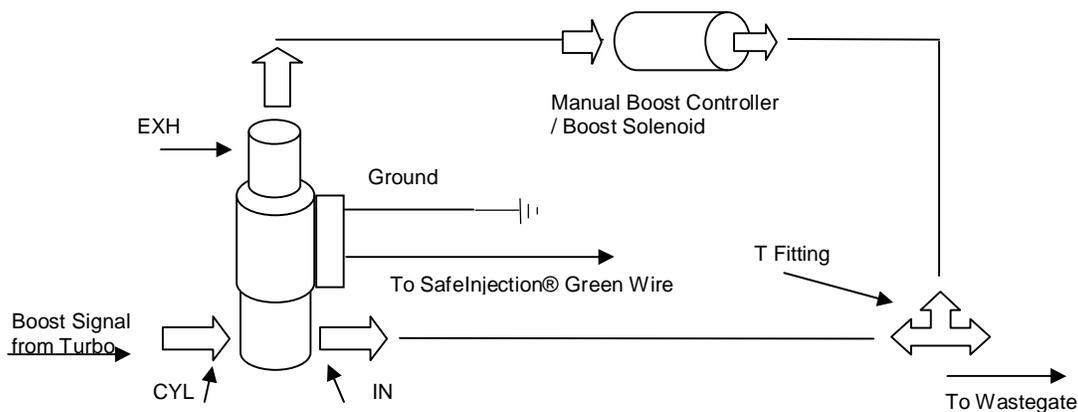


SafelInjection® Boost Control Solenoid

#30100

Description:

This solenoid allows the SafelInjection® system to decrease the boost pressure of a turbocharged vehicle in the event of a low flow situation. When the SafelInjection® module detects a low flow situation, a 12V signal is sent on the green wire to one of the black wires of the solenoid, redirecting boost pressure. This can be used to bypass a manual boost controller or a boost control solenoid. By allowing direct pressure to reach the wastegate, the vehicle will run the lowest boost pressure possible. Please refer to the diagram below for installation.



Under normal conditions the solenoid allows pressure and airflow to pass through from the CYL port to the EXH port. In the event that a 12V signal from the SafelInjection® module reaches the solenoid, it will redirect pressure and flow to the IN port. This bypasses the standard boost control system and allows full pressure to reach the wastegate, opening it and reducing boost pressure.

Mechanical Installation:

Use the included hose barbs in the ports of the solenoid. Use a small amount of E6000 GOOP® (available at any parts or crafts store) sealant on the threads to prevent leaks. The boost signal from the turbo goes to the CYL port. Connect the EXH port to the inlet of the manual boost controller or boost control solenoid. The outlet of the manual boost controller or boost control solenoid connects to the 'T' fitting. The IN port of the SafelInjection® solenoid connects to another port on the 'T' fitting. The third port on the 'T' fitting connects to the wastegate.

Electrical Installation:

The SafelInjection® solenoid has two black wires. One goes to ground, and the other connects to the green wire from the SafelInjection® harness. DO NOT connect the solenoid to the green wire from the control unit harness. Either black wire can go to ground or the green SafelInjection® wire.