
TRANSMISSION/TRANSAXLE TECHNICAL DATA

id055000800100

Manual Transaxle

	Item	Specification
Manual transaxle oil	Grade	API service GL-4
	Viscosity	SAE 75W-80
	Capacity (approx. quantity)	2.40 L {2.54 US qt, 2.11 Imp qt}

Gear Thrust Clearance

Measurement location	Specification (mm {in})	Maximum (mm {in})
5th gear	0.227 {0.00894}	0.303 {0.0119}
6th gear	0.208 {0.00819}	0.299 {0.0118}
Secondary 1st gear	0.168 {0.00661}	0.250 {0.00984}
Secondary 2nd gear	0.240 {0.00945}	0.312 {0.0123}
Secondary 3rd gear	0.331 {0.0130}	0.433 {0.0170}
Secondary 4th gear	0.224 {0.00882}	0.315 {0.0124}
Reverse idler gear	0.20 {0.00787}	0.291 {0.0115}

Gear Inner Diameter

Measurement location	Specification (mm {in})	Maximum (mm {in})
5th gear	32.810 {1.2917}	32.820 {1.2921}
6th gear	44.013 {1.7328}	44.025 {1.7333}
Secondary 1st gear	56.010 {2.2051}	56.020 {2.2055}
Secondary 2nd gear	37.013 {1.4572}	37.025 {1.4577}
Secondary 3rd gear	43.413 {1.7092}	43.425 {1.7096}
Secondary 4th gear	57.015 {2.2447}	57.030 {2.2453}
Reverse gear	45.948 {1.8090}	45.955 {1.8093}
Reverse idler gear	50.510 {1.9886}	50.520 {1.9890}

Reverse Gear Outer Diameter

Specification (mm {in})	Minimum (mm {in})
52.981 {2.0859}	52.971 {2.0855}

Inner Race Inner Diameter

Specification (mm {in})	Minimum (mm {in})
40.334 {1.5880}	40.342 {1.5883}

Inner Race Outer Diameter

Specification (mm {in})	Minimum (mm {in})
48.938 {1.9267}	48.930 {1.9264}

Gear Shaft Runout

Measurement location	Maximum (mm {in})
Primary shaft	0.030 {0.0012}
Secondary shaft No.1	
Secondary shaft No.2	

Gear Shaft Outer Diameter

Measurement location		Specification (mm {in})	Minimum (mm {in})
Primary shaft	5th gear assembly part	34.035 {1.3400}	33.945 {1.3364}
	6th gear assembly part	38.983 {1.5348}	38.975 {1.5344}
Secondary shaft No. 1	Secondary 3rd gear assembly part	43.358 {1.7070}	43.345 {1.7065}
	Reverse gear assembly part	45.983 {1.8104}	45.975 {1.8100}
Secondary shaft No. 2	Secondary 2nd gear assembly part	36.958 {1.4550}	36.945 {1.4545}
	Inner race assembly part	40.383 {1.5899}	40.375 {1.5896}
	Reverse idler gear assembly part	43.483 {1.7119}	43.475 {1.7116}

Differential Case Journal Inner Diameter

Measurement location	Maximum (mm {in})
Differential case journal	33.546 {1.3207}

Drive Shaft Journal Outer Diameter

Measurement location	Minimum (mm {in})
Drive shaft journal (LH)	33.459 {1.3173}

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

Synchronizer Clearance

Measurement location	Specification (mm {in})	Minimum (mm {in})
Synchronizer ring (1GR)	0.965 {0.0380}	0.50 {0.01969}
Synchronizer ring (2GR)	0.965 {0.0380}	0.50 {0.01969}
Synchronizer ring (3GR)	1.145 {0.04508}	0.40 {0.01575}
Synchronizer ring (4GR)	1.145 {0.04508}	0.40 {0.01575}
Synchronizer ring (5GR)	0.975 {0.0384}	0.50 {0.01969}
Synchronizer ring (6GR)	0.975 {0.0384}	0.50 {0.01969}
Synchronizer ring (reverse)	0.985 {0.0388}	0.50 {0.01969}

Shift Fork and Clutch Hub Sleeve Clearance

Measurement location	Specification (mm {in})	Maximum (mm {in})
Shift fork (1GR/2GR)	0.225 {0.00886}	0.40 {0.0157}
Shift fork (3GR/4GR)		
Shift fork (5GR/6GR)		
Shift fork (reverse)		

Bearing Preload

Item	Specification (N·m {kgf·cm, in·lbf})
differential preload	2.7—3.9 {28—39, 24—34}

Differential Gear Backlash

Item	Specification (mm {in})
pinion gear backlash	0.02—0.14 {0.0008—0.0055}

Adjust Shim Size

Primary shaft (mm {in})

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}	0.500 {0.0197}
0.450 {0.0177}	0.400 {0.0157}	0.350 {0.0138}	0.300 {0.0118}

Secondary shaft No.2 (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}	0.650 {0.0256}	0.600 {0.0236}	-

Differential (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}	0.600 {0.0236}
0.550 {0.0217}	-	-	-

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}	-	-	-