

# 109063 Grand-Am Hi Speed Coolant Fan Harness

This harness is designed to override the factory PCM fan control of coolant fans without interfering with the PCM control. The controller uses sealed relays and allows the car operator to set the coolant fans to HIGH SPEED. OEM connectors at the fan are included as well.

## Tools Required:

10mm Socket with ratchet

7mm Socket

Center Punch

1/4" Nut Driver

Short Flat Blade Screwdriver (For removing OEM connector clip)

1/8" Drill Bit with electric drill

Fish Wire-12/14 Gauge copper wire to feed harness thru firewall

Pliers

## Installation:

1. Be sure engine is not running and cool.
2. Gently unplug the two connectors from the fan housing (see image). **\*\*This may be easier to do from under the car\*\***
3. Plug the factory connectors into the harness and the new connectors into the fan housing.
4. Using the center punch, mark and drill the holes for mounting the relays. I did one relay at a time to get the spacing right (see image).
5. Securely mount the relays to the fender wall in front of the coolant tank (see image).
6. Safely route the wiring harness in front of the battery and around airbox to the Auxiliary Fuse Box by the driver side strut tower.
7. Unbolt the relay mounted to the fender wall and reattach with the ground wire (see image).
8. Using a pair of pliers, remove the plastic retaining clip above the driver foot well area and remove the carpeted panel.
9. Using a fish wire, push through the rubber grommet into the engine compartment. You may need to poke a hole in the rubber with a screwdriver.
10. Attach the connector end of the switch wire to your fish line and pull through the fire wall into the engine compartment (see image).
11. Attach the switch connector to the fan connector on the wiring harness.
12. Using a 7mm socket, remove the retaining bolt holding the positive lead to the fuse box.
13. Slip the red wire with ring over the post and replace the bolt (see image)
14. Drill and mount the switch and LED in the engine compartment. You may need to cut the leads on the LED to mount the LED. Just solder or crimp the wires back together and wrap with electrical tape.

## Operation Instructions:

When you turn the switch on, the LED will start to flash. **\*\*\*YOU CANNOT CHANGE THE LED\*\*\*** if you try and put a different LED on the switch, it will burn up. Remember that this harness will allow you to run the coolant fans without the key in the ignition, so be CAUTIOUS when leaving the vehicle unattended, as the battery can become depleted in a short time. Run time should not exceed 20 minutes. See IMAGE page for details on installation.

