

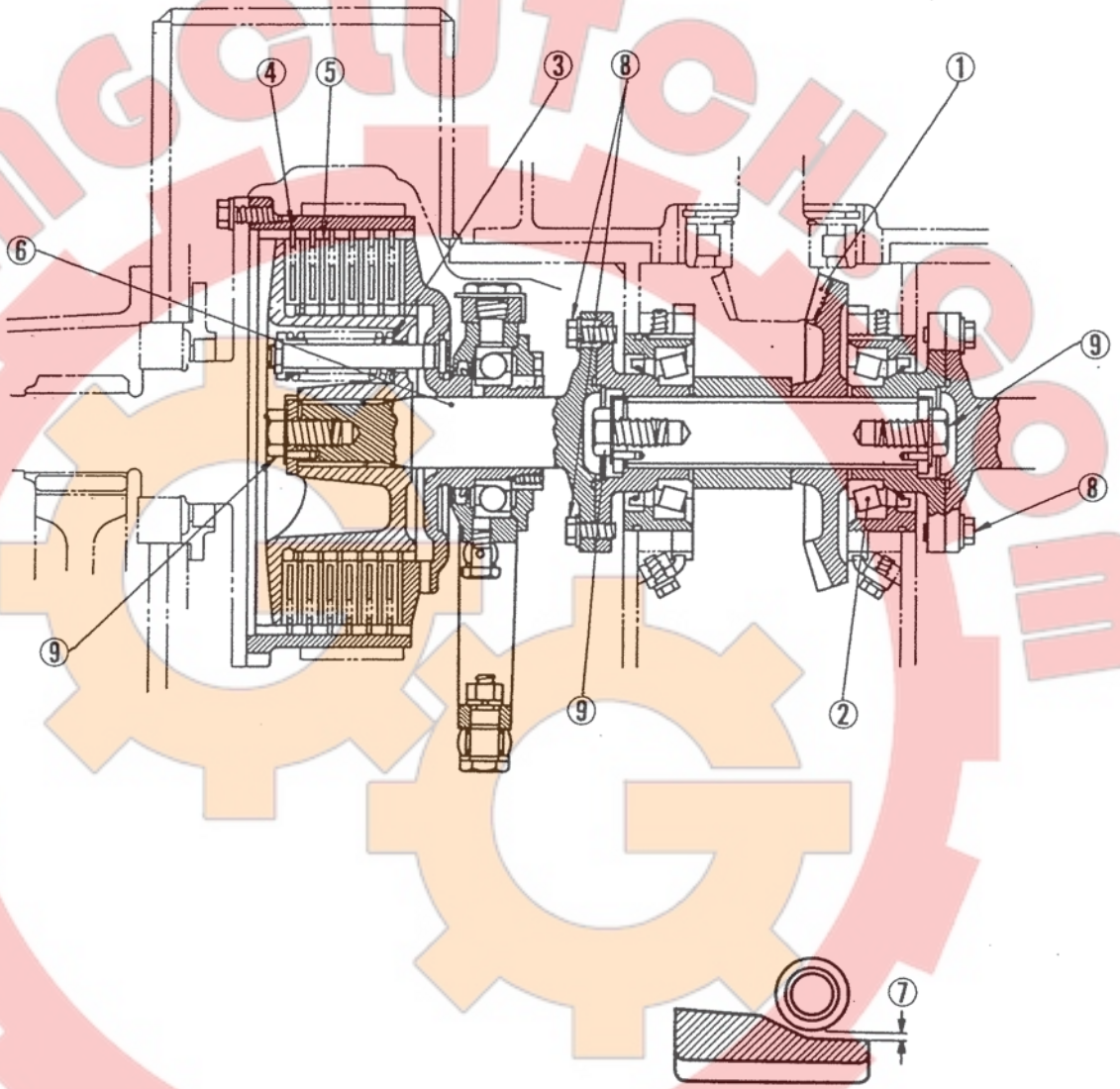
STEERING CLUTCHES

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Unit: mm (in.)

Ref. No.	Point of measurement	Standard clearance (Assembly standard)	Service limit
1	Backlash of bevel gear with pinion	0.18 ~ 0.30 (0.0071 ~ 0.0118)	
2	Preload of tapered roller bearing (bevel gear)	0.7 ~ 0.9 kg-m (5.1 ~ 6.5 ft-lb)	
3	Steering clutch springs	Free length 88.5 (3.484)	
		Load kg (lb)/as-installed length 72.5 ± 5/62.5 (159.9 ± 11/2.461)	
4	Clutch facings	Thickness 8.7 (0.343)	6 (0.236)
		Backlash with outer drum 0.16 ~ 0.52 (0.0063 ~ 0.0205)	0.8 (0.0315)
5	Clutch plates	Thickness 2.8 (0.110)	2.3 (0.091)
		Backlash with inner drum 0.14 ~ 0.30 (0.0055 ~ 0.0118)	0.6 (0.0236)
		As-assembled thickness of plates (6 pcs) and facings (6 pcs) 69 (2.717)	66 (2.598)
6	Fit of clutch shaft in pressure plate	0.050 ~ 0.114 (0.00197 ~ 0.00449)	0.35 (0.0138)
7	Clearance between cam and roller	2.7 (0.1063)	
8	Torque for drive shaft and clutch shaft bolts [10 mm (0.394 in.) diameter bolts]	4.2 ± 0.4 kg-m (30.4 ± 2.9 ft-lb)	
9	Torque for drive shaft and clutch shaft bolts [16 mm (0.630 in.) diameter bolts]	19 ± 2 kg-m (137 ± 14 ft-lb)	

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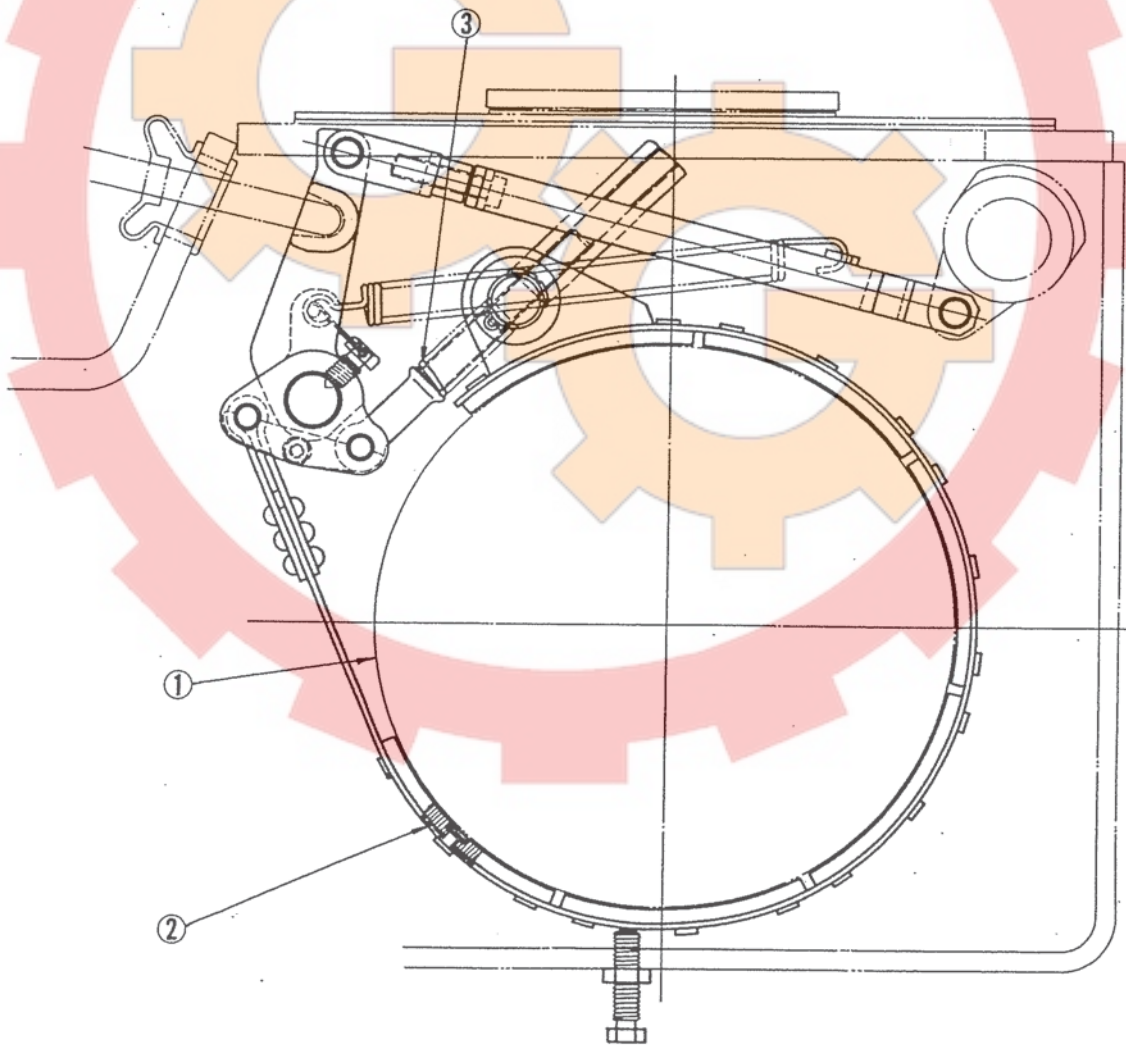


STEERING CLUTCH BRAKES

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Unit: mm (in.)

Ref. No.	Point of measurement		Standard clearance (Assembly standard)	Service limit
1	Drums	Outside diameter	252 (9.921)	250 (9.843)
		Drum-to-lining clearance	0.8 (0.0315)	
2	Thickness of linings		6.5 (0.2559)	4.0 (0.1575)
3	Anchor springs	Free length	61.5 (2.4213)	
		Load kg (lb)/as-installed length	12 ± 1.2/45 (26 ± 2.6/1.8)	9/45 (19.8/1.8)



FINAL DRIVE

FINAL DRIVE

Unit: mm (in.)

Ref. No.	Point of measurement	Standard clearance (Assembly standard)	Service limit
1	Backlash (all gears)	0.14 ~ 0.32 (0.0055 ~ 0.0126)	1.0 (0.0394)
2	Face width of sprocket teeth (all sprockets)	40 (1.575)	36 (1.417)
3	Torque for pinion lock plate attaching bolts	4.2 ± 0.4 kg-m (30 ± 2.9 ft-lb)	
4	Preload of tapered roller bearing (all bearings)	0.28 ~ 0.36 kg-m (2.03 ~ 2.60 ft-lb)	
5	Torque for final drive gear case attaching bolts	29 ~ 32 kg-m (210 ~ 231 ft-lb)	

