

SECTION

MT

MANUAL TRANSMISSION

MT

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FS5R30A			
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< SERVICE INFORMATION >

## **SERVICE INFORMATION**

### **MODIFICATION NOTICE**

#### **Major Modification Item**

INFOID:000000003768462

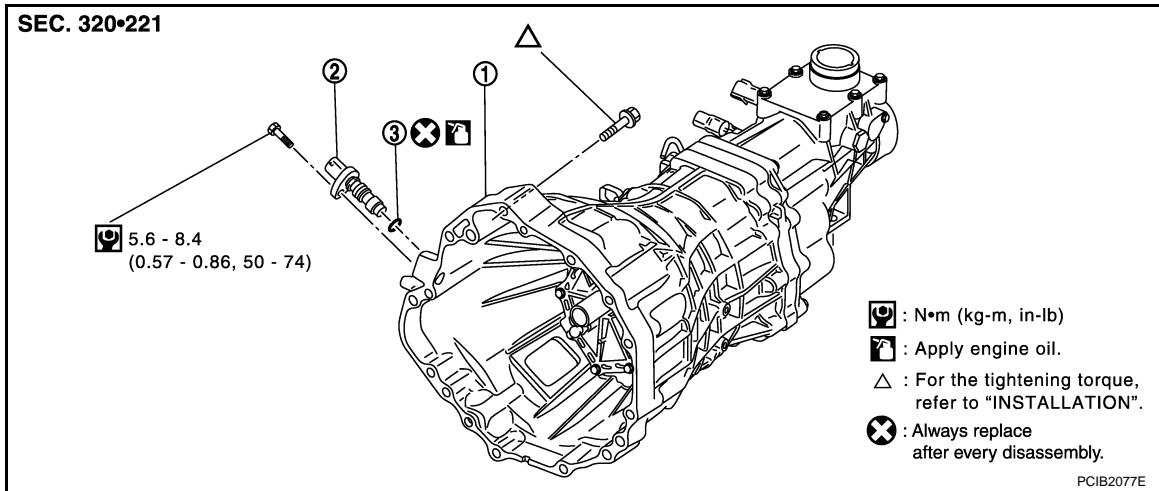
- YD25DDTi (with common rail) engine models have been added.

## TRANSMISSION ASSEMBLY

### Removal and Installation

INFOID:000000003768463

### COMPONENTS



1. Transmission assembly

2. Crankshaft position sensor

3. O-ring

### REMOVAL

2WD models

Perform the following procedures before removing transmission from the engine.

1. Remove torsion bar springs and then remove second crossmember. Refer to FA section.
2. Remove engine rear member. Refer to EM section.
3. Remove crankshaft position sensor from transmission.

#### CAUTION:

Always pay extra attention not to damage edge of crankshaft position sensor or ring gear teeth.

### INSTALLATION

Note the following, and install in the reverse order of removal.

#### CAUTION:

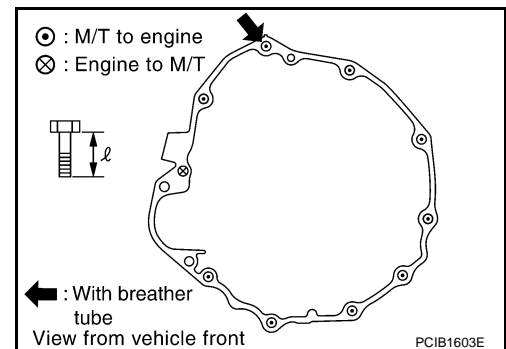
- When installing, be careful to avoid interference between transmission main drive gear and clutch cover.
- Never reuse O-ring.

#### NOTE:

Applying engine oil to O-ring facilitates an installation of crankshaft position sensor.

- When installing the transmission to the engine, install the mounting bolts following the standard below.

**Bolt length "ℓ"** : 85 mm (3.35 in)  
**Tightening torque** : 39 – 49 N•m (4.0 – 4.9 kg-m, 29 – 36 lb-ft)



# SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE INFORMATION >

[FS5R30A]

## SERVICE DATA AND SPECIFICATIONS (SDS)

### General Specification

INFOID:000000003768465

Transmission type			FS5R30A	
Engine type			YD25DDTi (with common rail)	
Axle type			2WD	4WD
Number of speed			5	
Synchromesh type			Warner	
Shift pattern			<div><div><div>1</div><div>3</div><div>5</div></div><div><div>2</div><div>4</div><div>R</div></div><div>N</div></div> <div>SCIA0821E</div>	
Gear ratio	1st		3.580	
	2nd		2.077	
	3rd		1.360	
	4th		1.000	
	OD		0.760	
	Reverse		3.636	
Number of teeth	Main gear	Drive	22	
		1st	32	
		2nd	30	
		3rd	29	
		OD	23	
		Reverse	30	
	Counter gear	Drive	32	
		1st	13	
		2nd	21	
		3rd	31	
		OD	44	
		Reverse	12	
	Reverse idler gear		22	
Oil capacity (Approx.) ℓ (Imp pt)			3.04 (5–3/8)	5.1 (9)
Remarks	Reverse synchronizer		Installed	
	Double-cone synchronizer		2nd and 3rd	
	Sub-gear	Counter drive gear	Installed	Installed
		Reverse idler gear	Not installed	Installed