

From the Frame Up

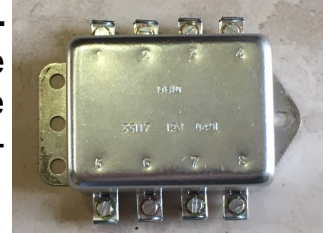


Tech Tips:



PRODUCT ALERT EL918 Turn Signal Relay - 8 Post

The following highlights a potential electrical shorting problem that is difficult to locate. This was discovered during the install of a new wire harness and all new subcomponents. The symptom was turn signals not working due to blown fuse and obvious short in the system.



Problem: The short was located at the 8 Post Relay.

Background: In order for the 8 Post Relay to work, it must be grounded. This is accomplished by fastening the box direct to body sheet metal which provides the ground. The metal cover itself is grounded due to it being fastened to the box base plate. Of the 8 posts, 6 are insulated for the circuitry to work. (terminal #1,2,3,5,6, & 7)



Discovery: There is a very close tolerance between the 6 insulated posts and the box cover. 3 of the 6 posts were found to be in contact with the box cover **after** the flag connectors were installed onto the box. If you look directly down on the box you can see the closeness of the terminals to the box cover.

Testing: To test, after your wiring is connected, simply check for the lack of continuity between terminal and box base with an ohm meter. This should be an open circuit.



Correction: If there is a problem, you should be able to bend the terminal away from the box cover to give clearance. Or modify your flag connector.

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