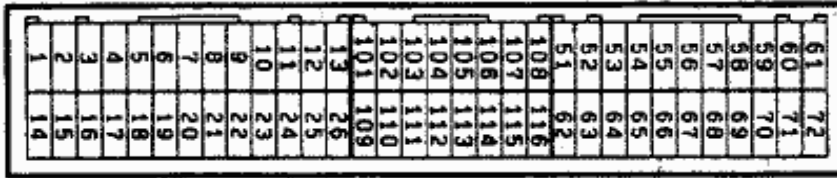


1991-1993 Mitsubishi 3000GT/Dodge Stealth DOHC Engine Control Module terminal assignments - Jeff L



<u>Pin Number</u>	<u>N/A Function</u>	<u>TT Function</u>	<u>Difference</u>
1	Number 1 Injector Ground Control	Number 1 Injector Ground Control	None
2	Number 3 Injector Ground Control	Number 3 Injector Ground Control	None
3	Number 5 Injector Ground Control	Number 5 Injector Ground Control	None
4	Stepper Motor Coil A1	Stepper Motor Coil A1	None
5	Stepper Motor Coil B1	Stepper Motor Coil B1	None
6	EGR Solenoid Valve	EGR Solenoid Valve	None
7	Reduce Torque Execution (A/T only)	Fuel Pressure Solenoid Valve	Different
8	MFI Power Supply Ground	MFI Power Supply Ground	None
9	EVAP Purge Solenoid Valve	EVAP Purge Solenoid Valve	None
10	Ignition Power Transistor Unit A	Ignition Power Transistor Unit A	None
11	Ignition Power Transistor Unit C	Ignition Power Transistor Unit C	None
12	+12V Power Supply from MFI Relay	+12V Power Supply from MFI Relay	None
13	Chassis Ground	Chassis Ground	None
14	Number 2 Injector Ground Control	Number 2 Injector Ground Control	None
15	Number 4 Injector Ground Control	Number 4 Injector Ground Control	None
16	Number 6 Injector Ground Control	Number 6 Injector Ground Control	None
17	Stepper Motor Coil A2	Stepper Motor Coil A2	None
18	Stepper Motor Coil B2	Stepper Motor Coil B2	None
19	Air Flow Sensor Reset	Air Flow Sensor Reset	None
20	A/C Control Unit	A/C Control Unit	None
21	-- not used --	Fuel Pump Relay 2	Turbo only
22	A/C Magnetic Clutch Relay	A/C Magnetic Clutch Relay	None
23	Ignition Power Transistor Unit B	Ignition Power Transistor Unit B	None
24	Electric Load Switch	Electric Load Switch	None
25	+12V Power Supply from MFI Relay	+12V Power Supply from MFI Relay	None
26	Chassis Ground	Chassis Ground	None
101	Engine Ignition Signal	Engine Ignition Signal	None
102	-- not used --	Active Exhaust Control Unit	Turbo only
103	Induction Valve Position Sensor 2	Muffler Mode Changeover Switch	Different
104	Ignition Timing Adjustment Terminal	Ignition Timing Adjustment Terminal	None
105	-- not used --	Turbo Wastegate Solenoid Valve	Turbo only
106	Check Engine Light	Check Engine Light	None
107	Power Steering Oil Pressure Switch	Power Steering Oil Pressure Switch	None
108	MFI Power Supply Ground	MFI Power Supply Ground	None
109	Induction Valve Closed	-- not used --	NA only
110	Induction Valve Opened	-- not used --	NA only
111	Induction Valve Position Sensor 1	Turbo Boost Meter	Different
112	Diagnostic Connector	Diagnostic Connector	None
113	Diagnostic Connector	Diagnostic Connector	None
114	ABS Control Unit	ABS Control Unit	ES vs R/T
115	Engine Coolant Temp Switch	Engine Coolant Temp Switch	None
116	Reduce Torque Request 1 (A/T only)	-- not used --	NA only
51	Starter Relay signal (M/T only)	Starter Relay signal	M/T vs A/T

52	+5V feed to Intake Air Temp Sensor	+5V feed to Intake Air Temp Sensor	None
53	EGR Temp Sensor	EGR Temp Sensor	Not Needed
54	-- not used --	-- not used --	None
55	-- not used --	Heated O2 Sensor Front Bank	Turbo only
56	Heated O2 Sensor	Heated O2 Sensor Rear Bank	None
57	-- not used --	-- not used --	None
58	Detonation Sensor Output	Detonation Sensor Output	None
59	Reduce Torque Request 2 (A/T Only)	-- not used --	NA only
60	+12V from fuse #19	+12V from fuse #19	None
61	+5V feed to TPS, IPS, Baro, IAT	+5V feed to TPS, IPS, Baro, IAT	None
62	+12V from fuse #12	+12V from fuse #12	None
63	+5V feed to Eng Coolant Temp Sensor	+5V feed to Eng Coolant Temp Sensor	None
64	Throttle Position Sensor Output	Throttle Position Sensor Output	None
65	Barometric Pressure Sensor Output	Barometric Pressure Sensor Output	None
66	Vehicle Speed Sensor Output	Vehicle Speed Sensor Output	None
67	+5V feed to Throttle Position Switch	+5V feed to Throttle Position Switch	None
68	TDC Sensor Output	TDC Sensor Output	None
69	Crankshaft Position Sensor Output	Crankshaft Position Sensor Output	None
70	+5V feed to Air Flow Sensor	+5V feed to Air Flow Sensor	None
71	Chassis ground	Chassis ground	M/T vs A/T
72	Ground for TPS, O2, IAT sensors	Ground for TPS, O2, IAT sensors	None

.ucius

Comments

Fuel Pressure Solenoid is not necessary.
Used to pull MFI relay for fuel pump

Coils 1 & 4
Coils 3 & 6
20A Dedicated Fuse #1, switched in MFI relay

Clutch slip input
Relay can be removed to not lower voltage at idle

Coils 2 & 5
Stop light, tallight, defogger switches through Diode E-31
20A Parallel route through airflow sensor
Also attaches to O2 sensor shielding on wire
Power Transistor Unit tach signal (rpm)
Muffler changeover not needed with aftermarket exhaust
Muffler changeover not needed with aftermarket exhaust

Not needed with aftermarket electronic boost controller
In combination meter

Used to pull MFI relay for pins 12 and 25

MPI functions reported
Query signal
ES model does not have ABS
For A/C only

Park/Neutral switch for A/T

used to read air temp sensor output
California Only. Needs to be 2.2-3.0V to avoid CEL on CA ECUs

NA models have only one O2 sensor

15A fusible link, from battery ("backup power")
also O2 sensors
15A junction box, from ignition switch IG1
used to read coolant sensor output

used to tell if switch ON (at idle) or OFF (not idling)

used to read air flow sensor output (Hz)
Starter Relay signal for A/T
also coolant sensor and others