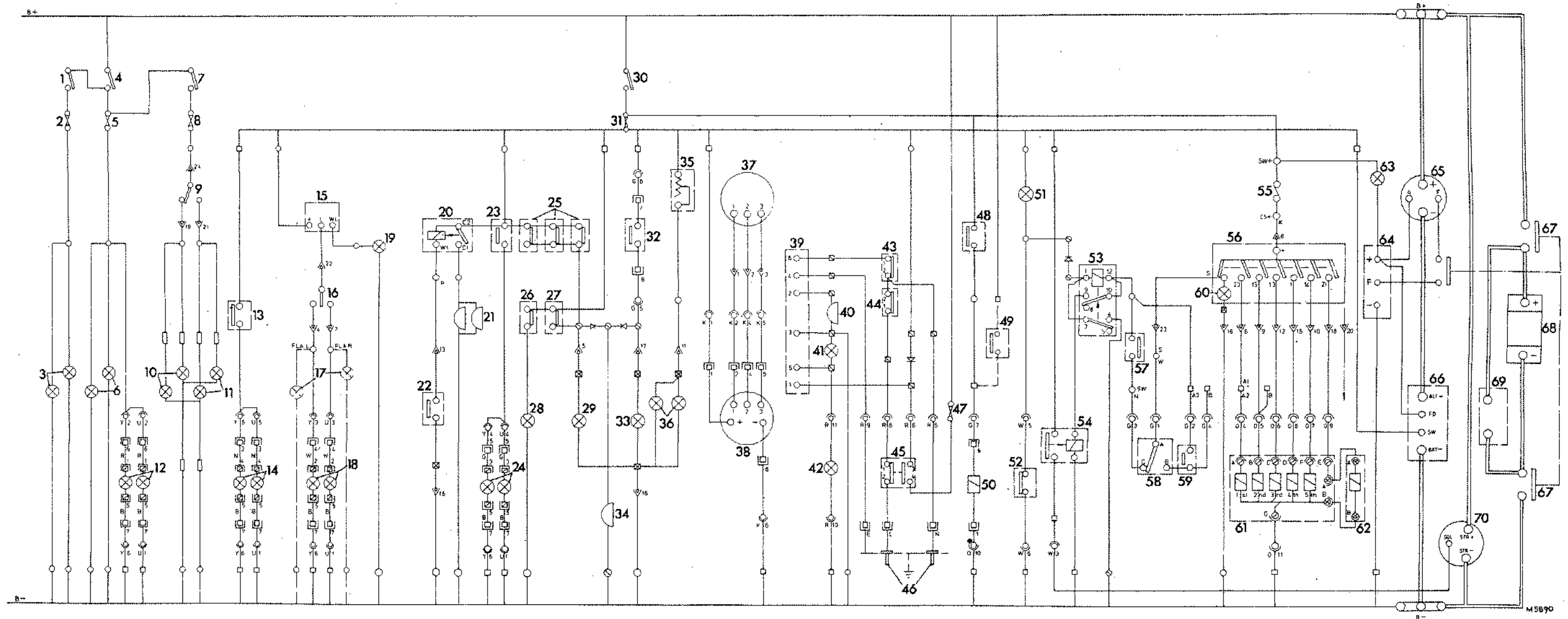


FIG.41. SYSTEM WIRING DIAGRAM—AUTOMATIC CONTROL

- | | | |
|---|-----------------------------|---------------------------------|
| 1. Switch, performance level | 5. Switch, low air pressure | 9. Transducer |
| 2. Switch, selector | 6. E.P. Valve 1-way | 10. Throttle dip valve |
| 3. Connection, see vehicle Wiring Diagram | 7. E.P. Valve 5-way | 11. Terminal box |
| 4. Pins, transiator terminals | 8. Cable co-axial 2-core | 12. Vehicle negative connection |

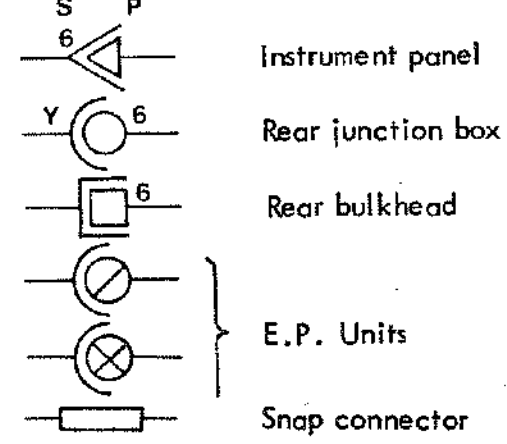


- 1. Switch, fog lamp.
- 2. Fuse, 10 Ampere, fog lamp.
- 3. Fog lamp, LH and RH.
- 4. Switch, side and tail lamp.
- 5. Fuse, 10 Ampere, side and tail lamp.
- 6. Side lamp, LH and RH.
- 7. Switch, headlamp.
- 8. Fuse, 10 Ampere, headlamp.
- 9. Switch, dip, headlamp.
- 10. Headlamp, main, LH and RH.
- 11. Headlamp, dip, LH and RH.
- 12. Tail lamp, LH and RH.
- 13. Switch, reverse lamp.
- 14. Reverse lamp, LH and RH.
- 15. Relay, turn direction flasher.
- 16. Switch, turn direction flasher.
- 17. Front, turn direction indicator flasher—LH and RH.
- 18. Rear, turn direction indicator flasher—LH and RH.
- 19. Warning lamp—flasher.
- 20. Relay, horn.
- 21. Horns.
- 22. Horn button.
- 23. Switch, stop lamp.
- 24. Stop lamp, LH and RH.
- 25. Switch, low air pressure.
- 26. Switch, handbrake warning lamp. (Junction box)
- 27. Switch, low air pressure. (Junction box)
- 28. Warning lamp, handbrake.
- 29. Warning lamp, low air pressure.
- 30. Switch, start.
- 31. Fuse, 10 Ampere, auxiliary.
- 32. Thermal switch—engine coolant.
- 33. Warning lamp, coolant temperature.

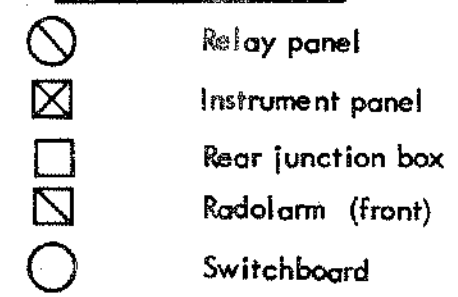
- 34. Warning buzzer—low air pressure or engine coolant high temperature.
- 35. Rheostat, instrument panel.
- 36. Instrument panel lighting.
- 37. Speedometer.
- 38. Speedometer generator.
- 39. Low coolant level alarm unit.
- 40. Warning buzzer—low coolant level.
- 41. Warning lamp—low coolant—front.
- 42. Warning lamp—low coolant—rear.
- 43. Integrity test button—coolant level alarm.
- 44. Test button, top-up, front.
- 45. Test button, top-up, rear.
- 46. Radolarm probes, bottom and top.
- 47. Fuse, 5 Ampere, low coolant alarm.
- 48. Push-button, engine stop.
- 49. Emergency push-button, engine stop.
- 50. Solenoid, engine stop.
- 51. Warning lamp, low oil pressure.
- 52. Switch, low oil pressure.
- 53. Relay, interlock.
- 54. Relay, starter.
- 55. Circuit breaker, 10 Ampere.
- 56. Switch, gear selector.
- 57. Push-button—front—engine start.
- 58. Micro-switch—engine canopy.
- 59. Push-button—rear—engine start.
- 60. Indicator lamp.
- 61. 5-Way Electro-pneumatic unit.
- 62. 1-Way Electro-pneumatic unit.
- 63. Warning lamp—no charge.
- 64. Voltage regulator.
- 65. Alternator.
- 66. Relay, reverse polarity.
- 67. Indicator, batteries.

- 68. Batteries.
- 69. External charge socket.
- 70. Starter motor.

KEY TO PLUGS AND SOCKETS



KEY TO TERMINALS

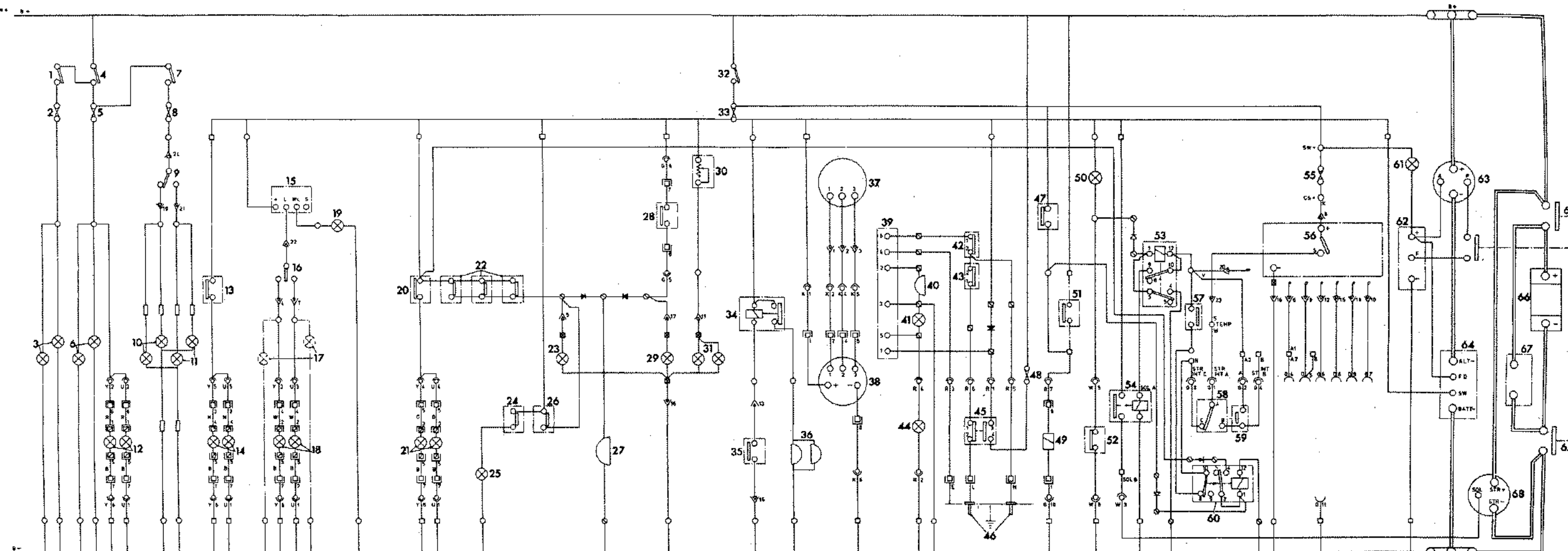


COLOURS

- N Brown
- G Green
- K Pink
- O Orange
- R Red
- U Blue
- W White
- Y Yellow
- B Black

Number denotes pin number and prefix letter denotes housing colour

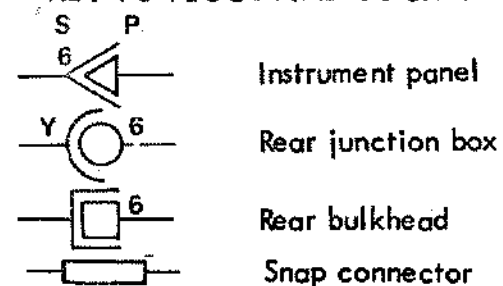
WIRING DIAGRAM FOR AN68 CHASSIS—5 SPEED ELECTRO-PNEUMATIC SHIFT SEMI-AUTOMATIC GEARBOX



1. Switch, fog lamp.
2. Fuse, 10 Ampere, fog lamp.
3. Foglamp, LH and RH.
4. Switch, side and tail lamps.
5. Fuse, 10 Ampere, side and tail lamps.
6. Side lamp, LH and RH.
7. Switch, headlamp.
8. Fuse, 10 Ampere, headlamp.
9. Switch, dip, headlamp.
10. Headlamp, main, LH and RH.
11. Headlamp, dip, LH and RH.
12. Tail lamp, LH and RH.
13. Switch, reverse lamp.
14. Reverse lamp, LH and RH.
15. Relay, turn direction flasher.
16. Switch, turn direction flasher.
17. Front turn direction indicator flasher—LH and RH.
18. Rear turn direction indicator flasher—LH and RH.
19. Warning lamp—flasher.
20. Switch, stop lamp.
21. Stop lamp, LH and RH.
22. Switch, low air pressure.
23. Warning lamp, low air pressure.
24. Switch, parking brake. (Junction box)
25. Warning lamp, parking brake.
26. Switch, low air pressure. (Junction box)
27. Warning buzzer—low air pressure or engine coolant high temperature.
28. Switch, coolant temperature.
29. Warning lamp, coolant temperature.
30. Rheostat, instrument panel lighting.
31. Instrument panel lamps.
32. Switch, start.
33. Fuse, 10 Ampere, auxiliary.

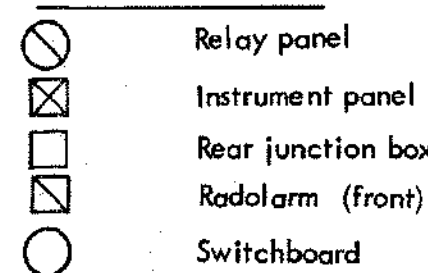
34. Horn, Relay
35. Horn, button.
36. Horns, Windtone
37. Speedometer.
38. Speedometer generator.
39. Low coolant level alarm unit.
40. Warning buzzer—low coolant level.
41. Warning lamp—low coolant—front.
42. Integrity test button—low coolant level alarm.
43. Test button, top-up, front.
44. Warning lamp—low coolant—rear.
45. Test button, top-up, rear.
46. Radiator probes, bottom and top.
47. Push-button, engine stop.
48. Fuse, 5 Ampere, low coolant alarm.
49. Solenoid, engine stop.
50. Warning lamp, low oil pressure.
51. Push-button, emergency engine stop
52. Switch, low oil pressure.
53. Relay, interlock.
54. Relay, starter.
55. Fuse, 2 Ampere, gearbox.
56. Selector switch — neutral position.
57. Push-button front, engine start.
58. Micro-switch, engine canopy.
59. Push-button rear, engine start.
60. Relay, start sequence.
61. Warning lamp — no charge.
62. Voltage regulator.
63. Alternator.
64. Relay, reverse polarity.
65. Isolator, batteries.
66. Batteries.
67. External charge socket.
68. Starter motor.

KEY TO PLUGS AND SOCKETS



Number denotes pin number and prefix letter denotes housing colour

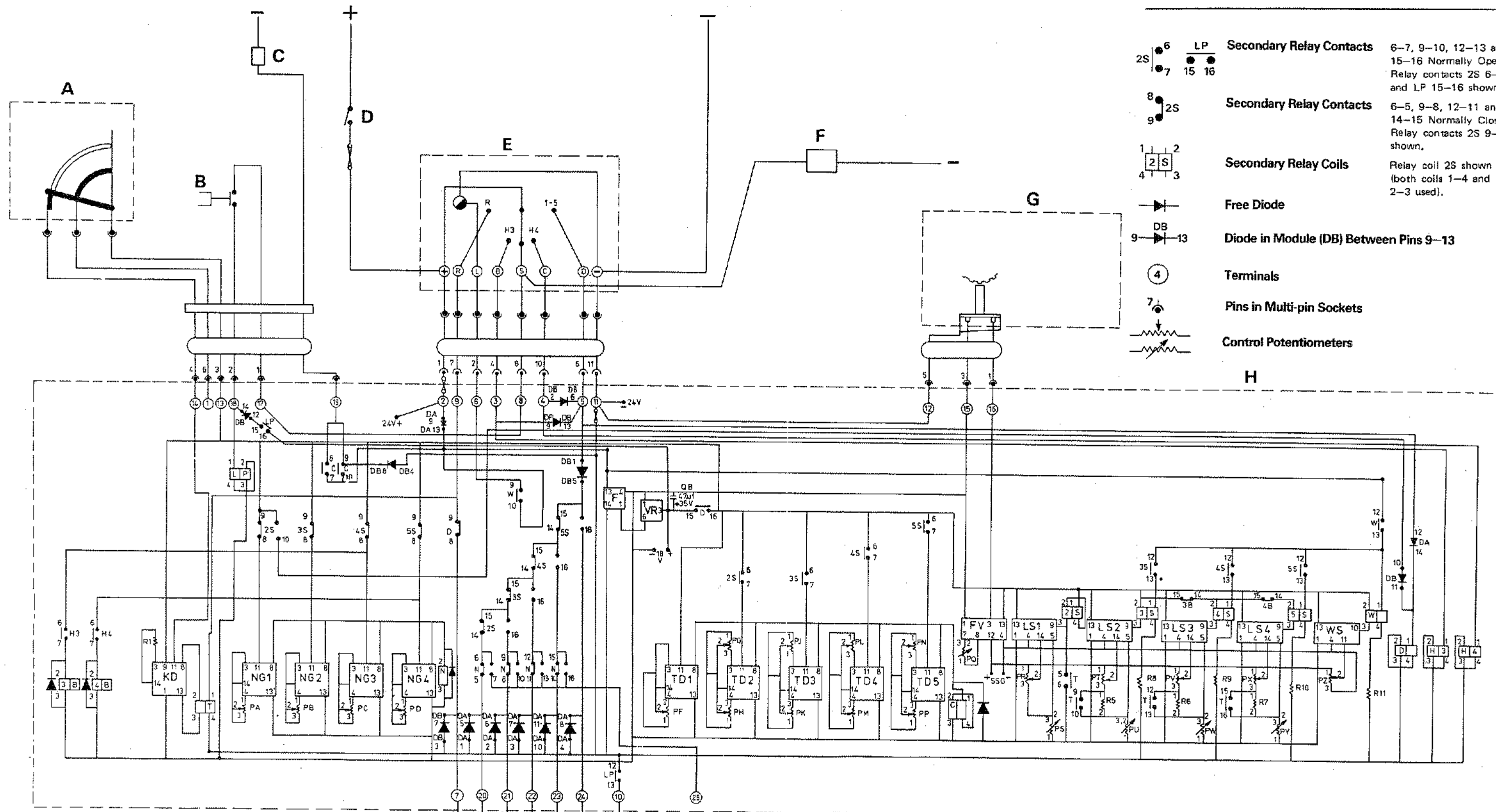
KEY TO TERMINALS



COLOURS

- | | |
|---|--------|
| N | Brown |
| G | Green |
| K | Pink |
| O | Orange |
| R | Red |
| U | Blue |
| W | White |
| Y | Yellow |
| B | Black |

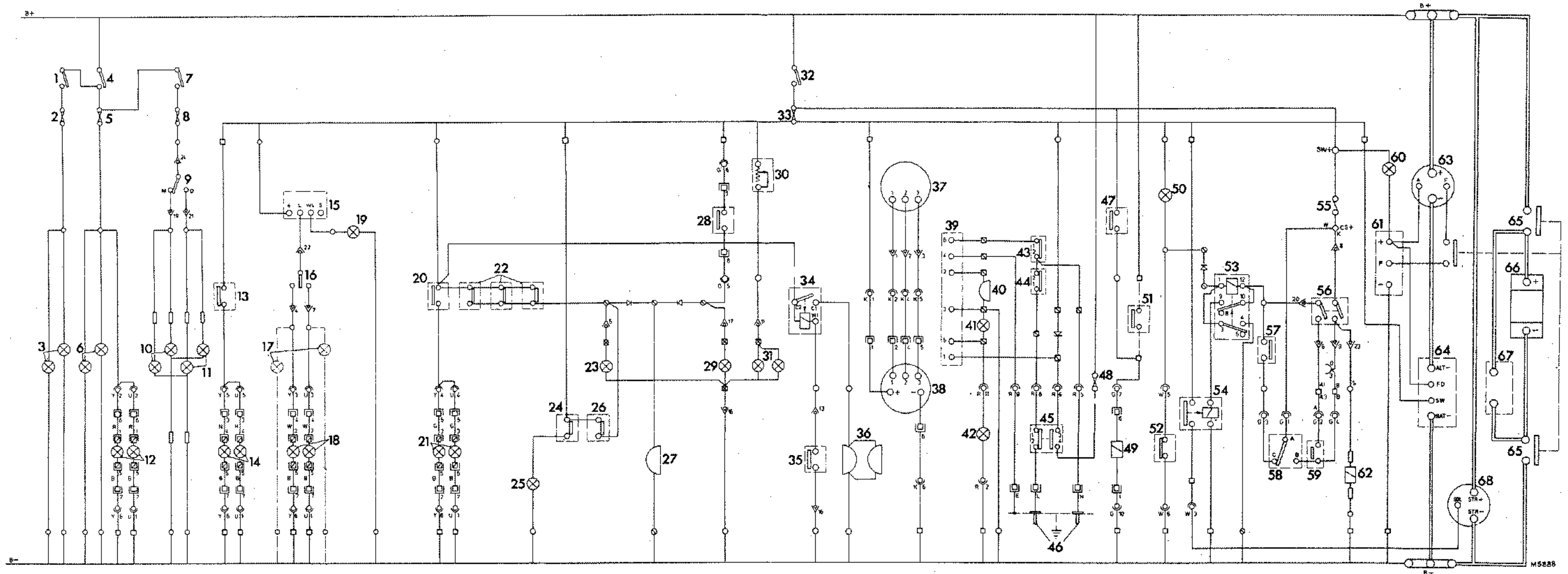
Gearbox Control 33



- Secondary Relay Contacts** 6-7, 9-10, 12-13 and 15-16 Normally Open. Relay contacts 2S 6-7 and LP 15-16 shown.
- Secondary Relay Contacts** 6-5, 9-8, 12-11 and 14-15 Normally Closed. Relay contacts 2S 9-8 shown.
- Secondary Relay Coils** Relay coil 2S shown (both coils 1-4 and 2-3 used).
- Free Diode**
- Diode in Module (DB) Between Pins 9-13**
- Terminals**
- Pins in Multi-pin Sockets**
- Control Potentiometers**

- A — PERFORMANCE LEVEL SWITCH
- B — PROTECTION UNIT — LOW AIR PRESSURE
- C — THROTTLE DIP UNIT
- D — START SWITCH — AUX. POSITION
- E — SELECTOR SWITCH
- F — START RELAY
- G — PERCEPTION HEAD
- H — TRANSLATOR
- J — ELECTRO-PNEUMATIC VALVE

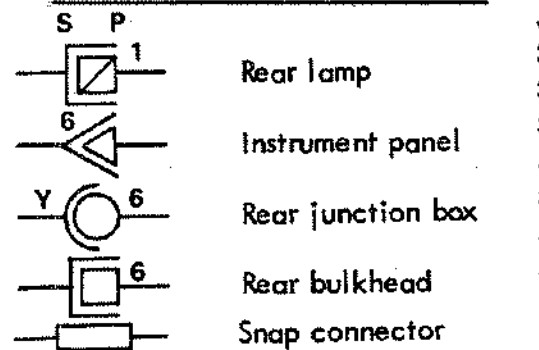
R8, R9, R10, R11 = 270Ω ± 5% 3 WATT



1. Switch, fog lamp.
2. Fuse, 10 Ampere, fog lamp.
3. Foglamp, LH and RH.
4. Switch, side and tail lamps.
5. Fuse, 10 Ampere, side and tail lamps.
6. Side lamp, LH and RH.
7. Switch headlamp.
8. Fuse, 10 Ampere, headlamp.
9. Switch, dip, headlamp.
10. Headlamp, main, LH and RH.
11. Headlamp dip, LH and RH.
12. Tail lamp, LH and RH.
13. Switch, reverse lamp.
14. Reverse lamp, LH and RH.
15. Relay, turn direction flasher.
16. Switch, turn direction flasher.
17. Front, turn direction indicator flasher—LH and RH.
18. Rear, turn direction indicator flasher—LH and RH.
19. Warning lamp—flasher.
20. Switch, stop lamp.
21. Stop lamp, LH and RH.
22. Switch, low air pressure.
23. Warning lamp, low air pressure.
24. Switch, parking brake.
25. Warning lamp, parking brake.
26. Switch, low air pressure.
27. Warning buzzer—low air pressure or engine coolant high temperature.
28. Switch, coolant temperature.
29. Warning lamp, coolant temperature.
30. Rheostat, instrument panel lighting.
31. Instrument panel lamps.
32. Switch, start.
33. Fuse, 10 Ampere, auxiliary.

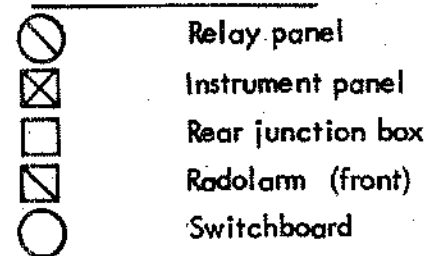
34. Relay, horn.
35. Horn button.
36. Horn, Windtone.
37. Speedometer.
38. Speedometer generator.
39. Low coolant level alarm unit.
40. Warning buzzer—low coolant level.
41. Warning lamp, low coolant—front.
42. Warning lamp, low coolant—rear.
43. Integrity test button—low coolant level alarm.
44. Test button—top-up—front.
45. Test button—top-up—rear.
46. Radiator probes, bottom and top.
47. Push button, engine stop.
48. Fuse, 5 Ampere, low coolant alarm.
49. Solenoid, engine stop.
50. Warning lamp—low oil pressure.
51. Push button—emergency engine stop.
52. Switch, low oil pressure.
53. Relay, interlock.
54. Relay, starter.
55. Circuit breaker, 10 Ampere.
56. Switch, start selector.
57. Push-button—front—engine start.
58. Micro-switch—engine canopy.
59. Push-button—rear—engine start.
60. Warning lamp—no charge.
61. Voltage regulator.
62. Electro-pneumatic valve—gear interlock.
63. Alternator.
64. Relay, reverse polarity.
65. Isolator, batteries.
66. Batteries.
67. External charge socket.
68. Starter motor.

KEY TO PLUGS AND SOCKETS



Number denotes pin number and prefix letter denotes housing colour

KEY TO TERMINALS



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