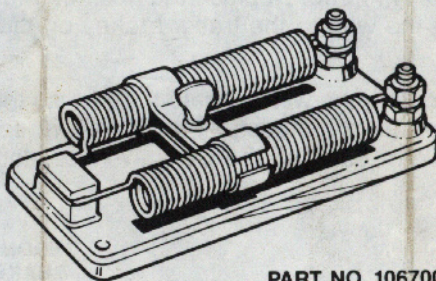




# SELECTIVE RESISTOR

## INSTALLATION AND OPERATING INSTRUCTIONS



PART NO. 106700

Figure 1 — Kelsey-Hayes Selective Resistor

The Kelsey-Hayes four ohm selective Resistor is designed to obtain brake balance between electric trailer brakes and tow vehicle brakes. Many trailers have braking capacity that exceeds the trailer's requirements, and a Selective Resistor is required to obtain brake balance.

RECOMMENDED FOR 2, 4 AND 6 BRAKE SYSTEMS.

### WARNING

**THE SELECTIVE RESISTOR WILL NOT INCREASE BRAKING CAPABILITY. DO NOT USE A SELECTIVE RESISTOR IF THE TRAILER BRAKES ARE INSUFFICIENT.**

### WARNING

**DO NOT USE MORE THAN ONE SELECTIVE RESISTOR PER VEHICLE TO OBTAIN BRAKE BALANCE. USE OF MORE THAN ONE SELECTIVE RESISTOR COULD REDUCE OR RESULT IN A LOSS OF THE TRAILER'S BRAKING CAPABILITY.**

### INSTALLATION INSTRUCTIONS

1. PLACE THE INSULATING WASHERS SUPPLIED IN THE TERMINAL BOLT HEAD HOLES ON THE BOTTOM SIDE OF THE SELECTIVE RESISTOR BASE.
2. Before mounting the Selective Resistor, locate a flat surface inside the engine compartment that will provide sufficient protection, clearance and cooling. Place the Selective Resistor in desired location and mark location for two mounting screws. Drill two 1/8" holes and mount the resistor with screws supplied.



## WIRING INSTRUCTIONS

1. Remove the top hex nut from either of the two terminals and connect the brake wire from the controller to the terminal using the fold over lug supplied. The fold over lug should slide over the terminal and down on top of the Selective Resistor wire end. Replace the hex nut and tighten. In the same manner, connect the wire to the trailer brakes on the other terminal (Figure 2).
2. Use care when routing the wire. Locate the wire so that it is away from hot engine parts and sharp surfaces. A shorted wire could make the trailer brakes inoperative or damage the Selective Resistor or controller.

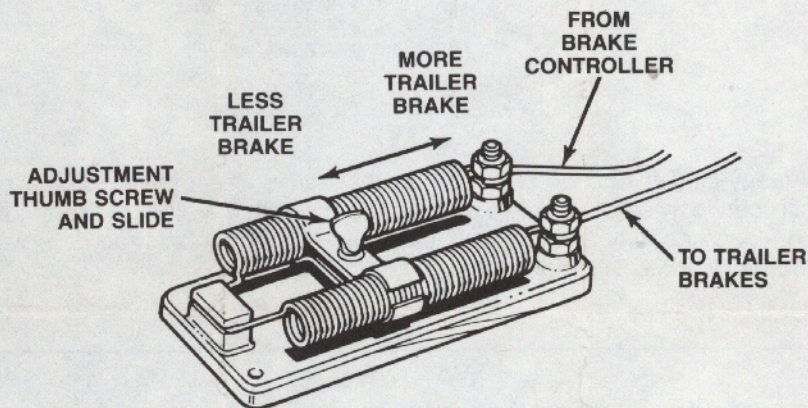


Figure 2 — Wiring and Slide Operation

## OPERATION INSTRUCTIONS

1. Loosen the thumb screw on the clamp and move the slide to the center of the resistor wires for a starting point. Tighten the thumb screw (Figure 2).
2. Check the initial brake application with brake controller fully applied. If the setting is correct, the brake controller's full "on" position will provide firm braking action just short of skidding on dry pavement. Because of variations encountered in individual trailers, road conditions, etc., it may be necessary to increase or decrease the braking power. To increase braking power, move slide toward wire terminal end. To decrease braking, move the slide in opposite direction (Figure 2).