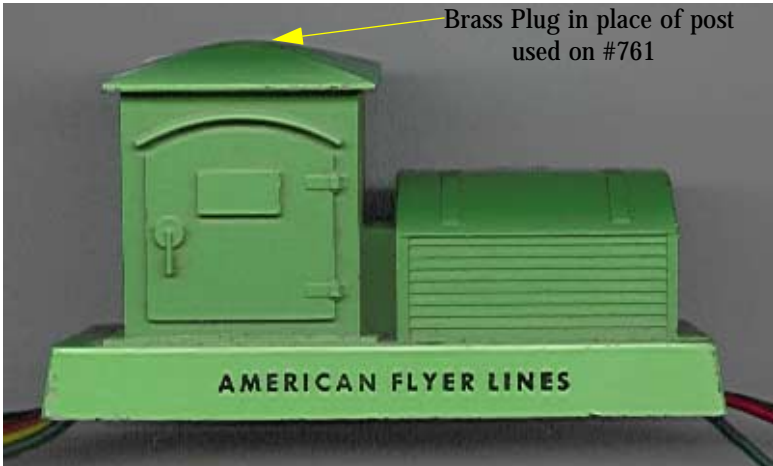
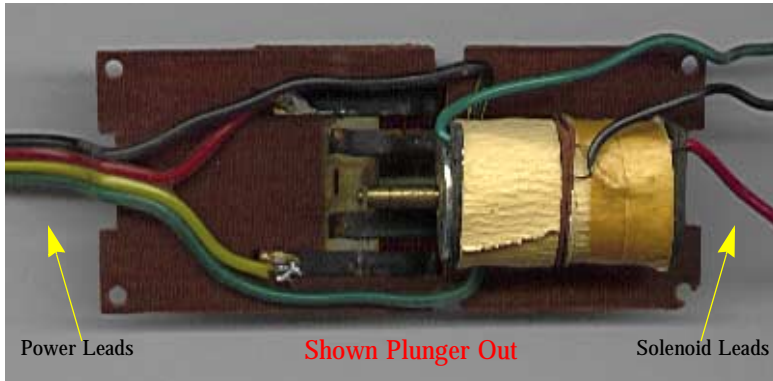


The #695 Reverse Loop Relay

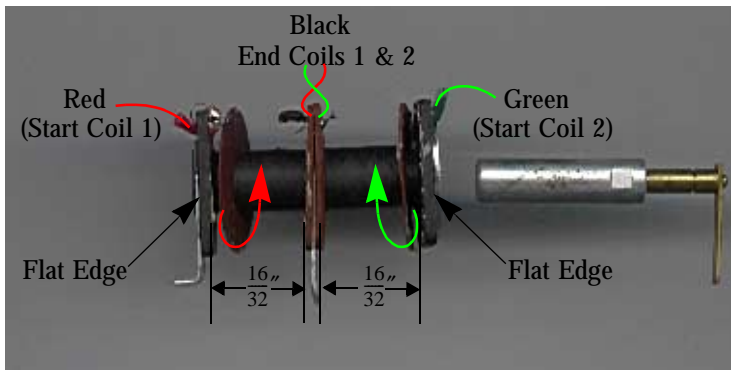


3-3-54 XA-13C158 #695 Reverse Loop Relay (Rev 11-30-54)			
Line	Part No.	Part Name	PCS Unit
1	XA-13B159	Coil Assembly	1
2	PA-3674-A	Solenoid Tube	1
3	PA-10957-A	Coil Support	2
4	PA-11085	Sleeve	2
5	P-10A874-32	Coil Wire	1
6	PA-10261-N	Red Lead Wire	7"
7	PA-10249-Q	Black Lead Wire	7-1/2"
8	PA-10260-E	Green Lead Wire	8"
9	PA-10040	Solenoid Washer	2
10	PA-10040-A	Solenoid Washer	2
11	W-115	Steel Washer	1
12	W-139	Insulating Washer	2
13	P-7037	1/2" Electrical Tape (2 pcs. 3" lg.)	6"
14	P-7042	1/4" Electrical Tape (1pc. 3" lg.)	3"

The #695 Reverse Loop Relay Coil (XA13B159)



<i>Specifications</i>	
<i>Wire Size:</i>	32 (0.0075)
<i># of Turns:</i>	1190
<i>Style:</i>	Random
<i># of Layers:</i>	Indeterminate
<i>Resistance :</i>	26.1 - 26.3



Troubleshooting Notes

The #695 does not have to be disassembled in any way to perform initial (electrical) troubleshooting. The following paragraphs describe how each of its functions can be tested externally at the leads.

Solenoid Trouble Shooting

The red, black and green leads can be used to check the electrical condition of the solenoid coil. With a multimeter set to measure resistance, attach one lead to the *Black* wire, and take the following pair of measurements. The readings should approximate (within 0.2Ω) the values documented in the *Specifications* table above.

<i>Black & Red</i>
<i>Black & Green</i>

Power Switch Leads

There is a little cutout on the underside of the fiber base-plate, which allows you to reach in and slide the contact assembly in and out of the coil housing. You should read 0.0Ω when the following pairs of measurements are taken. If you get a reading other than 0.0Ω , either the contacts are dirty or burned and must be cleaned, or the solder joints have degraded and must be refreshed. If you get no reading at all, the contacts are defective and will have to be adjusted or replaced. The following table documents the pairs of readings to be taken, given the position of the plunger.

<i>Slider/Plunger In:</i>	<i>Yellow-Red</i>
<i>Slider/Plunger Out:</i>	<i>Green-Black</i>

You should get no reading at all (∞) for any other combination of leads.

