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WIRING RETROFIT (E-12S)

Purpose: To rewire control panel circuitry to prevent failure of reverse relay.

Step 1. Locate connector P-3/J-3 in lower control panel. It is a 12 pin plug connecting control panel harness with undercarriage harness located near the steering gear sector. Unplug connector. On male side of connector (P-3), remove pin #3 (wire #23); replace with double wire male pin, part of new wire 23-00-23 provided. Reconnect P-3/J-3.

Note: Pins are secured in housing with a spring bar on the pin body. This bar must be depressed toward the pin body to allow removal from the rear of the connector.

Step 2. Locate connector J-1/P-1 in upper control panel. It is a 12 pin plug connecting control panel harness with dash harness. Unplug connector. On female side, remove pin #8 (wire #23). Replace with single wire female pin, part of new wire 23-00-23 provided. Reconnect J-1/P-1.

Step 3. Locate connector P-2/J-2 in lower control panel. It is a 15 pin plug connecting control panel harness with throttle harness. Unplug connector. On male side, remove commoning bar (little metal tab connecting pin 11 and 12) and pin 11 (blank pin with no wire). Replace with single wire male pin, part of new wire 23-00-23 provided. Reconnect P-2/J-2. Remove unconnected wires from control panel harness. Secure new wires to existing wire harness with cable ties provided. Make sure wires are clear of moving parts.



PERFORMANCE TEST

After installation of wire #23 is made, perform the following test:

Unbolt upper control panel and lower to observe reverse relay. Place throttle lever to left side neutral position so that reverse relay energizes (key switch on, sitting on seat, foot off brake). Slowly step on brake pedal to its maximum forward position. Reverse relay should not de-energize. If relay de-energizes, recheck modification.