



Installation Instructions

Electrical Power Relay Kits

6006262 – 12 to 24V

6006263 – 36 to 60V

6006264 – 72 to 80V

6006265 – 96V

This Sheet contains a general description and installation and application information for Cascade Electrical Power Relay Kits.

General Description and Use

It is good practice to operate or power electrical accessories used in lift truck applications by using a relay in the electrical circuit. The relay improves circuit protection from electrical problems and hazards. The relay uses a low current source (i.e. truck ignition circuit) to control the high current needs of the accessory, which can be supplied directly from a high current source (i.e. battery, converter or alternator). A circuit which incorporates a relay is energized when the key is on and deenergized when the key is off.

It is also good practice to protect the entire electrical system from arcing by incorporating a diode into the accessory circuit. The Cascade Relay Kit includes a diode.

The Relay Kit incorporates a solid state relay (no moving parts), a system-protecting diode, and wiring connector plugs to ease installation.

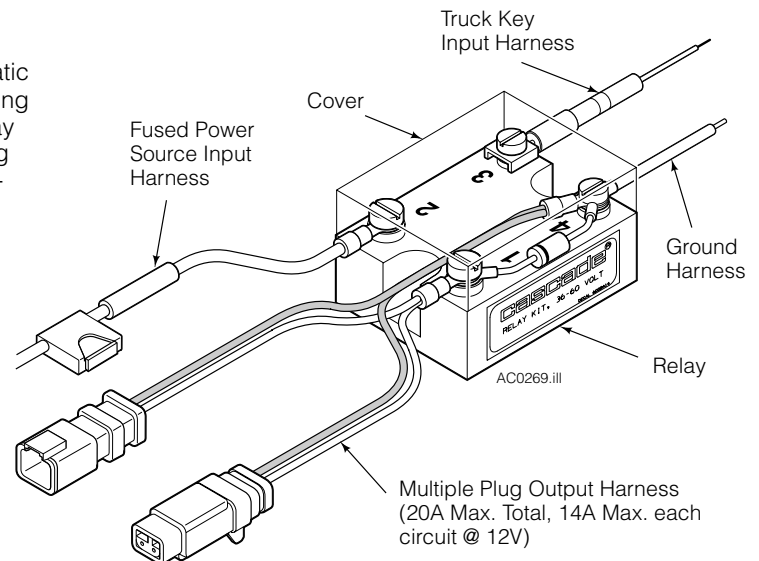
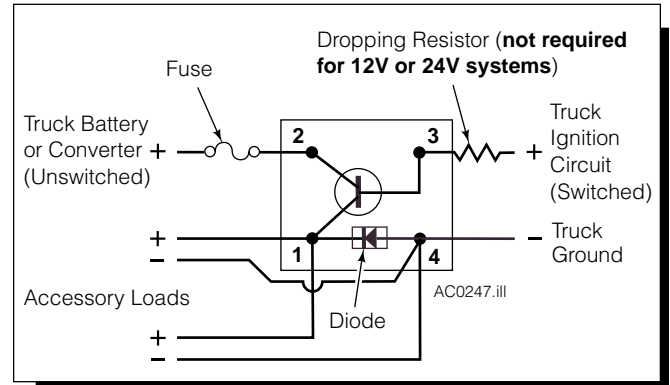
Installation

- 1 Determine a suitable mounting location for the relay where it will be accessible for wiring connections and testing. Mount the unit using sheet metal screws to a metal surface for maximum heat dissipation.
- 2 Connect the wiring to conform to the electrical schematic shown in the illustration opposite. If the accessory wiring is not equipped with a connector that mates to the relay wiring connector plugs, cut the connector off the wiring harness and splice the wires to the appropriate accessory wiring.
CAUTION: On electric trucks, make sure that the unswitched power source, including ground, comes from the truck's DC-to-DC converter.
Do not use the truck chassis as ground.
- 3 Test the electrical circuit to assure correct accessory or attachment operation before operating the truck.

Applications

The Electrical Power Relay should be used in any circuit that powers accessory equipment on the truck or attachment. Recommended Cascade applications include:

- Adaptive Force Control (AFC)
- Electronic Rotational Control (ERC)
- Tilt Control
- Light Bar Kits



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Part No. 6006270-R2

