

Front Suspension

1962-71 RENAULT DAUPHINE, R-8, R-10 & CARAVELLE

Dauphine R-1090 (1962-63)
 Dauphine R-1094 (1963-66)
 Dauphine R-1095 (1963-67)
 R-8 R-1130 (1963-67)
 Caravelle R-1131 (1963-65)
 R-8 R-1132 (1965-66)
 Caravelle R-1133 (1965-67)
 R-10 R-1190 (1967-69)
 R-10 R-1192 (1970-71)

DESCRIPTION

Independent type front suspension with coil springs. Coil springs and shock absorbers are mounted between upper and lower control arms. Steering knuckle is supported by control arms. Stabilizer bar is attached to lower control arms.

ADJUSTMENT

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

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

WHEEL BEARINGS

See *Wheel Bearings* in *WHEEL ALIGNMENT* Section.

BALL JOINT CHECKING

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

REMOVAL & INSTALLATION

FRONT SUSPENSION ASSEMBLY

Removal — Raise and support vehicle. Disconnect stabilizer bar from lower control arm. Remove wheel and disconnect upper shock absorber attaching nut. Remove shock absorber lower mounting bracket nuts and remove shock absorber with bracket attached. Disconnect steering linkage and install spring compressor. Remove four bolts securing lower control arm, rotate arm down, remove spring compressor and spring. Remove bolts securing upper control arm and remove suspension assembly.

Installation — To install, reverse removal procedure and tighten all nuts and bolts. Bleed and adjust brakes and check wheel alignment.

COIL SPRINGS

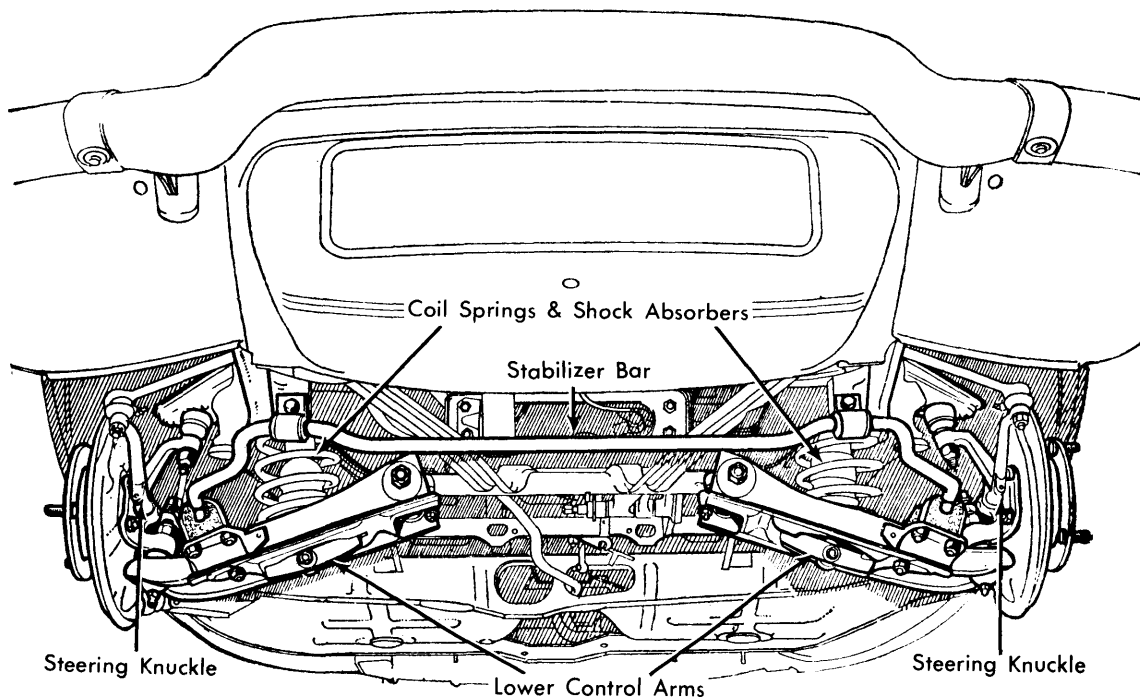
Removal — Raise and support vehicle. Remove shock absorber and stabilizer bar. Install spring compressor and remove bolts securing lower control arm to crossmember. Rotate lower control arm down and remove spring.

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

STABILIZER BAR

Removal — Remove nuts and bolts securing stabilizer bar to frame and lower control arms. Remove stabilizer bar.

Installation — Inspect all parts for signs of excessive wear or damage and replace as necessary. To install, reverse removal procedure and tighten all nuts and bolts.



FRONT SUSPENSION ASSEMBLY

2RE02

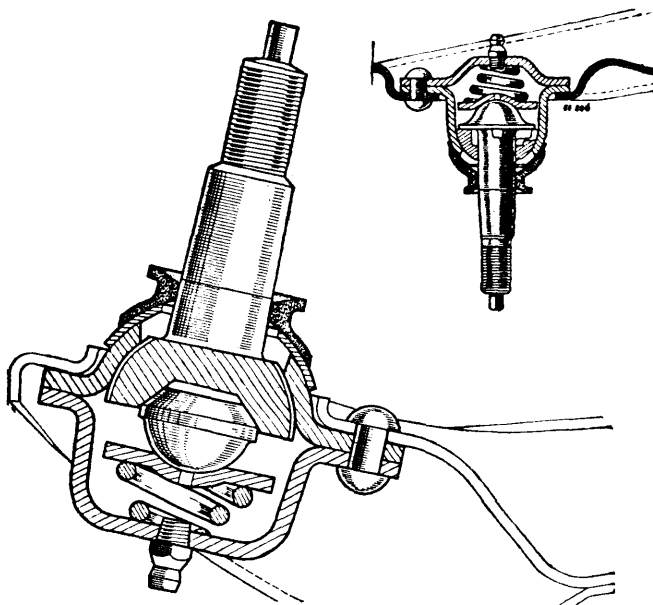
1962-71 RENAULT DAUPHINE, R-8, R-10 & CARAVELLE (Cont.)

UPPER & LOWER BALL JOINTS

NOTE — The Dauphine R-1094 & R-1095 models do not have ball joints (see illustration).

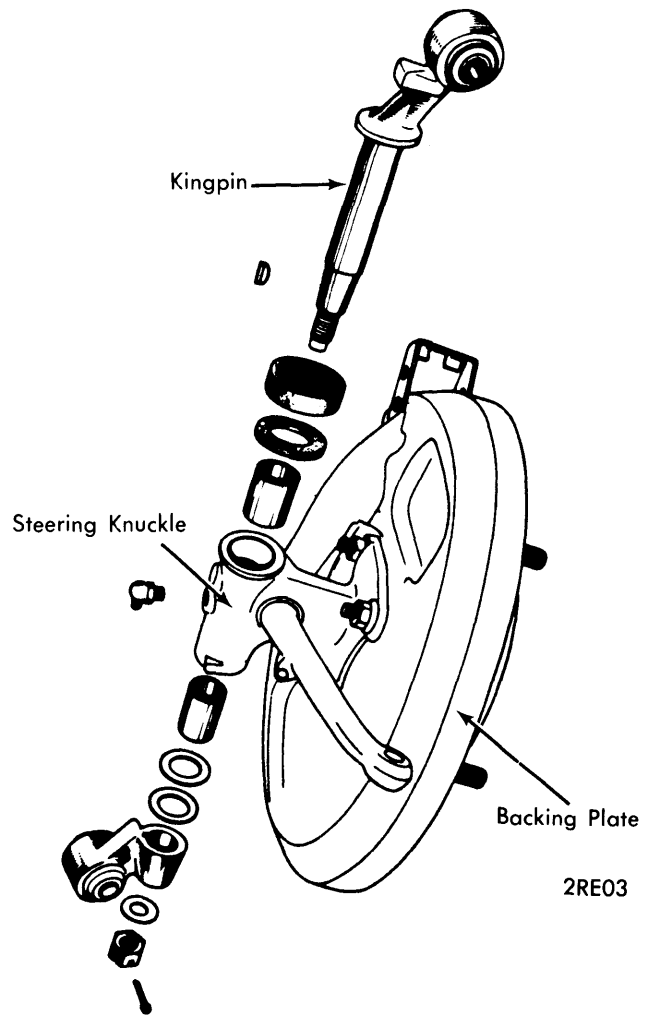
Removal — Raise and support vehicle. Remove wheel and disconnect steering linkage. Remove bolts attaching steering housing to crossmember. Remove wheel cylinder. **NOTE** — Do not disconnect brake hose at cylinder. Disconnect and remove stabilizer bar and shock absorber. Install spring compressor and remove four lower bearing fastening bolts. Remove nuts securing ball joints. Using suitable tool (T.Av55A) fitted between ends of ball joints, free ball joints. Remove tool and remove steering knuckle. Drill out rivets securing ball joint and remove ball joint.

Installation — Replace rivets with bolts and nuts. Reverse removal procedure and tighten all nuts and bolts. Bleed brakes and check wheel alignment.



2RE01

BALL JOINT ASSEMBLY
(ALL EXC. DAUPHINE R-1094 & R-1095)



KINGPIN & BUSHING ASSEMBLY
(DAUPHINE R-1094 & R-1095)

TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs.
Upper Control Arm-to-Body	40-54
Lower Control Arm-to-Crossmember.....	62-74
Steering Link Connecting Pin.....	15-22
Stabilizer Bar-to-Lower Control Arms	7-11
Stabilizer Bar-to-Body.....	15-21