

PORSCHE 928

DESCRIPTION

Porsche 928 rear suspension is a strut type, consisting of a strut assembly (shock absorber and coil spring) which is mounted at bottom to the rear wheel hub and lower control arm and at top to vehicle body. An upper control arm is also incorporated. A stabilizer bar is connected by a link to the lower control arm.

ADJUSTMENTS

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

See *Wheel Alignment Specifications and Procedures* in *WHEEL ALIGNMENT* section.

REMOVAL & INSTALLATION

REAR SUSPENSION ASSEMBLY

Removal – 1) Raise and support vehicle. Detach axle shaft from differential by removing Allen-head bolts.

2) Detach caliper from rotor. Remove 2 countersunk screws and take off rotor. Remove parking brake shoes and spreader lever. Pull parking brake cable out of guide in hub assembly.

3) Remove hub assembly with upper control arm attached after removing control arm retaining bolt.

4) Remove lower control arm retaining nuts and bolts and remove control arm from vehicle. Remove stabilizer bar and link, if necessary.

Installation – To install, reverse removal procedure.

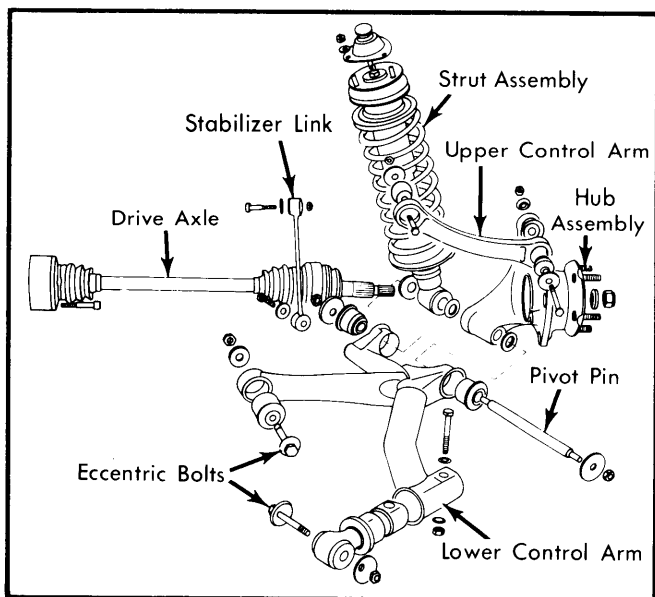


Fig. 1 Exploded View of 928 Rear Suspension

STRUT ASSEMBLY

Removal – 1) Working from luggage compartment, remove 3 self-locking nuts from upper strut mounting plate. Raise and support vehicle and remove rear wheel(s).

2) While holding rear nut, remove front nut from pivot pin of lower control arm (it may be necessary to double-nut the shaft end with another M14 x 1.5 nut). Remove pivot pin.

3) Remove stabilizer bar link from its attachment at lower control arm to gain additional clearance, then remove strut assembly from vehicle.

Disassembly – 1) Attach a suitable coil spring compressor to coil spring and compress enough to allow removal of top piston rod nut. Loosen spring compressor slowly, and remove coil spring.

2) Lift off cover pieces, unscrew adjusting nut and remove threaded sleeve.

Reassembly – Reassemble in reverse of disassembly procedure, using appropriate illustration as a guide. Fig. 2.

Installation – To install, reverse removal procedure.

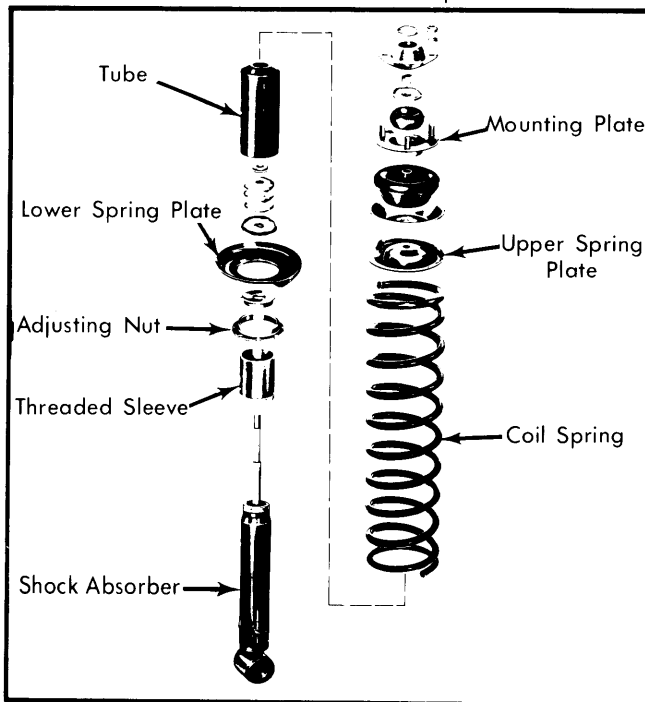


Fig. 2 Disassembled View of 928 Strut Assembly

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Caliper-to-Hub Bolt	61 (8.5)
Lower Control Arm-to-Hub	101 (14.0)
Upper Control Arm-to-Crossmember	33 (4.6)
Upper Control Arm-to-Hub	33 (4.6)
Hub-to-Stub Axle	333 (46.0)
Wheel Nuts	93 (13.0)
Upper Strut Mount-to-Body Locknuts	33 (4.6)
Stabilizer Bar-to-Body	33 (4.6)
Stabilizer Bar-to-Link	33 (4.6)
Stabilizer Link-to-Control Arm	33 (4.6)
Lower Control Arm-to-Link Pin	61 (8.5)
Shock Absorber-to-Upper Strut Mount	42 (5.8)