

TRANSMISSION/TRANSAXLE TECHNICAL DATA

id055000800100

Manual Transaxle

	Item	Specification
Manual transaxle oil	Grade	API service GL-4
	Viscosity	SAE 75W-80
	Capacity (approx. quantity)	1.65 L {1.74 US qt, 1.45 Imp qt}

Gear Thrust Clearance

Measurement location	Specification (mm {in})	Maximum (mm {in})
3rd gear	0.257 {0.0101}	0.417 {0.0164}
4th gear	0.325 {0.0128}	0.489 {0.0193}
5th gear	0.192 {0.00756}	0.324 {0.0128}
6th gear	0.262 {0.0103}	0.398 {0.0157}
Secondary 1st gear	0.174 {0.00685}	0.291 {0.0115}
Secondary 2nd gear	0.174 {0.00685}	0.294 {0.0116}

Gear Inner Diameter

Measurement location	Specification (mm {in})	Maximum (mm {in})
3rd gear	37.01 {1.4571}	37.02 {1.4575}
4th gear	32.81 {1.2917}	32.82 {1.2921}
5th gear	42.01 {1.6539}	42.02 {1.6543}
6th gear	37.01 {1.4571}	37.02 {1.4575}
Secondary 1st gear	41.512 {1.6343}	41.525 {1.6348}
Secondary 2nd gear	46.534 {1.8320}	46.544 {1.8324}

Gear Sleeve Outer Diameter

Specification (mm {in})	Minimum (mm {in})
46.444 {1.8285}	46.434 {1.8281}

Gear Shaft Runout

Measurement location	Maximum (mm {in})
Primary shaft	0.05 {0.002}

Measurement location	Maximum (mm {in})
Secondary shaft	0.05 {0.002}

Gear Shaft Outer Diameter

	Measurement location	Specification (mm {in})	Minimum (mm {in})
Primary shaft	3rd gear assembly part	36.97 {1.4555}	36.96 {1.4551}
	4th gear assembly part	32.77 {1.2902}	32.76 {1.2898}
	5th gear assembly part	41.97 {1.6524}	41.96 {1.652}
	6th gear assembly part	36.97 {1.4555}	36.96 {1.4551}
Secondary shaft	Secondary 1st gear assembly part	41.457 {1.6322}	41.445 {1.6317}
	Secondary 2nd gear assembly part	39.276 {1.5463}	39.266 {1.5459}

Differential Case Journal Inner Diameter

Measurement location	Maximum (mm {in})
Differential case journal	33.545 {1.3207}

Drive Shaft Journal Outer Diameter

Measurement location	Minimum (mm {in})
Drive shaft journal	33.444 {1.3167}

Synchronizer Clearance

Measurement location	Specification (mm {in})	Minimum (mm {in})
Synchronizer ring (1GR)	0.94 {0.037}	0.55 {0.022}
Synchronizer ring (2GR)	0.94 {0.037}	0.55 {0.022}
Synchronizer ring (3GR)	0.97 {0.038}	0.32 {0.013}
Synchronizer ring (4GR)	1.05 {0.0413}	0.40 {0.016}
Synchronizer ring (5GR)	1.15 {0.0453}	0.50 {0.020}
Synchronizer ring (6GR)	1.15 {0.0453}	0.50 {0.020}
Synchronizer ring (reverse)	0.95 {0.037}	0.49 {0.019}

Shift Fork and Clutch Hub Sleeve Clearance

Specification (mm {in})	Maximum (mm {in})
0.225 {0.00886}	0.40 {0.016}

Bearing Preload

Item	Specification (N·m {kgf·cm, in·lbf})
differential preload	0.7—1.7 {7.2—17, 6.2—15}

Differential Gear Backlash

Item	Specification (mm {in})
pinion gear backlash	0.05—0.15 {0.002—0.005}

Adjust Shim Size

Reverse idler gear (mm {in})

3.150 {0.1240}	3.100 {0.1220}	3.050 {0.1201}	2.950 {0.1161}
2.900 {0.1142}	2.850 {0.1122}	-	-

Primary shaft (mm {in})

1.550 {0.06102}	1.500 {0.05906}	1.450 {0.05709}	1.400 {0.05512}
1.350 {0.05315}	1.300 {0.05118}	1.250 {0.04921}	1.200 {0.04724}
1.150 {0.04528}	1.100 {0.04331}	1.050 {0.04134}	1.000 {0.03937}
0.950 {0.0374}	0.900 {0.0354}	0.850 {0.0335}	0.800 {0.0315}

0.750 {0.0295}	0.700 {0.0276}	0.650 {0.0256}	-
----------------	----------------	----------------	---

Secondary shaft (mm {in})

1.500 {0.05906}	1.450 {0.05709}	1.400 {0.05512}	1.350 {0.05315}
1.300 {0.05118}	1.250 {0.04921}	1.200 {0.04724}	1.150 {0.04528}
1.100 {0.04331}	1.050 {0.04134}	1.000 {0.03937}	0.950 {0.0374}
0.900 {0.0354}	0.850 {0.0335}	0.800 {0.0315}	0.750 {0.0295}
0.700 {0.0276}	-	-	-

Differential (mm {in})

1.350 {0.05315}	1.300 {0.05118}	1.250 {0.04921}	1.200 {0.04724}
1.150 {0.04528}	1.100 {0.04331}	1.050 {0.04134}	1.000 {0.03937}
0.950 {0.0374}	0.900 {0.0354}	0.850 {0.0335}	0.800 {0.0315}
0.750 {0.0295}	0.700 {0.0276}	0.650 {0.0256}	0.600 {0.0236}
0.550 {0.0217}	0.50 {0.0197}	-	-

Differential thrust washer size (mm {in})

0.95 {0.037}	0.90 {0.035}	0.85 {0.033}	0.80 {0.031}
0.75 {0.030}	-	-	-