



## GM LS Series 80 mm Throttle Body (P/N 112-574) GM LS Series 90 mm Throttle Body (P/N 112-576)

### Installation Instructions 199R10340

**WARNING!** These instructions must be read and fully understood before beginning installation. Failure to follow these instructions may result in poor performance, vehicle damage, personal injury, and/or death.

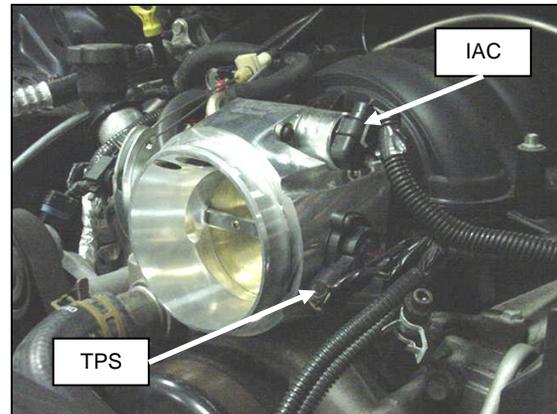
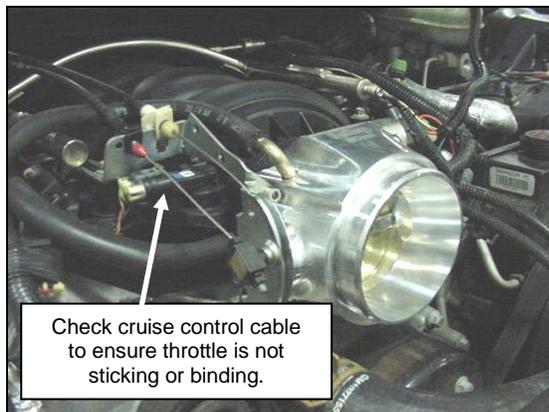
#### Introduction:

***Congratulations on your purchase of the GM LS Series HOLLEY THROTTLE BODY!*** Holley Performance Products cannot and will not be responsible for any alleged or actual engine or other damage, or other conditions resulting from misapplication of the system described herein. However, it is our intent to provide the best possible products for our customer; products that perform properly and satisfy your expectations. Should you need information or parts assistance, please contact our Technical Service Department at 1-270-781-9741, Monday through Friday, 7 a.m. to 5 p.m. Central Time; please have the part number of the product you purchased ready when you call.

This throttle body is intended for use on engines with a GM LS2 intake manifold or other LS series aftermarket intake manifolds with a 4 bolt throttle body flange. It will not fit LS1 intake manifolds with a 3 bolt throttle body flange.

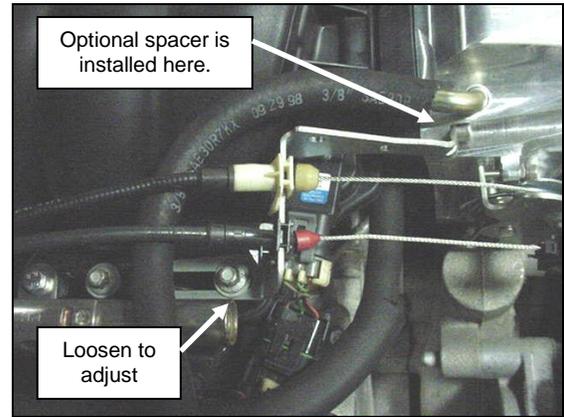
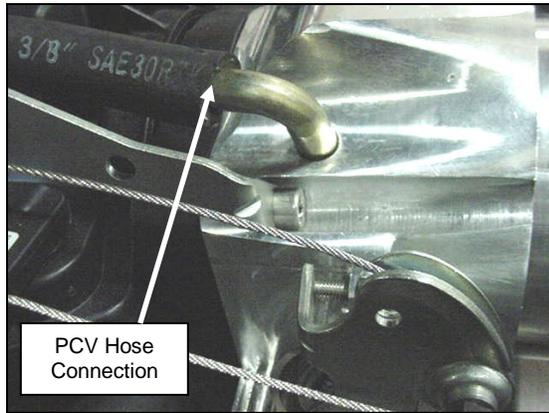
#### Installation:

1. Disconnect the negative battery cable.
2. Remove the air intake lid and air intake duct. Unplug the Mass Air Flow (MAF) and intake air temp sensors.
3. An LS2 intake manifold or aftermarket intake with a 4 bolt throttle body flange must be installed. Install per manufacturer's instructions.
4. Throttle Cable Bracket – A throttle cable bracket is included that mounts the throttle and cruise control cables. The bracket is slotted and an aluminum spacer is included if an item (say if a nitrous plate is used) requires the bracket to be moved forward.



5. Mount the throttle body and throttle cable bracket to the intake manifold using the (4) M6x1 -25mm screws and (4) stainless steel washers. If the spacer is used, use the included M6x1 – 50mm screw to mount the throttle cable bracket.

6. Install the PCV hose to the throttle body.



7. Mount the factory Throttle Position Sensor (TPS) using the factory hardware to the throttle body.
8. Mount the factory Idle Air Control (IAC) motor to the throttle body using the factory hardware. We suggest putting some lubricant on the o-ring, such as Vaseline®.
9. Plug in the TPS and IAC connectors.
10. Reinstall the air intake duct and air intake lid assembly.
11. Reconnect the battery.
12. The throttle bodies are factory set for proper idle airflow for stock engines. Modified engines with larger cams, engine displacement, etc, may require adjustment for proper idle airflow.

**WARNING:** Any sticking, binding, or other interference in the throttle linkage could result in uncontrolled engine speed. This could result in engine damage or personal injury.

**Holley Technical Support  
1801 Russellville Road  
Bowling Green, KY 42101  
Toll-Free Technical Support: 1-866-464-6553  
Technical Support: 1-270-781-9741  
Fax: 1-270-781-9772**

**For online help, please check the Tech Service section of our website: [www.holley.com](http://www.holley.com)**

© 2005 Holley Performance Products, Inc. All rights reserved.

**199R10340  
Revision Date: 5-8-13**