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Installing the Hotronics MBD-150, Quik Flip Master Battery Disconnect.

The Hotronics MBD-150 is a latching type relay solenoid and only requires current to turn ON or OFF. Once the battery disconnects, latch is moved one way or the other, the MBD-150 needs NO power to keep the latch in place, once latched, it never draws power, even engaged. (It can never run the battery down.)

The MBD-150 is rated at over 100 continuous amps and easily handles a 600-amp surge for 30 seconds during cranking modes. A bad starter won't turn over at about 400 amps or so. Making the MBD-150 well suited for the high in-rush current demands of high torque starters and high compression engines. With lot's of margin to spare!

MBD-150 does NOT make bad starters better! Just is built tougher than needed.

The MBD-150 does not replace the starter solenoid or do the starting. So if you have a Ford or use a Ford type solenoid for starting now, save it, you'll still need it to do the starting. The MBD-150 would install between it and the battery for that application.

Placement of the MBD-150 is, anywhere in-line on the Positive battery cable, between the battery and the starter solenoid, and the mini toggle, activation switch is routed in the car to a secret hidden location, however most convenient if accessible while from the drivers seat.

The momentary toggle switch is a three-position switch that is spring loaded to always return to a neutral center position.

Flipping the toggle one direction will turns the battery disconnect ON and the opposite flip of the toggle turns the battery disconnect, OFF.

When you remove your finger from the toggle switch it will spring back to neutral position and draw no current. Once ON or OFF, the MBD-150 needs NO Power to stay engaged.

Disconnect the battery NOW before continuing with installation.

Select a location to mount the Battery Disconnect, it can mount in any position and to any material, meaning it does not have to mount to metal for a ground. Install the MBD-150 anywhere in the Positive battery cable that connects the battery to the starter solenoid. Remove the positive battery cable end from the starter solenoid and connect it to the side stud or post of the MBD-150 containing the fuse.

This is the HOT side of the MBD-150 (see wiring chart) all or any circuit you wish not interrupted will connect to this side of the Disconnect also. (i.e.: a clock memory wire).

Out of the opposite side of the MBD-150 is the Cold stud or post, install a new battery cable with eyes on both ends, connect one end to the MBD-150 Cold post then place the remaining cable end to the starter solenoid where we removed the old cable. (See wiring chart)

Now when the disconnect toggle is placed in the OFF position, the starter has NO juice, like the cables have been cut, only we did it electrically, with the greatest of ease.

Note; all positive wires connected to the batteries positive post, at the battery, if any, must move to the Cold post side of the MBD-150.

These wires if any, need to disconnect when the MBD-150 is flipped to off state, so we move any wires that might be on the battery post, over to the cold post side of the disconnect.

Select a location and mount the toggle switch, using care not to crush the back of the switch or wiring.

Route the toggle switch wires through a firewall or floorboard grommet and connect the Blue and Yellow wires to the small 'S' and 'I' terminals of the MBD-150, Blue to 'S' and Yellow to 'I'.

The Black wire of the toggle switch, connect to any clean body ground.

Note; The Disconnect base, does not need to be grounded and can mount to wood, plastic or metal, however the black ground wire of the toggle switch will need a metal ground. Wires can be lengthened as desired; connections should be soldered or crimped for maximum circuit connection and always insulated.

Next remove the fuse from the MBD-150 and line up the connector on the Red toggle wire with the 'T' slot on the disconnect, gently sliding it into place till it snaps into the empty slot of the fuse holder.

After the Red wire connector snaps into place, reinstall the fuse.

Time to test, so reconnect the battery cable to the post.

Depending on your desires the toggle switch can be rotated to correspond to your personal or preferred flip direction.

Flip the toggle switch in one direction (noting the direction you flip) turn the key to start the engine. Can the engine be started?

If so, turn OFF the engine and key and then remembering the direction you flipped the toggle switch first, flip the toggle the opposite way this time.

You will hear the disconnect jump each time your flip back and forth.

Remember one way is ON and the opposite is OFF.

Now try and start the engine, we should now be in the OFF state. The engine should not start or have ANY power to the vehicles electrical system so if you had a drain on the battery before, all will be OFF now without any drain.

What to work on the electrical system? Just a Quik Flip and the power, is OFF.

When you're done, a Quik Flip and the power is back ON.
Depending on your batteries condition, batteries could last a year just setting.
Come back in a month or two, flip the switch to ON and crank her up. How Sweet
it is!

Note; any clock or other memories left connected to the battery post during
installation will continue to drain, so if you do not plan on driving several times a
week. Shut OFF the clock memory with the rest of the vehicle or install a
separate on/off switch to the memories wire. So as to prolong the battery for the
next time we want to start her up.

Now all it takes is a Quik Flip and the job is done, Clean, Neat and Easy.

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