

## DIFFERENTIAL

## SERVICE DATA

0309H-02

Rear differential	Differential ring gear runout	Maximum	0.05 mm (0.0020 in.)
	Differential ring gear backlash	Maximum	0.08 to 0.13 mm (0.0031 to 0.0051 in.)
	Differential drive pinion runout	Maximum	0.08 mm (0.0031 in.)
	Differential drive pinion preload (at starting)	New bearing Reused bearing	1.5 to 2.0 N·m (15 to 21 kgf·cm, 13 to 18 in.·lbf) 0.5 to 0.8 N·m (5 to 8 kgf·cm, 4.3 to 6.9 in.·lbf)
	Differential side gear backlash		0 mm (0 in.)
	Total preload (at starting)		Differential drive pinion preload plus 0.48 to 1.43 N·m (4.89 to 14.58 kgf·cm, 4.25 to 12.66 in.·lbf)
Rear differential (cont'd)	Differential ring gear backlash adjusting washer		3.66 mm (0.1441 in.) 3.68 mm (0.1449 in.) 3.70 mm (0.1457 in.) 3.72 mm (0.1465 in.) 3.74 mm (0.1472 in.) 3.76 mm (0.1480 in.) 3.78 mm (0.1488 in.) 3.80 mm (0.1496 in.) 3.82 mm (0.1503 in.) 3.84 mm (0.1512 in.) 3.86 mm (0.1520 in.) 3.88 mm (0.1528 in.) 3.90 mm (0.1535 in.) 3.92 mm (0.1543 in.) 3.94 mm (0.1551 in.) 3.96 mm (0.1559 in.) 3.98 mm (0.1567 in.) 4.00 mm (0.1575 in.) 4.02 mm (0.1583 in.) 4.04 mm (0.1591 in.) 4.06 mm (0.1598 in.) 4.08 mm (0.1606 in.) 4.10 mm (0.1614 in.) 4.12 mm (0.1622 in.) 4.14 mm (0.1630 in.) 4.16 mm (0.1638 in.) 4.18 mm (0.1646 in.) 4.20 mm (0.1654 in.) 4.22 mm (0.1661 in.) 4.24 mm (0.1669 in.) 4.26 mm (0.1677 in.) 4.28 mm (0.1685 in.) 4.30 mm (0.1693 in.) 4.32 mm (0.1701 in.) 4.34 mm (0.1709 in.) 4.36 mm (0.1717 in.) 4.38 mm (0.1724 in.) 4.40 mm (0.1732 in.) 4.42 mm (0.1740 in.)

Rear differential (cont'd)	Tooth contact pattern adjusting washer	No.	
		87	1.87 mm (0.0736 in.)
		88	1.88 mm (0.0740 in.)
		89	1.89 mm (0.0744 in.)
		90	1.90 mm (0.0748 in.)
		91	1.91 mm (0.0752 in.)
		92	1.92 mm (0.0756 in.)
		93	1.93 mm (0.0760 in.)
		94	1.94 mm (0.0764 in.)
		95	1.95 mm (0.0768 in.)
		96	1.96 mm (0.0772 in.)
		97	1.97 mm (0.0776 in.)
		98	1.98 mm (0.0780 in.)
		99	1.99 mm (0.0784 in.)
		00	2.00 mm (0.0788 in.)
		01	2.01 mm (0.0791 in.)
		02	2.02 mm (0.0795 in.)
		03	2.03 mm (0.0799 in.)
		04	2.04 mm (0.0803 in.)
		05	2.05 mm (0.0807 in.)
		06	2.06 mm (0.0811 in.)
		07	2.07 mm (0.0815 in.)
		08	2.08 mm (0.0819 in.)
		09	2.09 mm (0.0823 in.)
		10	2.10 mm (0.0827 in.)
		11	2.11 mm (0.0831 in.)
		12	2.12 mm (0.0835 in.)
		13	2.13 mm (0.0839 in.)
		14	2.14 mm (0.0843 in.)
		15	2.15 mm (0.0846 in.)
		16	2.16 mm (0.0850 in.)
		17	2.17 mm (0.0854 in.)
		18	2.18 mm (0.0858 in.)
		19	2.19 mm (0.0862 in.)
		20	2.20 mm (0.0866 in.)
		21	2.21 mm (0.0870 in.)
		22	2.22 mm (0.0874 in.)
		23	2.23 mm (0.0878 in.)
		24	2.24 mm (0.0882 in.)
		25	2.25 mm (0.0886 in.)
		26	2.26 mm (0.0890 in.)
		27	2.27 mm (0.0894 in.)
		28	2.28 mm (0.0898 in.)