REAR AXLE & REAR SUSPENSION

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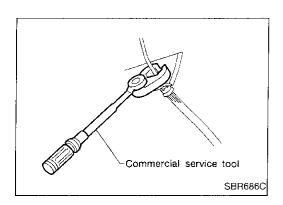
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Precautions

- When installing rubber parts, final tightening must be carried out under unladen condition* with tires on ground.
 *: Fuel, radiator coolant and engine oil full. Spare tire,
 - jack, hand tools and mats in designated positions. Use flare nut wrench when removing or installing brake
- tubes.
 After installing removed suspension parts, check wheel alignment and adjust if necessary.
- Always torque brake lines when installing.

Special Service Tools

The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description	
KV40101000 (J25604-01) Axle stand	NT159	Removing rear axle shaft
ST36230000 (J25840-A) Sliding hammer	NT126	Removing rear axle shaft
ST38020000 (—) Bearing lock nut wrench	NT160	Removing wheel bearing lock nut
HT72480000 (J25852-B) Rear axle shaft bearing puller	NT161	Removing wheel bearing
ST37840000 (—) Rear axle shaft guide	NT162	Installing rear axle shaft

Tool name	Description		GI
 Flare nut crowfoot Torque wrench 		Removing and installing each brake piping	MA
	NT360	a: 10 mm (0.39 in)	- EM
Rear axle oil seal drift	c tt	Installing oil seal	- 13000
	ab	a: 74 mm (2.91 in) dia. b: 68 mm (2.68 in) dia.	LĜ
	NT163	c: 10 mm (0.39 in)	EC

Commercial Service Tools

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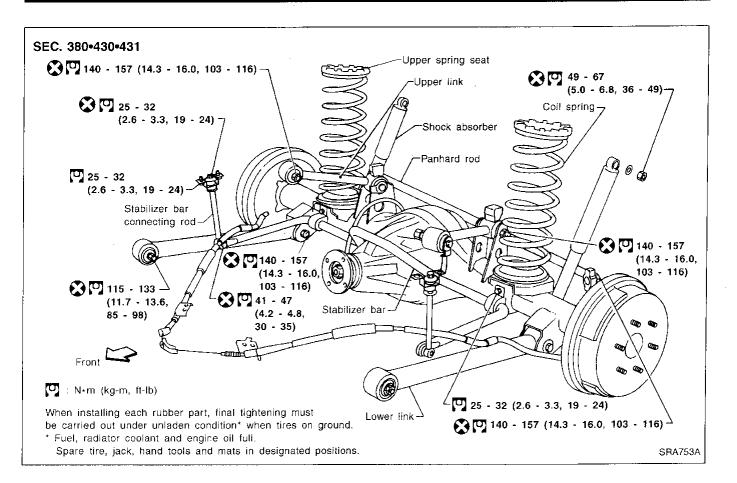
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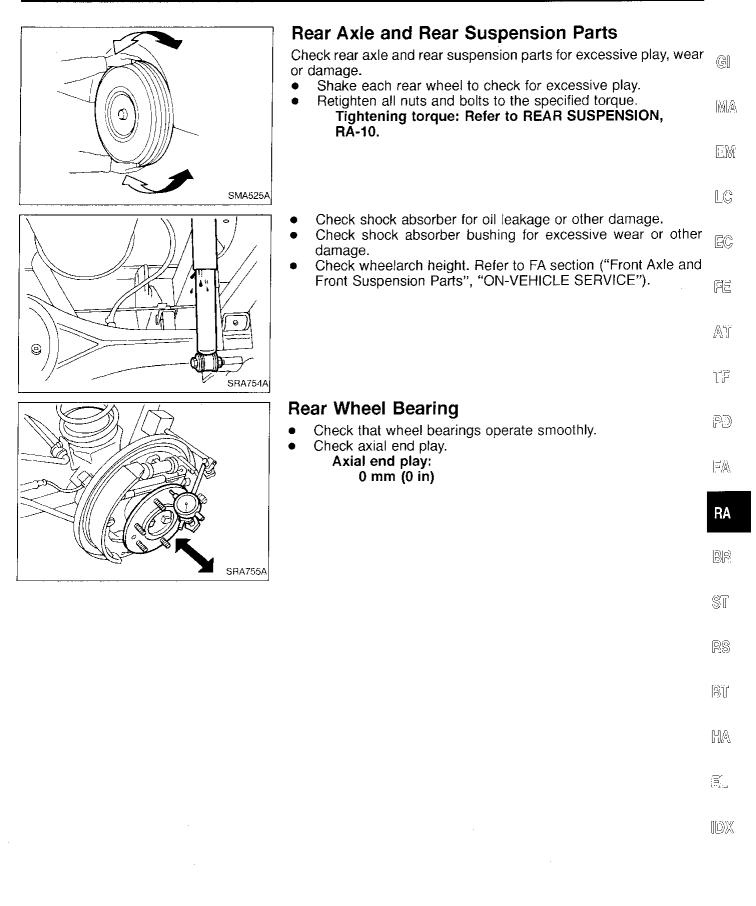
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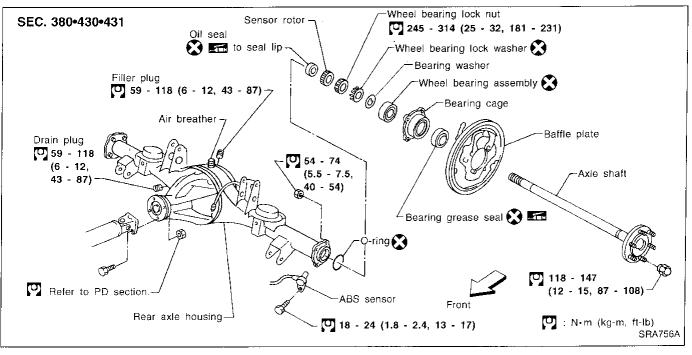
REAR AXLE AND REAR SUSPENSION





REAR AXLE

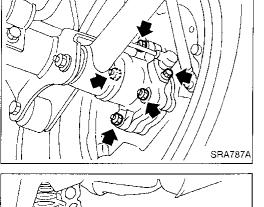
Components



Removal

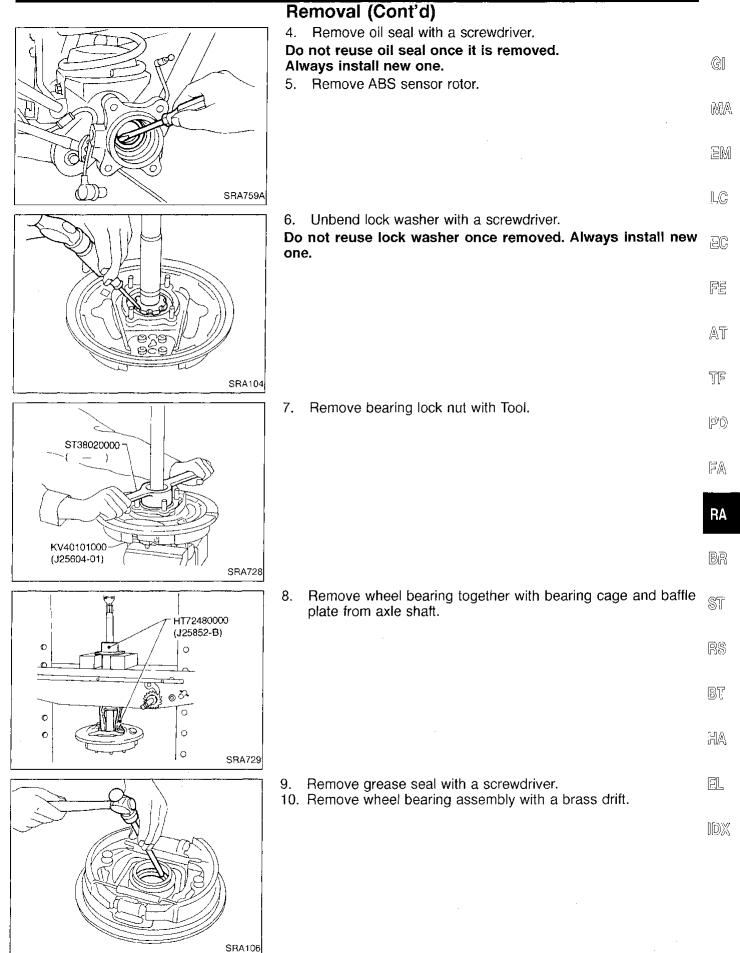
CAUTION:

- Before removing the rear axle, disconnect the ABS wheel sensor from the assembly. Then move it away from the axle. Failure to do so may result in damage to the sensor wires and the sensor becoming inoperative.
- Wheel bearing does not require maintenance.
- If growling noise is emitted from wheel bearing during operation, replace wheel bearing assembly.
- If the wheel bearing assembly is removed, it must be renewed. The old assembly must not be re-used.
- 1. Disconnect parking brake cable and brake tube.
- 2. Remove nuts securing wheel bearing cage with baffle plate.



ST36230000 (J25840-A) KV40101000 (J25604-01) 3. Draw out axle shaft with Tool. When drawing out axle shaft, be careful not to damage oil seal.

REAR AXLE



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Inspection

AXLE SHAFT

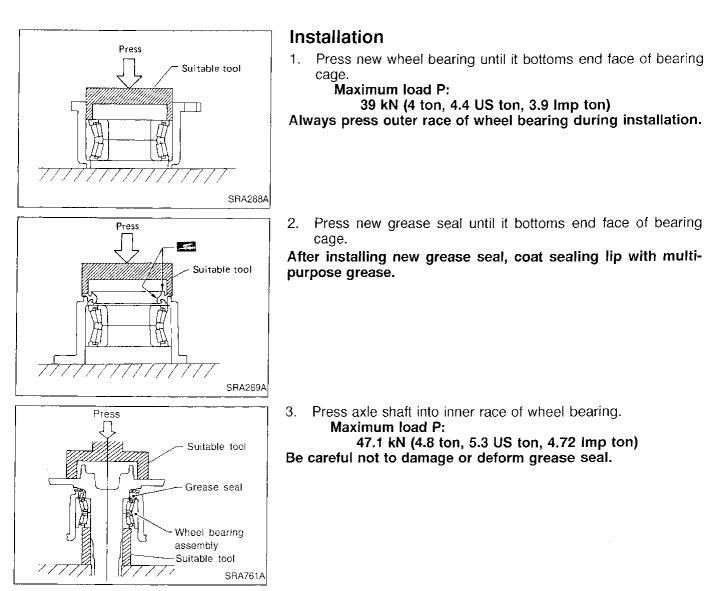
Check axle shaft for straightness, cracks, damage, wear or distortion. Replace if necessary.

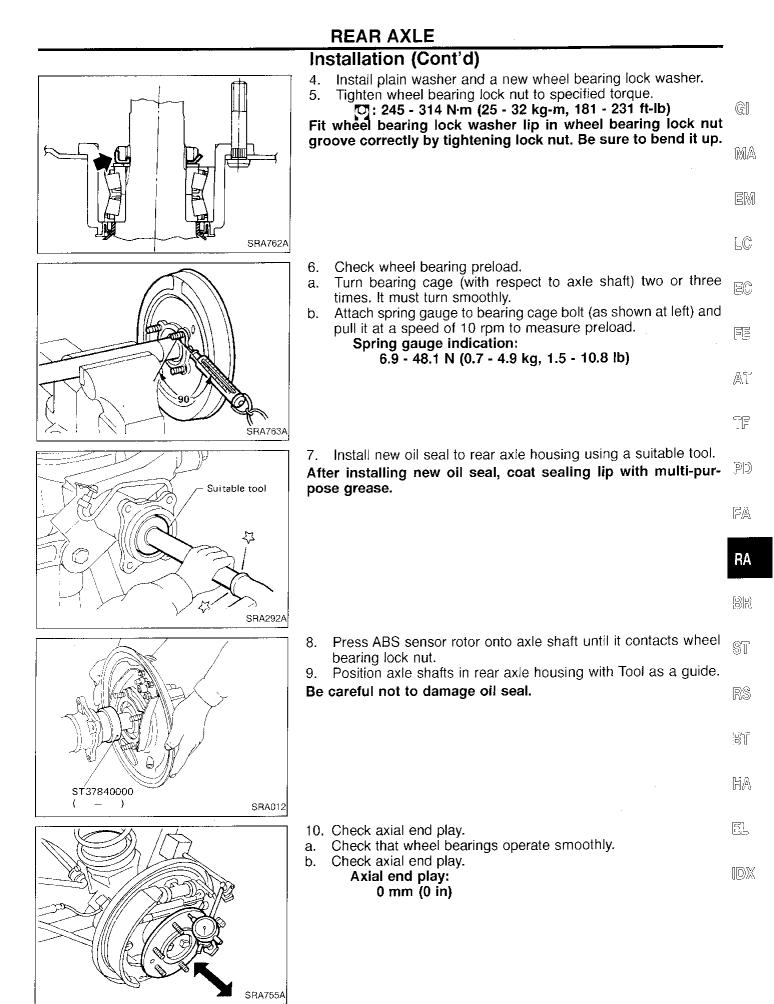
BEARING CAGE

Check bearing cage for deformation or cracks. Replace if necessary.

REAR AXLE HOUSING

Check rear axle housing for yield, deformation or cracks. Replace if necessary.



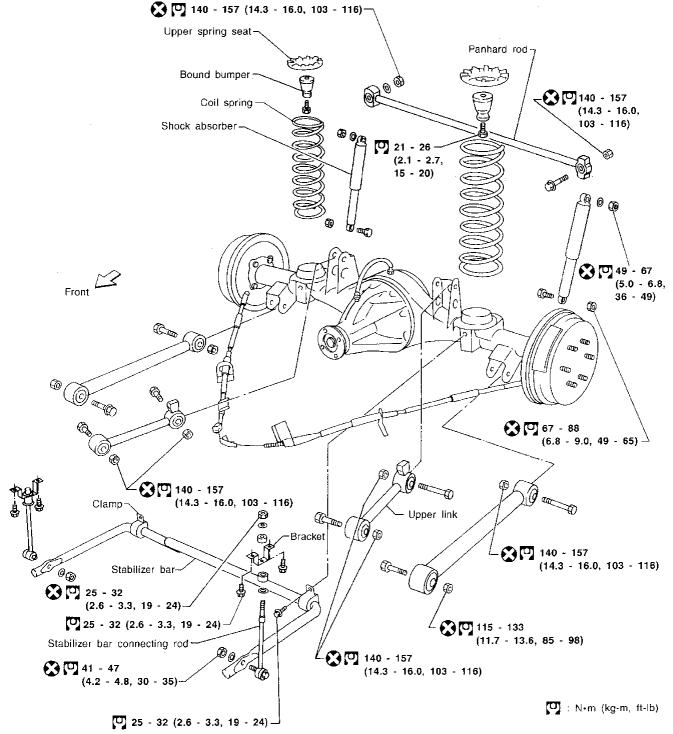




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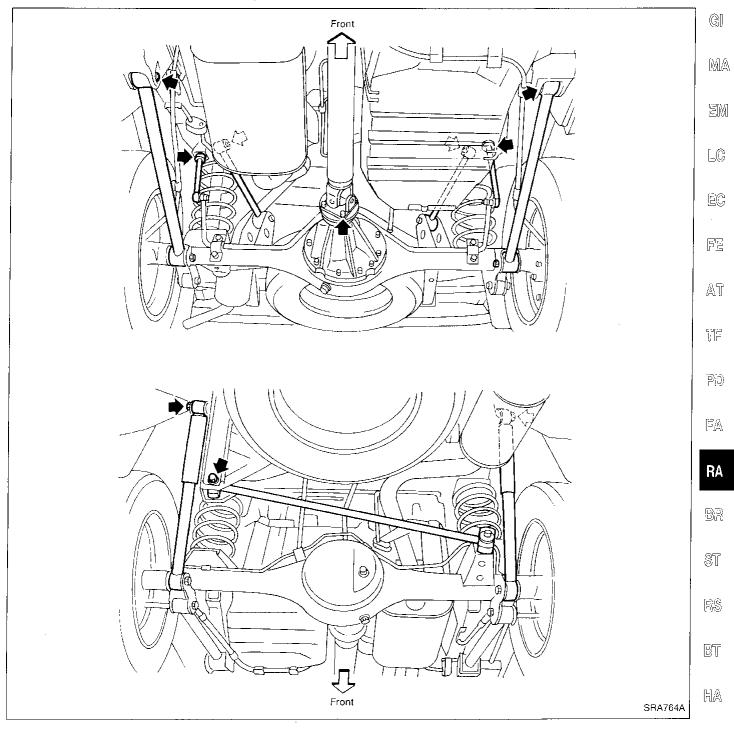
When installing rubber parts, final tightening must be carried out under unladen condition* with tires on ground.

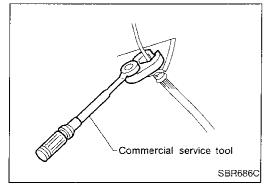
Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.



REAR SUSPENSION

Removal and Installation





- Support axle and suspension components with a suitable jack and block.
- Disconnect brake hydraulic line and parking brake cables at back plates.

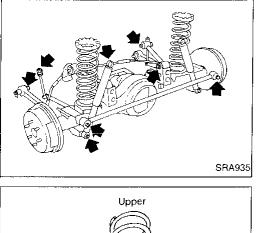
CAUTION:

- Use flare nut wrench when removing or installing brake tubes.
- Before removing the rear suspension assembly, disconnect the ABS wheel sensor from the assembly. Then move it away from the rear suspension assembly. Failure to do so may result in damage to the sensor wires and the sensor becoming inoperative.

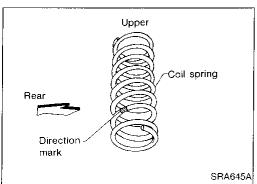
REAR SUSPENSION

Removal and Installation (Cont'd)

- Remove stabilizer bar from body.
- Remove upper links and lower links from body. .
- Remove panhard rod from body.
- Disconnect rear end of propeller shaft. Refer to PD section.
- Remove upper end nuts of shock absorber.



Final tightening for rubber parts requires to be carried out under unladen condition with tires on ground.



Coil Spring and Shock Absorber

REMOVAL AND INSTALLATION

Refer to "Removal and Installation", "REAR SUSPENSION", RA-11.

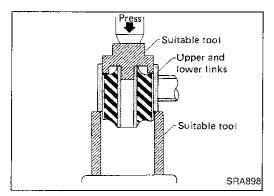
When installing coil spring, pay attention to its direction. Be sure spring rubber seat is not twisted and has not slipped off when installing coil spring.

INSPECTION

- Check coil spring for yield, deformation or cracks. •
 - Check shock absorber for oil leakage, cracks or deformation.
- Check all rubber parts for wear, cracks or deformation. Replace if necessary.

Upper Link, Lower Link and Panhard Rod INSPECTION

Check for cracks, distortion or other damage. Replace if necessary.



BUSHING REPLACEMENT

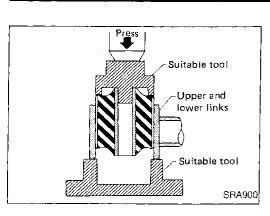
Check for cracks or other damage. Replace with suitable tool if necessary.

Remove bushing with suitable tool.

REAR SUSPENSION

Stabilizer Bar

REMOVAL AND INSTALLATION



Upper Link, Lower Link and Panhard Rod (Cont'd) When installing bushing, apply a coat of 1% soapy water to 6 outer wall of bushing. Always install new bushing. Do not tap end face of bushing directly with a hammer. MA EM 4C INSTALLATION When installing each link, pay attention to direction of nuts EC and bolts. When installing each rubber part, final tightening must be carried out under unladen condition with tires on ground. FE AT

- 172 PD When removing and installing stabilizer bar, fix portion A.
 - FA

RA

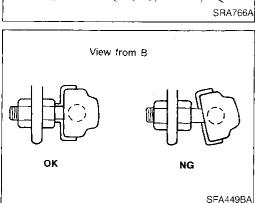
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- Install stabilizer bar with ball joint socket properly placed. 81.
- View from B ок NG

Stabilizer bar

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Stabilizer bar connecting rod

General Specifications

Suspension type	5-link type rigid with coil spring
Shock absorber type	Double-acting hydraulic
Stabilizer	Standard equipment

Inspection and Adjustment

WHEEL BEARING

Wheel bearing axial end play mm (in)	O (0)
Wheel bearing lock nut	
Tightening torque N·m (kg-m, ft-lb)	245 - 314 (25 - 32, 181 - 231)
Wheel bearing preload measured at bearing cage bolt N (kg, lb)	6.9 - 48.1 (0.7 - 4.9, 1.5 - 10.8)