

Rear Suspension

MAZDA — EXCEPT PICKUPS

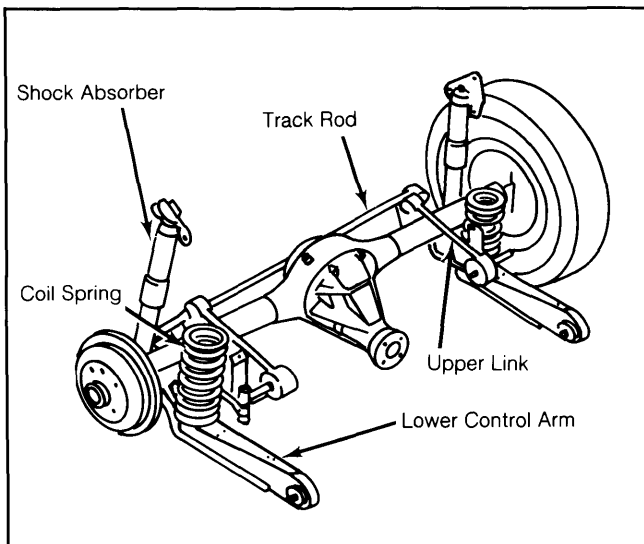
GLC Wagon, 626, RX7

DESCRIPTION

Rear suspension is a coil spring type, using upper and lower control arms as pivot supports. On GLC wagon and 626 models, the coil springs mount ahead of the rear axle directly on the lower control arms. On RX7 models, coil springs mount on rear axle housing.

GLC wagon and 626 models use a track bar to control side-to-side axle movement. RX7 models use a 3-piece Watts linkage to control side-to-side movement. Shock absorbers are mounted behind the rear axle housing at the lower ends and to the chassis on the upper ends.

Fig. 1: GLC Wagon & 626 Rear Suspension Assembly



REMOVAL & INSTALLATION

SHOCK ABSORBER

Removal

Raise vehicle and support with safety stands. Remove wheel assemblies. Disconnect upper shock absorber mounting. Remove lower shock absorber mount nuts. Remove shock absorber.

Installation

To install, reverse removal procedures.

COIL SPRING

Removal (GLC Wagon)

1) Raise vehicle and support with safety stands. Remove wheel assemblies. Support rear axle housing with a floor jack.

2) Remove shock absorber. Remove lower arm pivot bolt at axle housing and slowly lower axle. Remove spring.

Removal (626)

1) Raise vehicle and support with safety stands. Remove wheel assemblies. Support rear axle housing with a jack. Disconnect shock absorber lower end.

2) Disconnect track bar at axle housing. Disconnect upper and lower control pivot bolts at axle

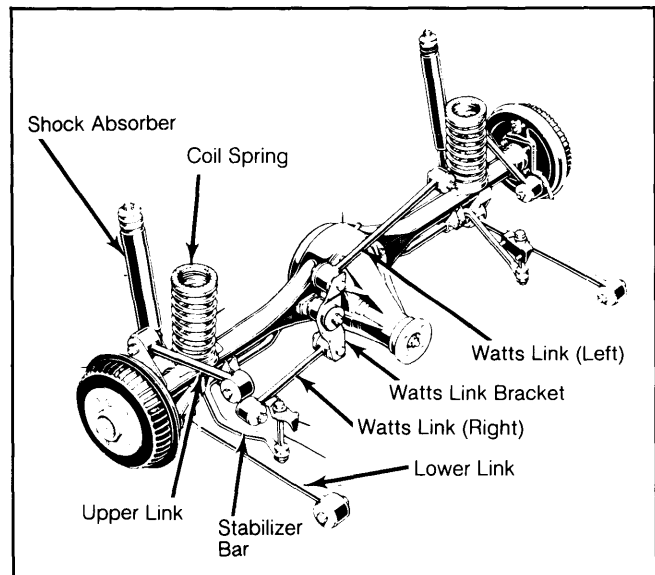
housing. Disconnect rear stabilizer bar (if equipped). Slowly lower axle and remove spring.

Removal (RX7)

1) Raise vehicle and support with safety stands. Remove wheel assemblies. Support rear axle housing with a jack. Disconnect shock absorber lower end.

2) Disconnect upper and lower control arm pivot bolts at axle housing. Disconnect Watts links at axle housing. Disconnect stabilizer bar (if equipped). Slowly lower axle and remove spring.

Fig. 2: RX7 Rear Suspension Assembly



Installation (All Models)

To install, reverse removal procedures. On 626 and RX7 models, install springs with painted marks facing toward rear axle housing. Tighten nuts and bolts after vehicle has been lowered to the floor.

CONTROL ARMS, LINKS & RODS

Removal

Raise vehicle and support with safety stands. Remove control arms, track rods or Watts links by removing attaching nuts and bolts, noting their proper installed locations.

Inspection

Inspect all components for wear or damage. Inspect and replace bushings as necessary.

Installation

To install, reverse removal procedures. Tighten all nuts and bolts after vehicle has been lowered to the floor.

STABILIZER BAR

Removal

Raise vehicle and support with safety stands. Remove attaching nuts and bolts. Remove stabilizer bar and hardware.

Installation

To install, reverse removal procedures. Tighten all nuts and bolts after vehicle has been lowered to the floor.

Rear Suspension

MAZDA — EXCEPT PICKUPS (Cont.)

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Track Rod-to-Mount	
GLC Wagon	47-59 (64-80)
626	56-76 (76-103)
Shock Absorber-to-Mount	47-59 (64-80)
Shock Absorber Bracket-to-Body	34 (46)
Stabilizer Bar Mounts	27-38 (38-52)
Upper Link Bolts	
GLC Wagon	47-59 (64-80)
626 & RX7	56-76 (76-103)
Lower Control Arm Bolts	
GLC Wagon	47-59 (64-80)
626	56-76 (76-103)
Lower Link Bolts	
RX7	56-76 (76-103)
Watts Link Bracket-to-Axle	56-76 (103)
Watts Links-to-Brackets	47-59 (64-80)