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# 30105

## HALOGEN BRAKE LIGHT RELAY KIT INSTALLATION INSTRUCTIONS

THE BRAKE LIGHT RELAY IS DESIGNED TO PREVENT THE HIGH AMPERAGE DRAW OF HALOGEN BRAKE LIGHTS FROM BURNING OUT THE CONTACTS OF A FACTORY STYLE BRAKE LIGHT SWITCH.

FACTORY BRAKE SWITCHES ARE GENERALLY RATED AT 10 AMPS AND SOME HALOGEN LIGHTS WILL DRAW IN EXCESS OF 20 AMPS, THUS CAUSING THE SWITCH TO HAVE A SHORT LIFE EXPECTANCY.

THE RELAY, WHICH REQUIRES LESS THAN 1 AMP TO ACTIVATE, IS ACTIVATED BY THE SWITCH AND PASSES THE HIGH AMPERAGE TO THE BRAKE LIGHTS SAFELY.

1. MOUNT RELAY BASE IN A DRY AREA CLOSE TO THE BRAKE LIGHT SWITCH USING THE SCREW PROVIDED. AFTER MOUNTING, PLUG THE RELAY INTO THE BASE.

**NOTE: WHEN MOUNTING THE RELAY BASE BE SURE TO ATTACH THE RING TERMINAL, ON THE SHORT BLACK WIRE, ONTO THE MOUNTING SCREW. THIS WIRE MUST MAKE A GOOD GROUND.**

2. LOCATE THE POWER WIRE FOR THE BRAKE SWITCH (FROM THE FUSE BLOCK) AND CRIMP TO THE 6" ORANGE RELAY WIRE.
3. REMOVE THE EXISTING OUTPUT WIRE ON THE BRAKE SWITCH AND STOW. ATTACH THE TWO 36" ORANGE WIRES TO THE BRAKE SWITCH.
4. ROUTE AND ATTACH THE LARGE WHITE WIRE TO THE TURN SIGNAL SWITCH CONNECTOR AT THE BRAKE LIGHT INPUT POSITION ("P" IN GM FLAT CONNECTOR) WITH TERMINAL PROVIDED, OR RUN DIRECTLY TO THE BRAKE LIGHTS AT THE REAR OF THE VEHICLE.

**NOTE: THIS WIRE MAY BE SPLICED TO THE OUTPUT WIRE REMOVED FROM THE BRAKE SWITCH RATHER THAN ROUTED AS DESCRIBED ABOVE.**

5. WHEN BRAKE PEDAL IS DEPRESSED THE BRAKE SWITCH WILL ACTIVATE THE RELAY TURNING ON THE BRAKE LIGHTS.

## **Painless Performance Limited Warranty and Return Policy**

Chassis harnesses and fuel injection harnesses are covered under a lifetime warranty. All other products manufactured and/or sold by Painless Performance are warranted to the original purchaser to be free from defects in material and workmanship under normal use. Painless Performance will repair or replace defective products without charge during the first 12 months from the purchase date. No products will be considered for warranty without a copy of the purchase receipt showing the sellers name, address and date of purchase. You must return the product to the dealer you purchased it from to initiate warranty procedures .