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## PRECAUTIONS

## PRECAUTIONS

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### Precautions

EDS000VB

- When installing each rubber part, the final tightening must be carried out under unladen condition\* with the tires on the ground.
  - \* Fuel, radiator coolant and engine oil full. Spare tire, jack, hand tools and mats in designated positions.
- After installing the suspension components, check the wheel alignment.
- Do not jack up the vehicle at the rear lower link, front lower link, or the radius rod.

## PREPARATION

#### PREPARATION PFP:00002 А **Commercial Service Tools** EDS000VD Tool name Description В Power tool Loosening bolts and nuts đ ALLE FOR С 9 RAX PBIC0190E Ε F

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## NOISE, VIBRATION, AND HARSHNESS(NVH) TROUBLESHOOTING

## NOISE, VIBRATION, AND HARSHNESS(NVH) TROUBLESHOOTING NVH Troubleshooting Chart

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EDS000VE

Use the chart below to help you find the cause of the symptom. If necessary, repair or replace these parts.

Reference page			RSU-8, "Removal and Installation"	RSU-8. "Removal and Installation"	<u>RAX-5</u>	WT-2, "NVH Troubleshooting Chart"	WT-2, "NVH Troubleshooting Chart"
Possible cause and SUSPECTED PARTS		Improper installation, looseness	Parts interference	Wheel bearing damage	TIRES	ROAD WHEEL	
	ptom REAR AXLE	Noise	×	×		×	×
		Shake	×	×		×	×
Symptom		Vibration	×	×		×	
Cymptom		Shimmy	×	×		×	×
		Shudder	×			×	×
		Poor quality ride or handling	×	×	×	×	×

 $\times$ : Applicable

## WHEEL HUB

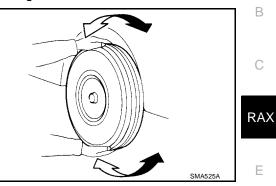
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#### EDS000VF

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## **On-Vehicle Service**

- Check the axle and suspension parts for excessive play, wear, or damage.
- Shake each rear wheel to check for excessive play as shown.

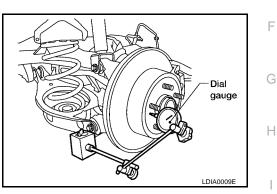


#### **REAR WHEEL BEARING**

• Check that the axial end play is within specification.

#### Axial end play : 0.1 mm (0.004 in) or less

- Check that the wheel hub bearings operate smoothly.
- Replace the wheel hub assembly if the axial end play is not within specification or the wheel hub assembly does not turn smoothly. Refer to <u>RAX-6, "Removal and Installation"</u>.

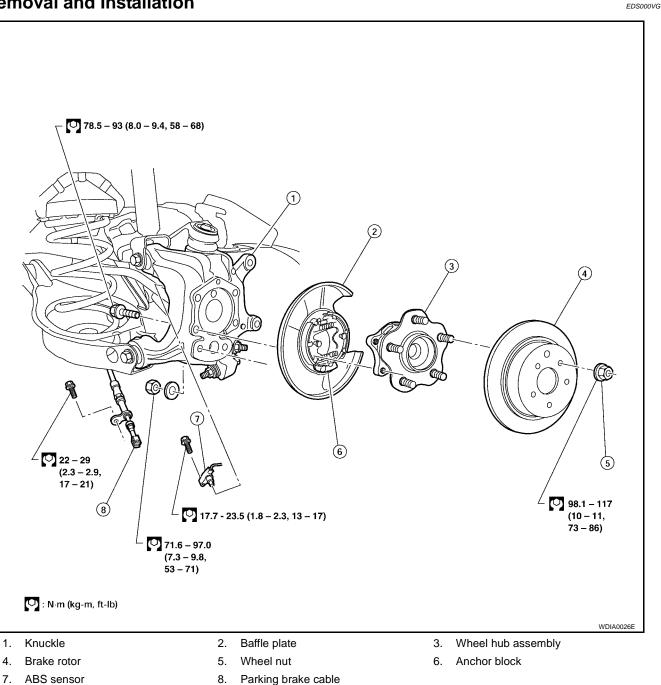


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### WHEEL HUB

#### **Removal and Installation**



#### REMOVAL

#### **CAUTION:**

Wheel hub assembly does not require maintenance. If any of the following symptoms are noted, replace the wheel hub assembly.

- A growling noise is emitted from the wheel hub assembly while driving. •
- The wheel hub assembly drags or turns roughly.
- 1. Remove the rear wheel and tire using power tool.
- 2. Remove the brake caliper assembly using power tool.
  - The brake hose does not need to be disconnected from the brake caliper.
  - Suspend the brake caliper assembly using wire, do not stretch the brake hose.
  - Do not depress the brake pedal, or the caliper piston will pop out.
  - Do not twist the brake hose.
- 3. Remove the brake rotor.

Revision: June 2004

## RAX-6

## WHEEL HUB

<ul> <li>4. Remove the rear ABS sensor, then move it away from the wheel hub assembly. CAUTION: <ul> <li>Failure to remove the ABS sensor may result in damage to the sensor wires and the sensor being inoperative.</li> </ul> </li> <li>5. Disconnect the parking brake cable from the parking brake. Refer to PB-2, "Removal and Installation".</li> <li>6. Remove the wheel hub assembly from knuckle.</li> </ul> INSPECTION AFTER REMOVAL C Check for any deformity, cracks, or damage on the wheel hub assembly, replace if necessary. INSTALLATION Installation is in the reverse order of removal. C Check that the wheel hub bearing axial end play is within specification. Axial end play : 0.1 mm (0.004 in) or less H	_		
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# SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS) PFP:000			
Wheel Hub Assembly (Rear)	EDS000VH		
Axial end play	0.1 mm (0.004 in) or less		