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# 50105

## HIGH AMP ALTERNATOR SHUTDOWN RELAY INSTALLATION INSTRUCTIONS

FOR SYSTEMS WITH THE MASTER DISCONNECT SWITCH INSTALLED IN THE POSITIVE BATTERY CABLE.

THIS IS A WATERPROOF AND VIBRATION RESISTANT RELAY FOR PREVENTING THE CHARGING SYSTEM FROM BACK FEEDING CURRENT TO THE IGNITION SYSTEM. THIS RELAY PREVENTS THE ENGINE FROM RUNNING AFTER THE MASTER KILL SWITCH IS IN THE OFF POSITION.

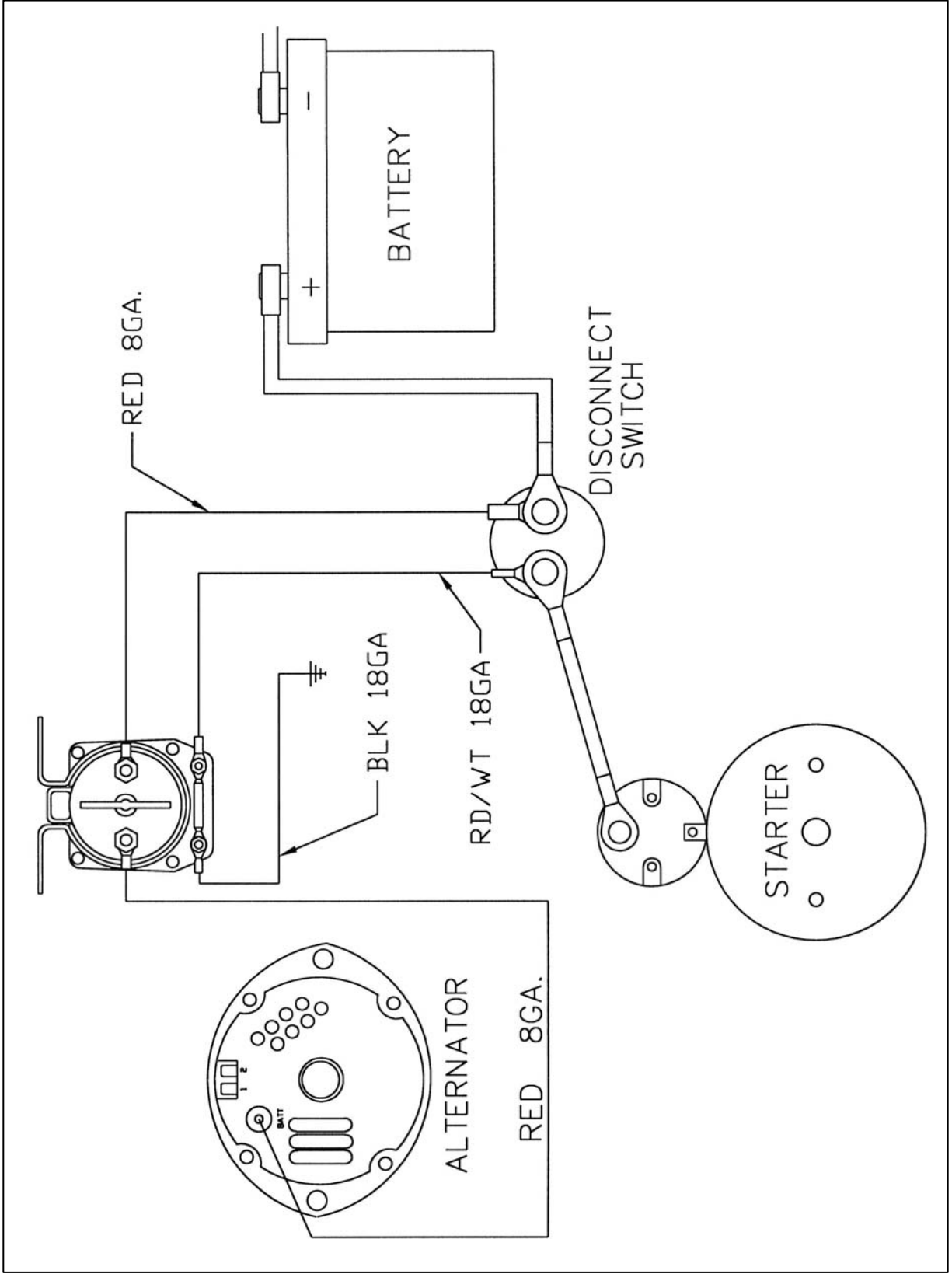
1. MOUNT RELAY ASSEMBLY IN DESIRED LOCATION USING MOUNTING TABS. ATTACH THE BLACK GROUND WIRE WITH ONE OF THE MOUNTING BOLTS.

**IMPORTANT:** THE BLACK GROUND WIRE MUST MAKE A GOOD GROUND OR THE SHUTDOWN RELAY WILL NOT OPERATE PROPERLY.

**NOTE:** LOCATING RELAY FORWARD OF OR NEAR THE FRONT OF THE ENGINE WILL HELP REDUCE VIBRATION TO THE RELAY.

2. REMOVE AND DISCARD EXISTING OUTPUT WIRE FROM ALTERNATOR TO BATTERY.
3. RUN AND ATTACH (CUTTING OFF ANY EXCESS WIRE) ONE OF THE LARGE RED WIRES TO THE BATTERY SIDE OF THE DISCONNECT SWITCH USING THE RING TERMINAL PROVIDED.
4. RUN AND ATTACH (CUTTING OFF ANY EXCESS WIRE) THE OTHER LARGE RED WIRE TO THE OUTPUT POST ON THE BACK OF THE ALTERNATOR USING THE TERMINAL PROVIDED.
5. RUN AND ATTACH (CUTTING OFF ANY EXCESS WIRE) THE SMALL RED/WHITE WIRE TO THE STARTER CABLE SIDE OF THE MASTER DISCONNECT SWITCH WITH THE TERMINAL PROVIDED.





## **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.