

SUSPENSION AND AXLE

SERVICE DATA

SS00J-09

Front differential	Companion flange vertical runout	Max.	0.09 mm (0.0035 in.)
	Companion flange lateral runout	Max.	0.09 mm (0.0035 in.)
	Drive pinion preload (at starting)	New bearing Reused bearing	1.0 – 1.6 N·m (10 – 16 kgf·cm, 8.7 – 13.9 in.·lbf) 0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)
	Total preload (at starting)		Drive pinion preload plus 0.4 – 0.6 N·m (4 – 6 kgf·cm, 3.5 – 5.2 in.·lbf)
	Ring gear runout		0.07 mm (0.0028 in.)
	Ring gear backlash		0.13 – 0.18 mm (0.0051 – 0.0071 in.)
	Side gear backlash		0.05 – 0.20 mm (0.0020 – 0.0079 in.)
	Side gear thrust washer thickness		0.9 mm (0.035 in.) 1.0 mm (0.039 in.) 1.1 mm (0.043 in.) 1.2 mm (0.047 in.) 1.3 mm (0.051 in.)

## SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

Front differential	Side bearing adjusting washer thickness	2.58 mm (0.1016 in.)
		2.60 mm (0.1024 in.)
		2.62 mm (0.1031 in.)
		2.64 mm (0.1039 in.)
		2.66 mm (0.1047 in.)
		2.68 mm (0.1055 in.)
		2.70 mm (0.1063 in.)
		2.72 mm (0.1071 in.)
		2.74 mm (0.1079 in.)
		2.76 mm (0.1087 in.)
		2.78 mm (0.1094 in.)
		2.80 mm (0.1102 in.)
		2.82 mm (0.1110 in.)
		2.84 mm (0.1118 in.)
		2.86 mm (0.1126 in.)
		2.88 mm (0.1134 in.)
		2.90 mm (0.1142 in.)
		2.92 mm (0.1150 in.)
		2.94 mm (0.1157 in.)
		2.96 mm (0.1165 in.)
		2.98 mm (0.1173 in.)
		3.00 mm (0.1181 in.)
		3.02 mm (0.1189 in.)
		3.04 mm (0.1197 in.)
		3.06 mm (0.1205 in.)
		3.08 mm (0.1213 in.)
		3.10 mm (0.1220 in.)
		3.12 mm (0.1228 in.)
		3.14 mm (0.1236 in.)
		3.16 mm (0.1244 in.)
		3.18 mm (0.1252 in.)
		3.20 mm (0.1260 in.)
		3.22 mm (0.1268 in.)
		3.24 mm (0.1276 in.)
		3.26 mm (0.1283 in.)
		3.28 mm (0.1291 in.)
		3.30 mm (0.1299 in.)
		3.32 mm (0.1307 in.)
		3.34 mm (0.1315 in.)
		3.36 mm (0.1323 in.)
		3.38 mm (0.1331 in.)
		3.40 mm (0.1339 in.)
		3.42 mm (0.1346 in.)
		3.44 mm (0.1354 in.)
		3.46 mm (0.1362 in.)
		3.48 mm (0.1370 in.)

Front differential	Drive pinion bearing adjusting washer thickness	1.70 mm (0.0669 in.)
		1.73 mm (0.0681 in.)
		1.76 mm (0.0693 in.)
		1.79 mm (0.0704 in.)
		1.82 mm (0.0717 in.)
		1.85 mm (0.0729 in.)
		1.88 mm (0.0740 in.)
		1.91 mm (0.0752 in.)
		1.94 mm (0.0764 in.)
		1.97 mm (0.0776 in.)
		2.00 mm (0.0787 in.)
		2.03 mm (0.0799 in.)
		2.06 mm (0.0811 in.)
		2.09 mm (0.0822 in.)
		2.12 mm (0.0835 in.)
		2.15 mm (0.0847 in.)
		2.18 mm (0.0858 in.)
		2.21 mm (0.0870 in.)
		2.24 mm (0.0882 in.)
		2.27 mm (0.0894 in.)
		2.30 mm (0.0906 in.)
		2.33 mm (0.0918 in.)