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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 and 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.

<table>
<thead>
<tr>
<th>Tool number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KV40101000 (J-25604-01)</td>
<td>Axle stand Removing rear axle shaft</td>
</tr>
<tr>
<td>ST36230000 (J-25840-A)</td>
<td>Slide hammer Removing rear axle shaft</td>
</tr>
<tr>
<td>KV40106500 (J-45073)</td>
<td>Rear axle bearing remover Removing wheel bearing Removed wheel bearing lock nut and ABS sensor rotor</td>
</tr>
<tr>
<td>— (J-46215)</td>
<td>Rear axle bearing installation kit Installing rear axle bearing</td>
</tr>
<tr>
<td>— (J-23907)</td>
<td>Seal and bushing puller Removing rear axle seal</td>
</tr>
</tbody>
</table>
## Commercial Service Tools

<table>
<thead>
<tr>
<th>Tool name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Flare nut crowfoot</td>
<td>Removing and installing each brake piping</td>
</tr>
<tr>
<td>2 Torque wrench</td>
<td>a: 10 mm (0.39 in)</td>
</tr>
<tr>
<td>Bearing cage oil seal drift</td>
<td>Installing oil seal</td>
</tr>
<tr>
<td></td>
<td>a: 74 mm (2.91 in) dia.</td>
</tr>
<tr>
<td></td>
<td>b: 68 mm (2.68 in) dia.</td>
</tr>
<tr>
<td>Rear axle oil seal drift</td>
<td>Installing oil seal</td>
</tr>
<tr>
<td></td>
<td>a: 54.5 mm (2.15 in.)</td>
</tr>
<tr>
<td></td>
<td>b: 34.5 mm (1.36 in.)</td>
</tr>
<tr>
<td>Power tools</td>
<td>Removing and installing nuts and bolts</td>
</tr>
</tbody>
</table>
# NOISE, VIBRATION, AND HARSHNESS (NVH) TROUBLESHOOTING

## NVH Troubleshooting Chart

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

### Reference page

<table>
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<tr>
<th>RAX-7</th>
<th>RAX-7</th>
<th>RAX-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR-3, &quot;NVH Troubleshooting Chart&quot;</td>
<td>PR-3, &quot;NVH Troubleshooting Chart&quot;</td>
<td>PR-3, &quot;NVH Troubleshooting Chart&quot;</td>
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<tr>
<td>REU-8, &quot;NVH Troubleshooting Chart&quot;</td>
<td>REU-8, &quot;NVH Troubleshooting Chart&quot;</td>
<td>REU-8, &quot;NVH Troubleshooting Chart&quot;</td>
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<tr>
<td>RSU-4, &quot;NVH Troubleshooting Chart&quot;</td>
<td>RSU-4, &quot;NVH Troubleshooting Chart&quot;</td>
<td>RSU-4, &quot;NVH Troubleshooting Chart&quot;</td>
</tr>
<tr>
<td>WT-4, &quot;NVH Troubleshooting Chart&quot;</td>
<td>WT-4, &quot;NVH Troubleshooting Chart&quot;</td>
<td>WT-4, &quot;NVH Troubleshooting Chart&quot;</td>
</tr>
<tr>
<td>BB-5, &quot;NVH Troubleshooting Chart&quot;</td>
<td>BB-5, &quot;NVH Troubleshooting Chart&quot;</td>
<td>BB-5, &quot;NVH Troubleshooting Chart&quot;</td>
</tr>
</tbody>
</table>

### Possible cause and SUSPECTED PARTS

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Noise</th>
<th>Shake</th>
<th>Vibration</th>
<th>Shimmy</th>
<th>Shudder</th>
<th>Poor quality ride or handling</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

×: Applicable
Rear Axle Parts

- Check the axle parts for excessive play, wear and damage. Replace as necessary.
- Shake each rear wheel to check for excessive play. Repair as necessary.
- Retighten all nuts and bolts to the specified torque. Refer to RAX-7, "AXLE SHAFT".

Rear Axle Bearing

- Check that the axle shaft bearing operates smoothly. Replace as necessary.
- Check axial end play. Refer to RAX-14, "Axle Specifications".
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 replaced. The old assembly must not be re-used.

REMOVAL

1. Remove the ABS wheel sensor from the axle case and reposition out of the way. Refer to BRC-39, "WHEEL SENSORS" (ABS), BRC-85, "WHEEL SENSORS" (ABLS/ABS), BRC-144, "WHEEL SENSORS" (VDC/TCS/ABS), BRC-214, "WHEEL SENSORS" (HDC/HSA/VDC/TCS/ABS).

2. Remove the rear brake caliper assembly without disconnecting the brake hose and reposition out of the way. Refer to BR-29, "Removal and Installation of Brake Caliper and Disc Rotor".

3. Remove the parking brake assembly from the back plate and torque member. Refer to PB-6, "Removal and Installation".

4. Remove the axle bearing nuts securing the axle shaft assembly to the axle case.

5. Draw the axle shaft assembly out of the axle case using Tools as shown.

   Tool number
   A : KV40101000 (J-25604-01)
   B : ST36230000 (J-25840-A)

6. Remove the O-ring.

7. Remove the axle oil seal using Tools as shown.

   Tool number
   A : — (J-26941 part of J-46215)
   B : — (J-23907)

   Do not reuse the axle oil seal once it is removed. Always install a new axle oil seal.

   Apply a constant pressure on the slide hammer while turning the slide hammer 180° degrees periodically while pulling the axle oil seal out.

8. Remove the ABS sensor rotor using Tool. Discard the ABS sensor rotor.

   Tool number : KV40106500 (J-45073)

   NOTE:
   Always replace the ABS sensor rotor with a new one.

9. Remove the snap ring and shim washer. Discard the snap ring and shim washer.

   NOTE:
   Always replace the snap ring and shim washer with new ones.
10. Remove the bearing ring retainer from the axle shaft using Tool as shown. Discard the bearing ring retainer.

   **Tool number**: KV40106500 (J-45073)

   **NOTE**: Always replace the bearing ring retainer with a new one.

11. Remove the back plate and torque member with the axle bearing attached from the axle shaft using a suitable press.

12. Remove the axle bearing studs to release the axle bearing from the back plate and torque member using a suitable hammer or press.

13. Remove the wheel studs using a suitable hammer or press.

14. Remove the grease catcher from the axle shaft.

**INSPECTION AFTER REMOVAL**

**Axle Shaft**
- Check axle shaft for straightness, cracks, damage, wear and distortion. Replace if necessary.

**Axle Case**
- Check axle case for yield, deformation and cracks. Replace if necessary. Refer to [RFD-14, "REAR FINAL DRIVE ASSEMBLY"](#).

**INSTALLATION**

1. Install the grease catcher on the axle shaft.

2. Install the wheel studs through the grease catcher into the axle shaft using a suitable press.

   **NOTE**: All six wheel studs must be pressed on at the same time and are flush with the grease catcher when installed.

3. Position the new axle bearing on the back plate and torque member.

4. Install the axle bearing studs using a suitable press to attach the axle bearing to the back plate and torque member.

   **NOTE**: Always replace the axle bearing with a new one.

5. Install the back plate and torque member, new axle bearing and new bearing ring retainer on the axle shaft using a suitable press.

   **Maximum press load “P1”**: 98 kN (10 ton, 11.0 US ton, 9.8 Imp ton)
CAUTION:
Press the new bearing ring retainer on the axle shaft with the taper side positioned as shown.

NOTE:
Always replace the bearing ring retainer with a new one.

6. Select the correct size shim washer. Refer to RAX-14, "Shim Washers".
   - Select the size of shim washer so that the installed snap ring to shim washer clearance is within specification.
     
     Snap ring to shim washer clearance : 0.2 mm (0.008 in) or less

7. Install a new snap ring on the axle shaft.
   - Do not over spread the snap ring when installing, measure the outer diameter of the snap ring after installation and replace if the snap ring outer diameter exceeds specification.
     
     Snap ring outer diameter installed : 47.5 mm (1.87 in) maximum

NOTE:
Always replace the snap ring with a new one.

8. Check the snap ring to shim washer clearance, repeat steps 7 and 8 as necessary until the installed snap ring to shim washer clearance is within specification.

   a. Rotate the wheel bearing in the forward direction for a minimum of 10 revolutions at 50-70 RPM.
   b. Rotate the wheel bearing in the reverse direction for a minimum of 10 revolutions at 50-70 RPM.

10. Measure the rotational torque of the wheel bearing.
    
    Rotational speed : 8-12 RPM
    Rotational torque : 1.8 N·m (0.18 kg-m, 16 in-lb)

11. Inspect that the wheel bearing is free from axial play relative to the axle shaft.

12. Install a new ABS sensor rotor on the axle shaft using a suitable press.

   CAUTION:
   Press the new ABS sensor rotor on the axle shaft with the notch side positioned as shown.

   NOTE:
   Always replace the ABS sensor rotor with a new one.
13. Install the new axle seal into the axle case using Tool as shown.
   - After installing the new oil seal, coat the sealing lip with oil.
   - Install the new oil seal with the seal facing outwards so that
     the seal is fully seated in the axle case.

   Tool number : — (J-34115 part of J-46215)

14. Apply multi-purpose grease to the recess of axle case end as
    shown.

15. Apply gear oil to the spline of axle shaft. Coat the axle oil seal
    surface of axle shaft with multi-purpose grease as shown.

16. Insert Tool into the new axle oil seal as a guide.

   CAUTION:
   When inserting axle shaft, be careful not to damage oil seal.

   NOTE:
   The split ends of the Tool must butt up together and not overlap
   as shown.

   Tool number : — (J-34296-1 part of J-46215)

17. Insert the axle shaft assembly. Tighten the axle shaft nuts evenly in a criss-cross pattern to specification.
   - Remove the Tool when the axle shaft assembly is approximately 90% inserted to protect the new axle
     oil seal.

   Tool number : — (J-34296-1 part of J-46215)

18. Install the parking brake assembly on the back plate and torque member. Refer to PB-6, "Removal and
    Installation".

19. Install the rear brake caliper assembly. Refer to BR-29, "Removal and Installation of Brake Caliper and
    Disc Rotor".

20. Install the ABS wheel sensor into the axle case. Refer to BRC-39, "WHEEL SENSORS" (ABS), BRC-85,
    "WHEEL SENSORS" (ABLS/ABS), BRC-144, "WHEEL SENSORS" (VDC/TCS/ABS), BRC-214,
    "WHEEL SENSORS" (HDC/HSA/VDC/TCS/ABS).
AXLE BEARING

Removal and Installation

The axle bearing must be replaced every time the axle shaft is removed and installed. Refer to RAX-19, "Removal and Installation".

CAUTION:
Do not reuse the axle bearing. The axle bearing must be replaced every time the axle shaft assembly is removed from the axle shaft housing.
AXLE OIL SEAL

Removal and Installation

The axle oil seal must be replaced every time the axle shaft is removed and installed. Refer to RAX-19, "Removal and Installation".

CAUTION:
Do not reuse the axle oil seal. The axle oil seal must be replaced every time the axle shaft assembly is removed from the axle shaft housing.
Axle Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axial end play</td>
<td>0 - 0.07 (0 - 0.003)</td>
</tr>
<tr>
<td>Snap ring to shim washer clearance</td>
<td>0.2 (0.008) or less</td>
</tr>
<tr>
<td>Snap ring outer diameter installed</td>
<td>47.5 (1.87) maximum</td>
</tr>
</tbody>
</table>

Shim Washers

<table>
<thead>
<tr>
<th>ID Paint Dot Color</th>
<th>Thickness</th>
<th>Part Number*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pink</td>
<td>2.5 (0.098)</td>
<td>43086-EB08C</td>
</tr>
<tr>
<td>Black</td>
<td>2.4 (0.094)</td>
<td>43086-EB07C</td>
</tr>
<tr>
<td>Purple</td>
<td>2.3 (0.091)</td>
<td>43086-EB06C</td>
</tr>
<tr>
<td>Yellow</td>
<td>2.2 (0.087)</td>
<td>43086-EB05C</td>
</tr>
<tr>
<td>Green</td>
<td>2.1 (0.083)</td>
<td>43086-EB04C</td>
</tr>
<tr>
<td>Red</td>
<td>2.0 (0.079)</td>
<td>43086-EB03C</td>
</tr>
<tr>
<td>White</td>
<td>1.9 (0.075)</td>
<td>43086-EB02C</td>
</tr>
<tr>
<td>Blue</td>
<td>1.8 (0.071)</td>
<td>43086-EB01C</td>
</tr>
</tbody>
</table>

*: Always check with the Parts Department for the latest parts information.
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.
## Special Service Tools

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

<table>
<thead>
<tr>
<th>Tool number (Kent-Moore No.)</th>
<th>Tool name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KV40101000 (J-25604-01)</td>
<td>Axle stand</td>
<td>Removing axle shaft</td>
</tr>
<tr>
<td>ST36230000 (J-25840-A)</td>
<td>Slide hammer</td>
<td>Removing axle shaft</td>
</tr>
<tr>
<td>205-D002</td>
<td>Bearing splitter</td>
<td>Removing axle shaft bearing</td>
</tr>
</tbody>
</table>

![Images](NT159, NT126, ZZA0700D)

## Commercial Service Tools

<table>
<thead>
<tr>
<th>Tool name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power tools</td>
<td>Removing and installing nuts and bolts</td>
</tr>
</tbody>
</table>

![Images](PBIC0190E, RAX-16)
## NOISE, VIBRATION, AND HARSHNESS (NVH) TROUBLESHOOTING

### NVH Troubleshooting Chart

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

<table>
<thead>
<tr>
<th>Reference page</th>
<th>Possible cause and SUSPECTED PARTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Improper installation, looseness</td>
</tr>
<tr>
<td></td>
<td>Parts interference</td>
</tr>
<tr>
<td></td>
<td>Wheel bearing damage</td>
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<tr>
<td></td>
<td>PROPELLER SHAFT</td>
</tr>
<tr>
<td></td>
<td>REAR FINAL DRIVE</td>
</tr>
<tr>
<td></td>
<td>SUSPENSION</td>
</tr>
<tr>
<td></td>
<td>TIRES</td>
</tr>
<tr>
<td></td>
<td>ROAD WHEEL</td>
</tr>
<tr>
<td></td>
<td>BRAKES</td>
</tr>
</tbody>
</table>

### Symptom

- **Noise**
  - (M226 all)
  - (M226 without LD)
  - (M226 with LD)
  - (M226 all)

- **Shake**
  - (M226 all)
  - (M226 without LD)
  - (M226 with LD)
  - (M226 all)

- **Vibration**
  - (M226 all)
  - (M226 without LD)
  - (M226 with LD)
  - (M226 all)

- **Shimmy**
  - (M226 all)
  - (M226 without LD)
  - (M226 with LD)
  - (M226 all)

- **Shudder**
  - (M226 all)
  - (M226 without LD)
  - (M226 with LD)
  - (M226 all)

- **Poor quality ride or handling**
  - (M226 all)
  - (M226 without LD)
  - (M226 with LD)
  - (M226 all)

- **×**: Applicable

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Revision: February 2006

RAX-17

2005 Xterra
Rear Axle Parts

- Check the axle parts for excessive play, wear, and damage. Replace as necessary.
- Shake each rear wheel to check for excessive play. Repair as necessary.
- Retighten all nuts and bolts to the specified torque. Refer to RAX-19, "AXLE SHAFT".

Rear Axle Bearing

- Check that the axle shaft bearing operates smoothly. Replace as necessary.
- Check axial end play.
AXLE SHAFT

Removal and Installation

PFP: 38164

1. Axle shaft
2. Snap ring
3. Bearing ring retainer
4. Axle shaft bearing
5. Axle oil seal
6. Axle shaft bearing cage
7. ABS sensor rotor
8. Back plate and torque member
9. Axle shaft bearing cup
10. Breather
11. Rear final drive

: N-m (kg-m, in-lb)
: N-m (kg-m, ft-lb)
: Always replace after every disassembly.

Revision: February 2006

RAX-19

2005 Xterra
CAUTION:
Before removing the axle shaft, remove the ABS sensor to reposition the ABS sensor out of the way. Failure to do so may result in damage to the ABS sensor and cause the ABS sensor to become inoperative.

REMOVAL
1. Remove the ABS sensor and position out of the way. Refer to BRC-39, "WHEEL SENSORS" (ABS), BRC-85, "WHEEL SENSORS" (ABLS/ABS), BRC-214, "WHEEL SENSORS" (HDC/HSA/VDC/TCS/ABS).
2. Remove the rear brake rotor. Refer to BR-29, "Removal and Installation of Brake Caliper and Disc Rotor".
3. Remove the parking brake assembly from the back plate and torque member. Refer to PB-5, "Removal and Installation".
4. Remove the four axle shaft bearing cage nuts and lock washers.

5. Remove the axle shaft assembly using Tools as shown.
   **CAUTION:**
   - The axle shaft bearing cup may stay in place in the axle shaft housing. Remove the cup carefully so as not to damage the inner surface of the axle shaft housing.
   - Do not reuse the axle oil seal. The axle oil seal must be replaced every time the axle shaft assembly is removed from the axle shaft housing.
     
     Tool number A: KV40101000 (J-25604-01)
     Tool number B: ST36230000 (J-25840-A)

6. Remove the brake plate and torque member.
7. Remove the snap ring from the axle shaft using suitable snap ring pliers.
8. Secure the axle shaft in a suitable vise, then use a 1/4 in size drill bit to drill a hole approximately 3/4 into the thickness of the bearing ring retainer [3/4 thickness is approximately 6.3 mm (0.25 in) deep].
   **CAUTION:**
   - Mount the axle shaft using a soft jaw vise to avoid damaging the axle shaft.
   - Do not drill all the way through the bearing ring retainer, the drill may damage the axle shaft surface.
9. Strike the bearing ring retainer using a suitable chisel and hammer, with the chisel positioned across the drilled hole. Break the bearing ring retainer to remove it.

**CAUTION:**
Do not heat or cut the axle shaft bearing or bearing ring retainer with a torch during removal, doing so will damage the axle shaft.

10. Remove the axle shaft bearing cage studs using a suitable hammer or press.

11. Pull the axle shaft bearing off of the axle shaft using Tool and a suitable press.

   **Tool number : 205-D002**

   **CAUTION:**
   - Do not tighten the Tool against the axle shaft.
   - Do not heat or cut the axle shaft bearing or bearing ring retainer with a torch during removal, doing so will damage the axle shaft.

12. Remove the axle oil seal and discard.

   **CAUTION:**
   Do not reuse the axle oil seal. The axle oil seal must be replaced every time the axle shaft assembly is removed from the axle shaft housing.

13. Remove the wheel bearing cage.

   **NOTE:**
   - If reinstalling the old axle shaft, it may not be necessary to remove the ABS sensor rotor. Inspect the ABS sensor rotor and replace as necessary. Refer to BRC-40, "SENSOR ROTOR" (ABS), BRC-86, "SENSOR ROTOR" (ABLS/ABS), BRC-215, "SENSOR ROTOR" (HDC/HSA/VDC/TCS/ABS).
   - The ABS sensor rotor cannot be reused after it is removed. If replacing the axle shaft, install a new ABS sensor rotor onto the new axle shaft. Refer to BRC-40, "SENSOR ROTOR" (ABS), BRC-86, "SENSOR ROTOR" (ABLS/ABS), BRC-215, "SENSOR ROTOR" (VDC/TCS/ABS).

**INSPECTION AFTER REMOVAL**

**Axle Shaft**
- Clean and remove all nicks and burrs.
- Check for straightness and distortion. Replace if necessary.
- Inspect machined surfaces for evidence of overheating, damage and wear. Replace if necessary.
- Measure the bearing ring retainer axle journal diameter. Replace if necessary.

   **Bearing ring retainer axle journal diameter (minimum) : 39.726 mm (1.5640 in)**

**Axle Shaft Bearing and Cup**
- Check that the axle shaft bearing and cup roll freely and are free from noise, cracks, pitting and wear. Replace if necessary.

**Axle Shaft Bearing Cage**
- Check for deformation and cracks. Replace if necessary.

**Axle Shaft Housing**
- Check the exterior and inner machined surfaces for deformation and cracks. Replace if necessary.

**INSTALLATION**
1. If installing a new axle shaft, install a new ABS sensor rotor onto the new axle shaft. Refer to BRC-40, "SENSOR ROTOR" (ABS), BRC-86, "SENSOR ROTOR" (ABLS/ABS), BRC-215, "SENSOR ROTOR" (HDC/HSA/VDC/TCS/ABS).

   **CAUTION:**
   Do not reuse the old ABS sensor rotor.

2. Install the studs in the axle shaft bearing cage using a suitable hammer or press.
3. Install the axle shaft bearing cage.

4. Install a new axle oil seal.

   **CAUTION:**
   Do not reuse the axle oil seal. The axle oil seal must be replaced every time the axle shaft assembly is removed from the axle shaft housing.

5. Install the axle shaft bearing and cup on the axle shaft.
   - Prepare an installer tool from a steel tube measuring 762 mm (30 in) long with an outside diameter of 53.98 mm (2.125 in) and an inside diameter of 41.28 mm (1.625 in).
   - Press the axle shaft bearing and cup onto the axle shaft using a suitable press and the installer tool, until a 0.038 mm (.0015 in) feeler gauge does not fit in between the axle shaft bearing cup and seat.

   **CAUTION:**
   Make sure the axle shaft bearing and cup, axle oil seal, and axle shaft bearing cage are installed facing in the correct direction.

6. Install the bearing ring retainer onto the axle shaft.
   - Press the bearing ring retainer onto the axle shaft with a minimum force of 31,100 N (3172 kg, 6992 lb) until a 0.038 mm (.0015 in) feeler gauge does not fit between the bearing inner race and the bearing ring retainer in at least one point.

7. Install the snap ring so it is fully seated into the groove on the axle shaft, using suitable snap ring pliers.

8. Install the back plate and torque member.

9. Install the axle shaft assembly into the axle shaft housing.

10. Install the axle shaft bearing cage lock washers and nuts. Tighten the axle shaft bearing cage nuts to specification.

11. Install the parking brake assembly onto the back plate and torque member. Refer to PB-5, "Removal and Installation".

12. Install the rear brake rotor. Refer to BR-29, "Removal and Installation of Brake Caliper and Disc Rotor".

13. Install the ABS sensor. Refer to BRC-39, "WHEEL SENSORS" (ABS), BRC-85, "WHEEL SENSORS" (ABLS/ABS), BRC-214, "WHEEL SENSORS" (HDC/HSA/VDC/TCS/ABS).
Removal and Installation

The axle bearing must be replaced every time the axle shaft is removed and installed. Refer to RAX-19, "Removal and Installation".

CAUTION:
Do not reuse the axle bearing. The axle bearing must be replaced every time the axle shaft assembly is removed from the axle shaft housing.
AXLE OIL SEAL

Removal and Installation

The axle oil seal must be replaced every time the axle shaft is removed and installed. Refer to RAX-19, "Removal and Installation".

CAUTION:
Do not reuse the axle oil seal. The axle oil seal must be replaced every time the axle shaft assembly is removed from the axle shaft housing.
| Bearing ring retainer axle journal diameter (minimum) | 39.726 mm (1.5640 in) minimum |

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