

Front Suspension

1962-72 MERCEDES-BENZ (KINGPIN TYPE)

190 C, 190 D (1962-65)
 200, 200 D (1965-68)
 220 B, 220 SB, 220 SEB (1962-65)
 230, 230 S, 230 SL (1962-68)
 250 S, 250 SE, 250 SL (1965-67)
 280 S/8, 280 SE/8, 280 SEL/8 (1967-72)
 280 SL/8, 280 SE/9 3.5 (1967-72)
 300 SE, 300 SEB, 300 SEL (1962-72)
 300 SEL/8, 300 SEL/8 6.3 (1967-72)
 300 SEL/9 3.5 (1971-72)

DESCRIPTION

Suspension is control arm coil spring type, with a stabilizer bar. Control arms are attached, outside ends, to a kingpin by fulcrum shafts and to crossmember, inside ends, by fulcrum shafts. Coil springs are mounted between lower control arms and crossmember. Suspension assemblies, (less shocks and coil springs) and crossmember are removed as a unit.

ADJUSTMENT

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

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

WHEEL BEARING ADJUSTMENT

See *Wheel Bearing Adjustment* in *WHEEL ALIGNMENT* Section.

REMOVAL & INSTALLATION

SHOCK ABSORBER

Removal — Raise and support vehicle with safety stands, remove wheel. Disconnect lower shock mount from lower control arm. Disconnect upper shock mounts from body. On early models remove battery to disconnect left upper shock mounts, and air cleaner for right upper shock mounts. Compress and remove shock.

Installation — To install shock absorber, reverse removal procedure.

COIL SPRINGS

Removal — 1) Raise and support vehicle with safety stands, remove wheel with brake drum. Remove shock absorber as previously outlined. Disconnect stabilizer bar link at lower control arm.

2) Place jack under inner side of lower control arm and support. Remove bolts securing lower control arm fulcrum shaft to crossmember. Lower jack and remove coil spring with rubber washer.

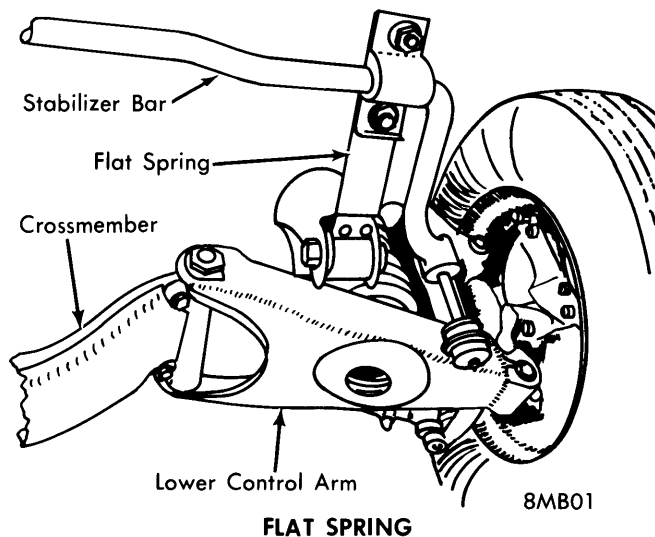
Installation — To install coil spring, reverse removal procedure. Tighten nuts and bolts to specifications.

STABILIZER BAR

Removal — 1) Disconnect stabilizer bar links from lower control arms, remove cup washers, bushings, and space tubes. Remove clamp bolts securing stabilizer bar to chassis and remove stabilizer bar, bushings and brackets.

2) On models equipped with flat springs, mark position of flat springs on both sides of chassis. Remove flat springs and remove stabilizer bar.

Installation — To install stabilizer bar, reverse removal procedure. On models equipped with flat springs, align springs with marks on chassis. Tighten nuts and bolts to specifications.



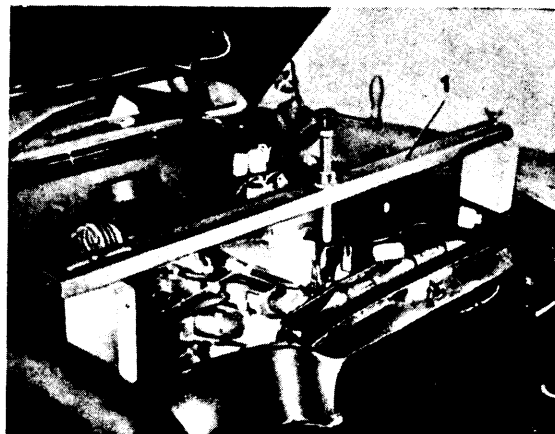
FRONT SUSPENSION ASSEMBLY

Removal — 1) Remove stabilizer bar, shock absorbers and coil springs as previously outlined. Reconnect lower control arms to crossmember.

2) Remove parking brake adjusting wing nut at parking brake lever. Remove brake cable from crossmember. Disconnect and plug brake hoses at chassis.

3) Disconnect lateral support strut from crossmember (except on 190 C and 190 D). Disconnect tie rods from steering arm. Remove battery and air cleaner.

4) Loosen engine mount bolts and using suitable support bracket (111 589 03 31), raise engine slightly and support (see illustration). Place jack under crossmember and remove crossmember mount bolts, lower jack and remove suspension.



9BM02

ENGINE SUPPORT BRACKET

1962-72 MERCEDES-BENZ (KINGPIN TYPE) (Cont.)

Installation – Check all rubber bushings and brake hoses, replace as necessary. To install front suspension assembly, reverse removal procedure. Align flat springs with marks on chassis. Tighten nuts and bolts to specifications. **NOTE** – *Tighten clamp on lateral support strut with weight of vehicle on wheels.*

CONTROL ARMS & STEERING KNUCKLE

Removal – Remove shock absorber, coil spring and front suspension assembly as previously outlined. Disconnect upper control arm fulcrum shaft and remove with shims. Remove lower control arm shafts and remove steering knuckle with upper and lower control arms.

Installation – To install control arms and steering knuckle, reverse removal procedure. Install upper fulcrum shaft shims in order of removal. Tighten nuts and bolts to specifications.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Suspension-to-Body	72
Upper Fulcrum Shaft Nuts.....	72
Lower Fulcrum Shaft Nuts.....	94
Flat Spring-to-Chassis.....	87
Stabilizer Bar Clamps.....	18
Threaded Bushings in Control Arms.....	130
Steering Knuckle-to-Kingpin	65