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PONTIAC DIVISION

'88



Dealer
Service
Bulletin



Subject: TPS INFORMATION AND SPECIFICATIONS

Models Affected: 1985-88 6000, FIREBIRD, SUNBIRD, FIERO,
AND GRAND PRIX MODELS EQUIPPED WITH
2.8L V6 CPC ENGINES (VIN CODES W, S, 9)

Some 1985-87 Service Manual 6E3 Sections covering the 2.8L V6 PFI engines do not include information on the ability of the ECM to auto-zero throttle position sensor (TPS) reference voltage. Auto-zero can be described as the ability of the ECM to determine a closed throttle position any time TPS voltage is within a specified range (see chart below). As long as the TPS reference voltage is within that range, the system will function properly. This capability is found on all 2.8L PFI engines (VIN Codes W, S and 9).

When checking TPS output voltage at closed throttle, there are different specifications for the different 2.8L V6 applications. "Scan" tools having the ability to also read the throttle valve angle should read 0% when the throttle valve is closed. Do NOT adjust the TPS on engines (VIN Codes W and S) if the voltage is within the specified range and throttle valve angle reads 0%. The throttle position sensor on the 2.8L (VIN 9) engine is non-adjustable.

<u>YEAR</u>	<u>MODEL</u>	<u>ENGINE/CODE</u>	<u>ACCEPTABLE CLOSED THROTTLE RANGE (VOLTS)</u>	<u>ADJUSTMENT SPECIFICATION</u>
1985	A/J	2.8L (VIN W)	0.35-0.67 Volts	0.55 +/- 0.1V
	F	2.8L (VIN S)	0.35-0.67 Volts	0.55 +/- 0.1V
	P	2.8L (VIN 9)	Less than 1.25 Volts	Non-Adj.
1986	A/J	2.8L (VIN W)	0.35-0.67 Volts	0.55 +/- 0.1V
	F	2.8L (VIN S)	0.35-0.67 Volts	0.55 +/- 0.1V
	P	2.8L (VIN 9)	Less than 1.25 Volts	Non-Adj.
1987	A/J	2.8L (VIN W)	0.35-0.7 Volts	0.55 +/- 0.1V
	F	2.8L (VIN S)	0.35-0.67 Volts	0.55 +/- 0.1V
	P	2.8L (VIN 9)	Less than 1.25 Volts	Non-Adj.
1988	A/J/W	2.8L (VIN W)	0.35-0.7 Volts	0.55 +/- 0.1V
	F	2.8L (VIN S)	0.35-0.67 Volts	0.55 +/- 0.1V
	P	2.8L (VIN 9)	Less than 1.25 Volts	Non-Adj.

SERVICE DEPARTMENT
PONTIAC DIVISION
GENERAL MOTORS CORPORATION

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