

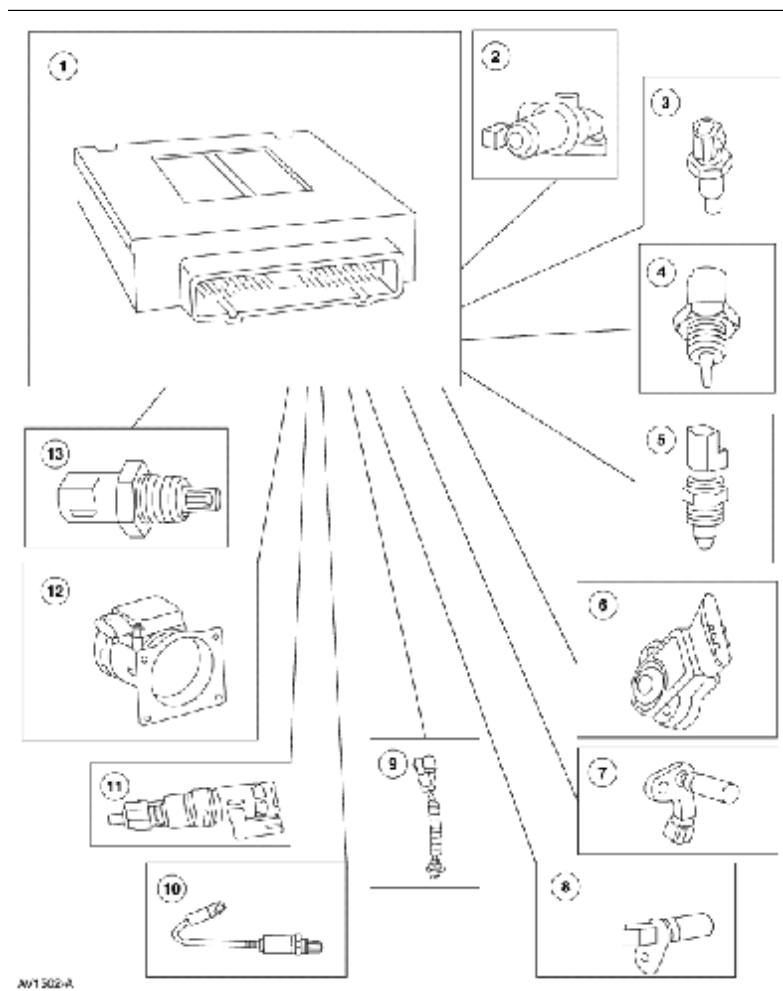
SECTION 303-14: Electronic Engine Controls  
DESCRIPTION AND OPERATION

1998 Expedition/Navigator Workshop Manual  
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### Electronic Engine Controls

The electronic engine controls consist of the components shown in the following illustration. For component description and operation, refer to the Powertrain Control/Emissions Diagnosis (PC/ED) manual.

#### Component Identification



Item	Part Number	Description
1	12A650	Powertrain control module (PCM)
2	9F715	Idle air control (IAC) Valve
3	6G004	Cylinder head temperature (CHT) sensor
4	12A648	Engine coolant temperature (ECT) sensor (4.6L)
5	10884	Water temperature sensor
6	9B989	Throttle position (TP) sensor
7	6C315	Crankshaft position (CKP) sensor
8	6B288	Camshaft position (CMP) sensor
9	12A699	Knock (KS) sensor
10	9F472	Heated oxygen sensor (HO2S)
11	9E731	Vehicle speed sensor (VSS)
12	12B579	Mass air flow (MAF) sensor
13	12A697	Intake air temperature (IAT) sensor

