

<SUPPLEMENT-I>

# MANUAL TRANSAXLE

## SECTION **MT**

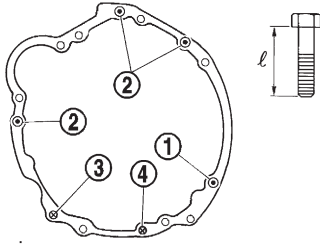
### MODIFICATION NOTICE:

The TD25T (with FS5R30A) engine model has been added, and REMOVAL AND INSTALLATION and SERVICE DATA AND SPECIFICATIONS (SDS) have been changed.

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**MT**

**FS5W71C**


- ⊙ M/T to engine
- ⊗ Engine rear plate to M/T

SMT305CA

## Installation

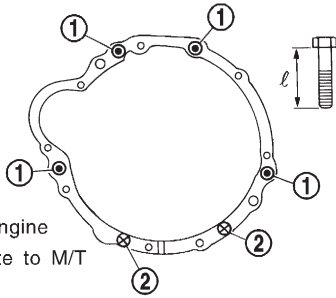
- Tighten bolt securing transmission.
- **NA20S, Z24S and KA24E engine models**

Bolt No.	Tightening torque N-m (kg-m, ft-lb)	ℓ mm (in)
①	39 - 49 (4.0 - 5.0, 29 - 36)	65 (2.56)
②	39 - 49 (4.0 - 5.0, 29 - 36)	58 (2.28)
③ *	16 - 22 (1.6 - 2.2, 12 - 16)	25 (0.98)
④	16 - 22 (1.6 - 2.2, 12 - 16)	16 (0.63)

\*: With nut

- **TD25 and TD27 engine models**

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)

**FS5W71C**


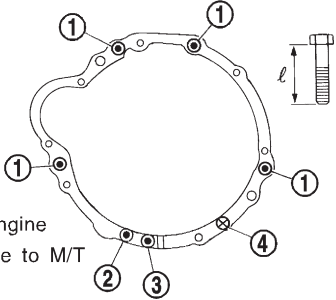
- ⊙ M/T to engine
- ⊗ Rear plate to M/T

SMT204DA

- **TD25T and QD32 engine model**

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	29 - 39 (3.0 - 4.0, 22 - 29)	16 (0.63)
③ *	29 - 39 (3.0 - 4.0, 22 - 29)	100 (3.94)
④	18 - 22 (1.8 - 2.2, 13 - 16)	16 (0.63)
Engine gusset	29 - 39 (3.0 - 4.0, 22 - 29)	35 (1.38)

\*: With nut

**FS5R30A**


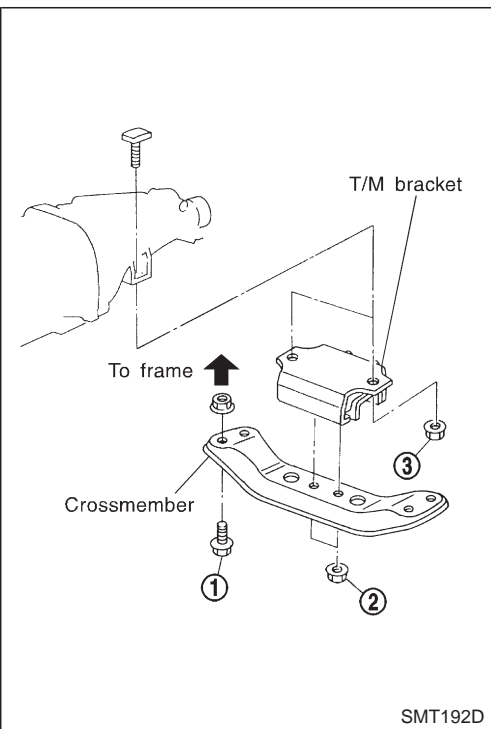
- ⊙ M/T to engine
- ⊗ Rear plate to M/T

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- Tighten bolts with T/M bracket, crossmember and frame.

Unit: N-m (kg-m, ft-lb)

Bolt No.	2WD & 4WD	Note
①	59 - 69 (6.0 - 7.0, 43 - 51)	Crossmember to frame
②	41 - 52 (4.2 - 5.3, 30 - 38)	T/M bracket to crossmember
③	68 - 87 (6.9 - 8.9, 50 - 64)	T/M to T/M bracket




SMT192D

# SERVICE DATA AND SPECIFICATIONS (SDS)

FS5W71C & FS5R30A

## General Specifications

Destination	General areas	Australia and Europe	Middle East	Europe	Australia, Middle East and General areas	Middle East and General areas	Australia, Europe and General areas	Europe	Australia and General areas
Applied model	2WD					4WD			
	NA20S	KA24E	Z24S	TD25	TD27	Z24S	KA24E	TD25T	QD32
Transmission	FS5W71C						FS5R30A		
Number of speed	5								
Shift pattern									
Synchromesh type	Warner								
Gear ratio									
1st	4.220	3.592		3.985			3.592		3.580
2nd	2.540	2.246		2.246			2.246		2.077
3rd	1.641	1.415		1.415			1.415		1.360
4th	1.000	1.000		1.000			1.000		1.000
OD	0.821	0.821		0.821			0.821		0.811
Reverse	3.657	3.657		3.657			3.657		3.636
Number of teeth									
Mainshaft									
Drive	21	21		21			21		22
1st	36	33		34			33		32
2nd	30	28		28			28		30
3rd	28	26		26			26		29
OD	21	21		21			21		24
Reverse	36	36		36			36		30
Countershaft									
Drive	32	32		32			32		32
1st	13	14		13			14		13
2nd	18	19		19			19		21
3rd	26	28		28			28		31
OD	39	39		39			39		43
Reverse	15	15		15			15		12
Reverse idler gear	21					21		22	
Oil capacity ℓ (Imp pt)	2.0 (3-1/2)					4.9 (8-5/8)		5.1 (9)	
Remarks	Reverse synchronizer 2nd & 3rd double baulk ring type synchronizer (TD25 and TD27 engine models)						2nd & 3rd double baulk ring type synchronizer		