

## AUDI FOX

Fox

### DESCRIPTION

Rear suspension is a coil spring type linkage, using a transverse suspension rod for stabilization. This suspension is similar in appearance to that used on Audi 100LS models, except this suspension does not have torsion bars used on the 100LS models.

### REMOVAL & INSTALLATION

#### REAR AXLE

**Removal** - With wheels removed, loosen clip at exhaust pipe, disconnect exhaust holder, and remove rear muffler with tail pipe. Unscrew nut at parking cable linkage. Pry guide sleeves out of holders and disconnect parking brake cable. Detach parking brake cable at holders on both sides of vehicle. Disconnect both rear brake lines from brake hoses. Remove control arm mounting bolts on both sides and transverse suspension rod mounting bolt on right side. Remove shock absorber lower mounting bolts and withdraw rear axle.

**Installation** - To install, reverse removal procedure.

**NOTE** - Before installing rear axle, it is recommended that control arm bushing and/or transverse suspension rod bushings be replaced, as this is accomplished with rear axle removed. See procedures as outlined below.

#### CONTROL ARM BUSHINGS

**Replacement** - Use a press and suitable mandrel (41-501) to remove bushing. Dip new bushing in lubricant before installation. Install using same tools while ensuring slots of bushing are aligned horizontally with control arm axis.

#### TRANSVERSE SUSPENSION ROD BUSHING

**Replacement** - Use a press and suitable mandrel (10-14) for removal of old bushing and installation of new bushing. Dip new bushing in boring emulsion prior to installation.

#### REAR COIL SPRING ASSEMBLY

**Removal** - 1) Remove rear seat cushion and seatback. Remove guard from upper shock absorber mount. Unscrew top mounting nut through opening behind seatback. Loosen lower shock absorber mounting bolt and carefully pull out coil spring assembly.

2) Loosen upper coil spring assembly nuts (counterhold spindle on double flat). When obtaining replacement coil spring, ensure one of same color coding us used. Reassemble coil spring assembly.

**Installation** - To install, reverse removal procedure, torquing mounting parts as required.

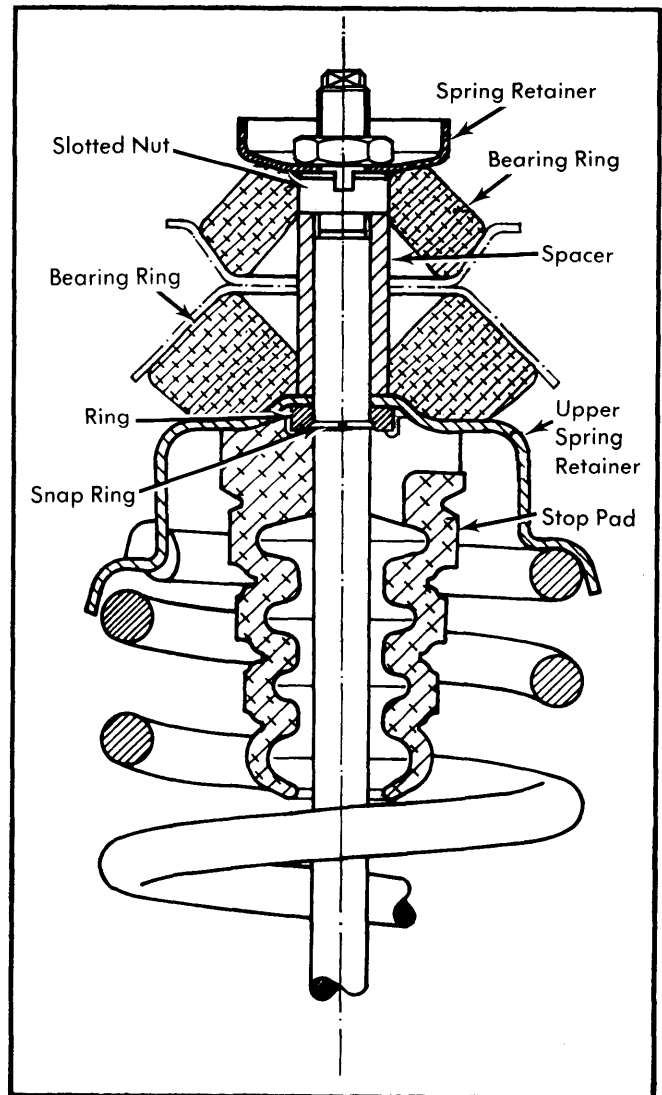


Fig. 1 Sectional View of Rear Suspension Coil Spring Assembly

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Upper Spindle Nut (Coil Spring).....	7-14 (1.0-1.9)
Lower Shock Absorber Mount.....	40-48 (5.5-6.6)
Upper Shock Absorber Mount.....	20-26 (1.8-3.6)