

3-4 shift piece

Item	Measurement	Qualification	Standard or New	Service Limit
3-4 shift piece	Groove (to shift arm)		13.2-13.4 mm (0.52-0.53 in.)	---

5-R shift piece

Item	Measurement	Qualification	Standard or New	Service Limit
5-R shift piece	Groove (to shift arm)		13.2-13.4 mm (0.52-0.53 in.)	---

72 mm shim

Item	Measurement	Qualification	Standard or New	Service Limit
72 mm shim	Set ring-to-bearing outer race clearance		0-0.1 mm (0-0.004 in.)	Adjust

Clutch disc

Item	Measurement	Qualification	Standard or New	Service Limit
Clutch disc	Rivet head depth		1.2-1.7 mm (0.05-0.07 in.)	0.2 mm (0.01 in.)
	Thickness		8.3-9.0 mm (0.33-0.35 in.)	6.0 mm (0.24 in.)

Clutch pedal

Item	Measurement	Qualification	Standard or New	Service Limit
Clutch pedal	Height from the floor		192 mm (7.56 in.)	---
	Stroke		130-140 mm (5.1-5.5 in.)	---
	Play		10-18 mm (0.39-0.71 in.)	---
	Disengagement height from the floor		89.0 mm (3.50 in.) max.	---

Countershaft 1st gear

Item	Measurement	Qualification	Standard or New	Service Limit
Countershaft 1st gear	I.D.		43.009-43.025 mm (1.6933-1.6939 in.)	43.07 mm (1.696 in.)
	End play		0.03-0.10 mm (0.001-0.004 in.)	0.22 mm (0.009 in.)
	Thickness		26.91-26.94 mm (1.059-1.061 in.)	26.86 mm (1.057 in.)

Countershaft 2nd gear spacer collar

Item	Measurement	Qualification	Standard or New	Service Limit
Countershaft 2nd gear spacer collar	I.D.		34.000-34.010 mm (1.3386-1.3390 in.)	34.04 mm (1.340 in.)
	O.D.		39.989-40.000 mm (1.5744-1.5748 in.)	39.93 mm (1.572 in.)
	Thickness		27.53-27.56 mm (1.084-1.085 in.)	27.51 mm (1.083 in.)

Countershaft 2nd gear

Item	Measurement	Qualification	Standard or New	Service Limit
Countershaft 2nd gear	I.D.		45.009-45.025 mm (1.7720-1.7726 in.)	45.07 mm (1.774 in.)
	End play		0.04-0.12 mm (0.002-0.005 in.)	0.24 mm (0.009 in.)
	Thickness		27.41-27.46 mm (1.079-1.081 in.)	27.36 mm (1.077 in.)

Countershaft

Item	Measurement	Qualification	Standard or New	Service Limit
Countershaft	Diameter of ball bearing contact area		24.980-24.993 mm (0.9835-0.9840 in.)	24.93 mm (0.981 in.)
	Diameter of ball bearing contact area (Transmission housing side)		37.984-38.000 mm (1.4954-1.4961 in.)	37.934 mm (1.4935 in.)
	Diameter of ball bearing contact area (Clutch housing side)		34.000-34.015 mm (1.3386-1.3392 in.)	33.95 mm (1.337 in.)
	Runout		0.02 mm (0.001 in.) max.	0.05 mm (0.002 in.)

M/T differential carrier

Item	Measurement	Qualification	Standard or New	Service Limit
M/T differential carrier	Carrier-to-pinion shaft clearance		0.026-0.062 mm (0.0010-0.0024 in.)	0.95 mm (0.037 in.)
	Pinion shaft bore diameter		15.010-15.028 mm (0.5909-0.5917 in.)	---
	Carrier-to-driveshaft clearance		0.045-0.086 mm (0.0018-0.0034 in.)	0.14 mm (0.006 in.)
	Driveshaft bore diameter		26.025-26.045 mm (1.0246-1.0254 in.)	---

M/T differential pinion gear

Item	Measurement	Qualification	Standard or New	Service Limit
M/T differential pinion gear	Backlash		0.05-0.15 mm (0.002-0.006 in.)	---
	Pinion gear-to-pinion shaft clearance		0.058-1.000 mm (0.0023-0.0394 in.)	0.15 mm (0.006 in.)
	Pinion shaft bore diameter		15.042-15.066 mm (0.5922-0.5931 in.)	---

Double cone synchro

Item	Measurement	Qualification	Standard or New	Service Limit
Double cone synchro	Outer synchro ring-to-synchro cone clearance	Ring pushed against gear	0.5-1.0 mm (0.02-0.04 in.)	0.3 mm (0.01 in.)
	Synchro cone-to-gear clearance	Ring pushed against gear	0.5-1.0 mm (0.02-0.04 in.)	0.3 mm (0.01 in.)
	Outer synchro ring-to-gear clearance	Ring pushed against gear	0.95-1.68 mm (0.037-0.066 in.)	0.6 mm (0.02 in.)


Flywheel

Item	Measurement	Qualification	Standard or New	Service Limit
Flywheel	Runout on clutch mating surface		0.05 mm (0.002 in.) max.	0.15 mm (0.006 in.)

Mainshaft 3rd gear

Item	Measurement	Qualification	Standard or New	Service Limit
Mainshaft 3rd gear	I.D.		39.009-39.025 mm (1.5358-1.5364 in.)	---
	End play		0.06-0.21 mm (0.002-0.008 in.)	0.33 mm (0.01 in.)
	Thickness		27.92-27.97 mm (1.099-1.101 in.)	27.85 mm (1.096 in.)

Mainshaft 4th and 5th gears spacer collar

Item	Measurement	Qualification	Standard or New	Service Limit
Mainshaft 4th and 5th gears spacer collar	I.D.		29.014-29.024 mm (1.1423-1.1427 in.)	29.06 mm (1.144 in.)
	O.D.		34.989-35.000 mm (1.3775-1.3780 in.)	34.93 mm (1.375 in.)
	Length 	A	51.97-52.03 mm (2.046-2.048 in.)	---
		B	24.03-24.06 mm (0.946-0.947 in.)	24.01 mm (0.945 in.)

Mainshaft 4th gear

Item	Measurement	Qualification	Standard or New	Service Limit
Mainshaft 4th gear	I.D.		39.009-39.025 mm (1.5358-1.5364 in.)	---
	End play		0.06-0.19 mm (0.002-0.007 in.)	0.31 mm (0.01 in.)
	Thickness		27.02-27.07 mm (1.064-1.066 in.)	26.95 mm (1.061 in.)

Mainshaft 5th gear

Item	Measurement	Qualification	Standard or New	Service Limit
Mainshaft 5th gear	I.D.		39.009-39.025 mm (1.5358-1.5364 in.)	---
	End play		0.06-0.19 mm (0.002-0.007 in.)	0.31 mm (0.01 in.)
	Thickness		28.92-28.97 mm (1.139-1.141 in.)	28.85 mm (1.136 in.)

Mainshaft

Item	Measurement	Qualification	Standard or New	Service Limit
Mainshaft	End play		0.11-0.18 mm (0.004-0.007 in.)	Adjust
	Diameter of ball bearing contact area (Transmission housing side)		25.987-26.000 mm (1.0231-1.0236 in.)	25.93 mm (1.021 in.)
	Diameter of spacer collar contact area		28.992-29.005 mm (1.1414-1.1419 in.)	28.93 mm (1.139 in.)
	Diameter of needle bearing contact area		34.984-35.000 mm (1.3773-1.3780 in.)	34.93 mm (1.375 in.)
	Diameter of ball bearing contact area (Clutch housing side)		25.977-25.990 mm (1.0223-1.0232 in.)	25.92 mm (1.020 in.)
	Runout		0.02 mm (0.001 in.) max.	0.05 mm (0.002 in.)

Pressure plate

Item	Measurement	Qualification	Standard or New	Service Limit
Pressure plate	Warpage		0.03 mm (0.001 in.)	0.15 mm (0.006 in.)
	Height of diaphragm spring fingers	Measure with feeler gauge and special tool	0.6 mm (0.002 in.)	0.8 mm (0.03 in.)

Reverse idler gear

Item	Measurement	Qualification	Standard or New	Service Limit
Reverse idler gear	Groove (to reverse shift fork)		16.1-16.3 mm (0.63-0.64 in.)	16.5 mm (0.65 in.)
	I.D.		15.016-15.043 mm (0.5912-0.5922 in.)	15.08 mm (0.594 in.)

Reverse shift fork

Item	Measurement	Qualification	Standard or New	Service Limit
Reverse shift fork	Fork-to-reverse idler gear clearance		0.1-0.5 mm (0.004-0.020 in.)	0.8 mm (0.03 in.)
	Finger width		15.8-16.0 mm (0.62-0.63 in.)	15.5 mm (0.61 in.)

Select lever

Item	Measurement	Qualification	Standard or New	Service Limit
Select lever	Finger width		14.75-14.95 mm (0.581-0.589 in.)	14.45 mm (0.569 in.)

Shift arm

Item	Measurement	Qualification	Standard or New	Service Limit
Shift arm	Shift arm-to-shift fork clearance		0.2-0.5 mm (0.008-0.020 in.)	0.62 mm (0.024 in.)
	Finger width		12.9-13.0 mm (0.508-0.512 in.)	---
	I.D.		13.973-14.000 mm (0.5501-0.5512 in.)	---

Shift fork

Item	Measurement	Qualification	Standard or New	Service Limit
Shift fork	Fork-to-synchro sleeve clearance		0.35-0.65 mm (0.014-0.026 in.)	1.00 mm (0.039 in.)
	Finger thickness	1-2 shift fork	6.7-6.9 mm (0.26-0.27 in.)	---
		3-4, 5th shift forks	6.2-6.4 mm (0.24-0.25 in.)	---
	Groove (to shift arm)	1-2 shift piece	13.2-13.4 mm (0.52-0.53 in.)	---

Shift lever

Item	Measurement	Qualification	Standard or New	Service Limit
Shift lever	Shaft-to-select lever clearance		0.05-0.40 mm (0.002-0.016 in.)	0.6 mm (0.024 in.)
	Groove (to select lever)		15.00-15.15 mm (0.591-0.596 in.)	---
	Shaft-to-shift arm clearance		0.013-0.070 mm (0.0005-0.0028 in.)	0.1 mm (0.004 in.)

Synchro ring

Item	Measurement	Qualification	Standard or New	Service Limit
Synchro ring	Ring-to-gear clearance	Ring pushed against gear	0.85-1.10 mm (0.033-0.043 in.)	0.4 mm (0.016 in.)

Transmission fluid

Item	Measurement	Qualification	Standard or New	Service Limit
Transmission fluid	Capacity	Fluid change	1.5 L (1.59 US qt)	
	Use Honda MTF	Overhaul	1.6 L (1.69 US qt)	