

# SPECIFICATIONS

## MATERIAL SPECIFICATIONS

Name	Specification	Capacity
Motorcraft® Dual Clutch Transmission Fluid XT-11-QDC	WSS-M2C200-D2	1.85 qt (1.75 L) (0- 5 mm below the lower edge of the fill plug hole)

## SHIM THICKNESS CALCULATIONS

Type	1st - 4th gear output shaft	5th, 6th and reverse gear output shaft	Differential assembly
Measuring shims (mm)	-	-	+1.10
Measured end float (example) (mm)	+1.56	+1.51	+0.36
Addition value (mm) to obtain correct bearing pre-load	+0.17	+0.15	+0.20
Required shim thickness (example) (mm)	= 1.73	= 1.66	= 1.66
Available shims (mm)	1.44 -2.16 (in 0.02 mm steps)	1.44 -2.16 (in 0.02 mm steps)	1.44 - 2.28 (in 0.02 mm steps)

If the thickness of the required shim is odd, select the shim with the next higher thickness value.

## TRANSMISSION RATIOS

2.0L GTDI (Gasoline Turbocharged Direct Injection) engine	Internal Gearbox Ratio(s)	Final Drive Ratio(s)	Overall Ratio(s)
1st gear	3.231	4.063	13.128
2nd gear	1.952	4.063	7.931
3rd gear	1.241	4.063	5.367
4th gear	0.868	4.063	4.101
5th gear	0.943	2.955	3.336
6th gear	0.789	2.955	2.786
Reverse gear	1.423	2.955	<sup>(1)</sup> (1.423 x 3.231 x 2.955) = 13.560

(1) The overall ratio for reverse gear is calculated by multiplying the internal gearbox ratio for reverse gear, 1st gear and the final drive ratio of the 5th/6th and reverse gear output shaft.