessary to install shims to correct driveshaft angle.
8. Lower vehicle to ground.

**RANCHO**  
SUSPENSION®

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## REAR SPRING REMOVAL

1. Block front wheels of vehicle. Raise the rear of vehicle and support frame ahead of axle with jackstands. Support rear differential with a floor jack. Remove wheels.
2. Remove rear shock absorbers and disconnect axle end of panhard rod. **(See Illustration 2)**
3. Remove U-bolts, nuts, washers and spring plates.
4. Remove spring eye bolts and nuts.
5. Remove rear springs.

## FRONT SPRING INSTALLATION (44147)

1. Grease spring eye bolts and bushing faces with a waterproof grease. Install springs into vehicle with the tapered bushings toward the rear of the vehicle. Install eye bolts and nuts and hand tighten only at this time.
2. Install Rancho 2.5° shims between the axle and the springs, with the thick end of the shims toward the front of the vehicle. If you have inserted them properly, the front of the housing will be rotated up.
3. Install new U-bolts, washers and nylock nuts. Torque U-bolts to 65-80 ft./lbs.
4. Install new Rancho shocks, if applicable.
5. Install wheels. Remove supports and lower vehicle.
6. Reinstall end of panhard rod.
7. Torque 1/2" eye bolts to 65-80 ft./lbs., 9/16" bolts to 75-90 ft./lbs.
8. Raise rear of vehicle again and support frame with jackstands, so that the rear suspension is fully extended. Rotate driveshaft and make sure that the yokes at either end do not bind. If the shims are properly installed, this should not occur.

Make a final inspection of all brake lines to make sure none have been pinched, kinked, or otherwise damaged.

Periodically inspect the assembly for tightness.

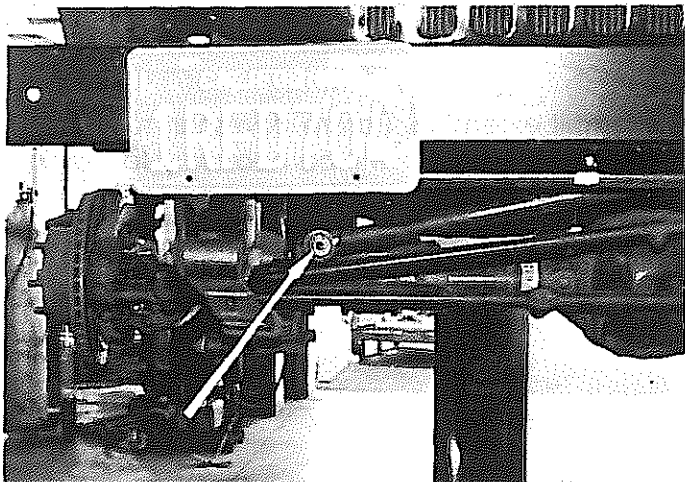


ILLUSTRATION 1

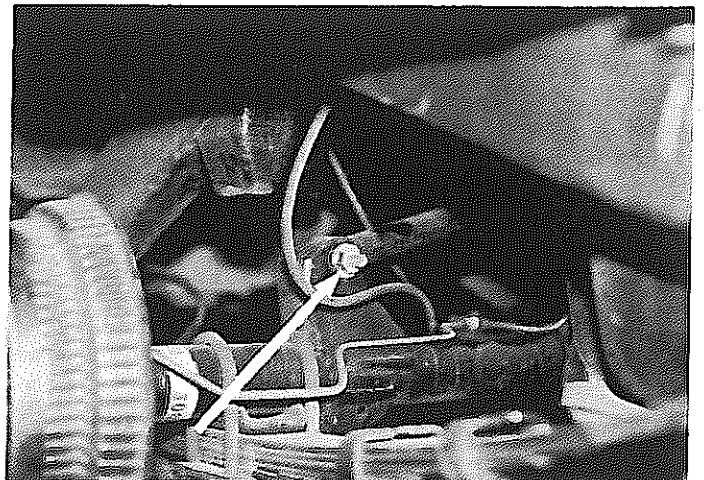


ILLUSTRATION 2