

<SUPPLEMENT-IV>

MANUAL TRANSMISSION

SECTION **MT**

MODIFICATION NOTICE:

- FS5W71C and FS5R30A transmission model service data has been changed.

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MT

SERVICE DATA AND SPECIFICATIONS (SDS)

General Specifications

Applied model			2WD		4WD		
			KA24DE	YD25DDTi	KA24DE	YD25DDTi	
Transmission model			FS5W71C	FS5R30A	FS5W71C	FS5R30A	
Transmission model code number			VJ301	VK505	VJ361	VK511	
Number of speed			5				
Shift pattern							
Synchronmesh type			Warner				
Gear ratio							
	1st		3.592	3.580	3.592	3.580	
	2nd		2.246	2.077	2.246	2.077	
	3rd		1.415	1.360	1.415	1.360	
	4th		1.000	1.000	1.000	1.000	
	OD		0.821	0.760	0.821	0.760	
	Reverse		3.657	3.636	3.657	3.636	
Number of teeth							
Mainshaft	Drive		21	22	21	22	
	1st		33	32	33	32	
	2nd		28	30	28	30	
	3rd		26	29	26	29	
	OD		21	23	21	23	
	Reverse		36	30	36	30	
Countershaft	Drive		32	32	32	32	
	1st		14	13	14	13	
	2nd		19	21	19	21	
	3rd		28	31	28	31	
	OD		39	44	39	44	
	Reverse		15	12	15	12	
Reverse idler gear			21	22	21	22	
Oil capacity			ℓ (Imp pt)	2.0 (3-1/2)	2.8 (4-7/8)	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		
	Double baulk ring type synchronizer		2nd and 3rd gears				
	Reverse synchronizer		Installed				

SERVICE DATA AND SPECIFICATIONS (SDS)

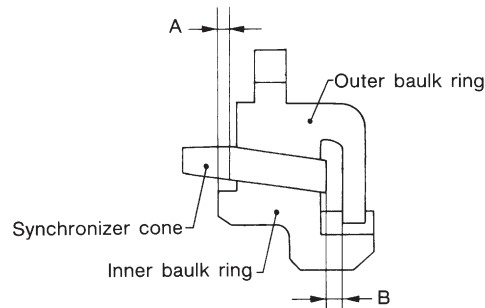
Clearance Between Baulk Ring and Gear

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		Overdrive	
	Reverse	1.10 - 1.55 (0.0433 - 0.0610)	Reverse	-0.1 to 0.35 (-0.0039 to 0.0138)
Wear limit	1st & 2nd	0.80 (0.0315)	1st	0.7 (0.028)
	3rd & main drive		Main drive	
	Overdrive	Overdrive		
	Reverse	0.70 (0.0276)	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