

SECTION MT

MODIFICATION NOTICE:

- Service data and specifications (SDS) have been changed.

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# SERVICE DATA AND SPECIFICATIONS (SDS)

## General Specifications

Applied model			2WD				4WD					
			KA24DE		YD25DDTi	TD27	KA24DE		VG33E	YD25DDTi	ZD30DDT	QD32
Transmission model			FS5W71C		FS5R30A	FS5W71C			FS5R30A			
Transmission model code number			VJ301	VK400*	VK505	2S561	VJ361	VK410*	9S100	VK510	VK115	VK311
Number of speed			5									
Shift pattern			<div><div>135</div><div><div></div><div></div><div>N</div><div></div><div></div></div><div>24R</div></div>									
Synchronmesh type			Warner									
Gear ratio												
	1st		3.592	3.592	3.580	3.985	3.592	3.592	3.580	3.580	3.580	3.580
	2nd		2.246	2.246	2.077	2.246	2.246	2.246	2.077	2.077	2.077	2.077
	3rd		1.415	1.415	1.360	1.415	1.415	1.415	1.360	1.360	1.360	1.360
	4th		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	OD		0.821	0.821	0.760	0.821	0.821	0.821	0.811	0.760	0.760	0.811
	Reverse		3.657	3.657	3.636	3.657	3.657	3.657	3.636	3.636	3.636	3.636
Number of teeth												
Mainshaft	Drive		21	21	22	21	21	21	22	22	22	22
	1st		33	33	32	34	33	33	32	32	32	32
	2nd		28	28	30	28	28	28	30	30	30	30
	3rd		26	26	29	26	26	26	29	29	29	29
	OD		21	21	23	21	21	21	24	23	23	24
	Reverse		36	36	30	36	36	36	30	30	30	30
Countershaft	Drive		32	32	32	32	32	32	32	32	32	32
	1st		14	14	13	13	14	14	13	13	13	13
	2nd		19	19	21	19	19	19	21	21	21	21
	3rd		28	28	31	28	28	28	31	31	31	31
	OD		39	39	44	39	39	39	43	44	44	43
	Reverse		15	15	12	15	15	15	12	12	12	12
Reverse idler gear			21		22	21			22			
Oil capacity ℓ (Imp pt)			2.0 (3-1/2)		2.8 (4-7/8)	2.0 (3-1/2)	4.9 (8-5/8)		5.1 (9)			
Remarks	Sub-gear	Counter drive gear	Installed		Not installed	Installed						
		Reverse idler gear	Installed		Not installed		Installed		Not installed	Installed		
	Double baulk ring type synchronizer		Not installed	2nd and 3rd gears		Not installed		2nd and 3rd gears				
	Reverse synchronizer		Installed									

\*: For Europe and the Middle East (Opt: Final drive gear ratio 4.625)

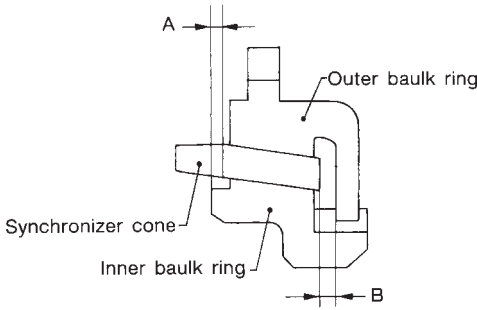
Clearance Between Baulk Ring and Gear

Unit: mm (in)

Transmission model	FS5W71C		FS5R30A	
Standard	1st & 2nd	1.20 - 1.60 (0.0473 - 0.0629)	1st	1.05 - 1.3 (0.0414 - 0.0511)
	3rd & main drive		Main drive	
	Overdrive	1.10 - 1.55 (0.0433 - 0.0610)	Overdrive	-0.1 to 0.35 (-0.0039 to 0.0138)
	Reverse		Reverse	
Wear limit	1st & 2nd	0.80 (0.0315)	1st	0.7 (0.028)
	3rd & main drive		Main drive	
	Overdrive	0.70 (0.0276)	Overdrive	
	Reverse		Reverse	

2nd & 3rd Baulk Ring

Unit: mm (in)



SMT733C

Transmission model	Dimension	Standard	Wear limit
FS5W71C* & FS5R30A	A	0.7 - 0.9 (0.028 - 0.035)	0.2 (0.008)
	B	0.6 - 1.1 (0.024 - 0.043)	

\*: FS5W71C; For Europe