

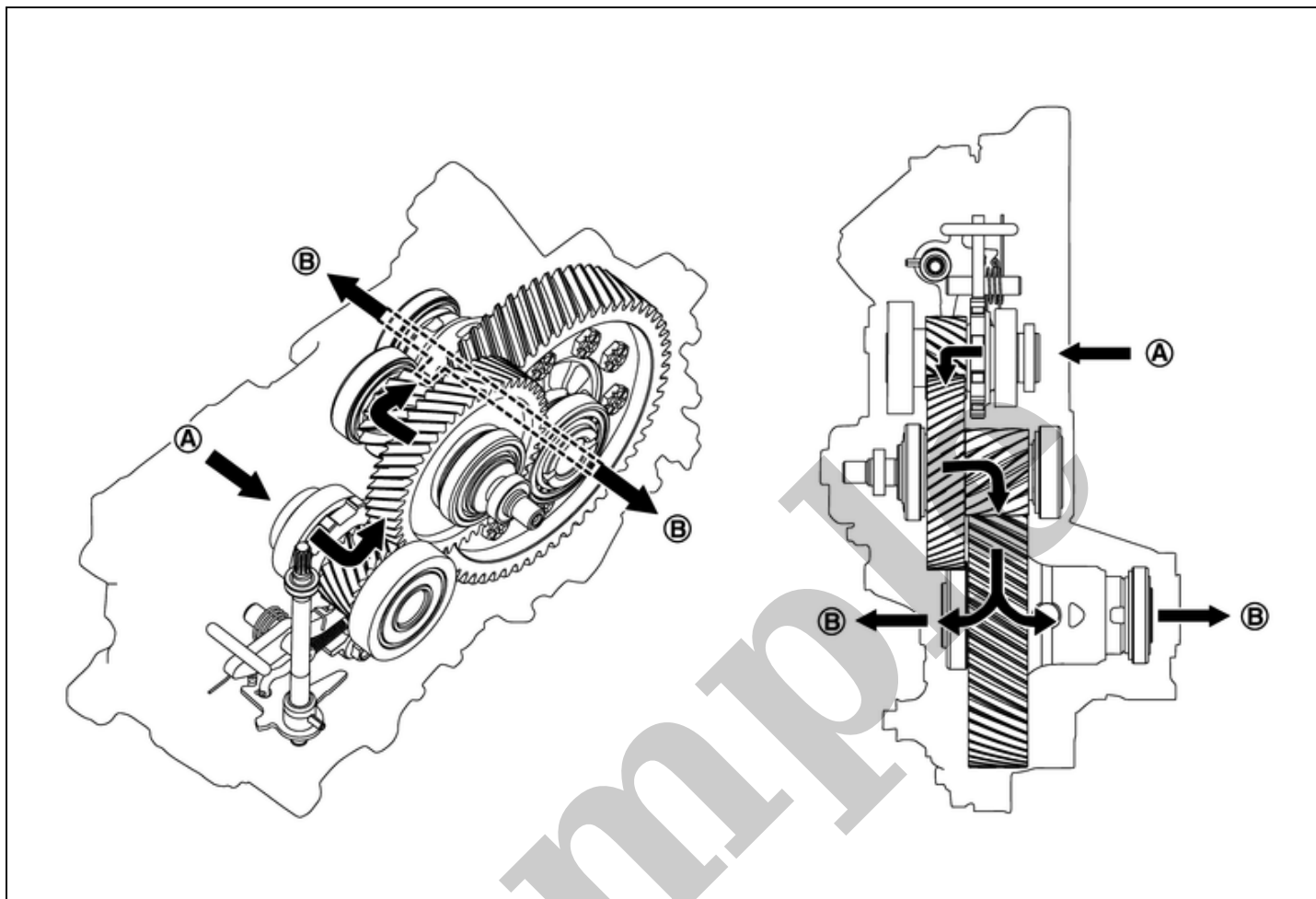
# Your Ultimate Source for OEM Repair Manuals

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## 2015 NISSAN XTerra OEM Service and Repair Workshop Manual

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## POWER TRANSMISSION DIAGRAM

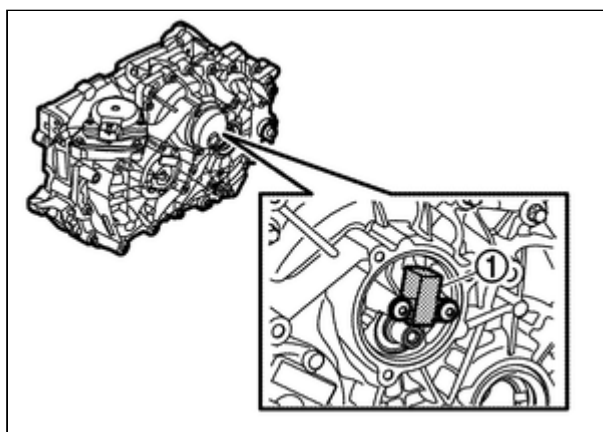


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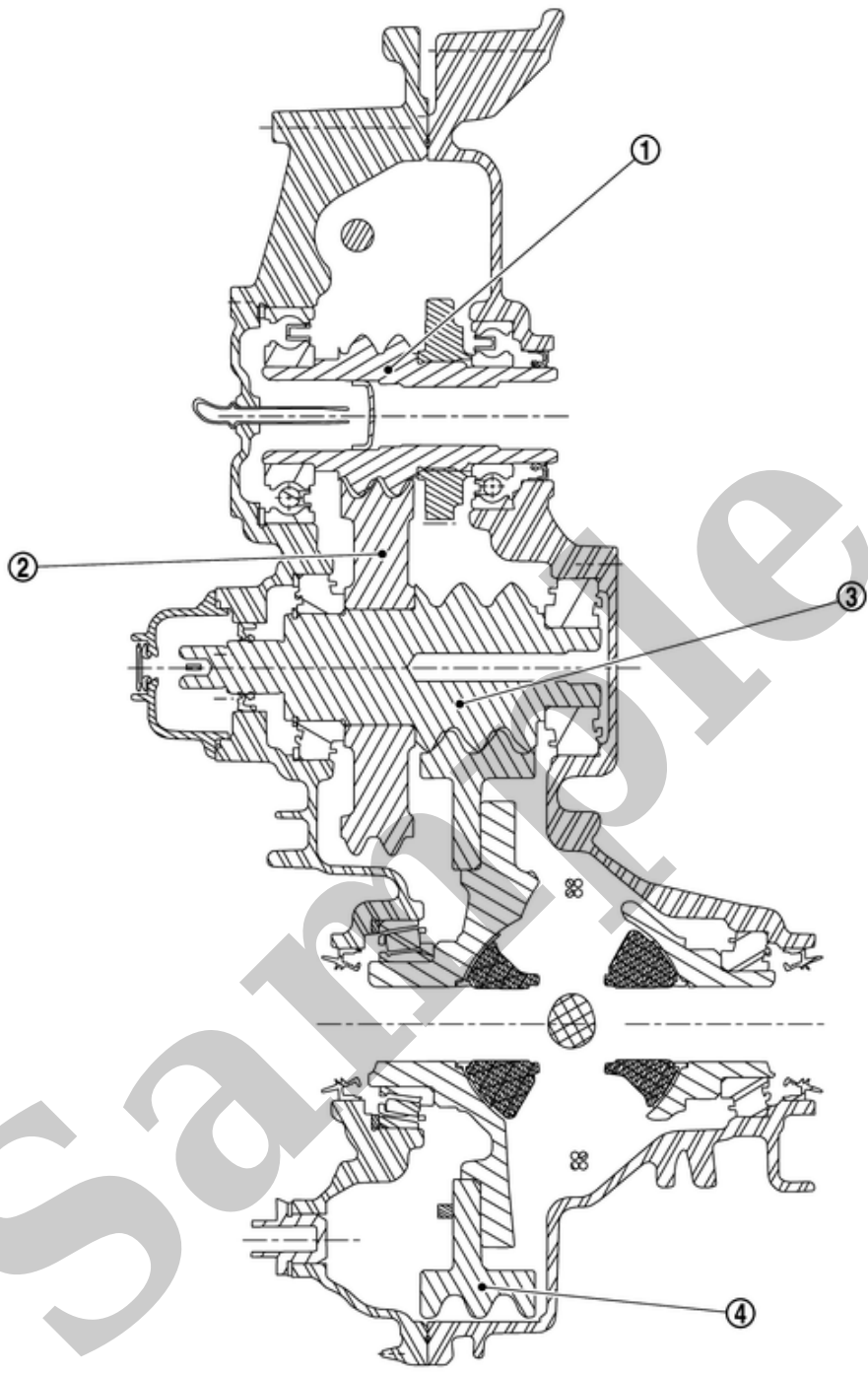
Ⓐ	From front traction motor	Ⓑ	To drive shift		
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## EARTH BRUSH

An earth brush ① is installed on the end of the reduction gear main shaft, grounding electrical noise transmitted from the motor shaft to the reduction gear case.

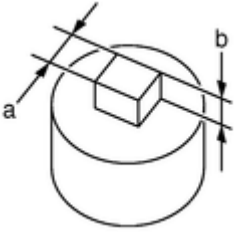

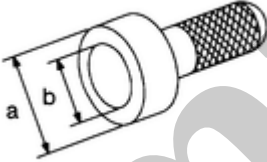
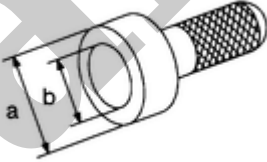
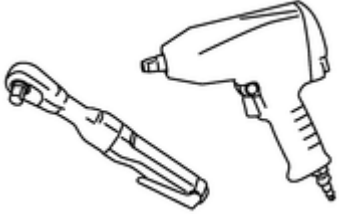


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SIEMD-7085584-01-000356320

①	Input gear	②	Mainshaft gear	③	Mainshaft
④	Final gear				

	Tool name	Description
<p>Socket</p> <p>a: 8 mm (0.31 in)</p> <p>b: 5 mm (0.20 in)</p>	 <p>RDE-001932053-01-CIB1776E</p>	<p>Removing and installing drain plug</p>
<p>Oil seal remover</p>	 <p>RDE-001932053-05-SDIA4998ZZ</p>	<ul style="list-style-type: none"> <li>• Removing side oil seal</li> <li>• Removing shaft oil seal</li> </ul>
<p>Drift</p> <p>a: 55 mm (2.17 in) dia.</p> <p>b: 50 mm (1.97 in) dia.</p>	 <p>RDE-001932053-09-T115</p>	<p>Installing side oil seal</p>
<p>Drift</p> <p>a: 46 mm (1.81 in) dia.</p> <p>b: 40 mm (1.57 in) dia.</p>	 <p>RDE-001932053-11-T115</p>	<p>Installing shaft oil seal</p>
<p>Power tool</p>	 <p>RDE-001932053- X0000000013489410-01- PBIC0190EOf-7CCAA135- BIC0190E</p>	<p>Loosening bolts and nuts</p>

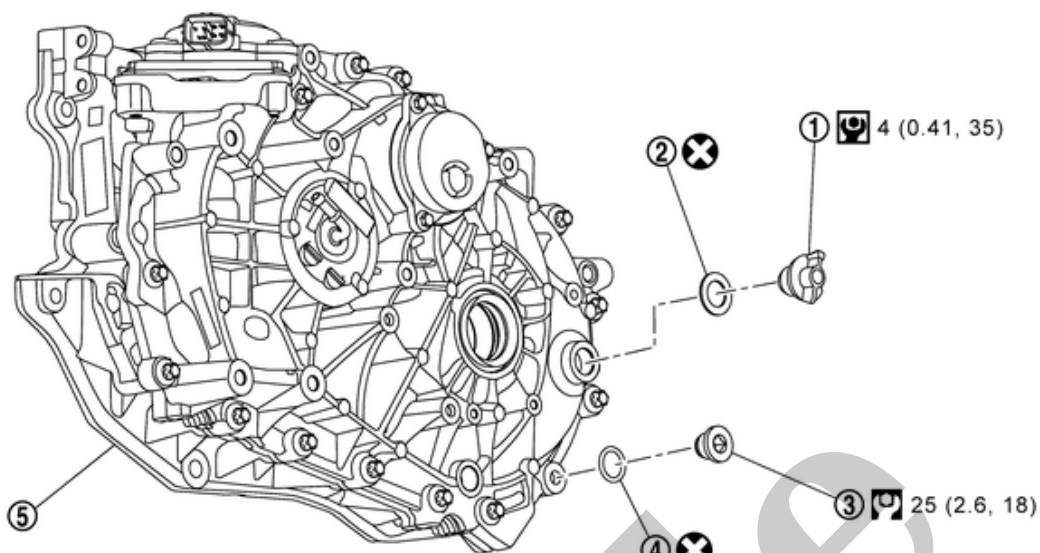
# REDUCTION GEAR : Lubricant or/and Sealant

RDE-001932054

Item	Use
Lithium-based grease including molybdenum disulphide	Application to the inside of reduction gear input shaft (insertion part of front traction motor shaft splines)

Sample

## SEC. 321



RDE-001932055-01-000425264

①	Filler plug	②	Gasket	③	Drain plug
④	Gasket	⑤	Reduction gear		
: N·m (kg-m, in-lb)					
: N·m (kg-m, ft-lb)					
: Always replace after every disassembly.					



### NOTE:

The tightening torque of filler plug ① is a reference.

## OIL LEAKAGE

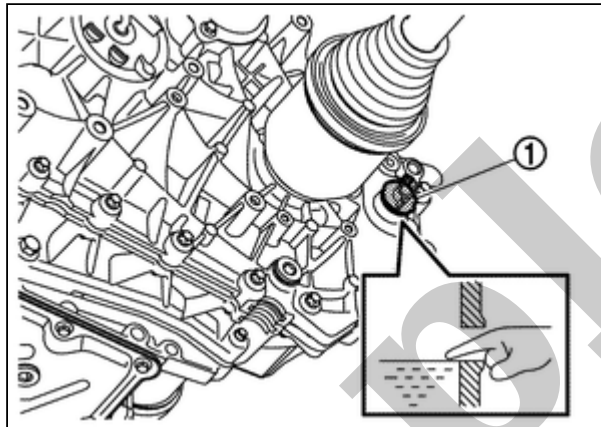
- Remove front under cover during working. Refer to [Exploded View](#).

Check reduction gear surrounding area (oil seal, drain plug, and filler plug etc.) for oil leakage.

## OIL LEVEL

- Remove front under cover during working. Refer to [Exploded View](#).

1 Check oil level from filler plug mounting hole as shown in the figure, after removing filler plug ① and gasket from reduction gear assembly.



RPR-001932056-01-000356292

### CAUTION:

**Power switch OFF while checking fluid level.**

- Oil level should be level with bottom of filler plug mounting hole. Add gear oil if necessary.

2 Set a gasket on filler plug and install it on reduction gear assembly.

### CAUTION:

**Never reuse gasket.**

3 Tighten filler plug to the specified torque. Refer to [REDUCTION GEAR OIL : Exploded View](#).

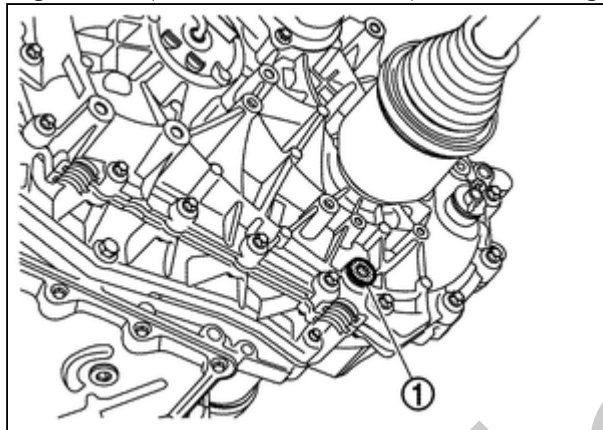
# REDUCTION GEAR OIL : Draining

RPR-001932057

- Remove front under cover during working. Refer to [Exploded View](#).

1 Power switch OFF.

2 Remove drain plug ① and gasket, using a socket (commercial service tool) and then drain gear oil.



RPR-001932057-01-000356293



## NOTE:

Removing filler plug can drain oil efficiently.

3 Set a gasket on drain plug and install it to reduction gear assembly, using a socket (commercial service tool).

## CAUTION:

Never reuse gasket.

4 Tighten drain plug to the specified torque. Refer to [REDUCTION GEAR OIL : Exploded View](#).

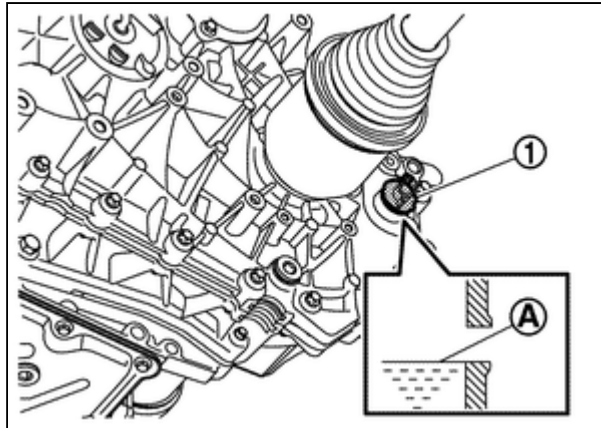


# REDUCTION GEAR OIL : Refilling

RPR-001932058

- Remove front under cover during working. Refer to [Exploded View](#).

1 Fill with new gear oil until oil level reaches the specified level **A** near filler plug mounting hole, after removing filler plug **1** and gasket from reduction gear assembly.



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Recommended oil and capacity

: Refer to [MAINTENANCE : Recommended Fluid and Lubricants](#).

2 Leave the vehicle for 3 minutes, and check the oil level again. Refer to [REDUCTION GEAR OIL : Inspection](#).

3 Set a gasket on filler plug, and install it to reduction gear assembly.

**CAUTION:**

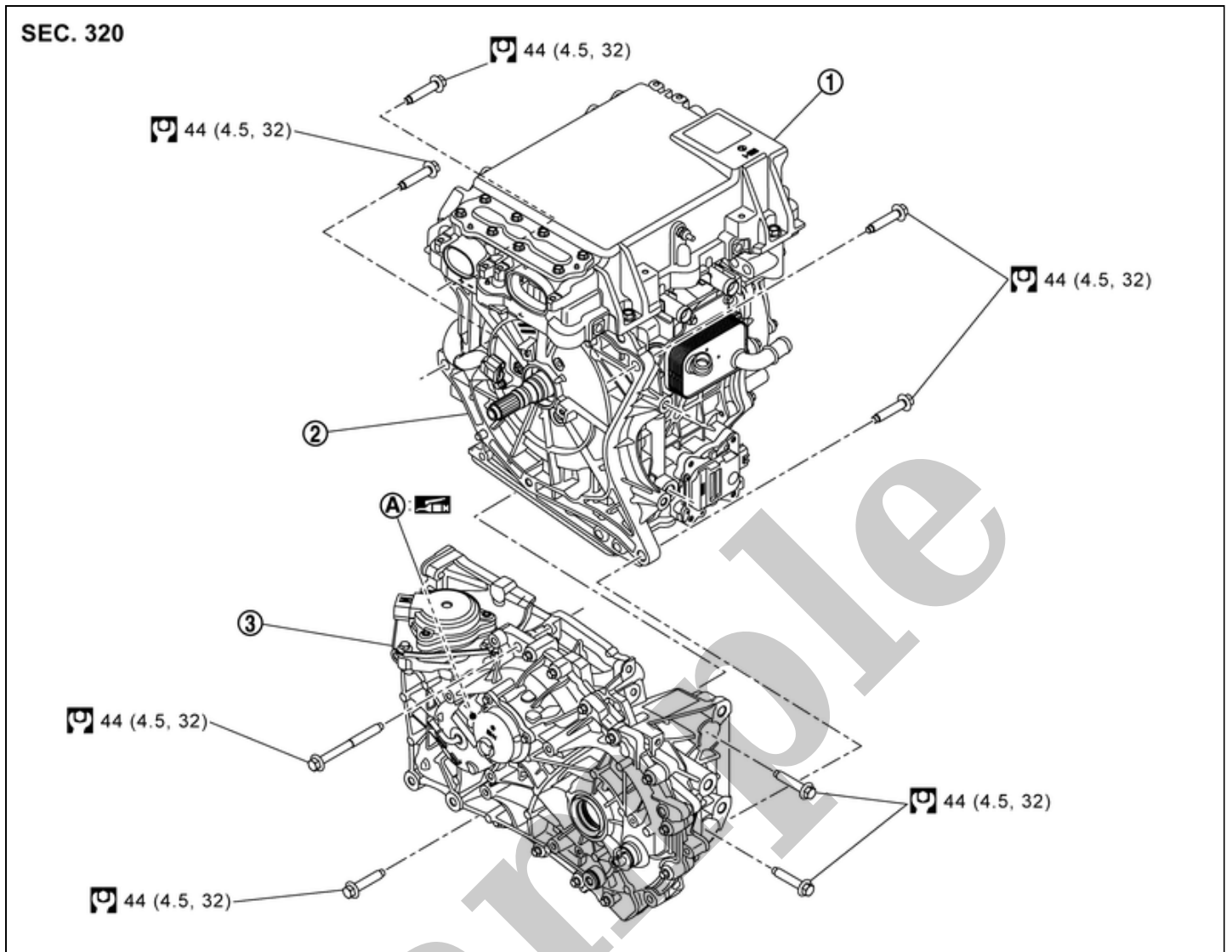
**Never reuse gasket.**

4 Tighten filler plug to the specified torque. Refer to [REDUCTION GEAR OIL : Exploded View](#).

# REDUCTION GEAR : Exploded View

RDE-001932071

## SEC. 320



RDE-001932071-01-000356305

①	Inverter (front)	②	Front traction motor	③	Reduction gear
Ⓐ	Inside of input shaft (insertion part of front traction motor shaft splines)				
	: N·m (kg-m, ft-lb)				
	Apply lithium-based grease including molybdenum disulphide.				