



## Die Cast Aluminum Four Barrel 4150 Race Throttle Body P/N 112-602 (Hard Core Gray)

### Product Description:

The Holley EFI die cast aluminum four barrel throttle body is designed to fit on any square bore (4150 style) intake manifold. It has four 1-3/4" throttle plates. The unit includes the Throttle Position Sensor (TPS), Intake Air Temperature Sensor (IAT), and Idle Air Control (IAC) motor. It features non-progressive throttle linkage, for quickest throttle response, but can be converted to progressive operation by removing and adjusting the installed linkage.

### Vacuum Port Information:

The unit features one 3/16" and one 3/8" full manifold vacuum port on the back of the throttle body (Figure 2).



Figure 1

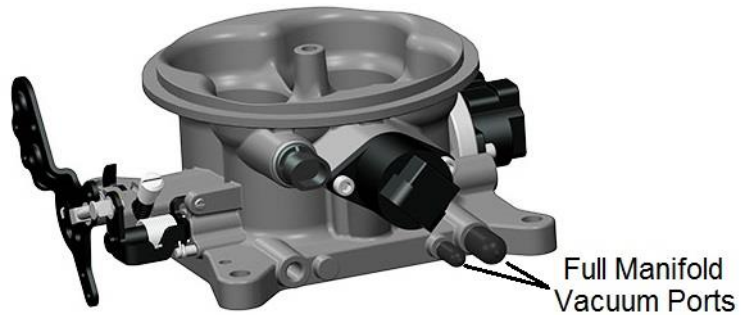


Figure 2

### Sensor, Connector, and Pin-out Information:

The IAT and IAC are all plug and play with Holley EFI harness PN 558-104.

A connector and pin kit (85R9766) is included for connecting to the installed TPS.

The following reviews the pin-out information, as well as the part numbers of the pins and connectors.

Idle Air Control Motor (IAC) – This is a Chrysler style and must be pinned as below.

A – A Low

B – B High

C – B Low

D – A High

Connector PN – 12162188

Pin – 12124076 (20-22ga)

Manifold Air Temp (MAT) – This is a GM style sensor.

A – Signal

B – Signal Ground

Connector PN – 12162199

Pin – 12124076 (20-22ga)

Throttle Position Sensor (TPS) – This is a typical 0-5V sensor.

A – Signal Ground

B – 5 Volt Reference

C – Signal

Connector PN - 12162182

Pin – 12124076 (20-22ga)

## **Throttle Connections:**

**DANGER!** A sticking throttle may result in uncontrolled engine or vehicle speed. This could cause property damage, personal injury, or death. A sticking throttle may be caused by improperly installed throttle cables, lack of clearance for any of the throttle linkage, or by a binding throttle linkage. Check all throttle cables for proper installation and alignment and actuate the throttle to check for any potential binding or clearance problems. Repair any problems before continuing.

1. Install the throttle linkage and external throttle return springs. External springs should be used in addition to the springs on the throttle body itself. Have an assistant get in the vehicle and fully depress the accelerator pedal. Make the necessary adjustments to the throttle linkage to insure that the throttle reaches wide-open position when the accelerator is depressed. Work throttle linkage back and forth several times to ensure that it operates smoothly with no binding or sticking.

**DANGER!** Failure to attach the throttle return spring or a sticking throttle may result in uncontrolled engine or vehicle speed, which could cause personal property damage, serious injury, or death.

## **Other Information:**

The unit uses a 5/16-18 thread for the air cleaner stud.

**Technical Support: 1-866-464-6553**

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