

Gear ratios

1st

2.923076923	38/13
3.166666667	38/12
3.250	39/12

2nd

1.750	35/20
1.842105263	35/19
1.894736842	36/19

3rd

1.142857143	32/28		
1.15	ditto ?	or	23/20
1.222222222	33/27		
1.24	31/25		
1.307692308	34/26		
1.333333333	32/24		

4th

0.848484848	28/33		
0.85	34/40	or	same as above
0.90625	29/32		
0.909090909	30/33		
0.935483871	29/31		
0.94	ditto ?		
0.96	24/25		
1.033333333	31/30		
1.04	26/25		

5th

0.648648649	24/37		
0.65	26/40	or	same as above
0.666666666	28/42	or	14/21?
0.714285714	25/35		
0.75	24/32		
0.764705882	26/34		
0.77	ditto ?		
0.848484848	28/33		
0.85	34/40	or	same as above

K16 1.8 engines use the Honda-type gears, but the casings are different from those used with the various 2-litre engines. All O, M and T-Series gearboxes are interchangeable with each other, including the diesels, I believe. But the K-Series ones aren't interchangeable with these as complete assemblies, because of the different bell-housing, as far as I know.

Observations

MG Maestro is spot-on for gearing.

M16 Montego is a fraction high in 1st for taking off. 185/60 tyres might be enough to correct it, but I feel a slightly wider ratio set would be better, e.g. C, V or R ratios.