

Transmission - Continued

Countershaft spacer lengths

Between front bearing and 3rd speed driven gear - inch . . . . .	.848 to .852 (beveled edge to bearing)
Between 3rd speed driven gear and 2nd speed driven gear - inches	1.310 to 1.314
Between 2nd speed driven gear and 1st speed driven gear - inch . . . . .	.310 to .314
Between 1st speed driven gear and reverse driven gear - inch . . . . .	.686 to .690
Between reverse driven gear and rear bearing - inch . . . . .	.690 to .694 (beveled edge to bearing)

Countershaft OD

For front bearing - inch . . . . .	.7873 to .7876
For rear bearing - inches	1.1803 to 1.1808

Spline and clutch shaft gears (no. teeth)

1st and reverse speed sliding gear	13
2nd and 3rd speed sliding gear	16 and 26

Spline and clutch shaft OD

For front bearing - inch . . . . .	.9842 to .9846
For rear bearing - inch . . . . .	.8095 to .8099

Reverse idler shaft OD - inch . . . . .	.610 to .611
Reverse idler gear bushing (installed and reamed) ID - inch . . . . .	.6120 to .6130

Bearings

Countershaft	Ball - front Roller - rear
Spline and clutch shaft	Ball - front Needle - rear

Special torques

Transmission countershaft nut	90 ft. lbs.
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Differential

Type	Bevel gears and pinions
Number of pinions	2 (10 teeth)
Number of side gears	2 (16 teeth)
Bearings (2)	Tapered roller
Bevel pinion and drive gear backlash - inch . . . . .	.003 to .005
Bevel pinion location	Integral part of countershaft
Drive gear location	In transmission case
Ratio (bevel pinion to drive gear)	10 to 46
Differential bearing pre-load (rolling torque)	1 to 8 in. lbs.