

SECTION VI

ELECTRICAL

ELECTRICAL CIRCUIT—DESCRIPTION

The 240Z Electrical System consists of two primary wire harness assemblies (engine compartment and instrument panel) and a secondary harness assembly for the body. Other sub-harness assemblies make up the system but are not shown in the wire diagrams. Individual wire color tracers do not always terminate as they began and may at times vary in color within harnesses manufactured for a given model series. Therefore, it is important to know connector function by name. The wire harness connector identification diagrams supplied in this section are intended for this purpose. The two wire diagrams are updated to include the heat and ventilating system blower electrical harness, not formerly identified.

CAUTION

Whenever doubt exists as to a wire origin or destination, it is important that a continuity check be made and the circuit positively identified.

NOTE

The wire color code as shown is typical of all wiring circuitry.

WIRE COLOR CODE

L.....	Blue
Y.....	Yellow
B.....	Black
R.....	Red
W.....	White
G.....	Green

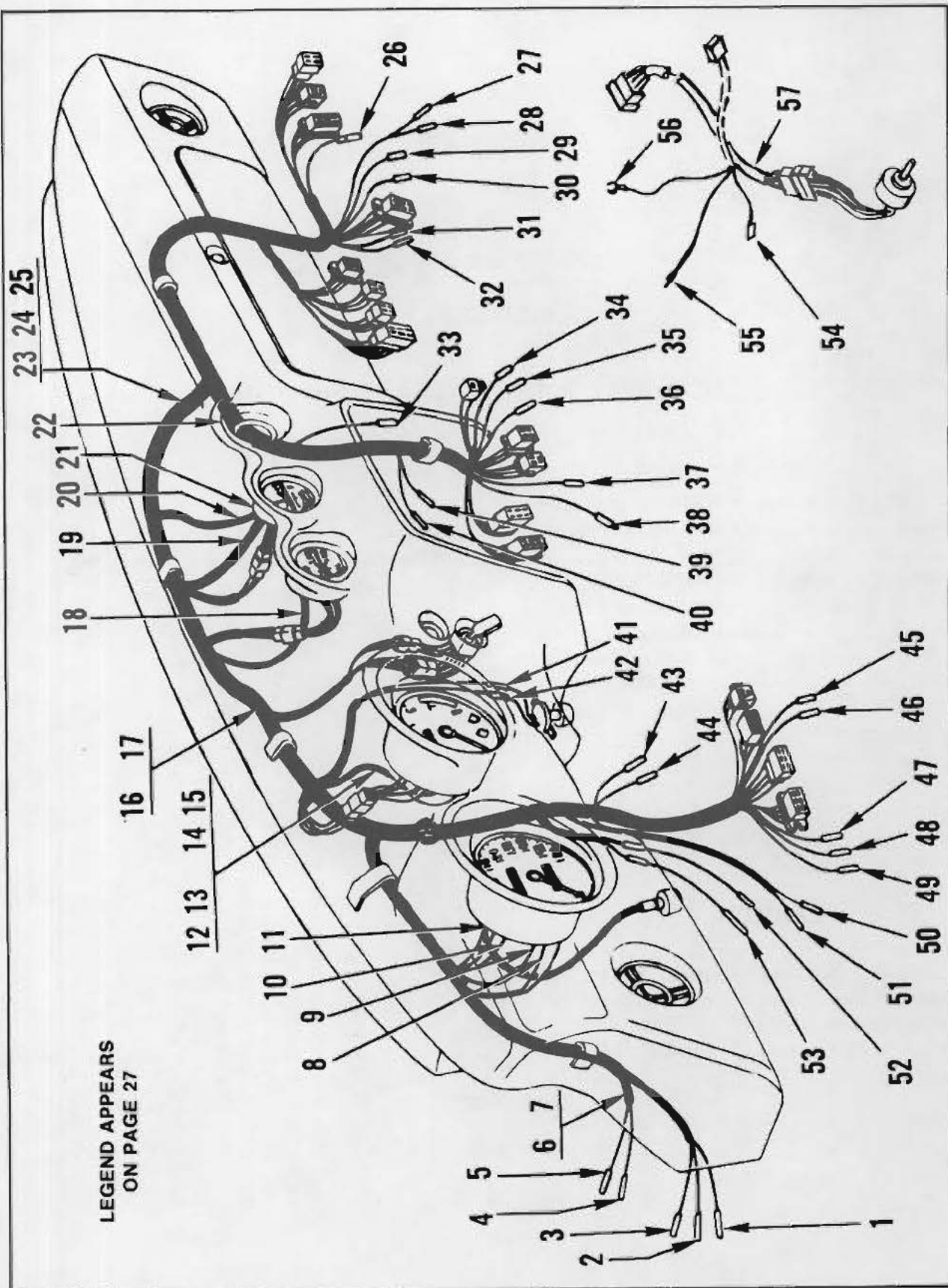


Figure VI-1. Instrument Panel Wire Harness (Single Connector Function and Color Identification)

- | | |
|---|--|
| 1. HORN RELAY (G) | 29. AMMETER TO ENGINE COMPARTMENT WIRE HARNESS, POSITIVE LEAD (+) (WR) |
| 2. HORN RELAY (GR) | 30. AMMETER TO ENGINE COMPARTMENT WIRE HARNESS, NEGATIVE LEAD (-) (W) |
| 4. ROOM LAMP, LEFT-HAND DOOR SWITCH (B) | 31. HEADLIGHT SWITCH TO ENGINE COMPARTMENT WIRE HARNESS (RW) |
| 5. ROOM LAMP, LEFT-HAND DOOR SWITCH (B) | 32. ALTERNATOR GROUND LEAD, "E" TERMINAL (B) |
| 6. STEP LIGHT POWER SOURCE (RL) | 33. VOLTAGE REGULATOR (W) |
| 7. STEP LIGHT POWER SOURCE (B) | 34. BLOWER MOTOR POWER SOURCE (L) |
| 8. SPEEDOMETER BRAKE WARNING LAMP (GY/YG) | 35. ALTERNATOR TO FUSE BLOCK (WR) |
| 9. SPEEDOMETER HI/LO BEAM INDICATOR LAMP (RW/R) | 36. AMMETER TO FUSE BLOCK (WR) |
| 10. SPEEDOMETER ILLUMINATION LAMP, UPPER (RL) | 37. FUSE BLOCK TO AMMETER (W) |
| 11. SPEEDOMETER ILLUMINATION LAMP, LOWER (RL) | 38. FUSE BLOCK TO ALTERNATOR (W) |
| 12. TACHOMETER ILLUMINATION LAMP (RL) | 39. BACKUP LIGHTS (RB) |
| 13. TACHOMETER ILLUMINATION LAMP (RL) | 40. BACKUP LIGHTS (LR) |
| 14. TACHOMETER LEFT-HAND TURN INDICATOR LAMP (GR) | 41. PANEL LIGHTING RHEOSTAT (RL) |
| 15. TACHOMETER RIGHT-HAND TURN INDICATOR LAMP (GB) | 42. PANEL LIGHTING RHEOSTAT (RL/RL) |
| 16. *FOG LIGHT SWITCH PROVISION (GW) | 43. STOP LIGHT SWITCH (GY) |
| 17. FOG LIGHT SWITCH PROVISION (R) | 44. STOP LIGHT SWITCH (GY) |
| 18. WATER TEMPERATURE OIL PRESSURE GAUGE ILLUMINATION LAMP (RL) | 45. STARTING LOCK SWITCH (B) |
| 19. AMMETER LEAD, POSITIVE (+) (WR) | 46. STARTING LOCK SWITCH (R) |
| 20. AMMETER LEAD, NEGATIVE (-) (W) | 47. TURN SIGNAL COMBINATION SWITCH (W) |
| 21. AMMETER/FUEL GAUGE ILLUMINATION LAMP (RL) | 48. MASTER GROUND WIRE (B) |
| 22. *CLOCK ILLUMINATION LAMP (RL) | 49. WASHER MOTOR (BY) |
| 23. *CLOCK POWER LEAD (L) | 50. TURN SIGNAL FLASHER SWITCH (W) |
| 24. *CLOCK GROUND LEAD (B) | 51. TURN SIGNAL FLASHER SWITCH (G) |
| 25. *STEP LIGHT POWER SOURCE—FOR ELECTRIC FUEL PUMP (G) | 52. WARNING BUZZER, "DOOR OPEN" (Y) |
| 27. HAZARD FLASHER (GW) | 53. WARNING BUZZER, "DOOR OPEN" (R) |
| 28. HAZARD FLASHER (BW) | 54. *AIR CONDITIONER POWER SOURCE (L) |
| | 55. BLOWER MOTOR POWER SOURCE (R) |
| | 56. BLOWER MOTOR GROUND LEAD (B) |
| | 57. INTERMEDIATE WIRE HARNESS BLOWER SWITCH/MOTOR |

*INDICATES WIRE IS SUPPLIED IN HARNESS.

Figure VI-1. Legend

1971 LATE MODEL

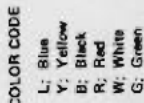


Figure VI-2. Instrument Panel, Electrical Harness (Major Connector Identification)

ENGINE COMPARTMENT HARNESS

MODEL 530 SERIES
1971 LATE MODEL

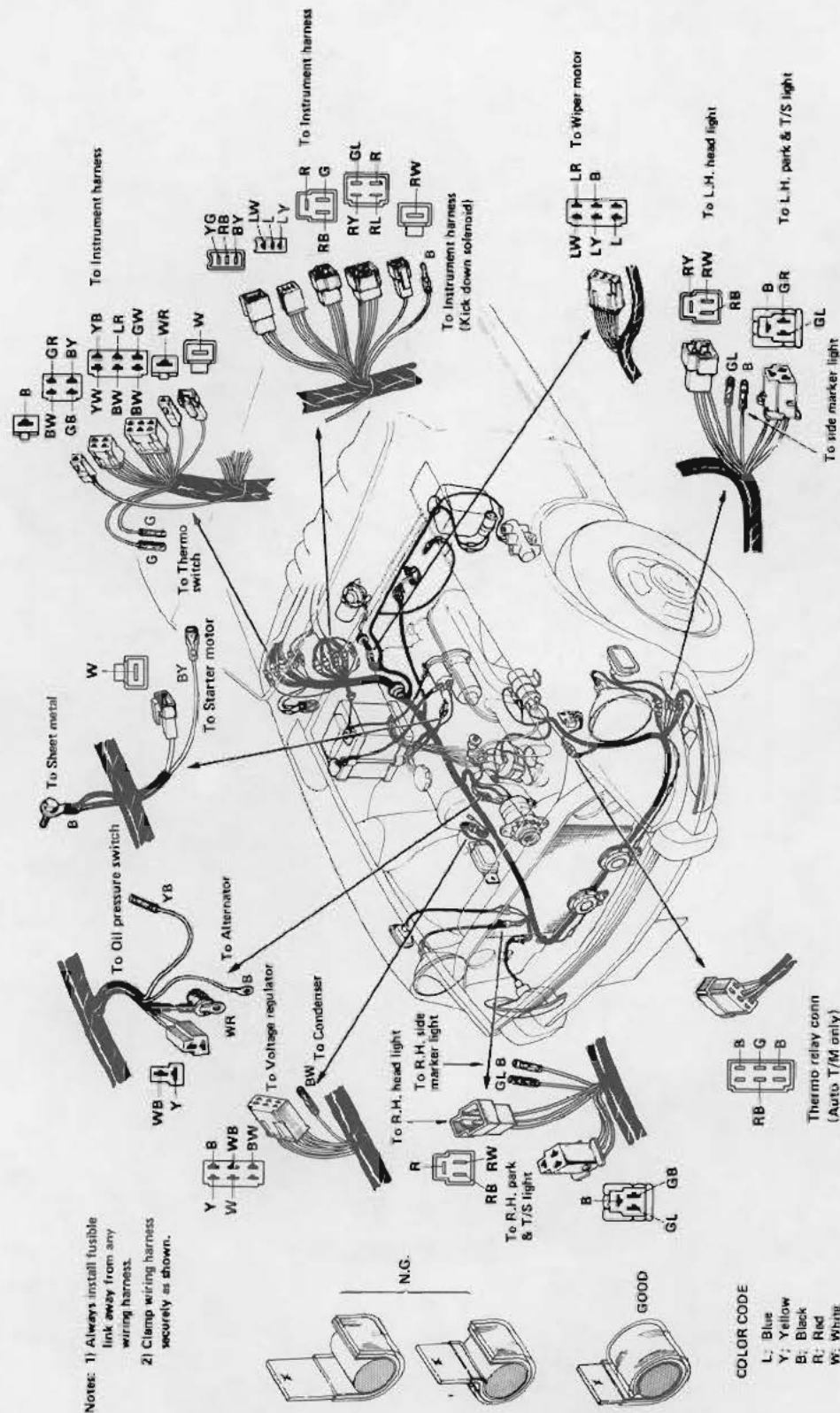


Figure VI-3. Engine Compartment, Electrical Harness (Major Connector Identification)

BODY HARNESS

MODEL S30 SERIES

1971 LATE MODEL

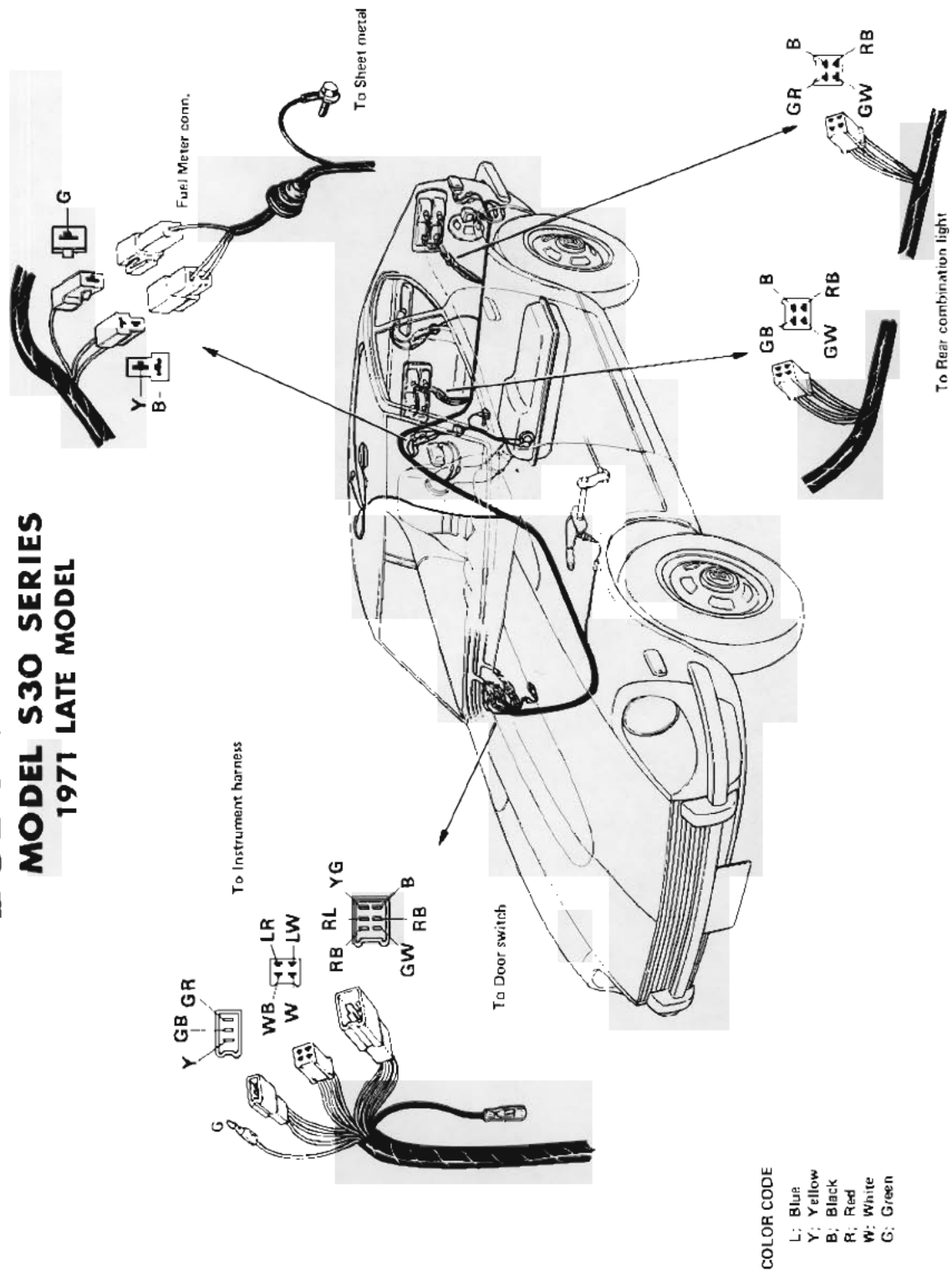


Figure VI-4. Body Electrical Harness (Major Connector Identification)

NOTES

NOTES

240Z SPORTS



COLOR CODE

B	Black
W	White
R	Red
Y	Yellow
G	Green
L	Blue

Figure VI-5. Wiring Diagram (Basic Model S30 Series for U.S.A.)

WIRING DIAGRAM 240Z SPORTS



COLOR CODE	
B	Black
W	White
R	Red
Y	Yellow
G	Green
L	Blue

Figure VI-6. Wiring Diagram (Late Model S30 Series for U.S.A.)

