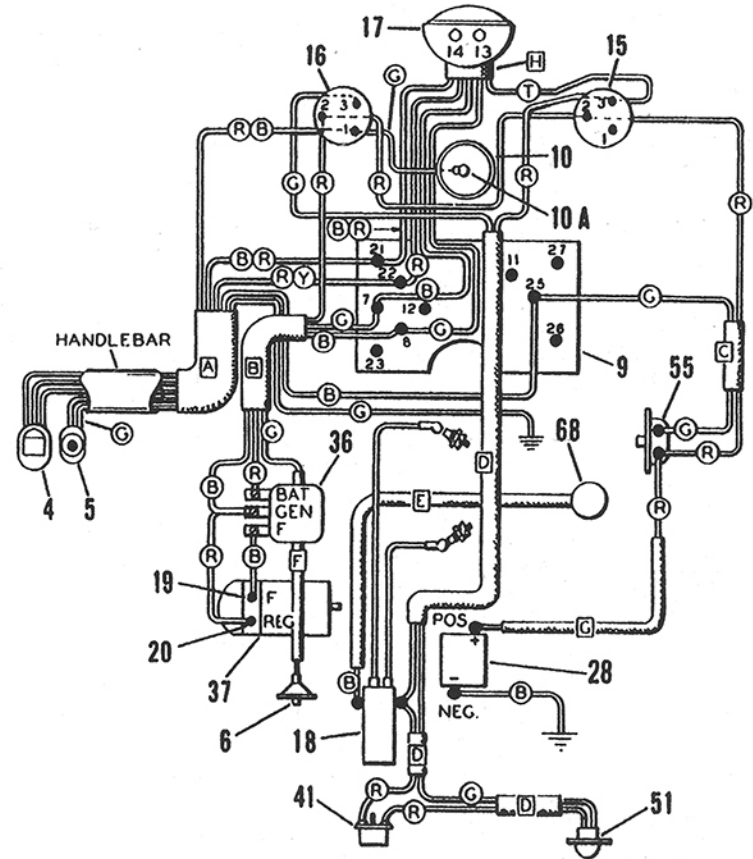


| Lamp Description | No. Bulbs Required | Candle Power or Wattage | Harley-Davidson Part No. |
|-------------------|--------------------|-------------------------|--------------------------|
| Headlamp Hi Beam | 1 | 30 Watts | 67717-48 |
| Low Beam | | 30 Watts | |
| Tail Lamp | 1 | 3 C.P. | 68165-47 |
| Stop Light | | 21 C.P. | |
| Generator Light | 1 | 2 C.P. | 68462-49 |
| Oil Light | 1 | 2 C.P. | 68462-49 |
| Speedometer Light | 1 | .25 Amp. | 71090-47 |
| Accessories | | | |
| Spot Light | 2 | 32 C.P. | 68715-49 |
| Parking Lights | - | 3 C.P. | 68165-15 |
| Fender Lights | - | 2 C.P. | 68462-49 |

3. WIRING DIAGRAM KEY (see figure 22)

- A. Handle Bar (Loose Wires) - Red wire with black tracer, black wire with red tracer, red wire with yellow tracer from headlamp switch (4) on handle bar to light switch terminal #1 and to terminal plate terminals #21 and #22 respectively. Black and green wire from horn switch (5) to terminal plate terminal #25 and to ground terminal right rear fork boot support screw respectively.
- B. Three Wire Cable - Red, black and green wire from light switch and terminal plate terminals #2, #8 and #7 respectively.
- C. Two Wire Cable (Through Loom) - Red and green wires from horn to ignition switch and terminal plate terminals #2 and #25 respectively.
- D. Two Wire Cable - Red wire from ignition switch terminal #3 to rear terminal ignition coil (18), from rear terminal ignition coil (18) to stop lamp switch (41), from stop lamp switch (41) to tail and stop lamp (51). Green wire from light switch terminal #3 to tail and stop lamp (51).
- E. Loom (One Wire) - Black wire from ignition circuit breaker (68) to front terminal of ignition coil (18).
- F. Loom (One Wire) - Green wire from cable "B" and terminal plate terminal #7 to oil signal light switch (6).



| KEY TO COLOR CODE | |
|--|-----------------------------|
| (R) RED | (R)B RED WITH BLACK TRACER |
| (G) GREEN | (R)Y RED WITH YELLOW TRACER |
| (B) BLACK | (B)R BLACK WITH RED TRACER |
| (T) TAN | |
| (Y) YELLOW | |
| Letters in identify cables and conduit housed wires. | |

Figure 22. Wiring Diagram

- G. Loom (One Wire) - Red wire from horn (55) to battery positive terminal.
- H. Loom (Five Wire) - Tan wire from ignition switch terminal #3 to headlamp. Black wire with red tracer, red, black and green wires from terminal plate terminals #21, #22, #7 and #8 respectively to headlamp.

4. Headlamp Hi and Low Beam Switch - Red wire with black tracer through "A" to light switch terminal #1. Black wire with red tracer through "A" to terminal plate terminal #21. Red wire with yellow tracer through "A" to terminal plate terminal #22.

5. Horn Switch - Black wire to terminal plate terminal #25. Green wire to ground terminal right rear fork boot support screw.

6. Oil Signal Light Switch - Green wire through loom "F" and cable "B" to terminal plate terminal #7.

7. Terminal - Green wire through cable "B" and loom "F" to oil signal light switch (6). Black wire from headlamp (17).

8. Terminal - Black wire through cable "B" to "Gen" terminal of voltage regulator (36). Green wire from headlamp (17).

9. Terminal Plate - Mounted on fork.

10. Speedometer Light - Green wire to light switch terminal #1.

11. Terminal - Terminal not used.

12. Terminal - Terminal not used.

13. Generator Signal Light

14. Oil Signal Light

15. Ignition Switch

Terminal #1 - Terminal not used.

Terminal #2 - Red wire to light switch terminal #2 red wire through cable "C" to horn (55).

Terminal #3 - Red wire through cable "D" to rear terminal ignition coil (18). Tan wire to headlamp.

16. Light Switch

Terminal #1 - Red wire with black tracer through "A" to headlamp Hi and Low beam switch (4). Green wire to speedometer light (10).

Terminal #2 - Red wire through cable "B" to "Bat" terminal of voltage regulator (36). Red wire to ignition switch terminal #2.

Terminal #3 - Green wire through cable "D" to tail light (51).

17. Headlamp - Black wire with red tracer through loom "H" to terminal plate terminal #21. Red wire through loom "H" to terminal plate terminal #22. Black wire through loom "H" to terminal plate terminal #7. Green wire through loom "H" to

terminal plate terminal #8. Tan wire through loom "H" to ignition switch terminal #3.

18. Ignition Coil - Red wire through cable "D" to ignition switch terminal #3. Red wire through cable "D" to stop light switch (41). Black wire through loom "E" to circuit breaker (68).

19. Generator "F" Terminal - Black wire to "F" terminal of voltage regulator (36).

20. Generator "Reg" Terminal - Red wire to "Gen" terminal of voltage regulator (36).

21. Terminal - Black wire with red tracer through "A" to headlamp Hi and Low beam switch (4). Black wire with red tracer through loom "H" to headlamp (17).

22. Terminal - Red wire with yellow tracer through "A" to headlamp Hi and Low beam switch (4). Red wire through loom "H" to headlamp (17).

23. Terminal - Terminal not used.

25. Terminal - Black wire through "A" to horn switch (5). Green wire through cable "C" to horn (55) upper terminal.

26. Terminal - Terminal not used.

27. Terminal - Terminal not used.

28. Battery - Red wire from positive terminal through loom "G" to horn (55). Black wire from negative terminal to ground terminal on frame.

36. Voltage Regulator - Red wire from "Bat" terminal through cable "B" to light switch terminal #2. Black wire from "Gen" terminal through cable "B" to terminal plate terminal #8. Red wire from "Gen" terminal to generator "Reg" terminal #20. Black wire from "F" terminal to generator "F" terminal #19.

37. Generator

41. Stop Light Switch - Red wire through cable "D" to rear ignition coil terminal. Red wire through cable "D" to tail and stop lamp (51).

51. Tail and Stop Lamp - Red wire from right side of connector plug through cable "D" to stop lamp switch (41). Green wire from left side of connector plug through cable "D" to light switch terminal #3.

55. Horn - Green wire from upper terminal through cable "C" to terminal plate terminal #25. Red wire from lower terminal through cable "C" to ignition switch terminal #2. Red wire from lower terminal through loom "G" to positive terminal of battery (28).

68. Ignition Circuit Breaker - Black wire through loom "E" to front terminal of ignition coil (18).