

CAPACITIES

	LITRES
Transmission fluid (0 - 5 mm below the lower edge of the inspection hole)	1.75

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)

TRANSMISSION RATIOS

1.6L ECOBOOST ENGINE (GALAXY WITH GNS)	INTERNAL GEARBOX RATIO(S)	FINAL DRIVE RATIO(S)	OVERALL RATIO(S)
1st gear	3.818	3.813	14.557
2nd gear	2.150	3.813	8.197
3rd gear	1.423	3.813	5.425
4th gear	1.029	3.813	3.921
5th gear	1.129	2.773	3.130
6th gear	0.943	2.773	2.614
Reverse gear	1.423	*(3.818 x 2.772) = 10.583	15.066

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

TRANSMISSION RATIOS

1.6L ECOBOOST ENGINE (GALAXY/S-MAX), (S-MAX WITH GNS)	INTERNAL GEARBOX RATIO(S)	FINAL DRIVE RATIO(S)	OVERALL RATIO(S)
1st gear	3.818	4.063	15.511
2nd gear	2.150	4.063	8.734
3rd gear	1.423	4.063	5.781
4th gear	1.029	4.063	4.179
5th gear	1.129	2.955	3.336
6th gear	0.943	2.955	2.786
Reverse gear	1.423	*(3.818 x 2.955) = 11.282	16.054

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

TRANSMISSION RATIOS

1.6L DIESEL ENGINE (GALAXY/S-MAX WITH OR WITHOUT GNS)	INTERNAL GEARBOX RATIO(S)	FINAL DRIVE RATIO(S)	OVERALL RATIO(S)
1st gear	3.583	4.063	14.557
2nd gear	1.952	4.063	7.932
3rd gear	1.241	4.063	5.043
4th gear	0.868	4.063	3.528
5th gear	0.943	2.955	2.786
6th gear	0.789	2.955	2.333
Reverse gear	1.423	*(3.583 x 2.955) = 10.588	15.066

*** The final drive ratio for reverse gear is calculated by multiplying the internal gearbox**

ratio for 1st gear by the final drive ratio of the 5th/6th and reverse gear output shaft.

TRANSMISSION RATIOS

2.0L ECOBOOST ENGINE (S-MAX)	INTERNAL GEARBOX RATIO(S)	FINAL DRIVE RATIO(S)	OVERALL RATIO(S)
1st gear	3.818	3.813	14.557
2nd gear	2.150	3.813	8.197
3rd gear	1.423	3.813	5.425
4th gear	1.029	3.813	3.921
5th gear	1.129	2.773	3.130
6th gear	0.943	2.773	2.614
Reverse gear	1.423	*(3.818 x 2.772) = 10.583	15.066

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

TRANSMISSION RATIOS

2.0L DIESEL ENGINE (GALAXY/S-MAX) (EMISSION REQUIREMENTS: STAGE III / STAGE IV / STAGE V)	INTERNAL GEARBOX RATIO(S)	FINAL DRIVE RATIO(S)	OVERALL RATIO(S)
1st gear	3.583	4.063	14.560
2nd gear	1.952	4.063	7.930
3rd gear	1.241	4.063	5.040
4th gear	0.868	4.063	3.530
5th gear	0.943	2.955	2.790
6th gear	0.789	2.955	2.330
Reverse gear	1.423	*(3.583 x 2.955) = 10.588	15.070

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

