



# Engineering Data and Wiring Diagrams on Bargman Electrical Equipment for 6-8 volt and \*12 volt systems



Diagrams C-1 and C-2 illustrate wiring of Trail-Lite No. 2 (#702)

\*Many passenger cars today are equipped with 12 volt batteries and 12 volt wiring systems, which require 12 volt lamps in the lighting fixtures. All Bargman 6-8 volt fixtures may be converted to 12 volt merely by changing the 6-8 volt Tung-Sol lamps, which are furnished as standard, to 12 volt lamps of corresponding candlepower. (Numbers of corresponding 12 volt lamps are shown on price list.)

Bargman No. 56 6-way and No. 57 7-way Electrical Connectors may be used with either 6 - 8 or 12 volt wiring systems.

At the present time also, two different wiring systems are being used by automobile manufacturers to wire their automobiles for directional signals. One system utilizes only one circuit for stop and directional light. In this system the stop light is interrupted and flashes to indicate a turn. In the other system a separate circuit is used for the stop light and a separate circuit for the directional signal.

To assist you in connecting Bargman Stop, Tail and Directional Signal fixtures properly from the mobile home to these different wiring systems in the tow car, the following diagrams have been prepared.

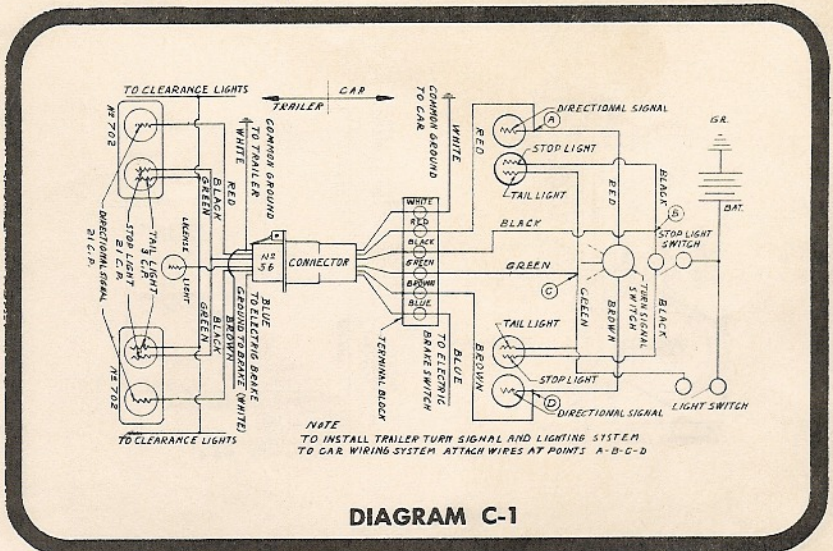


DIAGRAM C-1

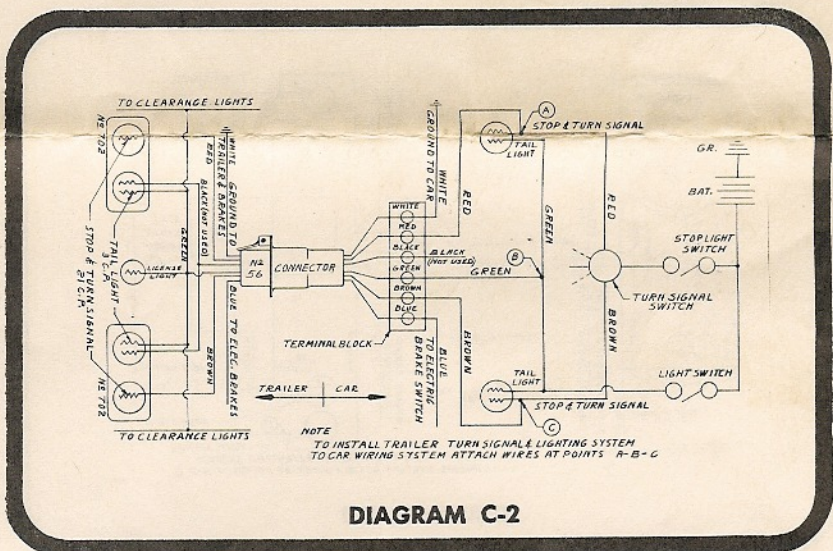


DIAGRAM C-2

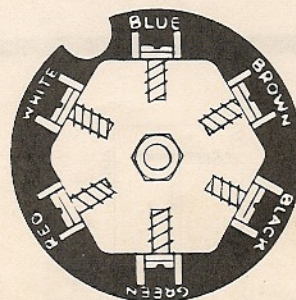
\*\*Class B Directional Signal, Stop and Tail-Light. Trail-Lite No. 2 uses one #1158 3-21 candlepower 6-8 volt lamp for stop and tail light, and one #1129 single filament 21 candlepower 6-8 volt lamp for flashing turn signal, or corresponding 12 volt lamps.

When wiring to tow car which utilizes separate circuit for stop, tail and directional light, use Wiring Diagram C-1.

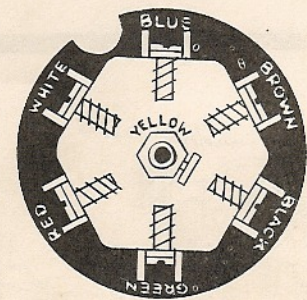
When wiring to tow car equipped with wiring system which interrupts the stop light for flashing turn signal, use Wiring Diagram C-2.

Trail-Lite No. 1 (#701) \*\*Class B Directional Signal Stop and Tail Light is the same design as the Trail-Lite No. 2 except that it utilizes only one 1158 double filament 3-21 candlepower lamp for stop tail and directional signal service, or corresponding 12 volt lamp. May be used only with wiring system which interrupts the stop light for flashing turn signal. See Diagram A on opposite side of page.

\*\*See note on opposite side regarding Class A and Class B Directional Signals.



No. 56 6-way color-coded electrical connector.



No. 57 7-way color-coded electrical connector.

\*NOTE: In addition to directional signals the diagrams demonstrate wiring of all Bargman 6-8-12 volt fixtures through the No. 56 6-way color-coded electrical connector. When using the No. 57 7-way connector all wiring is the same except the grounding. In the No. 57 the white wire, which is connected to the center terminal, is the common ground. (See color-code diagrams.)

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# Wiring Diagrams for Trail-Lites No. 6, 7, 8, and 9

## Class A Type I Directional Signals - Stop and Tail Lights.



*It's the Law!*

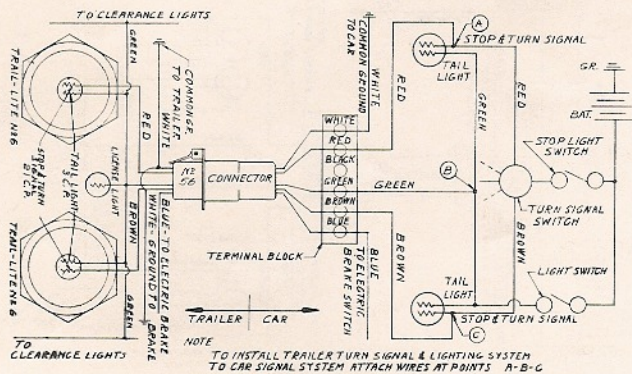


DIAGRAM A

Trail-Lite No. 6, designed for surface mounting, and Trail-Lite No. 8, designed for flush mounting, utilize one #1158 6-8 volt double filament 3-21 candlepower lamp for stop; tail and directional signal service (3 C. P. for tail light, 21 C. P. for stop and turn signal), or corresponding 12 volt lamp. These fixtures may be wired only to wiring system which interrupts the stop light for flashing directional signal, as shown in Diagram A.

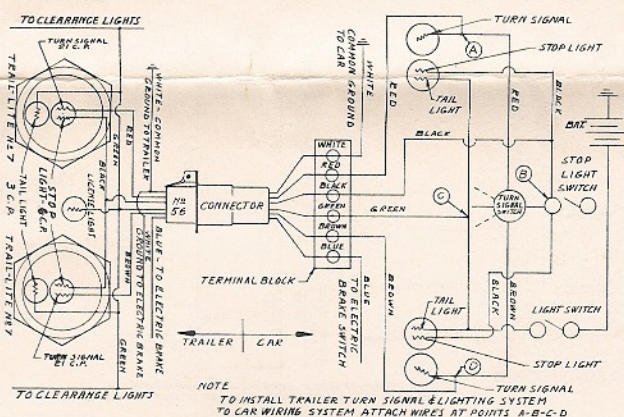


DIAGRAM B-1

Trail-Lite No. 7, same exterior design as No. 6, and Trail-Lite No. 9, same exterior design as No. 7, utilize two lamps and may be connected to any wiring system in the tow car. The #1170 6-8 volt (or corresponding 12 volt) double filament 6-21 candlepower lamp is used for the stop and turn signal (6 C. P. for stop light, 21 C. P. for turn signal), and the #63 6-8 volt (or corresponding 12 volt) single filament 3 candlepower lamp is used for the tail light.

When connecting to tow car which uses a separate circuit for stop light and directional signal use Wiring Diagram B-1.

When connecting to tow car with wiring system which interrupts the stop light for flashing directional signal, use Wiring Diagram B-2.

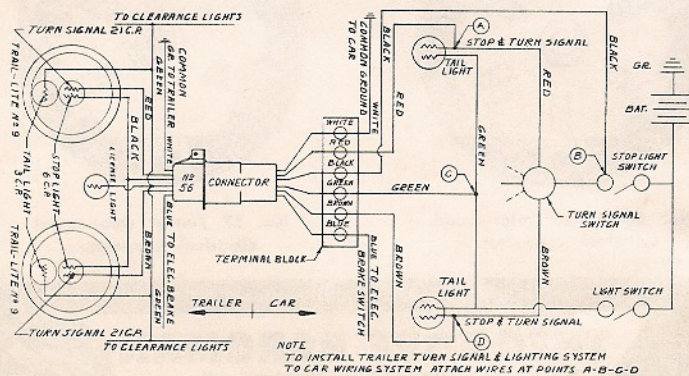


DIAGRAM B-2

**\*\*Society of Automotive Engineers' Recommended Practice:** This recommended practice is adopted by many State Highway Authorities today in connection with directional signals on mobile homes: "Turn signal units are divided into two groups, Class A and Class B. Class A two-signal units may be used on any vehicle. Class B turn-signal units may be used on any passenger car; and on any other vehicle where the distance from the center of the steering wheel to the extreme left side of the vehicle is less than 24 inches, and where the distance from the center of the steering wheel to the extreme rear end of the vehicle or combination of vehicles is less than 14 feet, except that Class B units will not be used on truck tractors, house trailers, semi-trailers and trailers with four or more wheels.