

Rear Suspension

VOLVO

DL
GL
GLE

GLT Turbo
Bertone
Diesel

DESCRIPTION

Rear suspension consists of coil springs mounted between control arms and body rubber mounts, double-acting shock absorbers mounted on control arms and to body, a stabilizer bar attached at both ends to control arms, two torque rods running forward from axle brackets and a track bar attached nearly parallel to axle housing.

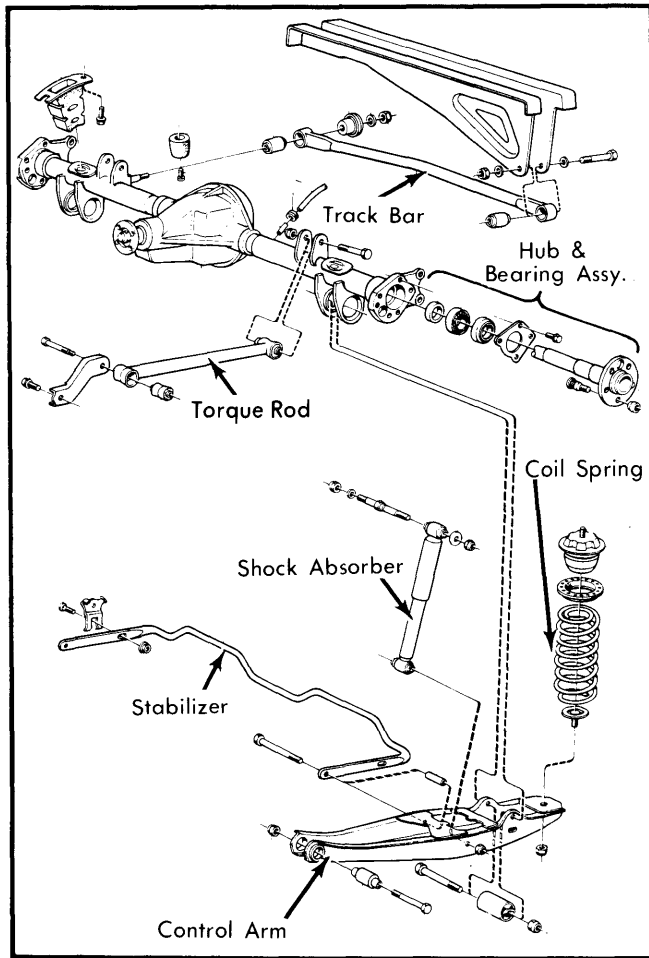


Fig. 1 Exploded View of Volvo Rear Suspension

REMOVAL & INSTALLATION

COIL SPRINGS

Removal — Raise vehicle and place on safety stands. Remove tires and wheels. Place jack under rear axle housing and jack up axle until spring compresses. Disconnect lower shock absorber mounting, then remove spring lower retaining nut. Lower jack and remove coil spring.

Installation — To install, reverse removal procedure and tighten all nuts and bolts. Make sure rubber spring support is in correct position.

SHOCK ABSORBER

Removal — Raise rear of vehicle and support on safety stands. Remove wheel and tire. Use jack to raise rear axle. Remove upper and lower attaching nuts, then remove shock absorber.

Installation — To install, reverse removal procedure and make sure spacer sleeve is in correct position.

CONTROL ARMS

Removal — Raise rear of vehicle and position on safety stands. Position jack under rear axle housing and jack up axle until spring compresses. Disconnect shock absorber from control arm. Remove coil spring lower retaining nut, then remove spring. Remove control arm attaching bolts, and control arm.

Installation — Install attaching bolts for forward end of control arm, then install rear control arm bolts (only finger tight). Install coil spring and lower plate attaching nut. Raise rear axle while guiding coil spring into position. Attach shock absorber lower mount. Lower vehicle to ground and tighten control arm bolts to specifications.

STABILIZER BAR

Removal — Raise vehicle and place safety stand just in front of rear jack supports. With a jack, raise rear axle to take load off shock absorbers. Disconnect stabilizer bar mountings and guide stabilizer bar from vehicle.

Installation — Fit stabilizer bar in position on brackets. Put nuts on finger tight. Remount lower end of shock absorber. Maneuver stabilizer bar so it settles in bracket. Tighten all nuts.

TORQUE RODS & TRACK BAR

Removal & Installation — Raise rear of vehicle and support on safety stands. Disconnect track bar and torque rods from body and axle mountings. Inspect bushings and sleeves for wear or damage. Replace if defective. To install, reverse removal procedures.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Control Arm Bolts	94 (127)
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)