SUSPENSION - REAR

1992 Infiniti G20

1991-92 SUSPENSION
Rear

G20

DESCRIPTION

G20 uses an independent rear suspension system with parallel link and radius rod. This system also uses a stabilizer bar. The rear wheels are supported by a shock absorber assembly attached to vehicle body. See Fig. 1.

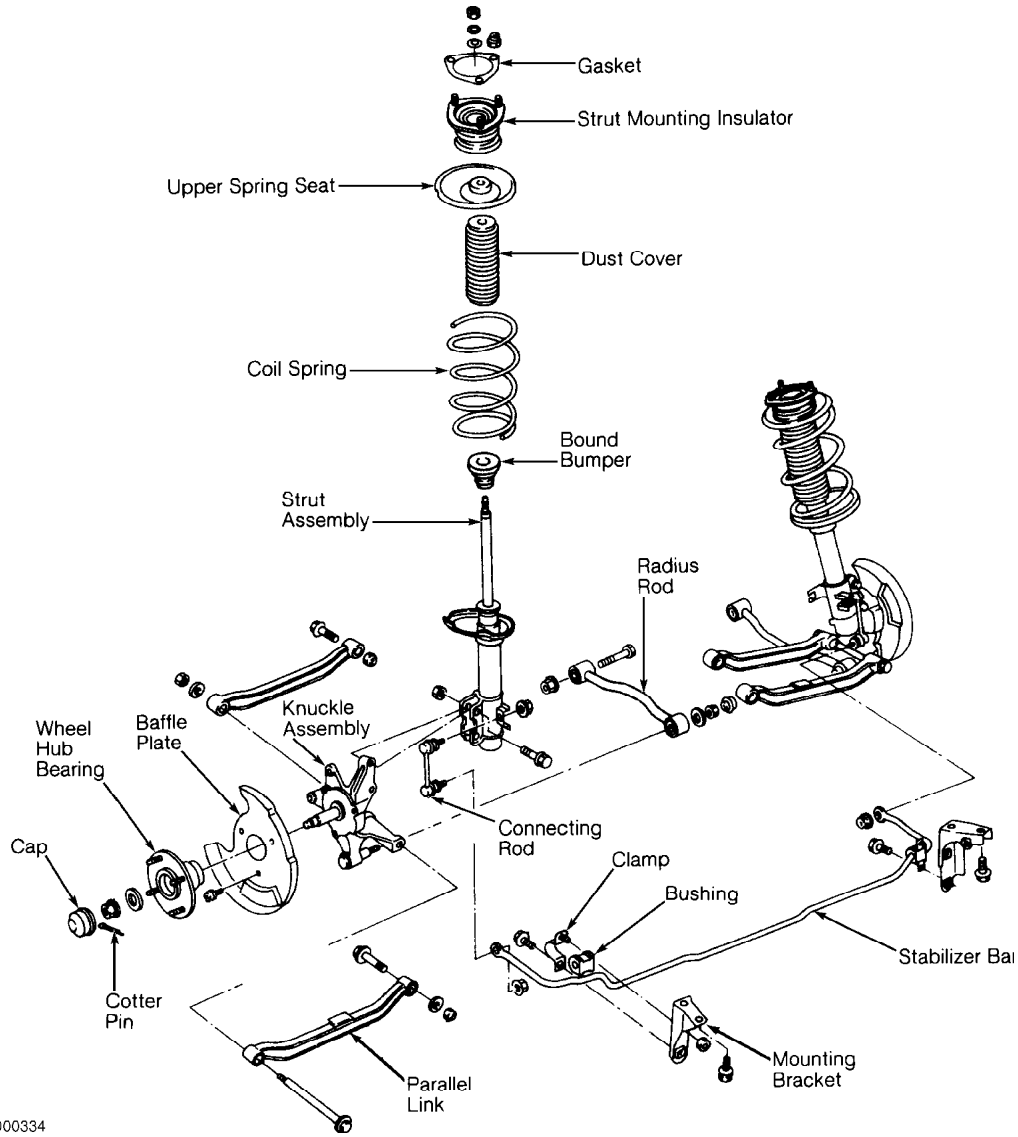

Fig. 1: Exploded View of Rear Suspension
Courtesy of Nissan Motor Co., U.S.A.

ADJUSTMENTS & INSPECTION

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

NOTE: See SPECIFICATIONS & PROCEDURES article in the WHEEL ALIGNMENT Section.

WHEEL BEARING

Check wheel bearing for smooth rotation and axial play. Axial play should not exceed .002" (.05 mm).

RIDING HEIGHT

RIDING HEIGHT SPECIFICATIONS TABLE (1)

Application	Front In. (mm)	Rear In. (mm)
G20	25.71 (653)	25.35 (644)

(1) - Measured from top of wheel well.

REMOVAL & INSTALLATION

STABILIZER BAR

Removal & Installation

Remove connecting rods, clamps and bushings. See Fig. 1. To install, reverse removal procedure. See TORQUE SPECIFICATIONS table at end of article.

HUB & KNUCKLE ASSEMBLY

Removal & Installation

1) Remove brake caliper assembly and rotor. DO NOT disconnect brake hose. Remove wheel bearing lock nut. Remove brake caliper assembly and rotor. Separate tie-rod from knuckle. Remove kingpin cap and nut. Separate kingpin from knuckle.

2) Using a piece of wood and hammer, separate drive shaft from knuckle. Remove ball joint nut. Separate ball join from knuckle. To install, reverse removal procedure. See TORQUE SPECIFICATIONS table at end of article.

WHEEL BEARING

Removal & Installation

Remove brake caliper assembly and rotor. Brake hose does not need to be removed from brake caliper. Remove wheel bearing lock nut. See Fig. 2. To install, reverse removal procedure. Torque wheel bearing lock nut. See TORQUE SPECIFICATIONS table at end of article.

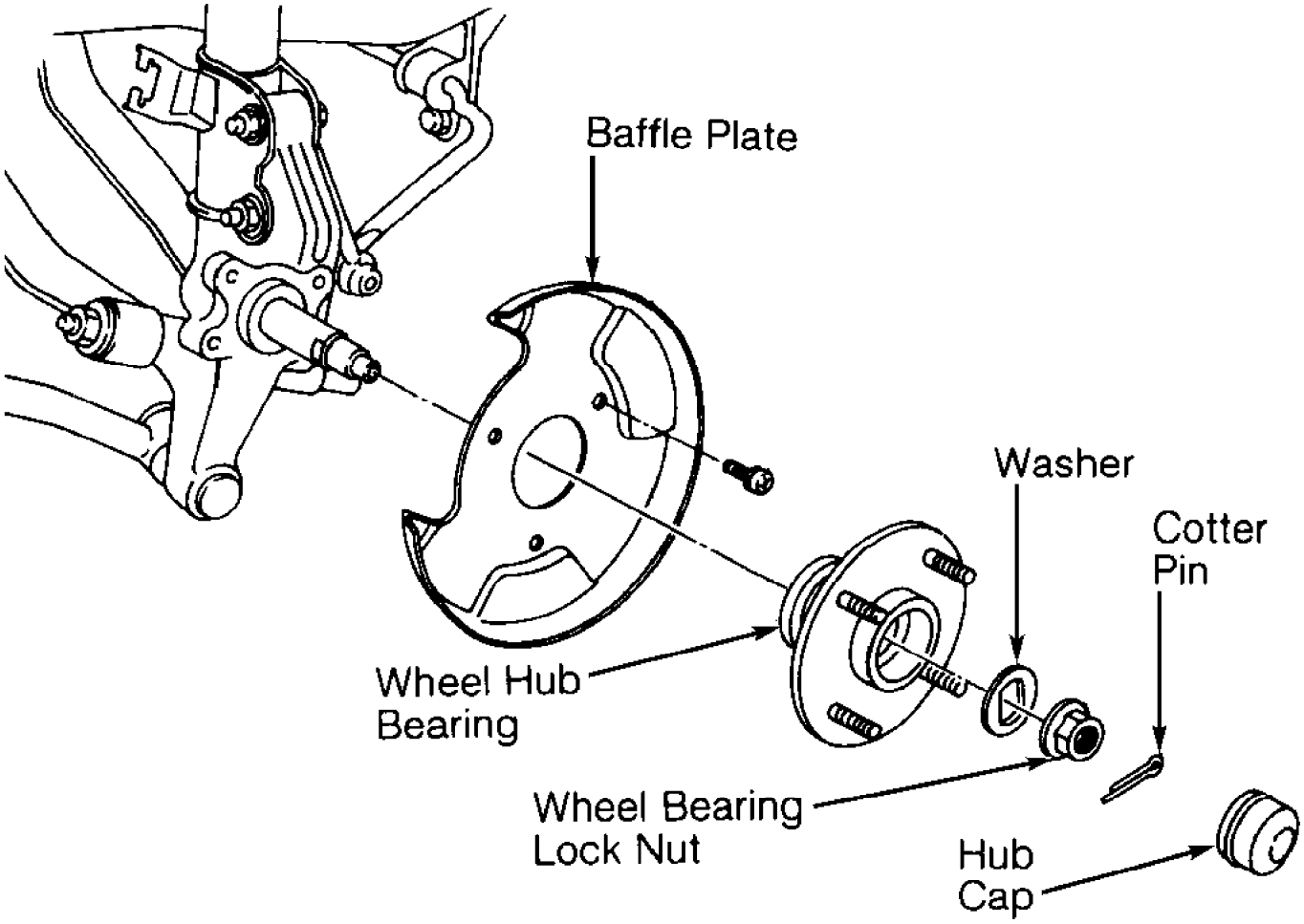

Fig. 2: Exploded View of Wheel Hub Assembly
Courtesy of Nissan Motor Co., U.S.A.

STRUT ASSEMBLY

Removal

1) Raise and support vehicle. Remove brake caliper assembly and rotor. Remove parallel link fixing bolt, radius rod fixing bolt, stabilizer fixing bolt and stabilizer connecting rod. See Fig. 1.

2) Remove rear seat. Remove strut retaining nuts. Pull out strut assembly. Set strut assembly in vise and loosen (DO NOT remove) piston rod lock. Compress spring so strut mounting insulator can be turned by hand. Remove piston rod lock nut. Remove spring and spring compressor.

NOTE: Two types of struts are used with different piston rod diameters. Piston rod diameter may be .71" (18 mm) or .79" (20 mm). Rebound rubber bumpers are not interchangeable and should be replaced with strut assembly.

Installation

When installing coil spring on strut, ensure there are 2 color identification marks on lower side. Tighten lock nut after placing coil spring in position on lower spring seat. Gradually release spring pressure.

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

Application	Ft. Lbs. (N.m)
Connecting Rod-To-Strut Nut	30-35 (41-47)
Parallel Link Bushing Bolts	80-94 (108-127)
Radius Rod Bushing Bolt	65-80 (88-108)
Stabilizer Bar Clamp Nut	23-31 (31-42)
Strut Lower Bolt	72-87 (98-118)
Strut Mounting Insulator Nut	31-40 (42-54)
Strut Upper Nut	44-58 (59-78)
Wheel Bearing Lock Nut	137-188 (186-255)
	INCH Lbs. (N.m)
Baffle Plate Bolt	89-124 (10-14)