DTC	P0121	THROTTLE/PEDAL POSITION SENSOR/SWITCH A CIRCUIT	
		RANGE/PERFORMANCE[PROBLEM	

### HINT:

This[is[ihe]purpose[of[ihe]]Throttle[Position[iTP)[sensor".

## **CIRCUIT** DESCRIPTION

Refer To DTC P0120 on page 05-80.

DTC[No.	DTC[Detection Condition	Trouble[Area
P0121	Difference[between[VTA1[and[VTA2[voltage[deviates[from[the malfunction[briteria[for[2]seconds)[11[frip[detection[logic)	•IP[\$ensor •ECM

## MONITOR DESCRIPTION

The ECM uses the TP sensor on itor the throttle valve opening angle.

This sensor includes wo signals: VTA1 and VTA2. VTA1 is used to detect the throttle opening angle and VTA2 is used to detect and the confirm of the confirm

There[]saspecific[]voltage[difference[expected[]between[]VTA1[]and[]VTA2[]]or[]each[]hrottle[]opening[]angle. If[]he[]voltage[]output[]difference[]of[]he[]VTA1[]and[]VTA2[]deviates[]rom[]he[]hormal[]operating[]angle, []he[]ECM[]vill[]urn[]on[]he[]MIL[]and[]set[]a[]DTC.

This in onitor in unsifor [2] seconds () the instance of the i

### FAIL-SAFE

If the Electronic Throttle Control System (ETCS) that a final function, the ECM to the four rent to the throttle control system (ETCS) that a final function, the ECM to the force of the throttle control valve the turns to the throttle control valve the termined opening angle approximately 16°) by the force of the turn spring. The ECM then adjusts the tent of the turn of turns of the turn of turns of the turn of turns of turns of the turn of turns of

If the taccelerator pedal is depressed in many and slowly, the vehicle can be driven slowly.

If a pass tondition is detected and then the ignition witch is turned OFF, the fail-safe operation will stop and the system will return to mormal condition.

# WIRING[DIAGRAM

Refer[]o[]DTC[]P0120[]on[]page[]05-80.

# INSPECTION PROCEDURE

#### HINT

Read[freeze[frame@data@sing[the[intelligent]] reeze[frame@data@ecords[the@engine@onditions] when a malfunction so detected. When froubleshooting, freeze[frame@data@an[help@determine@fthe@wehicle@was running@r[stopped, iffthe@engine@was@warmed@pp@r[hot, iffthe@eir-fuel@atio@was@ean@r@ich, and ther@data from the malfunction occurred.

REPLACE[THROTTLE[BODY[ASSY[[See[page 10-9]