

# MANUAL TRANSAXLE

A6E931001029M01

Item				Specification
Transaxle type				G35M-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})	0.18-0.46 {0.007-0.018}
		Maximum	(mm {in})	0.51 {0.020}
	3rd gear	Clearance	(mm {in})	0.05-0.20 {0.002-0.007}
		Maximum	(mm {in})	0.25 {0.010}
	4th gear	Clearance	(mm {in})	0.17-0.37 {0.007-0.014}
		Maximum	(mm {in})	0.42 {0.017}
	5th gear	Clearance	(mm {in})	0.100-0.220 {0.0040-0.0086}
		Maximum	(mm {in})	0.270 {0.0106}
Oil clearance	1st gear	1st gear inner diameter	(mm {in})	39.500-39.525 {1.555-1.556}
		Secondary shaft outer diameter	(mm {in})	39.445-39.470 {1.553-1.554}
		Clearance	(mm {in})	0.030-0.080 {0.002-0.003}
	2nd gear	2nd gear inner diameter	(mm {in})	35.015-35.035 {1.378-1.379}
		Secondary shaft outer diameter	(mm {in})	34.945-34.905 {1.376-1.374}
		Clearance	(mm {in})	0.05-0.09 {0.002-0.003}
	3rd gear	3rd gear inner diameter	(mm {in})	36.000-36.025 {1.417-1.418}
		Primary shaft outer diameter	(mm {in})	35.945-35.970 {1.415-1.416}
		Clearance	(mm {in})	0.030-0.080 {0.001-0.003}
	4th gear	4th gear inner diameter	(mm {in})	31.000-31.025 {1.220-1.221}
		Primary shaft outer diameter	(mm {in})	30.945-30.970 {1.218-1.219}
		Clearance	(mm {in})	0.030-0.080 {0.001-0.003}
	5th gear	5th gear inner diameter	(mm {in})	34.000-34.025 {1.3386-1.3395}
		Sleeve outer diameter	(mm {in})	33.945-33.970 {1.3365-1.3373}
		Clearance	(mm {in})	0.030-0.080 {0.0012-0.0031}

Shift fork and hub sleeve	Clearance between 1st/2nd shift fork and hub sleeve	Standard	(mm {in})	0.10-0.45 {0.004-0.017}
		Maximum	(mm {in})	0.95 {0.037}
	Clearance between 3rd/4th shift fork and hub sleeve	Standard	(mm {in})	0.10-0.40 {0.004-0.015}
		Maximum	(mm {in})	0.90 {0.035}
	Clearance between 5th shift fork and hub sleeve	Standard	(mm {in})	0.10-0.36 {0.004-0.014}
		Maximum	(mm {in})	0.86 {0.034}
Synchronizer ring	Clearance between synchronizer ring and flank surface of gear	Standard	(mm {in})	1.50 {0.059}
		Maximum	(mm {in})	0.80 {0.031}
Reverse idle gear and reverse lever	Clearance between reverse idle gear bushing and reverse lever	Standard	(mm {in})	0.10-0.35 {0.004-0.013}
		maximum	(mm {in})	0.85 {0.033}
Primary shaft gear	Runout		(mm {in})	0.050 {0.0020}max.
	Bearing preload		(N·m {kgf·cm, in·lbf})	0.12-0.39 {1.2-4.0, 1.05-3.47}
	Preload adjust shims		(mm {in})	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}
Secondary shaft gear	Runout		(mm {in})	0.015 {0.0006}max.
	Bearing preload		(N·m {kgf·cm, in·lbf})	0.2-0.3 {2.0-4.0, 1.8-3.4}
	Preload adjust shims		(mm {in})	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})	1.4-1.9 {14-20, 13-17}
	Preload adjust shims		(mm {in})	0.1 {0.004}, 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}, 0.95 {0.037}, 1.0 {0.039}, 1.05 {0.041}, 1.10 {0.043}, 1.15 {0.045}, 1.20 {0.047}
	Backlash of side gear and pinion gear	Standard	(mm {in})	0.050-0.150 {0.0020-0.059}