

## Mk I (1959 – 1967)

Number	Type	Laygear	Final Drive	Applications	Remarks
2A3708	Cone Synchro, Magic Wand	2A3705	3.76 Rubber Joint	Mini 850	0
22A104	Cone Synchro, Magic Wand	2A3705	3.76 Rubber Joint	Mini 850	1
22A145	Cone Synchro, Magic Wand	?	3.76 Rubber Joint	Mini 850	1
22A363	Cone Synchro, Magic Wand	?	3.76 Rubber Joint	Mini 850	2
22A363	Cone Synchro, Remote	22A350	3.76 Rubber Joint	Cooper 997 *	5, 6, 7
22G382	3-Synchro B-type, Magic Wand	22G231	3.76 Rubber Joint	Elf/Hornet?	3
22G382	3-Synchro B-type, Remote	22G231	3.76 Rubber Joint	Elf/Hornet?	3
22G68	3 Synchro A-type, Magic Wand	22A381	3.76 Rubber Joint	Mini 850	4
22G68	3 Synchro B-type, Magic Wand	22G231	3.76 Rubber Joint	Mini 850 *	4
22G68	3 Synchro A-type, Remote	22G76	3.76 Rubber Joint	Cooper 997	6, 7, 8
22G68	3-Synchro B-type, Remote	22G204	3.76 Rubber Joint	Cooper 997	7, 9
22G68	3-Synchro B-type, Remote	22G204	3.76 Rubber Joint	Cooper 998	7, 10
22G68	3-Synchro B-type, Remote	22G232	3.76 Rubber Joint	Cooper 998 *	7, 11, 12
22G190	3 Synchro B-type, Remote	22G197	3.76 Rubber Joint	Cooper 1071S *	13, 14
22G190	3 Synchro B-type, Remote	22G204	3.76 Rubber Joint	Cooper 1071S *	13, 15
22G190	3 Synchro B-type, Remote	22G204	3.76 Rubber Joint	Cooper 970S	13, 16
22G333	3 Synchro B-type, Remote	22G232	3.76 Rubber Joint	Cooper 970S *	12, 13, 17
22G333	3 Synchro B-type, Remote	22G232	3.44 Rubber Joint	Cooper 1275S *	12, 18, 19
22G333	3 Synchro B-type, Remote	22G232	3.44 Hardy Spicer	Cooper 1275S *	12, 18, 20

### Remarks:

- \* Confirmed on original car
- 0. Existence confirmed
- 1. Indicated laygear number not confirmed. Laygear number G40 has been confirmed for an 22A104 casing
- 2. Existence of casing and further data to be confirmed
- 3. Existence of 22G382 box both Magic Wand and Remote is confirmed but applications are unclear (Could be Hornet/Elf Mk I/II)
- 4. There exist 22G68 casings with and without two round moldings on the fins at the front side
- 5. 9F Sa H101 to 9F Sa H10666 and 9F Sa L101 to 9F Sa L10447
- 6. The 22G204 laygear was used with B-type 1st gear/hub 22A1021 and reverse gear 22G202 as service parts to replace earlier cone synchromesh gears
- 7. Alternative 3.44 final drive ratio available as factory option
- 8. 9F Sa H10667 to 9F Sa H26376 (less 9F Sa H19201 to 9F Sa H20410) and 9F Sa L10448 to 9F Sa L28575
- 9. From 9F Sa L28576
- 10. 9FD Sa H101 to 9FD Sa H1960 (less 9FD Sa H1916 to 9FD Sa H1924) and 9FD Sa L101 to 9FD Sa L644
- 11. From 9FD Sa H1961 (plus 9FD Sa H1916 to 9FD Sa H1924) and from 9FD Sa L645
- 12. Laygear 22G232 has been renumbered to 22G1100
- 13. Alternative 3.44, 3.94, 4.13, 4.27, 4.35 final drive ratios available as factory option
- 14. 9F Sa H19201 to 9F Sa H20410 plus 9F Sa H26501 to 9F Sa H20248
- 15. From 9F Sa H20249
- 16. 9F Sa X29001 to 9F Sa X29040
- 17. From 9F Sa X29041, no cut out at front side – radiator corner
- 18. Alternative 3.76, 3.94, 4.13, 4.27, 4.35 final drive ratios available as factory option
- 19. 9F Sa Y31001 to 9F Sa Y41233
- 20. From 9F Sa Y41234

Alternative gearing available as factory option for gearboxes based on 22G392 mainshaft (which have late B-type as originally for 22G232 laygear based boxes) for Cooper and S only:

- \* C-22G210 (helical cut close ratio)
- \* C-22G335 (straight cut standard ratios)
- \* C-22G306 (straight cut close ratio) (was replaced by 22G1047)

The original laygears are marked with the appropriate 22Gxxx number

## Mk II (1967 – 1969)

Number	Type	Laygear	Final Drive	Applications	Remarks
22A1288	3 Synchro B-type, Magic Wand	22G231	3.76 Rubber Joint	Mini 850	
22A1288	3 Synchro B-type, Remote	22G232	3.76 Rubber Joint	Cooper 998 *	21
22A1522	3 Synchro B-type, Remote	22G232	3.44 Hardy Spicer	Cooper 1275S *	22
22G1128	4 Synchro, Remote	22G927	3.76 Rubber Joint	Mini 850/1000 *, Cooper 998	21, 23
22G1128	4 Synchro, Remote	22G1040	3.44 Hardy Spicer	Cooper 1275S *	22, 23
22G846	4 Synchro, Remote	22G927	3.76 Rubber Joint	Hornet/Elf *	23
22G1128	4 Synchro, Sandwich Remote	22G927	4.13 Rubber Joint	1100/1300 *	23, 24

Remarks:

- \* Confirmed on original car
- 21. Alternative 3.44 final drive ratio available as factory option
- 22. Alternative 3.76, 3.94, 4.13, 4.27, 4.35 final drive ratios available as factory option
- 23. The 4 synchro gearbox 22G1128 was introduced in 1968
- 24. The non-Mini 22G1128 casing with sandwich remote is included for completeness

Straight cut close ratio 4-synchro gearing was available as factory option for Cooper S only based on laygear 22G1737

Other remarks:

- The Mk2 Hornet/Elf had chrome magic wands

## Mk III (1969 – 1976)

Number	Type	Laygear	Final Drive	Applications	Remarks
22G1128	4 Synchro, Magic Wand	22G927	3.76 Rubber Joint	Mini 850, Mini 1000 *	25
22G1128	4 Synchro, Remote	22G927	3.76 Rubber Joint	Mini 850	
22G1128	4 Synchro, Remote	22G927	3.44 Rubber Joint	Mini 1000 *, Clubman 1000	
22G1128	4 Synchro, Remote	22G1040	3.44 Hardy Spicer	Cooper 1275S *	26
22G1128	4 Synchro, Remote	22G1040	3.65 Rubber Joint	Clubman 1275GT	
22G1832	4 Synchro, Rod	22G927	3.76 Pot Joint	Mini 850 *	27
22G1832	4 Synchro, Rod	22G927	3.44 Pot Joint	Mini 1000/1100 *, Clubman 1100 *	27
22G1832	4 Synchro, Rod	22G1040	3.44 Pot Joint	Clubman 1275GT *	27, 29

Remarks:

- \* Confirmed on original car
- 25. Used for the very first 85H engines in 1970 where a standard 22G1128 remote casing was equipped with magic wand gear lever by using shaft 88G233 or 88G553 (non-remote housing), button 2A3467, spring 2A3390 and plate/pad 22A1832. Also confirmed for very late 1969 Mini 1000.
- 26. Alternative 3.76, 3.94, 4.13, 4.27, 4.35 final drive ratios available as factory option
- 27. The rod change gearbox 22G1832 was introduced in 1973
- 28. Unclear when change of final drive ratio to 3.44 occurred