

## SUSPENSION - REAR (4WD)

### Article Text

1987 Volkswagen Quantum/Quantum Syncro

For Volkswagen Technical Site

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Sunday, March 19, 2000 01:53AM

### ARTICLE BEGINNING

1987 Rear Suspension

VOLKSWAGEN

Quantum/Quantum Syncro

### DESCRIPTION

Suspension is an independent system using lower control arms, strut assemblies, and a stabilizer bar. See Fig. 1.

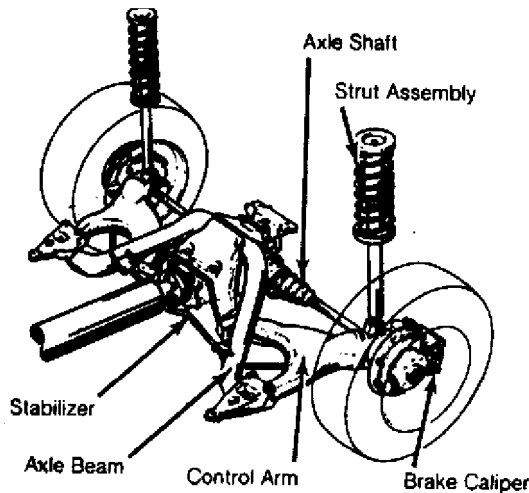


Fig. 1: Quantum Syncro Rear Suspension  
Courtesy of Volkswagen United States, Inc.

### ADJUSTMENTS & INSPECTION

#### WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

See WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES in WHEEL ALIGNMENT section.

#### WHEEL BEARING

Wheel bearings are not adjustable.

### REMOVAL & INSTALLATION

#### WHEEL BEARING

Removal

1) Remove control arm. See CONTROL ARM section in this article.

2) Remove splash shield screws and shield. Press out wheel hub using Housing Support (3110) and Press Adapters (VW-295) and

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(VW-295a). Using snap ring pliers, remove 2 snap rings. Press out wheel bearing using housing support and Press Adapter (40-20).

#### **Installation**

1) Install new snap ring in hub and coat bearing surface with grease. Press in new bearing using same tools as pressing out. Install snap ring. Press wheel hub into bearing using Support Plate (VW-402), Bearing Support (VW-519), and Press Adapters (VW-411) and (VW-432).

2) To complete installation, reverse removal procedure. Always replace axle shaft self-locking nut. Tighten all bolts to specification. See TIGHTENING SPECIFICATIONS table.

## **STRUT ASSEMBLY**

#### **Removal**

1) With vehicle on floor, remove upper strut plastic cap and remove strut attaching nuts.

2) Slowly raise vehicle until weight is off spring. Remove lower strut mounting bolt. Remove strut.

#### **Disassembly**

Place strut assembly in vice. Hold piston rod and remove nut and take off components, spacer and coil spring.

#### **Reassembly**

To assemble, reverse disassembly procedure.

#### **Installation**

To install, reverse removal procedure. Tighten all bolts to specification.

## **CONTROL ARM**

#### **Removal**

1) Remove hub cover and axle nut. Raise and support vehicle. Remove wheel assembly, brake caliper mounting bolts and caliper. Remove brake disc.

2) Support control arm with floor jack and remove lower strut mounting bolt. Remove stabilizer bracket and 2 control arm pivot bolts. Support axle shaft and lower control arm slightly to allow control arm to be pulled off axle shaft.

#### **Installation**

To install, reverse removal procedure. Tighten axle shaft nut and control arm pivot bolts to specification with vehicle on ground. Always replace axle shaft self-locking nut.

**END OF ARTICLE**