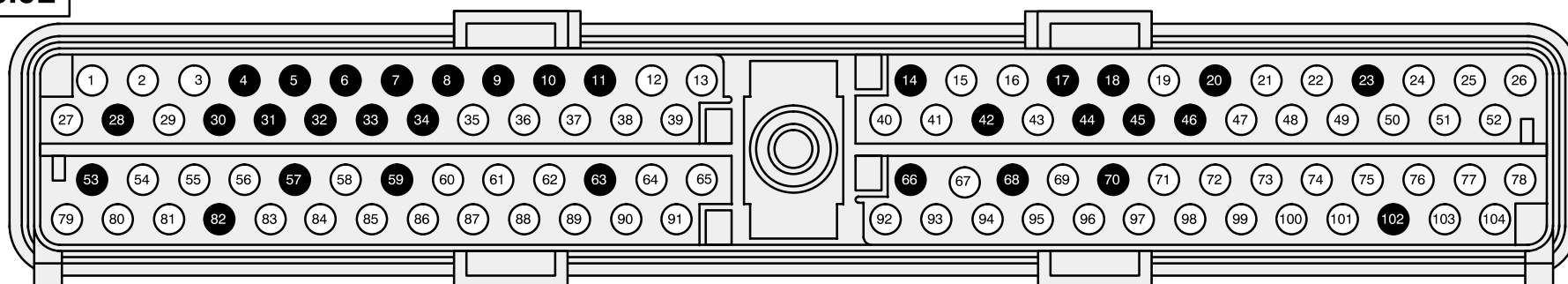


# ENGINE CONTROLS (5.0L) 25-8

1999 EXPLORER/MOUNTAINEER

5.0L



**C202**

**POWERTRAIN CONTROL MODULE (PCM)**

PIN	CIRCUIT	CIRCUIT FUNCTION	PIN	CIRCUIT	CIRCUIT FUNCTION
1	315 (VT/OG)	Shift Solenoid B	21	138 (BK/PK)	Crankshaft Position (CKP) Sensor
2	658 (PK/LG)	Malfunction Indicator Lamp (MIL)	22	139 (GY/YE)	Crankshaft Position (CKP) Sensor
3	1144 (YE/BK)	Digital Transmission Range Sensor TR1	23	—	NOT USED
4	—	NOT USED	24	570 (BK/WH)	Power Ground
5	—	NOT USED	25	57 (BK)	Chassis Ground
6	—	NOT USED	26	526 (DB/LG)	Ignition Coil #1
7	—	NOT USED	27	237 (OG/YE)	Shift Solenoid A
8	—	NOT USED	28	—	NOT USED
9	—	NOT USED	29	224 (TN/WH)	Transmission Control Switch (TCS) Input
10	—	NOT USED	30	—	NOT USED
11	—	NOT USED	31	—	NOT USED
12	29 (YE/WH)	Fuel Level Input	32	—	NOT USED
13	107 (VT)	Data Link Connector (DLC)	33	—	NOT USED
14	—	NOT USED	34	—	NOT USED
15	915 (PK/LB)	SCP Data Bus (—)	35	392 (RD/LG)	Heated Oxygen Sensor #3 (HO2S) Input (Catalyst Monitor)
16	914 (TN/OG)	SCP Data Bus (+)	36	968 (TN/LB)	Mass Air Flow (MAF) Sensor Return
17	—	NOT USED	37	923 (OG/BK)	Transmission Fluid Temperature (ECT) Sensor Input
18	—	NOT USED			
19	394 (OG/BK)	Air Suspension Acceleration Input			
20	—	NOT USED			

# 25-9 ENGINE CONTROLS (5.0L)

1999 EXPLORER/MOUNTAINEER

PIN	CIRCUIT	CIRCUIT FUNCTION	PIN	CIRCUIT	CIRCUIT FUNCTION
38	354 (LG/RD)	Engine Coolant Temperature (ECT) Sensor Input	69	331 (PK/YE)	Wide Open Throttle A/C Cutoff (WAC) Relay Output
39	743 (GY)	Intake Air Temperature (IAT) Sensor Input	70	—	NOT USED
40	238 (DG/YE)	Fuel Pump Monitor Input	71	361 (RD)	Power (VPWR)
41	348 (VT)	A/C High Pressure Cutoff Switch Input	72	561 (TN/RD)	Fuel Injector #7 Control
42	—	NOT USED	73	559 (TN/BK)	Fuel Injector #5 Control
43	305 (LB/PK)	NOT USED	74	557 (BN/YE)	Fuel Injector #3 Control
44	—	NOT USED	75	555 (TN)	Fuel Injector #1 Control
45	—	NOT USED	76	570 (BK/WH)	Power Ground
46	—	NOT USED	77	570 (BK/WH)	Power Ground
47	360 (BN/PK)	EGR Vacuum Regulator (EVR) Control	78	528 (PK/WH)	Ignition Coil #3
48	11 (TN/YE)	Tachometer	79	911 (WH/LG)	Transmission Control Indicator Lamp (TCIL) Output
49	1145 (LB/BK)	Digital Transmission Range (DTR) Sensor TR2	80	926 (LB/OG)	Fuel Pump Relay Control
50	1143 (WH/BK)	Digital Transmission Range (DTR) Sensor TR4	81	925 (WH/YE)	Electronic Pressure Control (EPC) Solenoid
51	570 (BK/WH)	Power Ground	82	—	NOT USED
52	527 (RD/LB)	Ignition Coil #2	83	264 (WH/LB)	Idle Air Control (IAC) Valve Control
53	—	NOT USED	84	136 (DB/YE)	Output Shaft Speed Sensor
54	125 (DB/WH)	Torque Converter Clutch Solenoid	85	282 (DB/OG)	Camshaft Position (CMP) Sensor Input
55	37 (YE)	Keep Alive Power (B+)	86	347 (BK/YE)	PCM To A/C Cycling Pressure Switch
56	191 (LG/BK)	EVAP Canister Purge Valve	87	94 (RD/BK)	Heated Oxygen Sensor #2 (HO2S) Input
57	—	NOT USED	88	967 (LB/RD)	Mass Air Flow (MAF) Sensor Input
58	679 (GY/BK)	Vehicle Speed Sensor (VSS) Input	89	355 (GY/WH)	Throttle Position (TP) Sensor Input
59	—	NOT USED	90	351 (BN/WH)	Reference Voltage
60	74 (GY/LB)	Heated Oxygen Sensor #1 (HO2S) Input	91	359 (GY/RD)	Signal Return
61	393 (VT/LG)	Heated Oxygen Sensor #4 (HO2S) Input	92	810 (RD/LG)	Brake Pedal Position (BPP) Switch Input
62	791 (RD/PK)	Fuel Tank Pressure Sensor	93	387 (RD/WH)	Heated Oxygen Sensor #1 (HO2S) Heater
63	—	NOT USED	94	388 (YE/LB)	Heated Oxygen Sensor #2 (HO2S) Heater
64	199 (LB/YE)	Digital Transmission Range (DTR) Sensor TR3A	95	389 (WH/BK)	Heated Oxygen Sensor #3 (HO2S) Heater (Catalyst Monitor)
65	352 (BN/LG)	Differential Pressure Feedback EGR (DPFE) Sensor			
66	—	NOT USED			
67	91 (VT/WH)	Canister Vent (CV) Solenoid			
68	—	NOT USED			

# ENGINE CONTROLS (5.0L) 25-10

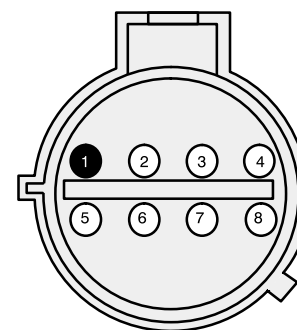
1999 EXPLORER/MOUNTAINEER

PIN	CIRCUIT	CIRCUIT FUNCTION
96	390 (TN/YE)	Heated Oxygen Sensor #4 (HO2S) Heater
97	361 (RD)	Power (VPWR)
98	562 (LB)	Fuel Injector #8 Control
99	560 (LG/OG)	Fuel Injector #6 Control
100	558 (BN/LB)	Fuel Injector #4 Control
101	556 (WH)	Fuel Injector #2 Control
102	—	NOT USED
103	570 (BK/WH)	Power Ground
104	529 (RD/YE)	Ignition Coil #4

## CONNECTOR REFERENCE LIST

CONNECTOR	SECTION-PAGE
C112	30-5
C180	30-5
C282	59-8
C283	59-7
C286	62-7
C287	62-7
C291	14-2

5.0L



**C311**  
**FUEL TANK ASSEMBLY**  
**(HARNESS SIDE)**

PIN	CIRCUIT	CIRCUIT FUNCTION
1	—	NOT USED
2	359 (GY/RD)	Signal Return
3	791 (RD/PK)	Pressure Transducer Output
4	351 (BN/WH)	Reference Voltage
5	29 (YE/WH)	Instrument Cluster Output
6	57 (BK)	Ground
7	787 (PK/BK)	Inertia Fuel Shutoff Output
8	651 (BK/YE)	Ground