

# MANUAL TRANSMISSION

# SECTION **MT**

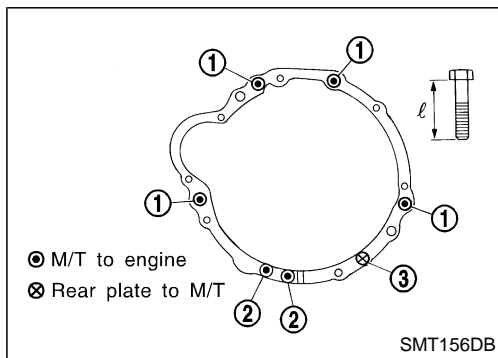
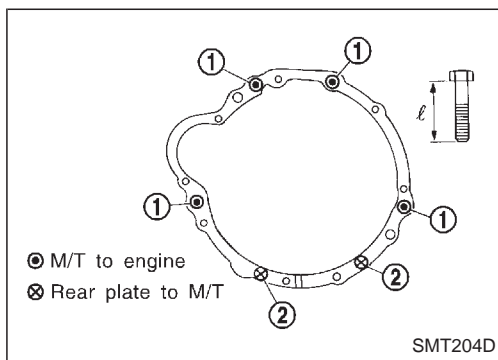
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### MODIFICATION NOTICE:

TD25 and TD25Ti engine models have been added for Turkey, Argentina and Brazil.

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### Installation

- Tighten bolt securing transmission.
- **TD25 engine model (FS5W71C)**

Bolt No.	Tightening torque N·m (kg·m, ft·lb)	ℓ mm (in)
①	39 - 49 (4.0 - 5.0, 29 - 36)	58 (2.28)
②	18 - 22 (1.8 - 2.2, 13 - 16)	16 (0.63)

- **TD25Ti engine model (FS5R30A)**

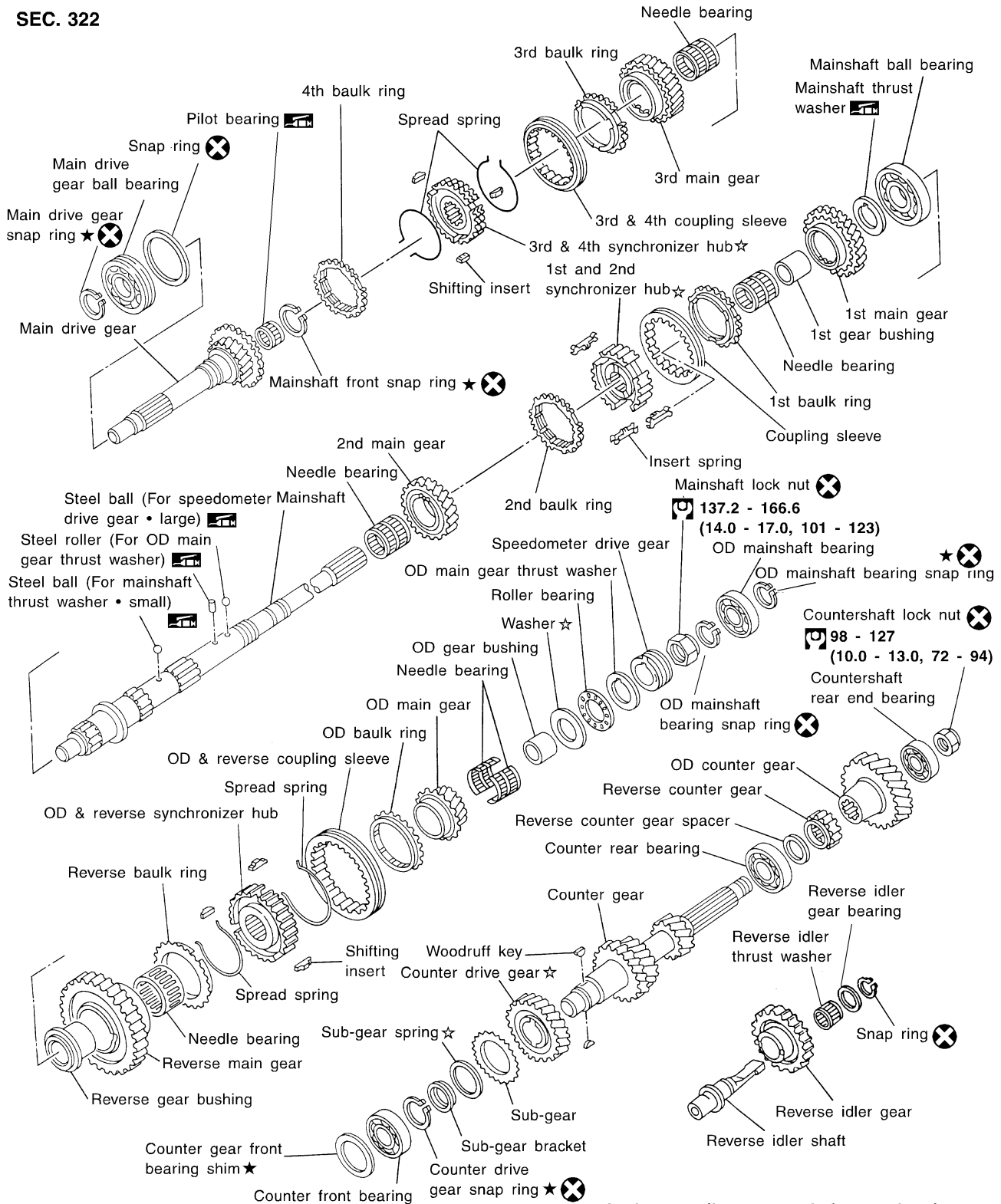
Bolt No.	Tightening torque N·m (kg·m, ft·lb)	ℓ mm (in)
①	39 - 49 (4.0 - 5.0, 29 - 36)	58 (2.28)
②	34 - 39 (3.4 - 4.0, 25 - 28)	100 (3.94)
③	18 - 22 (1.8 - 2.2, 13 - 16)	16 (0.63)
Engine gusset	29 - 39 (3.0 - 4.0, 22 - 29)	35 (1.38)





# Gear Components — 2WD Model with TD25 Engine

SEC. 322



Apply gear oil to gears, shafts, synchronizers and bearings when assembling.


- ★ : Select with proper thickness.
- ☆ : Pay attention to its direction.
- Ⓜ : N·m (kg-m, ft-lb)
- 🛢️ : Should be lubricated with grease.

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**General Specifications**

Applied model		2WD	4WD
		TD25	TD25Ti
Transmission		FS5W71C	FS5R30A
Number of speed		5	
Shift pattern			
Synchromesh type		Warner	
Gear ratio			
1st		3.985	3.580
2nd		2.246	2.077
3rd		1.415	1.360
4th		1.000	1.000
OD		0.821	0.811
Reverse		3.657	3.636
Number of teeth			
Mainshaft			
Drive		21	22
1st		34	32
2nd		28	30
3rd		26	29
OD		21	24
Reverse		36	30
Countershaft			
Drive		32	32
1st		13	13
2nd		19	21
3rd		28	31
OD		39	43
Reverse		15	12
Reverse idler gear		21	22
Oil capacity	ℓ (Imp pt)	2.0 (3-1/2)	5.1 (9)
Remarks	Sub-gear	Counter drive gear	Installed
		Reverse idler gear	Not installed
	Double baulk ring type synchronizer		Not installed
	Reverse synchronizer		Installed
			2nd and 3rd gears
			Not installed



Inspection and Adjustment

AVAILABLE SNAP RING

Counter drive gear snap ring

Allowable clearance		0 - 0.13 mm (0 - 0.0051 in)
Thickness mm (in)	Part number*	
1.4 (0.055)	32215-E9000	
1.5 (0.059)	32215-E9001	
1.6 (0.063)	32215-E9002	

\*: Always check with the Parts Department for the latest parts information.

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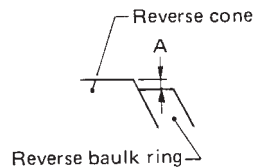
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Inspection and Adjustment

GEAR END PLAY

Gear	End play mm (in)
1st main gear	0.23 - 0.33 (0.0091 - 0.0130)
2nd main gear	0.23 - 0.33 (0.0091 - 0.0130)
3rd main gear	0.06 - 0.16 (0.0024 - 0.0063)
OD counter gear	0.23 - 0.33 (0.0091 - 0.0130)
Reverse main gear	0.33 - 0.43 (0.0130 - 0.0169)
Counter gear	0.10 - 0.25 (0.0039 - 0.0098)
Reverse idler gear	0.30 - 0.53 (0.0118 - 0.0209)

DISTANCE BETWEEN REAR SURFACE OF REVERSE CONE AND REVERSE BAULK RING



Unit: mm (in)

	Standard	Wear limit
Dimension "A"	-0.3 to 0.75 (-0.0118 to 0.0295)	1.1 (0.043)