



58 mm TPI THROTTLE BODIES for 1985-88 CHEVROLET - P/N 112-503
58 mm TPI THROTTLE BODIES for 1989-92 CHEVROLET - P/N 112-507
58 mm LT1 THROTTLE BODIES for 1993 (F-body) & 1992-93 (Y-body) CHEVROLET- P/N 112-505
58 mm LT1 THROTTLE BODIES 1994-97 CHEVROLET - P/N 112-509

Installation and Adjustment Instructions

INTRODUCTION:

Congratulations on your purchase of a Holley Throttle Body Kit! 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 products 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 when you call.

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, or death. If these instructions are not fully understood, installation should not be attempted.

APPLICATIONS:

The products contained in this kit are designed to be a high performance replacement for the LT1 and TPI throttle bodies. To achieve maximum performance with the Holley large bore throttle body, Holley recommends the upper manifold be bored out to match the exact millimeter bore of the throttle body.

THROTTLE BODY KIT CONTENTS:

- Throttle Body Assembly
- Throttle Body Gasket
- 4 - Throttle Body Mounting Bolts

INSTALLATION:

1. Check and record the voltage of the throttle position sensor. Using a paper clip or pushpin, find the output on the TPS (Blue wire—5 volts).
2. Disconnect the negative battery terminal.
3. Remove the throttle body air inlet tube and disconnect the two water lines from the under side of the throttle body.
4. Disconnect all vacuum lines, electrical connectors, and throttle and cruise control cables from the throttle body.
5. Remove the 4-10mm throttle body mounting bolts. Slowly remove the throttle body from the intake manifold ensuring that no other connections are hindering removal.
6. Remove the 7 #20 Torx head screws from the water crossover manifold on the underside of the O.E. throttle body. Transfer the water crossover manifold and Torx screws to the new throttle body.
7. Remove the throttle position sensor from the throttle body. Install the throttle position sensor on the new throttle body. Use the existing screws. To ensure proper operation of the new throttle body, you may need to adjust the throttle position sensor to the original voltage that was on the stock throttle body. The OEM is not adjustable. You may have to slot the TPS to properly adjust with a cordless drill and bit.

NOTE: Ensure that the throttle is fully seated to the manifold to avoid leaks.

8. Install the new throttle body onto the intake manifold using the provided gaskets and bolts. Torque to 18 ft. lbs.
9. Reconnect all vacuum lines, electrical connectors, and throttle and cruise control cables from the throttle body.
10. Check for wide-open throttle with the pedal before installing the bellows.
11. Reconnect the throttle body air inlet tube and the two water lines from the under side of the throttle body.
12. Reinstall the negative battery terminal.
13. Refill the coolant tank to allow for any lost coolant.
14. Start the engine. The idle adjustment screw is accessible from the back side of the throttle body. If any idle adjustments are required, refer to the factory specs. A scan tool may be needed to make these adjustments.

For 1992 & 1993 Corvettes and Camaro/Firebird with the ASR option:

IMPORTANT! The adjuster assembly cables must always be adjusted each time the adjuster assembly is removed and replaced to insure optimum system performance. Always make sure the cable sheaths are extended to full length before performing the adjustment procedure.

REMOVAL:

1. Remove the adjuster assembly splash cover retaining screw (VIN P).
2. Remove the adjuster assembly splash cover and foam insert.
3. Remove the cable cam cover.
4. Disconnect the cruise control cable from the cruise actuator.

