

PRODEMAND

YMMS: 2007 Honda Odyssey EX-L
 Engine: 3.5L Eng
 VIN: 5FNRL38757B413870

Feb 23, 2022
 License:
 Odometer:

AUTOMATIC TRANSMISSION AND A/T DIFFERENTIAL

AUTOMATIC TRANSMISSION AND A/T DIFFERENTIAL SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service Limit
Automatic transmission fluid	Capacity Use Honda ATF-Z1	Fluid change	3.1 L (3.3USqt)	
		Overhaul	7.6 L (8.0 US qt)	
ATF pressure	Line pressure	At 2, 000 rpm in N or P	950-1, 010 kPa (9.7-10.3 kgf/cm ² , 140-146 psi)	900 kPa (9.2 kgf/cm ² , 130 psi)
	5th clutch pressure	At 2, 000 rpm in 5th gear in D	940-1, 020 kPa (9.6-10.4 kgf/cm ² , 140-148 psi)	890 kPa (9.1 kgf/cm ² , 130 psi)
	4th clutch pressure	At 2, 000 rpm in 4th gear in D	940-1, 020 kPa (9.6-10.4 kgf/cm ² , 140-148 psi)	890 kPa (9.1 kgf/cm ² , 130psi)
	3rd clutch pressure	At 2, 000 rpm in 3rd gear in D	940-1, 020 kPa (9.6-10.4 kgf/cm ² , 140-148 psi)	890 kPa (9.1 kgf/cm ² , 130 psi)
	2nd clutch pressure	At 2, 000 rpm in 2	940-1, 020 kPa	890 kPa

			(9.6-10.4 kgf/cm ² , 140-148 psi)	(9.1 kgf/cm ² , 130 psi)
	1st clutch pressure	At 2, 000 rpm in 1	940-1, 020 kPa (9.6-10.4 kgf/cm ² , 140-148 psi)	890 kPa (9.1 kgf/cm ² , 130 psi)
	1st-hold clutch pressure	At 2, 000 rpm in 1	677-755 kPa (6.9- 7.7 kgf/cm ² , 98- 110 psi)	628 kPa (6.4 kgf/cm ² , 91 psi)
Torque converter	Stall speed Check with vehicle on level ground		1, 850 rpm	1, 700-2, 000 rpm
Clutch	Clearance between clutch end-plate and top disc	1st	1.15-1.35 mm (0.045-0.053 in.)	--
		2nd	1.05-1.25 mm (0.041-0.049 in.)	--
		3rd	0.80-1.00 mm (0.031-0.039 in.)	--
		4th	0.75-0.95 mm (0.030-0.037 in.)	--
		5th	0.75-0.95 mm (0.030-0.037 in.)	--
		1st-hold	0.60-1.00 mm (0.024-0.039 in.)	--
	Clutch return spring free length	1st	68.3 mm (2.69 in.)	66.3 mm (2.61 in.)
		2nd	48.3 mm (1.90 in.)	46.3 mm (1.82 in.)

	3rd	52.0 mm (2.05 in.)	50.0 mm (1.97 in.)
	4th	37.4 mm (1.47 in.)	35.4 mm (1.39 in.)
	5th	47.9 mm (1.89 in.)	45.9 mm (1.81 in.)
Clutch disc thickness		1.94 mm (0.076 in.)	--
Clutch plate thickness	1st	1.6 mm (0.063 in.)	When discolored
	2nd	1.8 mm (0.071 in.)	When discolored
	3rd	2.0 mm (0.079 in.)	When discolored
	4th	1.6 mm (0.063 in.)	When discolored
	5th	1.6 mm (0.063 in.)	When discolored
	1st-hold	1.8 mm (0.071 in.)	When discolored
1st clutch end-plate thickness	Mark 1	3.1 mm (0.122 in.)	When discolored
	Mark 2	3.2 mm (0.126 in.)	When discolored
	Mark 3	3.3 mm (0.130 in.)	When discolored

	Mark 4	3.4 mm (0.134 in.)	When discolored
	Mark 5	3.5 mm (0.138 in.)	When discolored
	Mark 6	3.6 mm (0.142 in.)	When discolored
	Mark 7	3.7 mm (0.146 in.)	When discolored
	Mark 8	3.8 mm (0.150 in.)	When discolored
	Mark 9	3.9 mm (0.154 in.)	When discolored
1st-hold clutch plate B thickness		5.0 mm (0.197 in.)	When discolored
2nd, 3rd, 4th, 5th clutch end-plate thickness	Mark 1	2.1 mm (0.083 in.)	When discolored
	Mark 2	2.2 mm (0.087 in.)	When discolored
	Mark 3	2.3 mm (0.091 in.)	When discolored
	Mark 4	2.4 mm (0.094 in.)	When discolored
	Mark 5	2.5 mm (0.098 in.)	When discolored
	Mark 6	2.6 mm (0.102 in.)	When discolored

		Mark 7	2.7 mm (0.106 in.)	When discolored
		Mark 8	2.8 mm (0.110 in.)	When discolored
		Mark 9	2.9 mm (0.114 in.)	When discolored
Stator shaft	I.D. at needle bearing contact area	Torque converter side	27.000-27.021 mm (1.063-1.064 in.)	When worn or damaged
		ATF pump side	31.000-31.025 mm (1.220-1.221 in.)	--
	I.D. at mainshaft sealing ring contact area		31.000-31.025 mm (1.220-1.221 in.)	31.05 mm (1.222 in.)
ATF pump	ATF pump thrust clearance		0.03-0.06 mm (0.001-0.002 in.)	0.07 mm (0.003 in.)
	Clearance between ATF pump gear and body	Drive gear	0.210-0.265 mm (0.008-0.010 in.)	--
		Driven gear	0.070-0.125 mm (0.003-0.005 in.)	--
	ATF pump driven gear I.D.		14.016-14.034 mm (0.5518-0.5525 in.)	When worn or damaged
	ATF pump driven gear shaft O.D.		13.980-13.990 mm (0.5504-0.5508 in.)	When worn or damaged
Reverse shift fork	Fork finger thickness		5.90-6.00 mm (0.320-0.236 in.)	5.4 mm (0.213 in.)

Park gear and pawl	--	--	When worn or damaged
Regulator valve body	Shift fork shaft bore I.D.	14.000-14.010 mm (0.5512-0.5516 in.)	--
	Shift fork shaft/servo valve bore I.D.	37.000-37.039 mm (1.4567-1.4582 in.)	37.045 mm (1.4585 in.)
	Mainshaft sealing ring contact I.D.	31.000-31.025 mm (1.220-1.221 in.)	31.05 mm (1.222 in.)
Main valve body	Intermediary shaft sealing ring contact I.D.	35.000-35.025 mm (1.3780-1.3789 in.)	35.05 mm (1.3799 in.)
ATF guide collar	Secondary shaft sealing ring contact I.D.	29.000-29.021 mm (1.1417-1.1426 in.)	29.05 mm (1.1437 in.)
Mainshaft	Diameter at stator shaft needle bearing contact area	22.984-23.000 mm (0.9049-0.9055 in.)	When worn or damaged
	5th gear collar diameter at needle bearing contact area	39.981-39.991 mm (1.5741-1.5744 in.)	When worn or damaged
	5th gear collar length	48.7-48.8 mm (1.917-1.921 in.)	--
	5th gear collar flange thickness	4.5-4.7 mm (0.18-0.19 in.)	When worn or damaged
	5th gear I.D.	46.000-46.016 mm (1.8110-1.8116 in.)	When worn or damaged
	5th gear axial clearance	0.10-0.22 mm (0.004-0.009 in.)	--

	31 mm sealing ring thickness		1.90-1.96 mm (0.075-0.077 in.)	1.85 mm (0.073 in.)	
	Sealing ring groove width		2.025-2.060 mm (0.080-0.081 in.)	2.08 mm (0.082 in.)	
Countershaft	Diameter at needle bearing contact area	Torque converter housing bearing	40.505-40.515 mm (1.5947-1.5951 in.)	When worn or damaged	
		5th gear	34.975-34.991 mm (1.3770-1.3776 in.)	When worn or damaged	
	Diameter of 2nd gear at needle bearing contact area		61.975-61.991 mm (2.4400-2.4406 in.)	When worn or damaged	
	Reverse gear collar O.D.		39.979-40.000 mm (1.5740-1.5748 in.)	When worn or damaged	
	Reverse selector hub O.D.		55.885-55.900 mm (2.200-2.201 in.)	When worn or damaged	
	Cotter thickness		1.99-2.02 mm (0.078-0.080 in.)	--	
	I.D. of gears	5th gear		41.000-41.016 mm (1.6142-1.6148 in.)	When worn or damaged
		Idler gear		70.000-70.019 mm (2.7559-2.7566 in.)	When worn or damaged
		Reverse gear		46.000-46.016 mm (1.8110-1.8116 in.)	When worn or damaged
	Axial clearance of gears	2nd gear		0.005-0.040 mm (0.0002-0.0016 in.)	--
5th gear			0.12-0.27 mm	--	

		(0.0047-0.0106 in.)	
	Idler gear	0.005-0.040 mm (0.0002-0.0016 in.)	--
	Reverse gear	0.10-0.25 mm (0.0039-0.0098 in.)	--
61 mm washer thickness	A	1.525 mm (0.0600 in.)	When worn or damaged
	B	1.505 mm (0.0593 in.)	When worn or damaged
	C	1.485 mm (0.0585 in.)	When worn or damaged
	D	1.465 mm (0.0577 in.)	When worn or damaged
	E	1.445 mm (0.0569 in.)	When worn or damaged
	F	1.425 mm (0.0561 in.)	When worn or damaged
	G	1.405 mm (0.0553 in.)	When worn or damaged
50.8 mm washer thickness	A	1.91 mm (0.0752 in.)	When worn or damaged
	B	1.93 mm (0.0760 in.)	When worn or damaged
	C	1.95 mm (0.0768 in.)	When worn or damaged

D	1.97 mm (0.0776 in.)	When worn or damaged
E	1.99 mm (0.0783 in.)	When worn or damaged
F	2.01 mm (0.0791 in.)	When worn or damaged
G	2.03 mm (0.0799 in.)	When worn or damaged
H	2.05 mm (0.0807 in.)	When worn or damaged
I	2.07 mm (0.0815 in.)	When worn or damaged
J	2.09 mm (0.0823 in.)	When worn or damaged
K	2.11 mm (0.0831 in.)	When worn or damaged
L	2.13 mm (0.0839 in.)	When worn or damaged
M	2.15 mm (0.0846 in.)	When worn or damaged
N	2.17 mm (0.0854 in.)	When worn or damaged
O	2.19 mm (0.0862 in.)	When worn or damaged
P	2.21 mm (0.0870 in.)	When worn or damaged

	Q	2.23 mm (0.0878 in.)	When worn or damaged
	R	2.25 mm (0.0886 in.)	When worn or damaged
	S	2.27 mm (0.0894 in.)	When worn or damaged
	T	2.29 mm (0.0902 in.)	When worn or damaged
	U	2.31 mm (0.0909 in.)	When worn or damaged
	V	2.33 mm (0.0917 in.)	When worn or damaged
	w	2.35 mm (0.0925 in.)	When worn or damaged
	X	2.37 mm (0.0933 in.)	When worn or damaged
	Y	2.39 mm (0.0941 in.)	When worn or damaged
	Z	2.41 mm (0.0949 in.)	When worn or damaged
	AA	2.43 mm (0.0957 in.)	When worn or damaged
	AB	2.45 mm (0.0965 in.)	When worn or damaged
35 x 47 mm thrust		2.97-3.00 mm	When worn

	washer thickness		(0.1169-0.1181 in.)	or damaged
Secondary shaft	Diameter at needle bearing contact area	2nd gear	43.986-43.999 mm (1.7317-1.7322 in.)	When worn or damaged
		Torque converter housing bearing	32.002-32.015 mm (1.2599-1.2604 in.)	When worn or damaged
		Torque converter housing bearing (shaft end side)	28.592-28.608 mm (1.1257-1.1263 in.)	When worn or damaged
	Diameter of 1st gear collar at needle bearing contact area		38.981-38.991 mm (1.5347-1.5351 in.)	When worn or damaged
	I.D. of gears	1st gear	44.000-44.013 mm (1.7323-1.7328 in.)	When worn or damaged
		2nd gear	50.00-50.02 mm (1.9685-1.9693 in.)	When worn or damaged
	Axial clearance of gears	1st gear	0.100-0.145 mm (0.0039-0.0057 in.)	--
		2nd gear	0.060-0.488 mm (0.0024-0.0192 in.)	--
	52 mm thrust washer thickness	A	2.705 mm (0.106 in.)	When worn or damaged
		B	2.680 mm (0.106 in.)	When worn or damaged
C		2.655 mm (0.105 in.)	When worn or damaged	
D		2.630 mm (0.104 in.)	When worn	

		in.)	or damaged
	E	2.605 mm (0.103 in.)	When worn or damaged
	F	2.580 mm (0.102 in.)	When worn or damaged
	G	2.555 mm (0.101 in.)	When worn or damaged
	H	2.530 mm (0.100 in.)	When worn or damaged
	I	2.505 mm (0.099 in.)	When worn or damaged
	J	2.480 mm (0.098 in.)	When worn or damaged
	K	2.455 mm (0.097 in.)	When worn or damaged
	L	2.430 mm (0.096 in.)	When worn or damaged
	M	2.405 mm (0.095 in.)	When worn or damaged
	1st gear collar length	63.3-63.4 mm (2.4921-2.4961 in.)	--
	2nd gear splined washer thickness	8.966-9.010 mm (0.353-0.355 in.)	--
	29 mm sealing ring thickness	1.91-1.97 mm (0.075-0.078 in.)	1.86 mm (0.073 in.)

Sealing ring groove width		2.025-2.060 mm (0.080-0.081 in.)	2.08 mm (0.082 in.)
ATF feed pipe O.D.	1st clutch	11.47-11.48 mm (0.4516-0.4520 in.)	11.45 mm (0.4508 in.)
	1st-hold clutch	5.97-5.98 mm (0.2350-0.2354 in.)	5.95 mm (0.2343 in.)
Feed pipe bushing I.D.	1st clutch	11.518-11.530 mm (0.4535-0.4539 in.)	11.545 mm (0.4545 in.)
	1st-hold clutch	6.018-6.030 mm (0.2369-0.2374 in.)	6.045 mm (0.2380 in.)
65 mm thrust shim thickness	0A	0.80 mm (0.031 in.)	When worn or damaged
	A	0.84 mm (0.033 in.)	When worn or damaged
	B	0.88 mm (0.035 in.)	When worn or damaged
	C	0.92 mm (0.036 in.)	When worn or damaged
	D	0.96 mm (0.038 in.)	When worn or damaged
	E	1.00 mm (0.039 in.)	When worn or damaged
	F	1.04 mm (0.041 in.)	When worn or damaged
	G	1.08 mm (0.043 in.)	When worn or damaged

H	1.12 mm (0.044 in.)	When worn or damaged
I	1.16 mm (0.046 in.)	When worn or damaged
J	1.20 mm (0.047 in.)	When worn or damaged
K	1.24 mm (0.049 in.)	When worn or damaged
L	1.28 mm (0.050 in.)	When worn or damaged
M	1.32 mm (0.052 in.)	When worn or damaged
N	1.36 mm (0.054 in.)	When worn or damaged
O	1.40 mm (0.055 in.)	When worn or damaged
P	1.44 mm (0.057 in.)	When worn or damaged
Q	1.48 mm (0.058 in.)	When worn or damaged
R	1.52 mm (0.060 in.)	When worn or damaged
S	1.56 mm (0.061 in.)	When worn or damaged
T	1.60 mm (0.063 in.)	When worn

		or damaged
U	1.64 mm (0.065 in.)	When worn or damaged
V	1.68 mm (0.066 in.)	When worn or damaged
W	1.72 mm (0.068 in.)	When worn or damaged
X	1.76 mm (0.069 in.)	When worn or damaged
Y	1.80 mm (0.071 in.)	When worn or damaged
Z	1.84 mm (0.072 in.)	When worn or damaged
AA	1.88 mm (0.074 in.)	When worn or damaged
AB	1.92 mm (0.076 in.)	When worn or damaged
AC	1.96 mm (0.077 in.)	When worn or damaged
AD	2.00 mm (0.079 in.)	When worn or damaged
AE	2.04 mm (0.080 in.)	When worn or damaged
AF	2.08 mm (0.082 in.)	When worn or damaged

		AG	2.12 mm (0.083 in.)	When worn or damaged
		AH	2.16 mm (0.085 in.)	When worn or damaged
		AI	2.20 mm (0.087 in.)	When worn or damaged
		AJ	2.24 mm (0.088 in.)	When worn or damaged
		AK	2.28 mm (0.090 in.)	When worn or damaged
		AL	2.32 mm (0.091 in.)	When worn or damaged
		AM ('08-10 models)	0.76 mm (0.030 in.)	When worn or damaged
Intermediary shaft	I.D. of 3rd gear		36.000-36.016 mm (1.4173-1.4179 in.)	When worn or damaged
	Axial clearance of 3rd gear		0.005-0.045 mm (0.0002-0.0018 in.)	--
	Cotter thickness		2.99-3.02 mm (0.1177-0.1189 in.)	--
	Sealing ring thickness		1.89-1.95 mm (0.0744-0.0768 in.)	1.84 mm (0.0724 in.)
	35 mm sealing ring groove width		2.025-2.060 mm (0.080-0.081 in.)	2.08 mm (0.082 in.)
	53 mm splined washer thickness	A		3.995 mm (0.1573 in.)

B	4.015 mm (0.1581 in.)	When worn or damaged
C	4.035 mm (0.1589 in.)	When worn or damaged
D	4.055 mm (0.1596 in.)	When worn or damaged
E	4.075 mm (0.1604 in.)	When worn or damaged
F	4.095 mm (0.1612 in.)	When worn or damaged
G	4.115 mm (0.1620 in.)	When worn or damaged
H	4.135 mm (0.1628 in.)	When worn or damaged
I	4.155 mm (0.1636 in.)	When worn or damaged
J	4.175 mm (0.1644 in.)	When worn or damaged
K	4.195 mm (0.1652 in.)	When worn or damaged
L	4.215 mm (0.1659 in.)	When worn or damaged
M	4.235 mm (0.1667 in.)	When worn or damaged
N	4.255 mm (0.1675 in.)	When worn

		in.)	or damaged
26.5 mm washer thickness	A	1.05 mm (0.041 in.)	When worn or damaged
	B	1.13 mm (0.044 in.)	When worn or damaged
	C	1.21 mm (0.048 in.)	When worn or damaged
	D	1.29 mm (0.051 in.)	When worn or damaged
	E	1.37 mm (0.054 in.)	When worn or damaged
	F	1.45 mm (0.057 in.)	When worn or damaged
	G	1.53 mm (0.060 in.)	When worn or damaged
	H	1.61 mm (0.063 in.)	When worn or damaged
	I	1.69 mm (0.067 in.)	When worn or damaged
	J	1.77 mm (0.070 in.)	When worn or damaged
	K	1.85 mm (0.073 in.)	When worn or damaged
	L	1.93 mm (0.076 in.)	When worn or damaged

		M	2.01 mm (0.079 in.)	When worn or damaged
		N	2.09 mm (0.082 in.)	When worn or damaged
		0 ('08-10 models)	0.97 mm (0.038 in.)	When worn or damaged
Reverse idler gear	Gear shaft O.D.		13.99-14.00 mm (0.5508-0.5512 in.)	When worn or damaged
	I.D. of transmission housing of gear shaft contact area		14.006-14.024 mm (0.5514-0.5521 in.)	--
	I.D.		18.007-18.020 mm (0.7089-0.7094 in.)	When worn or damaged
	Axial clearance		0.07-0.38 mm (0.003-0.015 in.)	--
	Thrust washer thickness	Transmission housing		1.00-1.05 mm (0.039-0.041 in.)
Holder side			1.00-1.05 mm (0.039-0.041 in.)	--

AUTOMATIC TRANSMISSION AND A/T DIFFERENTIAL SPECIFICATION

Item	Measurement	Qualification	Standard or New			
			Wire Diameter	O.D.	Free Length	No. of Coils

Main valve body spring (see)	Torque converter check valve spring	1.1 mm (0.043 in.)	8.6 mm (0.339 in.)	35.0 mm (1.378 in.)	12.6
	Lock-up shift valve spring	1.0 mm (0.039 in.)	6.6 mm (0.260 in.)	35.5 mm (1.398 in.)	18.2
	Shift valve E spring	0.7 mm (0.028 in.)	6.6 mm (0.260 in.)	42.4 mm (1.669 in.)	17.6
	Shift valve A spring	0.9 mm (0.035 in.)	6.6 mm (0.260 in.)	50.5 mm (1.988 in.)	23.3
	Shift valve B spring	0.8 mm (0.031 in.)	6.6 mm (0.260 in.)	49.1 mm (1.933 in.)	21.7
	Modulator valve spring	1.6 mm (0.063 in.)	10.4 mm (0.409 in.)	33.5 mm (1.319 in.)	9.8
	CPC valve A spring	0.7 mm (0.028 in.)	6.1 mm (0.240 in.)	17.8 mm (0.701 in.)	7.9
	Servo control valve spring	0.9 mm (0.035 in.)	9.6 mm (0.378 in.)	30.2 mm (1.189 in.)	8.4
	Lubrication control valve spring	0.9 mm (0.035 in.)	8.7 mm (0.343 in.)	25.0 mm (0.984 in.)	7.2

	Lock-up timing valve spring		0.6 mm (0.024 in.)	6.6 mm (0.260 in.)	30.9 mm (1.217 in.)	11.1
	Relief valve spring		1.0 mm (0.039 in.)	9.6 mm (0.378 in.)	28.1 mm (1.106 in.)	7.7
Secondary valve body spring (see)	CPC valve C spring		0.7 mm (0.028 in.)	6.1 mm (0.240 in.)	17.8 mm (0.701 in.)	7.9
	Shift valve D spring		0.7 mm (0.028 in.)	6.6 mm (0.260 in.)	42.4 mm (1.669 in.)	17.6
	Reverse CPC valve spring		0.8 mm (0.031 in.)	6.1 mm (0.240 in.)	24.4 mm (0.961 in.)	14.6
	Shift valve C spring		0.8 mm (0.031 in.)	6.6 mm (0.260 in.)	49.1 mm (1.933 in.)	21.7
	CPC valve B spring		0.7 mm (0.028 in.)	6.1 mm (0.240 in.)	17.8 mm (0.701 in.)	7.9
	Reverse control valve spring		0.8 mm (0.031 in.)	6.6 mm (0.260 in.)	49.1 mm (1.933 in.)	21.7
Regulator valve body spring (see)	3rd accumulator spring		3.1 mm (0.122 in.)	19.6 mm (0.772 in.)	41.4 mm (1.630 in.)	5.5

	Lock-up control valve spring	Type A	0.7 mm (0.028 in.)	6.6 mm (0.260 in.)	42.9 mm (1.689 in.)	14.2
		Type B	0.8 mm (0.031 in.)	6.6 mm (0.260 in.)	44.3 mm (1.744 in.)	25.5
	Regulator valve spring B		1.4 mm (0.055 in.)	8.8 mm (0.346 in.)	44.0 mm (1.732 in.)	12.0
	Regulator valve spring A		1.85 mm (0.073 in.)	14.7 mm (0.579 in.)	86.9 mm (3.421 in.)	16.2
	Stator reaction spring		5.5 mm (0.217 in.)	37.4 mm (1.472 in.)	30.3 mm (1.193 in.)	2.1
	Cooler check valve spring		0.9 mm (0.035 in.)	6.7 mm (0.264 in.)	31.5 mm (1.240 in.)	14.2
Accumulator body spring (see)	4th accumulator spring		3.3 mm (0.130 in.)	19.6 mm (0.772 in.)	39.1 mm (1.539 in.)	5.8
	2nd accumulator spring		3.1 mm (0.122 in.)	19.6 mm (0.772 in.)	53.4 mm (2.102 in.)	7.5
	1st accumulator spring A		2.3 mm (0.091 in.)	19.6 mm (0.772 in.)	60.8 mm (2.394 in.)	9.5

1st accumulator spring B		2.5 mm (0.098 in.)	12.8 mm (0.504 in.)	46.0 mm (1.811 in.)	9.5
5th accumulator spring A		2.4 mm (0.094 in.)	19.6 mm (0.772 in.)	65.5 mm (2.579 in.)	12.0
5th accumulator spring B		2.6 mm (0.102 in.)	13.2 mm (0.520 in.)	50.5 mm (1.988 in.)	10.1
1st-hold accumulator spring		2.0 mm (0.079 in.)	13.1 mm (0.516 in.)	42.9 mm (1.689 in.)	9.8

AUTOMATIC TRANSMISSION AND A/T DIFFERENTIAL SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service Limit
A/T differential carrier	Pinion shaft contact area I.D.		18.000-18.025 mm (0.7087-0.7096 in.)	--
	Clearance between carrier and pinion shaft		0.013-0.054 mm (0.0005-0.0021 in.)	0.1 mm (0.004 in.)
	Driveshaft contact area I.D.		30.025-30.055 mm (1.182-1.183 in.)	--
	Clearance between carrier and driveshaft		0.045-0.096 mm (0.002-0.004 in.)	0.13 mm (0.005 in.)
	Clearance between carrier and intermediate shaft		0.080-0.126 mm (0.003-0.005 in.)	--

	Tapered roller bearing starting torque (preload)	For new bearing	3.9-5.1 N.m (40-52 kgf.cm, 35-45 lbf.in.)	Adjust
		For used bearing	3.6-4.8 N.m (37-49 kgf-cm, 32-43 lbf.in.)	Adjust
A/T differential pinion gear	Backlash		0.05-0.15 mm (0.002-0.006 in.)	--
	I.D.		18.042-18.066 mm (0.7103-0.7113 in.)	--
	Clearance between pinion gear and pinion shaft		0.055-0.095 mm (0.0022-0.0037 in.)	0.12 mm (0.005 in.)