

DIFFERENTIAL**SERVICE DATA****FRONT DIFFERENTIAL CARRIER**

Companion flange vertical runout	Maximum: 0.10 mm (0.0039 in.)
Companion flange lateral runout	Maximum: 0.10 mm (0.0039 in.)
Drive pinion preload (at start of torque)	New bearing: 0.98 to 1.75 N*m (10 to 16 kgf*cm, 8.7 to 14 in.*lbf) Reused bearing: 0.49 to 0.78 N*m (5 to 8 kgf*cm, 4.3 to 6.9 in.*lbf)
Total preload (Drive pinion preload plus)	0.22 to 0.85 N*m (6 to 9 kgf*cm, 1.9 to 7.7 in.*lbf)
Drive pinion to ring gear backlash	0.11 to 0.21 mm (0.0043 to 0.0083 in.)
Side gear backlash	0.15 mm (0.0059 in.)
Carrier oil seal drive in depth	3.9 to 4.8 mm (0.153 to 0.0189 in.)
Side oil seal drive in depth	LH side: -0.45 to 0.45 mm (-0.0177 to 0.0177 in.) RH side: 4.8 to 5.8 mm (0.189 to 0.2284 in.)
w/A.D.D. type: Differential clutch sleeve to clutch sleeve fork clearance	Maximum: 0.35 mm (0.0138 in.)
Side gear thrust washer thickness mm (in.)	1.48 to 1.52 (0.0583 to 0.0568) 1.53 to 1.57 (0.0602 to 0.0618) 1.58 to 1.62 (0.0622 to 0.0638) 1.63 to 1.67 (0.0642 to 0.0657) 1.68 to 1.72 (0.0661 to 0.0677) 1.73 to 1.77 (0.0681 to 0.0697) 1.78 to 1.82 (0.0701 to 0.0717) 1.83 to 1.87 (0.0720 to 0.0736) 1.88 to 1.92 (0.0740 to 0.0756)
Side bearing adjusting washer thickness mm (in.)	1.57 to 1.59 (0.0618 to 0.0626) 1.59 to 1.61 (0.0626 to 0.0634) 1.61 to 1.63 (0.0634 to 0.0642) 1.63 to 1.65 (0.0642 to 0.0650) 1.65 to 1.67 (0.0650 to 0.0657) 1.67 to 1.69 (0.0657 to 0.0665) 1.69 to 1.71 (0.0665 to 0.0673) 1.71 to 1.73 (0.0673 to 0.0681) 1.73 to 1.75 (0.0681 to 0.0689) 1.75 to 1.77 (0.0689 to 0.0697) 1.77 to 1.79 (0.0697 to 0.0705) 1.79 to 1.81 (0.0705 to 0.0713) 1.81 to 1.83 (0.0713 to 0.0720) 1.83 to 1.85 (0.0720 to 0.0728) 1.85 to 1.87 (0.0728 to 0.0736) 1.87 to 1.89 (0.0736 to 0.0744) 1.89 to 2.01 (0.0744 to 0.0791) 2.01 to 2.03 (0.0791 to 0.0799) 2.03 to 2.05 (0.0799 to 0.0807) 2.05 to 2.07 (0.0807 to 0.0815) 2.07 to 2.09 (0.0815 to 0.0822) 2.09 to 2.11 (0.0822 to 0.0830) 2.11 to 2.13 (0.0830 to 0.0839) 2.13 to 2.15 (0.0839 to 0.0846) 2.15 to 2.17 (0.0846 to 0.0854)

SS

SS	Drive pinion bearing adjusting washer thickness mm (in.)	1.69 to 1.71 (0.0665 to 0.0673) 1.72 to 1.74 (0.0677 to 0.0685) 1.75 to 1.77 (0.0689 to 0.0697) 1.78 to 1.80 (0.0700 to 0.0709) 1.81 to 1.83 (0.0713 to 0.0720) 1.84 to 1.86 (0.0724 to 0.0732) 1.87 to 1.89 (0.0736 to 0.0744) 1.90 to 1.92 (0.0748 to 0.0756) 1.93 to 1.95 (0.0760 to 0.0768) 1.96 to 1.98 (0.0772 to 0.0780) 1.99 to 2.01 (0.0783 to 0.0791) 2.02 to 2.04 (0.0795 to 0.0803) 2.05 to 2.07 (0.0807 to 0.0815) 2.08 to 2.10 (0.0819 to 0.0827) 2.11 to 2.13 (0.0831 to 0.0839) 2.14 to 2.16 (0.0843 to 0.0850) 2.17 to 2.19 (0.0854 to 0.0862) 2.20 to 2.22 (0.0866 to 0.0874) 2.23 to 2.25 (0.0878 to 0.0886) 2.26 to 2.28 (0.0890 to 0.0898) 2.29 to 2.31 (0.0902 to 0.0909) 2.32 to 2.34 (0.0913 to 0.0921)
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REAR DIFFERENTIAL

Companion flange vertical runout	Maximum: 0.10 mm (0.0039 in.)
Companion flange lateral runout	Maximum: 0.10 mm (0.0039 in.)
Drive pinion preload (at start of torque)	New bearing: 1.05 to 1.64 N*m (11 to 17 kgf*cm, 9.3 to 15 in.*lbf) Reused bearing: 0.56 to 0.85 N*m (6 to 9 kgf*cm, 4.9 to 7.5 in.*lbf)
Total preload (Drive pinion preload plus)	0.39 to 0.59 N*m (4 to 6 kgf*cm, 3.4 to 5.2 in.*lbf)
Ring gear runout	Maximum: 0.07 mm (0.0028 in.)
Ring gear backlash	0.13 to 0.18 mm (0.0051 to 0.0071 in.)
Side gear backlash	0.05 to 0.20 mm (0.0020 to 0.0080 in.)
Differential case runout	Maximum: 0.07 mm (0.0028 in.)
Rear differential front oil seal drive in depth	0.55 to 1.45 mm (0.0213 to 0.0567 in.)
Differential lock type: Side gear thrust washer thickness mm (in.)	0.90 mm (0.059 in.) 1.00 mm (0.039 in.) 1.10 mm (0.043 in.) 1.20 mm (0.047 in.) 1.30 mm (0.051 in.)
Tooth contact pattern adjusting washer thickness mm (in.)	1.69 to 1.71 (0.0665 to 0.0673) 1.72 to 1.74 (0.0677 to 0.0685) 1.75 to 1.77 (0.0689 to 0.0709) 1.78 to 1.80 (0.0713 to 0.0720) 1.81 to 1.83 (0.0724 to 0.0732) 1.84 to 1.86 (0.0736 to 0.0744) 1.87 to 1.89 (0.0748 to 0.0756) 1.90 to 1.92 (0.0760 to 0.0768) 1.93 to 1.95 (0.0772 to 0.0780) 1.96 to 1.98 (0.0783 to 0.0791) 1.99 to 2.01 (0.0795 to 0.0803) 2.02 to 2.04 (0.0807 to 0.0815) 2.05 to 2.07 (0.0819 to 0.0827) 2.08 to 2.10 (0.0831 to 0.0839) 2.11 to 2.13 (0.0843 to 0.0839) 2.14 to 2.16 (0.0843 to 0.0850) 2.17 to 2.19 (0.0854 to 0.0862) 2.20 to 2.22 (0.0866 to 0.0874) 2.23 to 2.25 (0.0878 to 0.0886) 2.26 to 2.28 (0.0890 to 0.0898) 2.29 to 2.31 (0.0902 to 0.0909) 2.32 to 2.34 (0.0913 to 0.0921)