

Rear Suspension

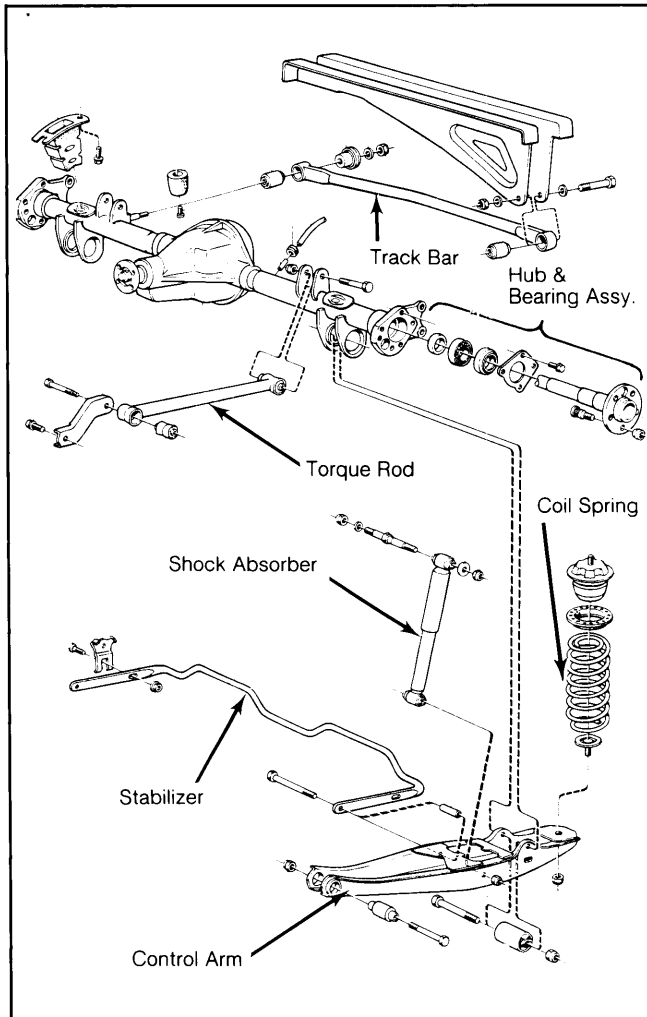
VOLVO

DESCRIPTION

The rear suspension consists of coil springs mounted between control arms and body rubber mounts. The shock absorbers are mounted on control arms and to body. Stabilizer bar is attached at both ends to control arms.

Two torque rods run forward from axle brackets and mount to frame. A track bar attached behind and parallel to axle housing, running from axle housing to body bracket.

Fig. 1: Exploded View of Rear Suspension



REMOVAL & INSTALLATION

COIL SPRING

Removal

1) Raise vehicle and support with safety stands. Remove wheel assemblies. Place floor jack under rear axle housing and raise axle until springs compress.

2) Disconnect lower end of shock absorber. Remove spring lower retaining nut. Lower floor jack and remove coil spring.

Installation

To install, reverse removal procedures. Make sure rubber spring support is in correct position.

SHOCK ABSORBER

Removal

Raise vehicle and support with safety stands. Remove wheel assembly. Use floor jack to raise rear axle. Remove upper and lower retaining nuts. Remove shock absorber.

Installation

To install, reverse removal procedures. Make sure spacer sleeve is in correct position.

CONTROL ARM

Removal

1) Raise vehicle and support with safety stands. Position floor jack under axle and raise until springs compress. Disconnect shock absorber from control arm.

2) Remove coil spring lower retaining nut. Remove coil spring. Remove control arm retaining bolts. Remove control arm.

Installation

1) Install retaining bolts at forward end of control arm. Install rear control arm bolts, do not tighten. Install coil spring and lower plate retaining nut.

2) Raise axle while guiding coil spring into position. Attach shock absorber lower mount. Lower vehicle to floor and tighten control arm bolts to specifications.

STABILIZER BAR

Removal

Raise vehicle and support with safety stands, under vehicle body. With a floor jack, raise axle to take load off shock absorbers. Disconnect stabilizer bar mounts and remove stabilizer bar from vehicle.

Installation

Install stabilizer bar in position on brackets, do not tighten nuts. Install lower end of shock absorber. Maneuver stabilizer bar so it settles in bracket. Tighten all nuts to specifications.

TORQUE RODS & TRACK BAR

Removal

Raise vehicle and support with safety stands. Disconnect track bar and torque rods from body and axle mountings. Inspect bushings and sleeves for wear or damage, replace if necessary.

Installation

To install, reverse removal procedures.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Control Arm Bolts	94 (128)
Shock Absorber Bolts	61 (83)
Stabilizer Bar	
M10 Bolts	33 (45)
M12 Bolts	61 (83)
Torque Rod Bolts	61 (83)
Track Bar-to-Axle	43 (58)
Track Bar-to-Body	61 (83)