

PLUG-IN THROTTLE (SHEET 1)
 PLUG-IN PARTS LIST
 Part No.
 10-40

South Bank Short Lines Assoc Data Sheet	
P L U G - I N T H R O T T L E (R H E O S T A T)	
Issue	Sheet
Date: Apr 1965	No: E03:01

Compiled by: J. L. Calvert

GENERAL

These sheets should be studied in conjunction with SBSL Assoc Data Sheets E01:01 and E01:02.

COMPONENTS

The following components, in one form or the other, should comprise the rheostat throttle:

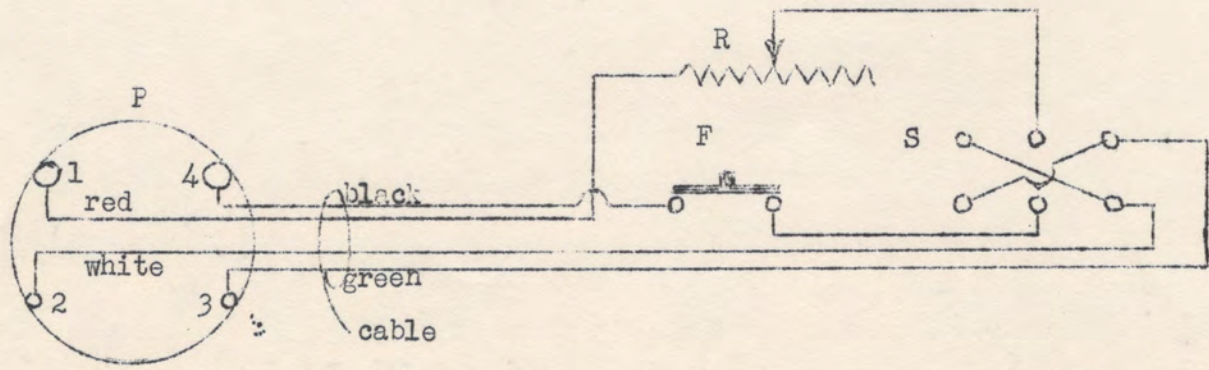
- Container - metal, wood or masonite box or plate.
- Rheostat - linear wound, approx 40 ohms, 1.5 amps (HO) with OFF position.
- Fuse or Circuit Breaker - standard or slow-blow replaceable fuse or thermal or magnetic circuit breaker, 1.5 amp rating (HO).
- Direction Switch - DPDT toggle switch, with or without a center OFF position.
- Knob - large pointer or skirted type, with index line.
- Cable - four-conductor, stranded, 18 gauge minimum.
- Plug - four-pin plug and cap, with end or side hole, and grommet or cable clamp.

CIRCUIT

To ensure standardization, and inter-mixing of rheostat and transistor throttles, the connections to pins 1 and 4 should be followed as drawn.

The connections to pins 2 and 3 may have to be interchanged. The green and white wires should be connected to pins 2 and 3, by trial, so that the direction switch (S) points in the direction that the locomotive will move under power. (Some locomotives may require their motor leads reversed to maintain this relationship).

Pin position on the plug is viewed from the back.



EO3:02 - PLUG-IN THROTTLE (RHEOSTAT) - Continued

RECOMMENDED PARTS LIST

<u>REF</u>	<u>Part No</u>	<u>Description</u>	<u>Qty</u>
R	MT-40	OHMITE rheostat, 40 ohm, 1.5 amp	1
S	DPTS	ARMACO DPDT toggle switch	1
F	CT 15	HAMMANT & MORGAN magnetic circuit breaker 1.5 amp	1
P	86-PM4	AMPHENOL cable connector, 4 pin, with rubber grommet	1
---	1411 N	HAMMOND "Handy" Case 5 1/2" x 3" x 2 1/8"	1
---	8465	BELDEN Cable, stranded, 18 ga	6 ft
---	47 B	ARMACO skirted knob, with index line 1 1/2 " diameter	1
---	113	WALSCO rubber grommet, 1/4" ID	1

All the above parts are available through any electronics outlet, except the circuit breaker. Equivalent parts with the same electrical characteristics may be used -- Japanese parts are usually cheaper.

Some items may be available in your hobby shop -- check there first.

The only know local source for the Hammant and Morgan circuit breaker is THE ROUNDHOUSE, Edmonton.

Pin position on the plug is viewed from the back.

