

MANUAL TRANSAXLE

B3E055001029101

Item				Specification
Transaxle type				F35M-R
Thrust clearance	1st gear	Clearance	(mm {in})	0.05-0.28 {0.002-0.011}
		Maximum	(mm {in})	0.33 {0.013}
	2nd gear	Clearance	(mm {in})	0.18-0.51 {0.007-0.020}
		Maximum	(mm {in})	0.56 {0.022}
	3rd gear	Clearance	(mm {in})	0.06-0.21 {0.002-0.008}
		Maximum	(mm {in})	0.26 {0.010}
	4th gear	Clearance	(mm {in})	0.21-0.61 {0.008-0.024}
		Maximum	(mm {in})	0.66 {0.026}
	5th gear	Clearance	(mm {in})	0.06-0.26 {0.0024-0.0102}
		Maximum	(mm {in})	0.31 {0.0122}
Oil clearance	1st gear	1st gear inner diameter	(mm {in})	39.50-39.52 {1.555-1.556}
		Secondary shaft outer diameter	(mm {in})	39.45-39.47 {1.553-1.554}
		Clearance	(mm {in})	0.03-0.07 {0.002-0.003}
	2nd gear	2nd gear inner diameter	(mm {in})	35.20-35.22 {1.386-1.387}
		Secondary shaft outer diameter	(mm {in})	35.15-35.17 {1.384-1.385}
		Clearance	(mm {in})	0.03-0.07 {0.002-0.003}
	3rd gear	3rd gear inner diameter	(mm {in})	35.21-35.23 {1.386-1.387}
		Primary shaft outer diameter	(mm {in})	35.15-35.17 {1.384-1.385}
		Clearance	(mm {in})	0.040-0.080 {0.0016-0.0031}
	4th gear	4th gear inner diameter	(mm {in})	32.01-31.03 {1.260-1.261}
		Primary shaft outer diameter	(mm {in})	31.95-31.97 {1.258-1.259}
		Clearance	(mm {in})	0.040-0.080 {0.0016-0.0031}
	5th gear	5th gear inner diameter	(mm {in})	34.01-34.03 {1.3390-1.3397}
		Sleeve outer diameter	(mm {in})	33.94-33.97 {1.3363-1.3374}
		Clearance	(mm {in})	0.04-0.09 {0.0016-0.0035}

Shift fork and hub sleeve	Clearance between 1st/2nd shift fork and hub sleeve	Standard	(mm {in})	0.10-0.36 {0.004-0.014}
		Maximum	(mm {in})	0.86 {0.034}
	Clearance between 3rd/4th shift fork and hub sleeve	Standard	(mm {in})	0.20-0.50 {0.008-0.020}
		Maximum	(mm {in})	1.00 {0.039}
	Clearance between 5th shift fork and hub sleeve	Standard	(mm {in})	0.40-0.75 {0.016-0.029}
		Maximum	(mm {in})	1.25 {0.049}
Synchronizer ring	Clearance between 1st/2nd synchronizer ring and flank surface of gear	Standard	(mm {in})	1.30 -1.70 {0.052-0.066}
		Maximum	(mm {in})	1.00 {0.039}
	Clearance between 3rd/4th synchronizer ring and flank surface of gear	Standard	(mm {in})	1.12 -1.88 {0.044-0.074}
		Maximum	(mm {in})	0.80 {0.031}
	Clearance between 5th/Reverse synchronizer ring and flank surface of gear	Standard	(mm {in})	1.12 -1.88 {0.044-0.074}
		Maximum	(mm {in})	0.80 {0.031}
Synchronizer key	1st/2nd	Length	(mm {in})	19.00 {0.748}
		Height	(mm {in})	4.25 {0.167}
		Thickness	(mm {in})	5.00 {0.197}
	3rd/4th	Length	(mm {in})	17.00 {0.669}
		Height	(mm {in})	4.25 {0.167}
		Thickness	(mm {in})	5.00 {0.197}
	5th/Reverse	Length	(mm {in})	17.00 {0.669}
		Height	(mm {in})	4.25 {0.167}
		Thickness	(mm {in})	5.00 {0.197}
Reverse idle gear and reverse lever	Clearance between reverse idle gear bushing and reverse lever	Standard	(mm {in})	0.10-0.32 {0.004-0.013}
		maximum	(mm {in})	0.37 {0.015}
Primary shaft gear	Runout		(mm {in})	0.050 {0.0020} max.
	Thrust clearance		(mm {in})	0.005-0.100 {0.0002-0.0039}
	Preload adjust shims		(mm {in})	0.10 {0.004}, 0.20 {0.008}, 0.30 {0.012}, 0.40 {0.016}, 0.50 {0.020}, 0.60 {0.024}
Secondary shaft gear	Runout		(mm {in})	0.015 {0.0006} max.
	Preload adjust shims		(mm {in})	0.15 {0.006}, 0.20 {0.008}, 0.25 {0.010}, 0.30 {0.012}, 0.35 {0.014}, 0.40 {0.016}, 0.45 {0.018}, 0.50 {0.020}, 0.55 {0.022}, 0.60 {0.024}, 0.65 {0.026}, 0.70 {0.028}
Differential	Differential bearing preload		(N·m {kgf·cm, in·lbf})	0.03-2.00 {0.3-20, 0.26-14.7}
	Side bearing preload adjustment shims		(mm {in})	0.10 {0.004}, 0.15 {0.006}, 0.20 {0.008}, 0.25 {0.010}, 0.30 {0.012}, 0.35 {0.014}, 0.40 {0.016}, 0.45 {0.018}, 0.50 {0.020}, 0.55 {0.022}, 0.60 {0.024}, 0.65 {0.026}, 0.70 {0.028}, 0.75 {0.030}, 0.80 {0.031}, 0.85 {0.033}, 0.90 {0.035},
		Standard	(mm {in})	0-0.1 {0-0.004}

	Backlash of side gear and pinion gear	Thrust washer thickness	(mm {in})	2.0 {0.079}, 2.1 {0.083}, 2.2 {0.087}
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