



A DIVISION OF DOUGLAS DYNAMICS, L.L.C.

Western Products  
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## 56131K-2 MOTOR RELAY KIT

### Installation Instructions

**NOTE:** Overtightening terminal attaching nuts may cause seal failure, resulting in premature failure of this relay.

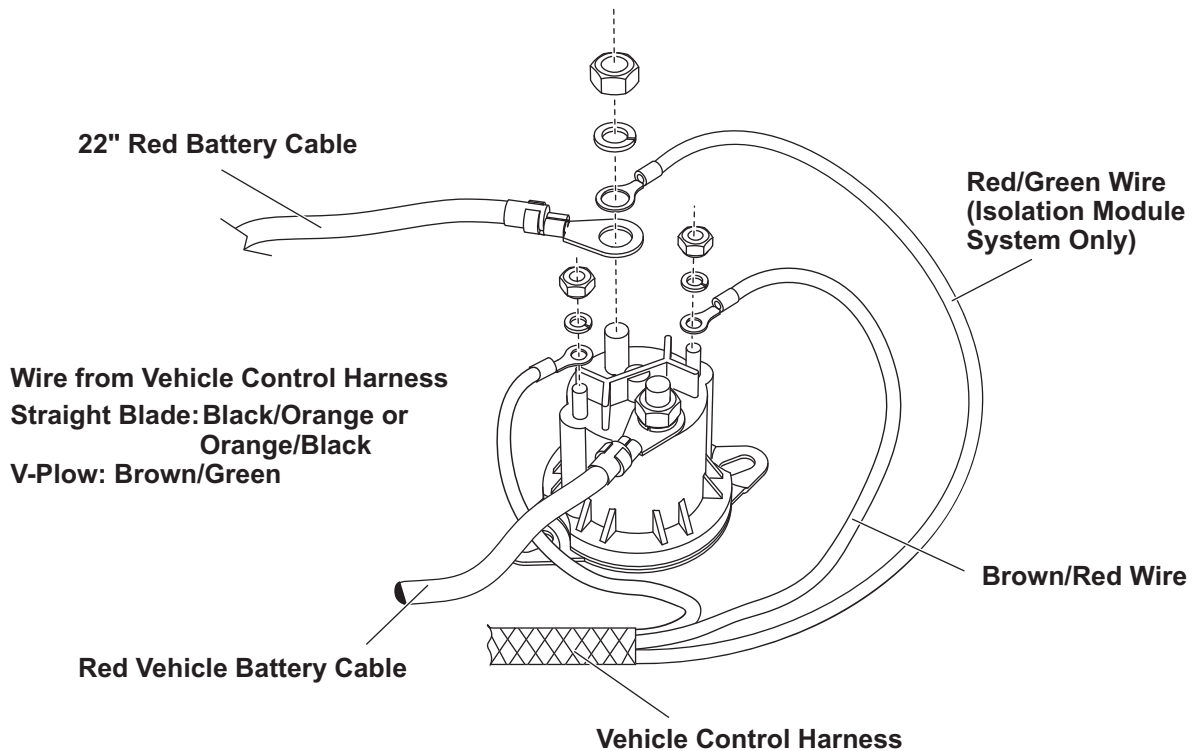
**NOTE:** When using the 56131K-2 Motor Relay Kit for solenoid control hydraulic power units, **DO NOT** attach the jumper wire. Attaching the jumper wire will damage the vehicle wiring harness.

Torques
Small Terminals – Maximum <b>15 in-lb.</b>
Large Terminals – Maximum <b>35 in-lb.</b>

**NOTE:** Position motor relay terminals up, horizontal or in between.

### For Solenoid Hydraulic Units:

#### Non-FLEET FLEX Electrical System – Straight Blade and MVP® Snowplows



# 42902 MOTOR RELAY KIT

## Torques

Small Terminals – Maximum **15 in-lb.**

Large Terminals – Maximum **35 in-lb.**

**NOTE:** Overtightening terminal attaching nuts may cause seal failure, resulting in premature failure of this relay.

**NOTE:** Position motor relay terminals up, horizontal or in between.

## For Cable-Operated Hydraulic Units:

Attach red jumper wire 5/16" ring terminal and cable from positive battery post to a large terminal using a 5/16-24 hex nut and lock washer.

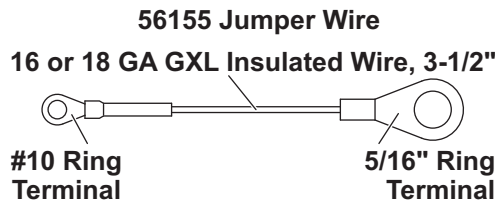
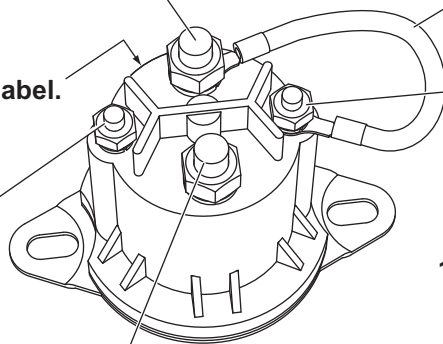
56155 Jumper Wire (Use existing or purchase separately.)

Attach battery (BAT) label.

Attach the red jumper wire #10 ring terminal to a small terminal using a #10-32 hex nut and lock washer.

Attach black wire from plow control to open small terminal.

Attach cable from motor to an open large terminal.



## For ICE BREAKER™ Spreaders (Operates as a Starter Relay):

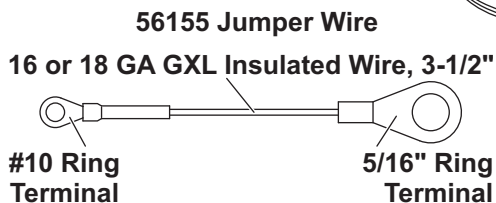
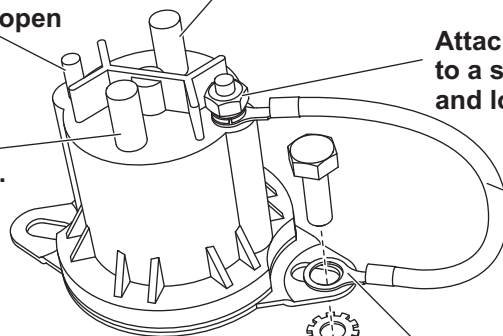
Attach white control harness wire to open small terminal.

Attach cable from battery positive post to a large terminal using a 5/16-24 hex nut and lock washer.

Attach cable from engine starter motor to open large terminal.

Attach red jumper wire #10 ring terminal to a small terminal using a #10-32 hex nut and lock washer.

56155 Jumper Wire (Use existing or purchase separately.)



Attach red jumper wire 5/16" ring terminal to mounting plate using the 1/4" mounting hardware. *This must establish a good ground connection.*

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