

TRIUMPH TR6

TR6

DESCRIPTION

Semi-trailing arm, independent type with coil springs. Control arms pivot in mounts integral with chassis at front and support rear axle bearing carrier at rear. Coil springs are mounted between control arms and spring pockets integral with chassis. Lever actuated hydraulic shock absorbers are mounted to chassis and connected at end of arm to control arm by shock absorber links.

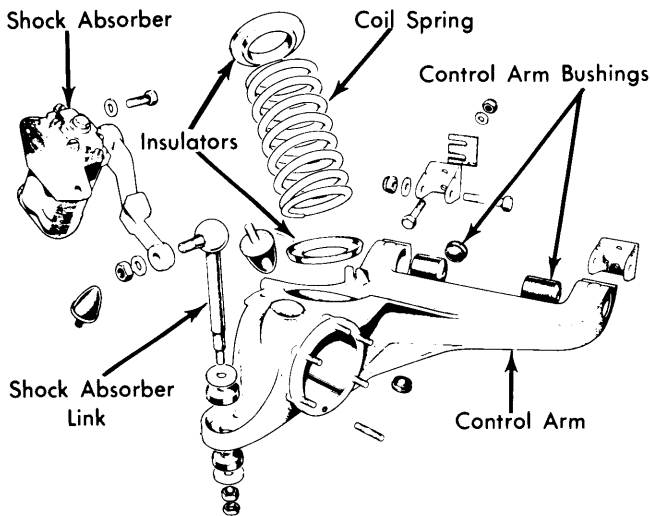


Fig. 1 Exploded View of Rear Suspension Assembly

ADJUSTMENT

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

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

REMOVAL & INSTALLATION

REAR SHOCK ABSORBER

Removal — Raise vehicle and place on jack stands, then remove rear wheel. Position floor jack under control arm and raise jack until coil spring is slightly compressed. Remove mounting nut keeping damper (shock) link in place. Remove the two bolts holding shock absorber to frame. Withdraw shock absorber and link assembly, then separate the two if necessary.

Installation — To install rear shock absorber, reverse removal procedure and tighten all nuts and bolts.

COIL SPRING

Removal — Raise vehicle, position safety stands under chassis and remove wheel and tire. Place a jack under control arm and raise slightly. Remove nut, washer and bushing securing shock absorber link to control arm. Carefully lower jack under control arm until coil spring can be removed. Remove spring and upper and lower insulators.

Installation — To install coil spring, reverse removal procedure.

CONTROL ARM

Removal — 1) Raise and support vehicle with safety stands, then remove tire. Disconnect parking brake cable from bracket on control arm. Place a jack under control arm and raise slightly. Remove bolts securing axle to differential drive flange. Remove brake drum and nuts securing bearing carrier and axle to control arm. Remove hub and axle assembly.

2) Disconnect shock absorber link from control arm. Disconnect flex line and brake line from control arm. Carefully lower jack and remove coil spring and insulators. Remove pivot bolt from outer control arm bracket and disconnect inner mounting bracket from chassis. Remove shim pack and note number of shims. Remove control arm with inner bracket. Remove inner bracket from control arm. Inspect bushings and if defective, press bushing out of control arm.

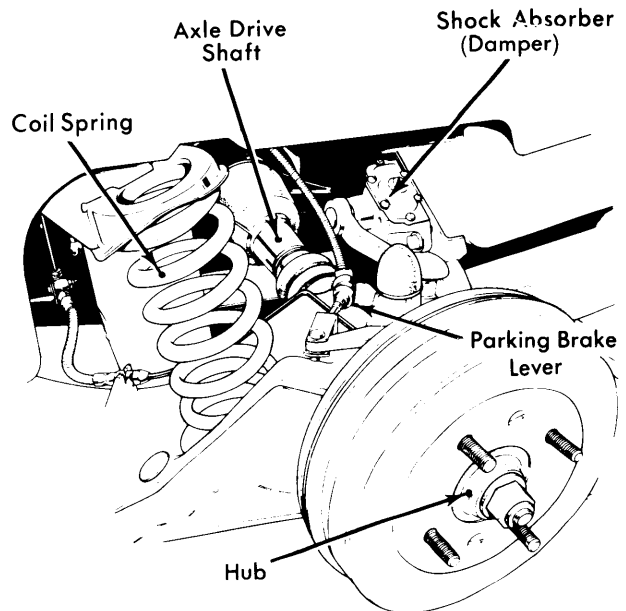


Fig. 2 Detail Installed View of Rear Suspension Assembly

Installation — Press in new bushings, if old were removed. To install control arm, reverse removal procedure. Do not tighten control arm pivot bolts until weight of vehicle is on rear wheels. Bleed brake system.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Shock Absorber-to-Chassis	50-65 (6.9-9.0)
Shock Absorber-to-Link.....	34-46 (4.7-6.4)
Shock Absorber Link-to-Control Arm.....	15-20 (2.0-2.8)
Axle-to-Differential Flange	26-34 (3.6-4.4)
Control Arm Pivot Bolts.....	38-46 (5.5-6.4)
Control Arm Mounts-to-Chassis.....	26-34 (3.6-4.7)
Control Arm-to-Bearing Carrier.....	11-16 (1.5-2.2)