

INSTALLATION INSTRUCTIONS

102013 TPS-TEC™ THROTTLE ENHANCER 1986-1989 GN/Ttype – Turbo TA

The TPS-TEC is designed to optimize the TPS signal to the ECM at 60% TPS and above. Assures full TPS voltage to ensure 100% power enrichment at WOT. Eliminates “dead spots” in TPS element and maintains consistent TPS signal. The module is equipped with two LED's which indicate correct functions.

Detonation is reduced by slightly “backing off” the throttle just below WOT. When at WOT, and detonation starts (usually at the top of 2nd. and 3rd. gear), you can back off the throttle very slightly. The effect: ECM still “thinks” that the throttle is opened fully since the TPS voltage is locked on 4.6v., but by backing off the throttle, you are reducing the airflow slightly, leading to a richer rather than leaner A/F mixture, reducing detonation by richening the otherwise lean condition. It becomes a bit of trial and error but you can reduce detonation and maintain power curve in this fashion. Do not back off the throttle more than 20-25% because you may set the TPS voltage back to the pre-60% mode.

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1986-1987 Turbo Regal

THROTTLE
POSITION
SENSOR (TPS)

1. REMOVE CONNECTOR FROM TPS BY PRYING UP ON LOCKING CLIP.
2. INSERT TPS-TEC CONNECTORS BETWEEN EXISTING CONNECTIONS OF CAR WIRING AND TPS.
3. TURN IGNITION KEY TO "ON" BUT DON'T START CAR. "STANDBY" LED SHOULD BE ILLUMINATED.
4. MOVE THROTTLE AS IF YOU WERE ACCELERATING VEHICLE. THE "ENHANCE" LED INDICATOR SHOULD ILLUMINATE.

