

SQS - 5speed Cosworth SEQUENTIAL dog-box

Gearbox is based on Ford MT75 - 4x4, used in Sierra and Escort Cosworth 4x4

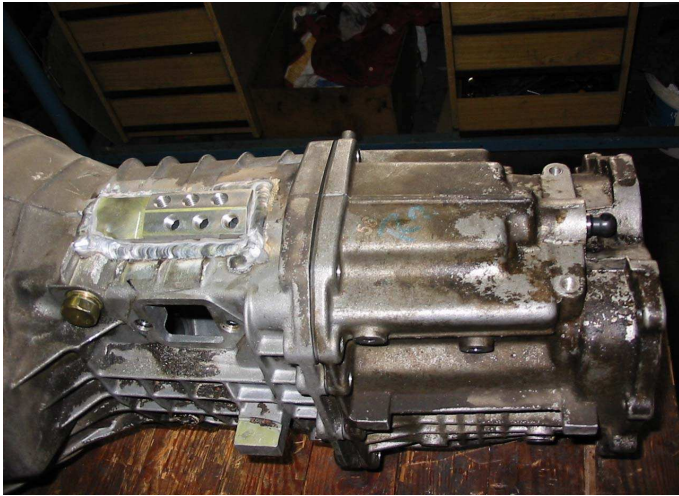
SQS dog-kit contents all 3 shafts all gears and dog clutches + steel forks.



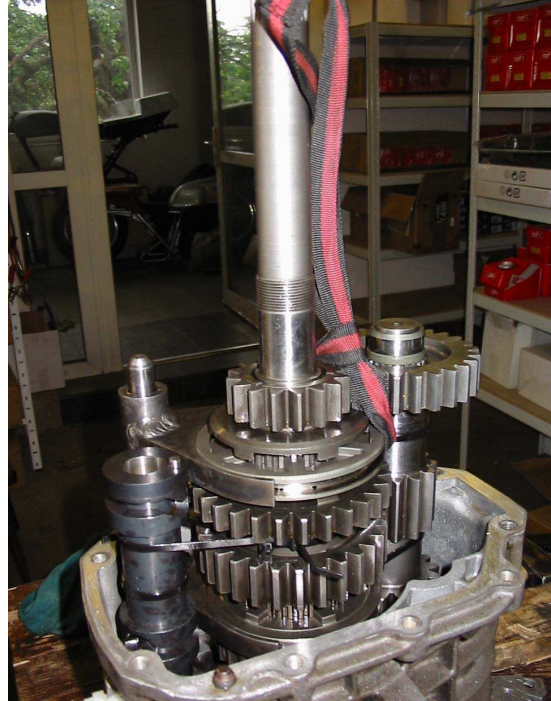
SEQUENTIAL kit contents from shift drum, shift turret, lever on holder with automatic centre positioning and gear indicator with electronic control box.



Gearbox use original gearcase - requires machining of top to enable install inside shifting drum with shift turret and connection of gear indication.



Assembly



All gear ratios can be modified customly - only direct drive (1:1) must be used at 4th or 5th gear.
 here are 3 various sets we did in past - can be modified according your needs.
 You must know what Final Drives you have in axles !

Original Final Drives in axles:

3,6	4,3
3,9	4,6
4,1	

"Direct 5"

	teeth		ratio	constant 24/17	total ratio
1.gear	28	12	2,333	1,411	3,292
2.gear	24	16	1,500	1,411	2,117
3.gear	21	20	1,050	1,411	1,482
4.gear	15	18	0,833	1,411	1,176
5.gear				direct	1,000

km/h		max RPM	RPM - after	RPM - drop
62	7000			
97	200	tyre perimeter	4 500	-2 500
138	4,100	final drive ratio	4 900	-2 100
174			5 556	-1 444
205			5 953	-1 047

"Direct 4"

	teeth		ratio	constant 24/18	total ratio
1.gear	28	12	2,333	1,333	3,110
2.gear	25	16	1,563	1,333	2,083
3.gear	22	21	1,048	1,333	1,396
4.gear	direct				1,000
5.gear	16	25	0,640	1,333	0,853

km/h		max RPM	RPM - after	RPM - drop
66	7000			
98	200	tyre perimeter	4 688	-2 313
147	4,100	final drive ratio	4 693	-2 307
205			5 013	-1 987
240			5 972	-1 028

Use attached counter (excel file) to count speeds of your car !