

Front Suspension

VOLKSWAGEN RABBIT & SCIROCCO

Rabbit
Scirocco

DESCRIPTION

Vehicles are equipped with front wheel drive and independent strut type front suspension. Axles are supported by lower control arms, and vertically mounted strut assemblies. Strut assemblies consist of double action shock absorbers with coil springs mounted over the outside. The top portion of strut is attached to inner fender panel and lower portion is attached directly to steering knuckle. Tie rods are connected to steering knuckle.

ADJUSTMENT

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

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

WHEEL BEARING ADJUSTMENT

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

BALL JOINT CHECKING

See *Ball Joint Checking* in *WHEEL ALIGNMENT* Section.

REMOVAL & INSTALLATION

STRUT & COIL SPRING ASSEMBLY

Removal — Raise vehicle, support with safety stands, then remove wheel and tire. Disconnect brake hose and plug open-

ing to prevent dirt from entering system. Remove strut-to-steering knuckle attaching bolts. Remove strut-to-fender attaching nuts, and remove strut assembly from vehicle.

Installation — To install, reverse removal procedure and tighten all nuts and bolts. Bleed brake system.

CONTROL ARM

Removal — Raise vehicle, support with safety stands, then remove wheel and tire. Remove left front engine mount. Remove rear mount nut and remove mount support. Position a support bar to support engine. Remove control arm attaching bolts. Disconnect ball joint from steering knuckle and remove control arm from vehicle.

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

TIGHTENING SPECIFICATIONS

| Application | Ft. Lbs.(mkg) |
|--------------------------------------|---------------|
| Ball Joint-to-Control Arm | 18(2.5) |
| Ball Joint-to-Steering Knuckle | 21(3) |
| Strut Assembly-to-Fender | 14(2) |
| Strut Assembly Center Nut | 58(8) |
| Control Arm Attaching Bolt | |
| Front | 43(6) |
| Rear | 32(4.5) |

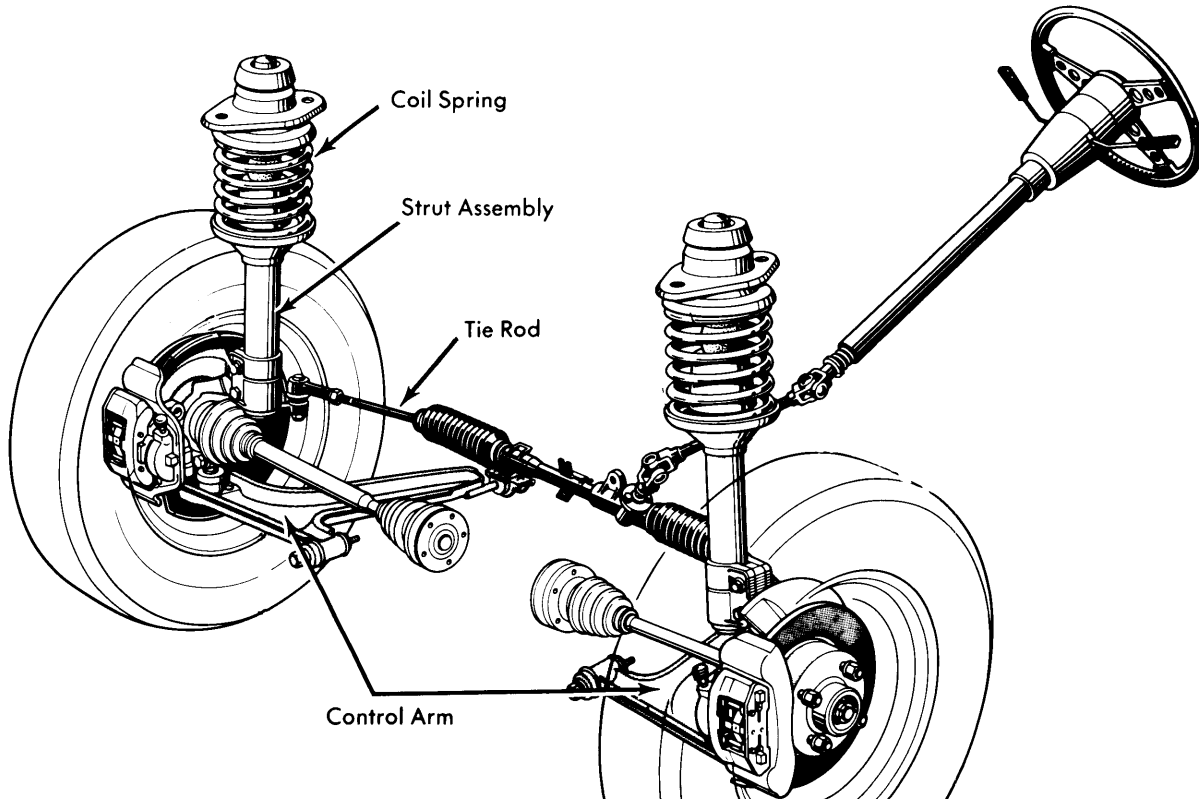


Fig. 1 Rabbit & Scirocco Front Suspension Assembly