DIFFERENTIAL

0325B–01

SERVICE DATA

Differential oil	Oil type Recommended oil viscosity Capacity Capacity		Hypoid oil API GL–5 SAE 90 5.2 liters (5.5 US qts, 4.8 lmp.qts)
Differential carrier assy rear	Ring gear runout	Maximum	0.10 mm (0.0039 in.)
	Ring gear backlash	Gear Ratio 5.571	0.20 to 0.28 mm (0.0079 to 0.0110 in.)
		5.833	0.25 to 0.33 mm (0.0098 to 0.0130 in.)
	Side gear backlash	Standard	0.2 to 0.6 mm (0.0079 to 0.0236 in.)
		Maximum	0.9 mm (0.0035 in.)
	Drive pinion preload (Reused bearing)		1.48 to 2.45 N·m (15 to 25 kgf·cm, 13 to 22 in.·lbf)
	Drive pinion preload (New bearing)		1.97 to 2.94 N·m (20 to 30 kgf·cm, 17 to 26 in.·lbf)
	Total preload (Reused bearing)	Gear Ratio 5.571	0.18 to 0.26 N·m (1.8 to 2.6 kgf·cm, 1.6 to 2.3 in.·lbf)
		5.833	0.17 to 0.25 N·m (1.8 to 2.5 kgf·cm, 1.5 to 2.2 in.·lbf)
	Total preload (New bearing)	Gear Ratio 5.571	0.27 to 0.35 N·m (2.7 to 3.5 kgf·cm, 2.4 to 3.1 in.·lbf)
		5.833	0.26 to 0.33 N·m (2.6 to 3.4 kgf·cm, 2.3 to 2.9 in.·lbf)
	Conical distance		27.0 mm (1.063 in.)
	Inner diameter of the pinion – Outer diameter of the spider	Standard	0.140 to 0.261 mm (0.0055 to 0.0103 in.)
		Maximum	0.4 mm (0.016 in.)
	Side gear thrust washer thickness	Standard	1.9 to 2.1 mm (0.075 to 0.083 in.)
		Minimum	1.7 mm (0.070 in.)
	Pinion gear thrust washer thickness	Standard	1.5 to 1.7 mm (0.059 to 0.070 in.)
		Minimum	1.3 mm (0.051 in.)
Drive pinion preload adjustment	Spacer		14.400 mm (0.5669 in.) 14.425 mm (0.5679 in.) 14.450 mm (0.5689 in.) 14.475 mm (0.5699 in.) 14.500 mm (0.5709 in.) 14.525 mm (0.5719 in.) 14.550 mm (0.5728 in.) 14.575 mm (0.5738 in.) 14.600 mm (0.5748 in.) 14.625 mm (0.5758 in.) 14.650 mm (0.5768 in.) 14.675 mm (0.5778 in.) 14.700 mm (0.5787 in.) 14.725 mm (0.5797 in.) 14.750 mm (0.5807 in.) 14.775 mm (0.5817 in.) 14.800 mm (0.5827 in.) 14.825 mm (0.5837 in.) 14.850 mm (0.5846 in.) 14.875 mm (0.5856 in.)
Tooth contact adjustment	Shim		0.30 mm (0.0118 in.) 0.40 mm (0.0157 in.) 0.45 mm (0.0177 in.) 0.50 mm ((0.0197 in.)