

D - ADJUSTMENTS

1998 Pontiac Bonneville

1998 ENGINE PERFORMANCE

General Motors Corp. - On-Vehicle Adjustments - 3.8L

Buick; LeSabre
Oldsmobile; LSS, Eighty Eight & Regency
Pontiac; Bonneville

MODEL IDENTIFICATION

Vehicle model is identified by fourth character of Vehicle Identification Number (VIN). VIN is stamped on metal pad on top of left end of instrument panel, near windshield.

ENGINE MECHANICAL

Before performing any on-vehicle adjustments to fuel or ignition systems, ensure engine mechanical condition is okay.

CAUTION: When battery is disconnected, vehicle computer and memory systems may lose memory data. Driveability problems may exist until computer systems have completed a relearn cycle. See COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION section before disconnecting battery.

VALVE CLEARANCE

NOTE: All models use hydraulic lifters. Adjustments are not required.

IGNITION TIMING

NOTE: All engines are equipped with C(3)I, DIS or IDI ignition systems. Timing on these systems is not adjustable.

IDLE SPEED & MIXTURE

NOTE: Idle mixture is controlled by Powertrain Control Module (PCM). Adjustment is not possible.

NOTE: Incorrect idle speeds are normally caused by dirty throttle plate or vacuum leaks. Ensure all vacuum components are functioning properly.

V6 IDLE SPEED

NOTE: Idle speed is controlled by PCM and is not adjustable. Slight fluctuations in idle speed are considered normal. Start and run engine for at least 7 minutes to establish PCM control of idle.

1) Idle speed is PCM-controlled. Resetting of IAC valve pintle is the only adjustment that can be performed. To reset IAC valve pintle position, turn ignition on.

2) Turn ignition off for 20 seconds. Start engine and check for proper idle operation. Repeat procedure if proper idle operation is not obtained.

THROTTLE POSITION (TP) SENSOR

NOTE: Ensure TP sensor voltage is as specified. See TP SENSOR VOLTAGE table. TP sensor is not adjustable. For further testing procedures, refer to G - TESTS W/CODES article.

TP SENSOR VOLTAGE TABLE

Application	(1) Volts
3.8L	(2)

- (1) - Voltage range is from idle position to wide open throttle position.
- (2) - Voltage range is less than one volt at closed throttle to greater than 4 volts at wide open throttle.
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