REAR AXLE & REAR SUSPENSION

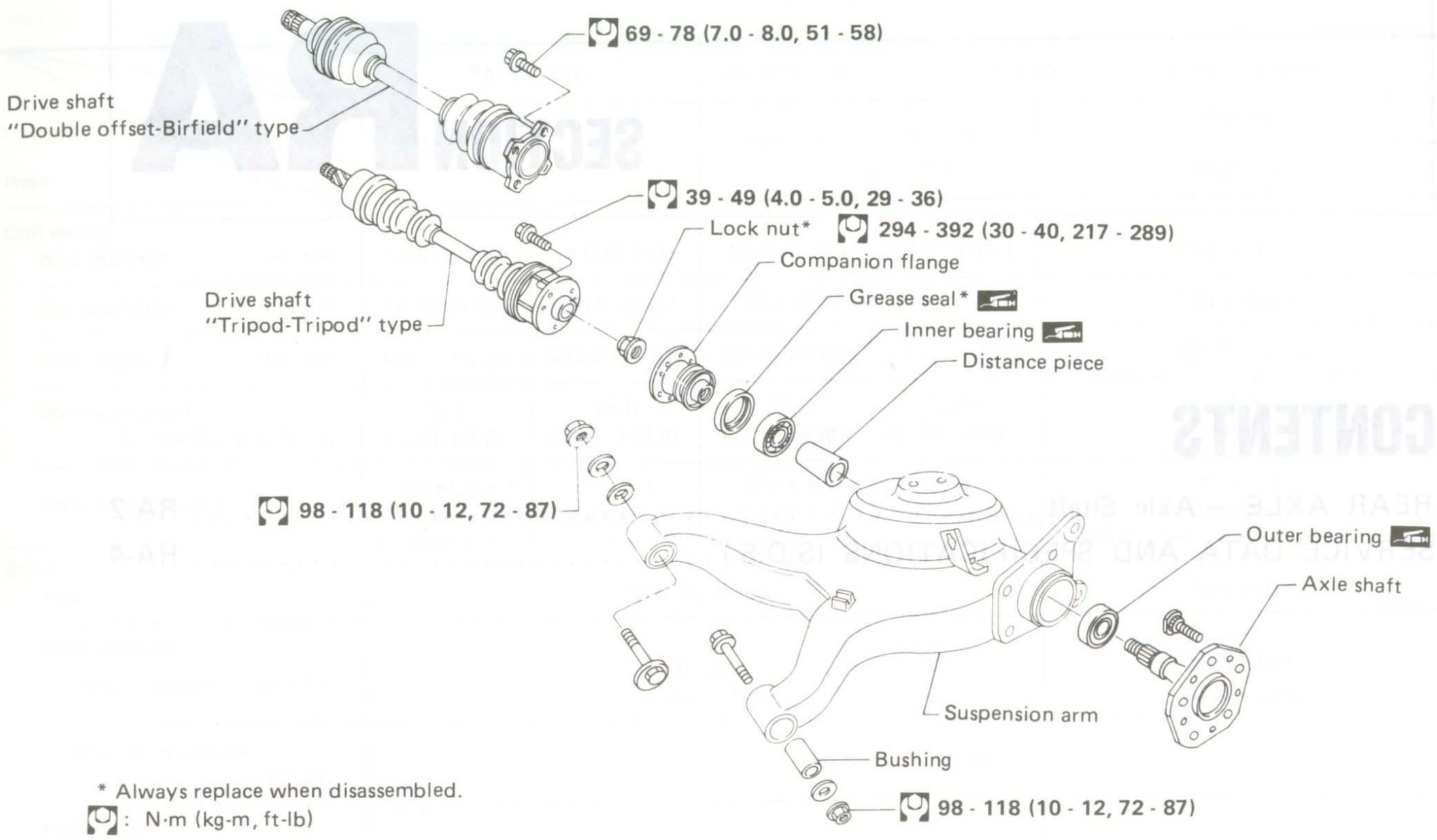
SECTION RA

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RA

REAR AXLE—Axle Shaft

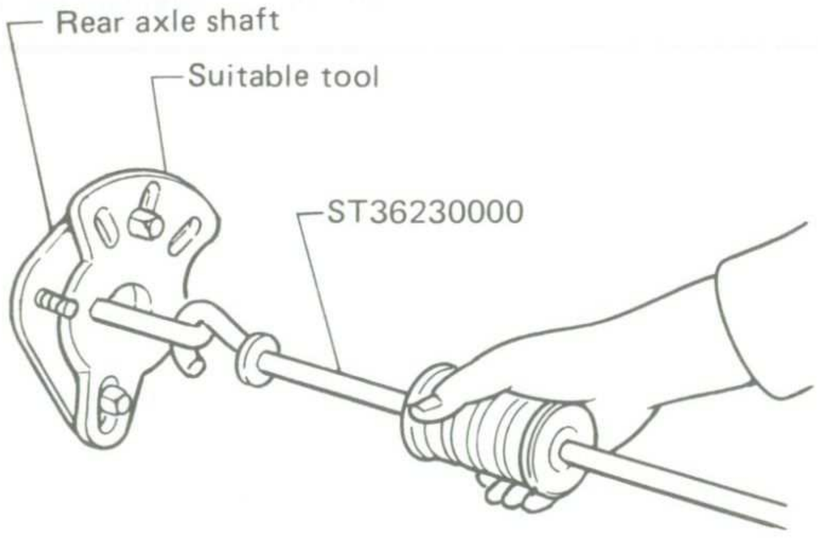


* Always replace when disassembled.
: N·m (kg-m, ft-lb)

SRA959

Removal

- Disconnect drive shaft. Refer to Drive Shaft for removal and installation.
- Remove wheel bearing lock nut with parking brake engaged or brake pedal depressed.
- Remove brake caliper and rotor. Refer to Section BR.
- Draw out rear axle shaft with Tool.



SRA444

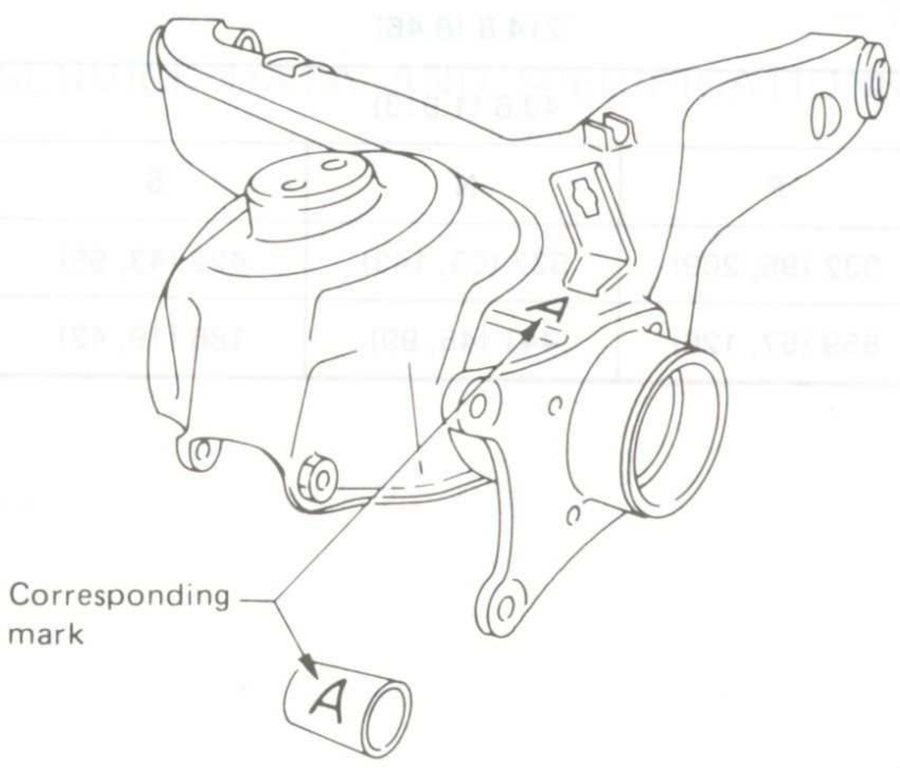
Inspection

Check rear axle shaft for cracks, wear or deformation. Replace if necessary.

Installation

- Wheel bearings are sealed type. When installing, make sure that the sealed side of outer bearing faces the axle shaft flange and that the sealed side of inner bearing faces the companion flange.
- Select a distance piece according to the chart below.

Bearing housing (Suspension arm)	Distance piece	Dimension of distance piece mm (in)
A	A	55.82 - 55.88 (2.1976 - 2.2000)
No mark	B	55.92 - 55.98 (2.2016 - 2.2039)
C	C	56.02 - 56.08 (2.2055 - 2.2079)

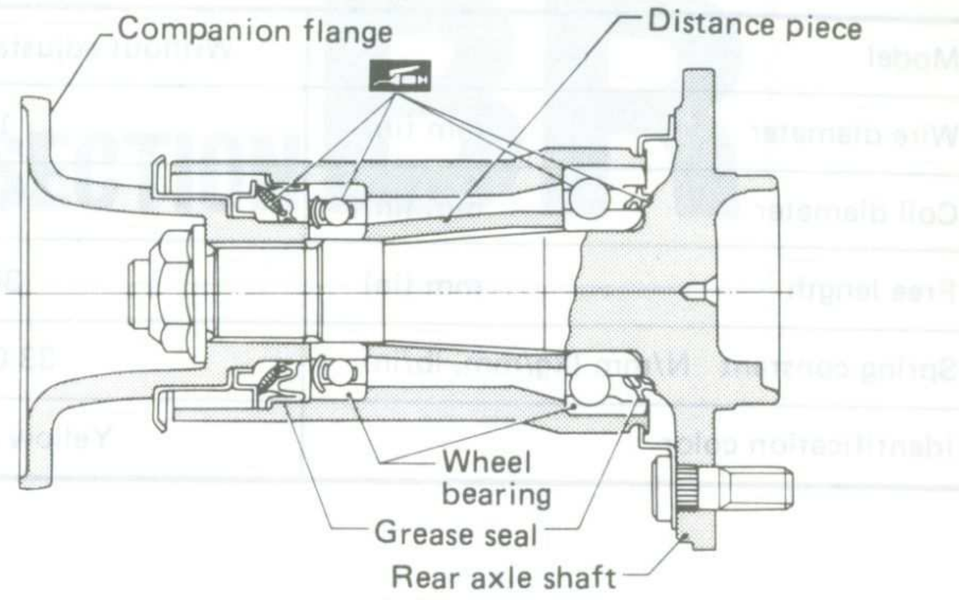


SRA445

When a distance piece is reused, make sure that both ends are not collapsed or deformed.
When installing, make sure that larger side faces axle shaft flange.

- Fill the portions indicated below with recommended multi-purpose grease.

CAUTION:
Keep grease away from lock nut thread portion and seating surface.



SRA885

- Measure rear wheel bearing preload after installing rear axle shaft.

Rear wheel bearing preload:
Less than 0.7 N·m (7 kg-cm, 6.1 in-lb)
At hub bolt:
Less than 12.06 N (1.23 kg, 2.71 lb)

SERVICE DATA AND SPECIFICATIONS (S.D.S.)

General Specifications

COIL SPRING

Model	Without adjustable shock absorber model	With adjustable shock absorber model
Wire diameter mm (in)	13.9 (0.547)	13.8 (0.543)
Coil diameter mm (in)	111.9 (4.41)	111.8 (4.40)
Free length mm (in)	348.5 (13.72)	336.5 (13.25)
Spring constant N/mm (kg/mm, lb/in)	33.0 (3.36, 188.2)	33.0 (3.36, 188.2)
Identification color	Yellow green x 1, Red x 2	Purple x 1, Yellow x 2

SHOCK ABSORBER

Model		VG30ET for Europe	Except VG30ET for Europe			
Type		Non-adjustable		Adjustble		
Piston diameter	mm (in)	25 - 25.1 (0.984 - 0.988)		32 - 32.1 (1.260 - 1.264)		
Piston rod diameter	mm (in)	12.5 (0.492)		22 (0.87)		
Stroke	mm (in)	217.0 (8.54)		214.8 (8.46)		
Cylinder diameter	mm (in)	38.1 (1.500)		48.6 (1.913)		
Damping force [at 0.3 m (1.0 ft)/sec.]				F	N	S
Expansion	N (kg, lb)	824 (84, 185)	637 (65, 143)	932 (95, 209)	637 (65, 143)	422 (43, 95)
Compression	N (kg, lb)	402 (41, 90)	441 (45, 99)	559 (57, 126)	441 (45, 99)	186 (19, 42)

STABILIZER BAR

Diameter	mm (in)	22.2 (0.874)