Application: Any Standard 12-Volt Automotive System

Hard Start 12 Volt Relay Kit

SKILL LEVEL 2

Tools Needed

METRIC   METRIC   1/8"

STEP 1.
Refer to the enclosed wiring diagram, and plug configuration drawing to become familiar with wire and terminal locations before starting.

STEP 2.
Disconnect negative battery cable from battery.

STEP 3.
Select a location close to the starter to mount the relay. The relay should be mounted in an area with the terminals facing downward to prevent the entry of water or dirt into the relay. Drill a 1/8" hole where the relay is to be installed, and mount the relay with a sheet metal screw.

STEP 4.
Disconnect the ignition/starter switch wire (usually a red wire with a black stripe) from the start connector of the starter solenoid (connector is marked as #50 on solenoid cover), and attached it to the blue wire of the relay (terminal #85).

STEP 5.
Attach the black wire of the relay (terminal #87) to the start connector of the starter solenoid.

STEP 6.
Disconnect the battery cable from the starter solenoid terminal and attach the large red wire of the relay (terminal #30) to the starter solenoid terminal. Now re-attach the battery cable to the starter solenoid terminal.

STEP 7.
Attach the yellow wire from the relay (terminal #86) to a solid non-corroded ground connection.

STEP 8.
Tape all exposed connections. Use wire ties to secure the relay wires and route them away from potential damage areas such as exhaust manifolds, sharp corners or moving parts.
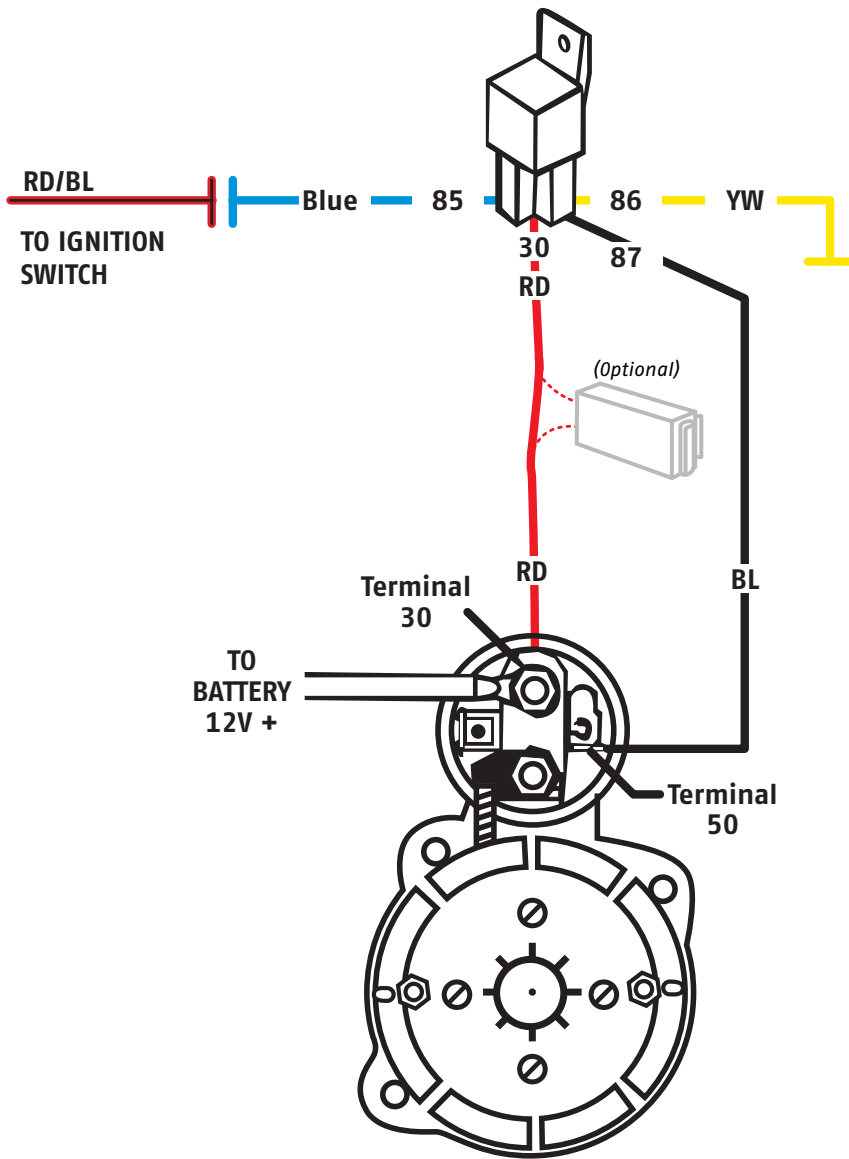
STEP 9.
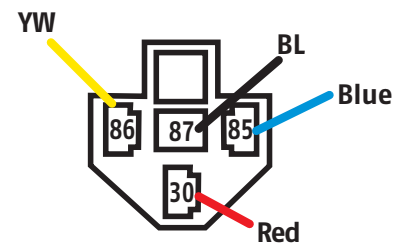Reconnect negative battery cable to battery.

Installation is now complete.

Hard Start Relay Kit
Installation Instructions (cont.)

RD/BL

TO IGNITION SWITCH

Blue — **85**

86 — **YW**

30
RD

87

(Optional)

RD

BL

Terminal 30

TO BATTERY 12V +

Terminal 50

Side View of Starter

YW

BL

Blue

86 **87** **85**

30

Red

Terminal/Wire Color Locator

Blue = Blue
BL = Black
RD = Red
YW = Yellow
RD/BL = Red w/Black stripe