

OPEL

**Manta
1900**

DESCRIPTION

All models utilize a three-link rear suspension arrangement, consisting of coil springs, track rod, shock absorbers, and lower control arms. The coil springs are set just ahead of the axle housing. The track rod is used to control lateral stability of rear axle assembly. A stabilizer bar is also used on both models. Lower control arms comprise two links of the suspension system, controlling the fore and aft movement of the rear axle. The third link in the suspension is the torque tube. It is attached to the differential carrier and underbody through rubber bushings. All three links of the rear suspension system absorb acceleration and braking torque.

REMOVAL & INSTALLATION

COIL SPRINGS

Removal — Raise rear of vehicle with floor jack under differential carrier and support with jack stands under side brackets. Remove rear wheels. Disconnect shock absorbers from rear axle. Detach stabilizer and shackles (if equipped) from frame. Lower rear axle assembly as far as possible without straining brake hoses. If necessary, tilt rear axle and remove coil springs. Note upper and lower rubber damper rings.

Installation — Ensure lower damper rings are properly positioned and insert springs. Properly install rings on upper end of springs. Raise rear axle assembly to compress springs and attach shock absorbers. Reconnect stabilizer shackles to axle brackets. Install rear wheels and lower vehicle.

LOWER CONTROL ARM

Removal — *NOTE* — This operation may be performed with vehicle free-standing or elevated. Disconnect parking brake cable from bracket on control arm. Loosen and remove front and rear control arm attaching bolts and remove control arm.

Installation — Place a load of approximately 350 Lbs. in luggage compartment. Tighten control arm attaching nuts and bolts. Reconnect brake cable to control arm bracket.

STABILIZER ROD

Removal — Raise and support rear of vehicle. Disconnect stabilizer rod-to-shackle bolts. Disconnect stabilizer rod-to-underbody retainers, and work stabilizer out from under vehicle.

Installation — Work stabilizer bar into position and loosely attach stabilizer-to-underbody retainers. Connect stabilizer bar to shackles. With vehicle standing on its wheels or rear axle lifted, tighten stabilizer rod-to-underbody bracket bolts.

TRACK ROD

Removal — Lift rear of car and suitably support. Disconnect track rod from rear axle and frame sidemember.

Installation — Loosely connect track rod to side member. Load luggage compartment with approximately 350 Lbs. Tighten track rod attaching bolts.

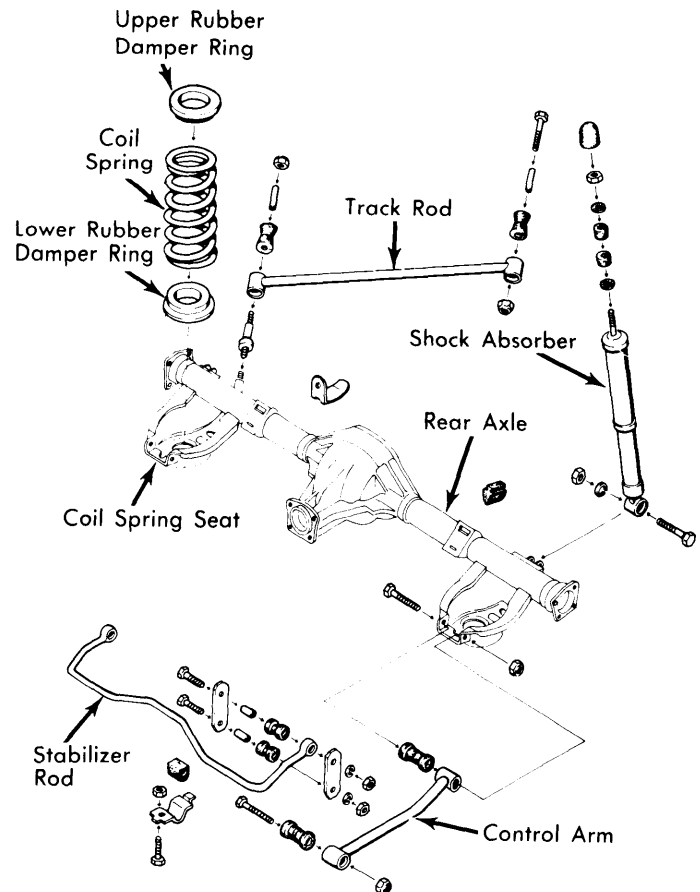


Fig. 1 Exploded View of Rear Suspension Assembly

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Control Arm Attaching Nut.....	23 (3.2)
Stabilizer Bar-to-Underbody Retainers	15 (2.1)
Lower Shock Absorber Nut	47 (6.5)
Stabilizer Shackle-to-Axle Bracket Bolt	25 (3.5)