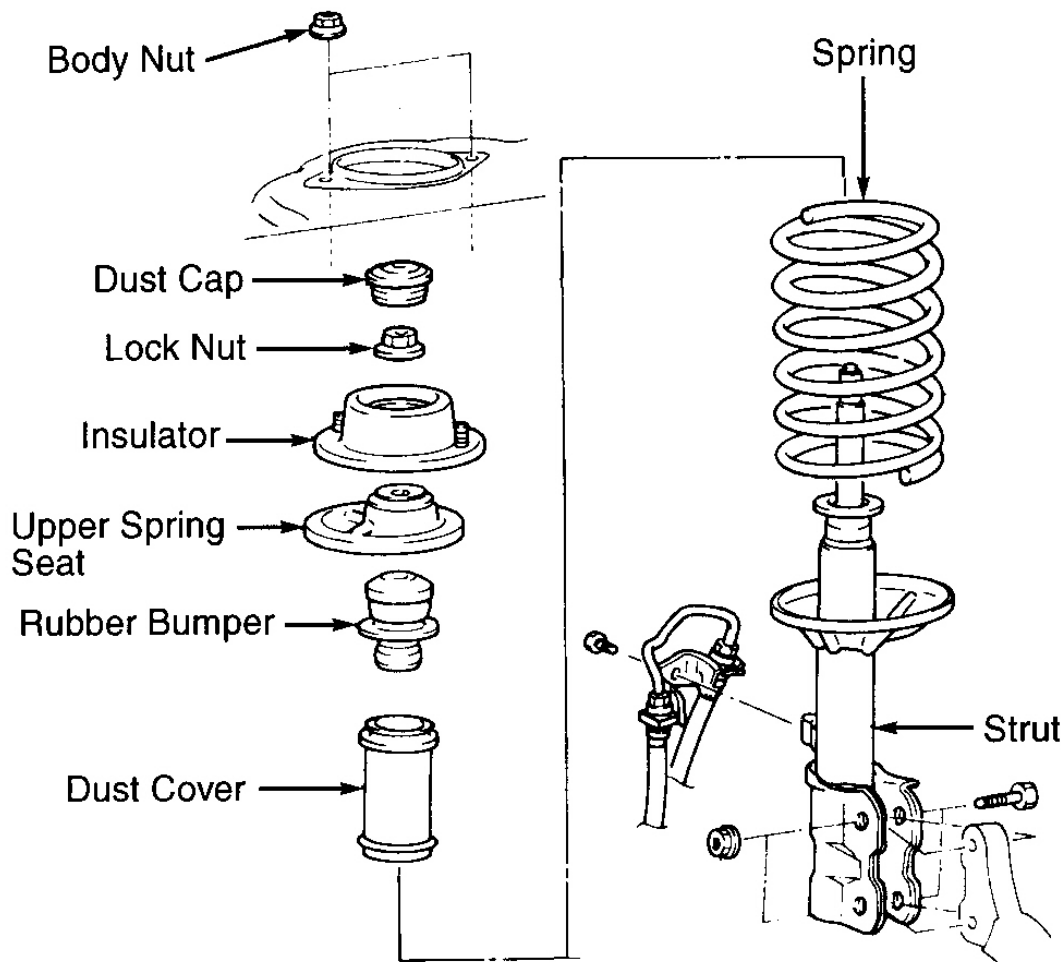


STRUT ASSEMBLY**Removal**

1. Raise and support vehicle. Remove wheel assembly. Disconnect brakeline bracket from strut assembly. Support control arm. Remove strut-to-steering knuckle bolts. Separate strut from steering knuckle.
2. Remove dust cap from top of strut. See **Fig. 5** . Remove strut-to-body nuts. Remove strut assembly from vehicle. If no mark is present, mark bottom edge of coil spring for reassembly reference.



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Fig. 5: Exploded View Of Strut Assembly (Elantra & Tiburon Shown; Others Are Similar)
 Courtesy of HYUNDAI MOTOR CO.

Disassembly

Mount strut assembly in vise. Compress coil spring using coil spring compressor. Remove self-locking bearing

nut with Spanner Wrench while holding upper spring seat. See **SPECIAL TOOLS** table. Remove insulator and spring seat. Remove rubber bumper and dust cover. See **Fig. 5** . Slowly release coil spring compressor tension. Remove coil spring.

Inspection

Check parts for deterioration or damage. Check strut assembly for leaks and proper operation. Replace strut if fluid leakage exists. Replace worn or damaged parts.

Reassembly

1. To reassemble, reverse disassembly procedure. Place coil spring identification mark toward knuckle. Ensure "D" shaped upper seat hole is aligned with notch in piston rod. Align coil spring ends in spring seat grooves.
2. Pack insulator bearing with grease and install dust cap. Avoid getting grease on insulators. Compress coil spring. Install rubber bumper and dust cover, spring seat and insulator. Using spanner wrench, tighten strut piston assembly lock nut to specification. See **TORQUE SPECIFICATIONS** .

Installation

To install, reverse removal procedure. Ensure strut assembly and steering knuckle mating surfaces are clean. Tighten fasteners to specification. Check front end alignment. See **SPECIFICATIONS & PROCEDURES** article in WHEEL ALIGNMENT.