

MCM WIRING DIAGRAM

DDC RESPONSIBILITY

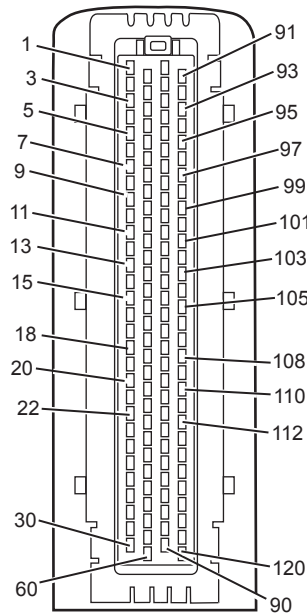


PIN NO. DESCRIPTION

- 1 Not Used
- 2 Not Used
- 3 Not Used
- 4 Spill Control Valve (cyl 4)-pin 4
- 5 Spill Control Valve Common-pin 3
- 6 Spill Control Valve (cyl 6)-pin 4
- 7 Spill Control Valve Common-pin 3
- 8 Spill Control Valve (cyl 5)-pin 4
- 9 Spill Control Valve Common-pin 3
- 10 Spill Control Valve (cyl 2)-pin 4
- 11 Spill Control Valve Common-pin 3
- 12 Spill Control Valve (cyl 3)-pin 4
- 13 Spill Control Valve Common-pin 3
- 14 Spill Control Valve (cyl 1)-pin 4
- 15 Spill Control Valve Common-pin 3
- 16 Needle Control Valve (cyl 4)-pin 2
- 17 Needle Control Valve Common-pin 1
- 18 Needle Control Valve (cyl 6)-pin 2
- 19 Needle Control Valve Common-pin 1
- 20 Needle Control Valve (cyl 5)-pin 2
- 21 Needle Control Valve Common-pin 1
- 22 Needle Control Valve (cyl 2)-pin 2
- 23 Needle Control Valve Common-pin 1
- 24 Needle Control Valve (cyl 3)-pin 2
- 25 Needle Control Valve Common-pin 1
- 26 Needle Control Valve (cyl 1)-pin 2
- 27 Needle Control Valve Common-pin 1
- 28 Not Used
- 29 DOC Outlet Temp Sensor
- 30 DPF Outlet Pressure Sensor
- 31 Not Used
- 32 Jake Front
- 33 Two-speed Fan or Variable-speed Fan
- 34 Not Used
- 35 Not Used
- 36 Not Used
- 37 Not Used
- 38 Ground
- 39 Not Used
- 40 Not Used
- 41 Not Used
- 42 CKP/TRS(-)
- 43 CKP/TRS(+)
- 44 CMP/SRS(-)
- 45 CMP/SRS(+)
- 46 Not Used
- 47 Fan Speed
- 48 Not Used
- 49 Not Used
- 50 Sensor Ground
- 51 Turbo Speed Sensor
- 52 Sensor Ground
- 53 Not Used
- 54 Engine Oil Pressure Sensor
- 55 Sensor Ground
- 56 Not Used
- 57 Not Used
- 58 Sensor Power Supply
- 59 Not Used
- 60 EGR Valve Position

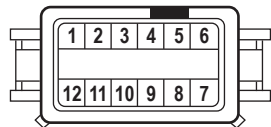
PIN NO. DESCRIPTION

- 61 EGR Valve
- 62 Power Supply
- 63 Not Used
- 64 Power Supply
- 65 Electronic Dosing Valve
- 66 Jake Rear
- 67 Ground
- 68 Not Used
- 69 Fuel Cutoff Valve
- 70 Ether Start
- 71 Not Used
- 72 Not Used
- 73 Not Used
- 74 VNT CAN (-)
- 75 VNT CAN (+)
- 76 Not Used
- 77 Supply Fuel Temperature Sensor
- 78 Not Used
- 79 Not Used
- 80 Not Used
- 81 Not Used
- 82 Sensor Power Supply
- 83 EGR Temperature Sensor
- 84 Fuel Compensation Pressure Sensor
- 85 Sensor Power Supply
- 86 Turbo Compressor InTemp Sensor
- 87 Intake Manifold Pressure Sensor
- 88 Sensor Ground
- 89 DOC Inlet Temp Sensor
- 90 Sensor Position
- 91 Intake Air Throttle Valve
- 92 Power Supply
- 93 Not Used
- 94 Power Supply
- 95 Not Used
- 96 Not Used
- 97 Not Used
- 98 Single-Speed Fan or Two-Speed Fan
- 99 Not Used
- 100 Intake Air Throttle (+)
- 101 Intake Air Throttle (-)
- 102 Sensor Ground
- 103 Sensor Ground
- 104 Sensor Ground
- 105 Sensor Ground
- 106 Intake Air Temperature Sensor
- 107 Not Used
- 108 Engine Oil Temperature Sensor
- 109 EGR Delta Pressure Sensor
- 110 Engine Coolant Temperature Sensor
- 111 Fuel Line Pressure Sensor
- 112 Turbo Compressor Out Temp Sensor
- 113 Not Used
- 114 Sensor Ground
- 115 DPF Outlet Temp Sensor
- 116 Not Used
- 117 Sensor Power Supply
- 118 DPF Inlet Pressure Sensor
- 119 Not Used
- 120 Not Used

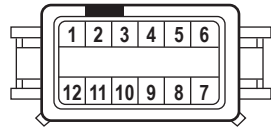


120-PIN CONNECTOR

LOOKING INTO VALVE COVER



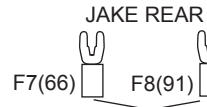
FRONT CONNECTOR = GREY



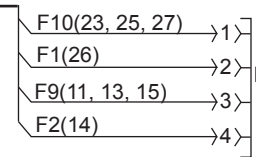
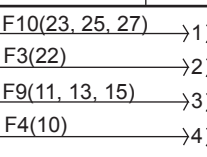
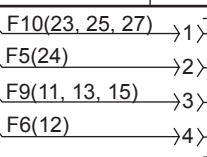
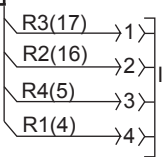
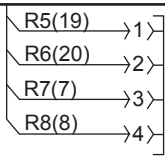
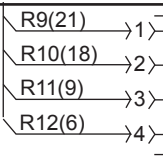
REAR CONNECTOR = BLACK

REAR INLINE TO SENSOR HARNESS

FRONT INLINE TO SENSOR HARNESS

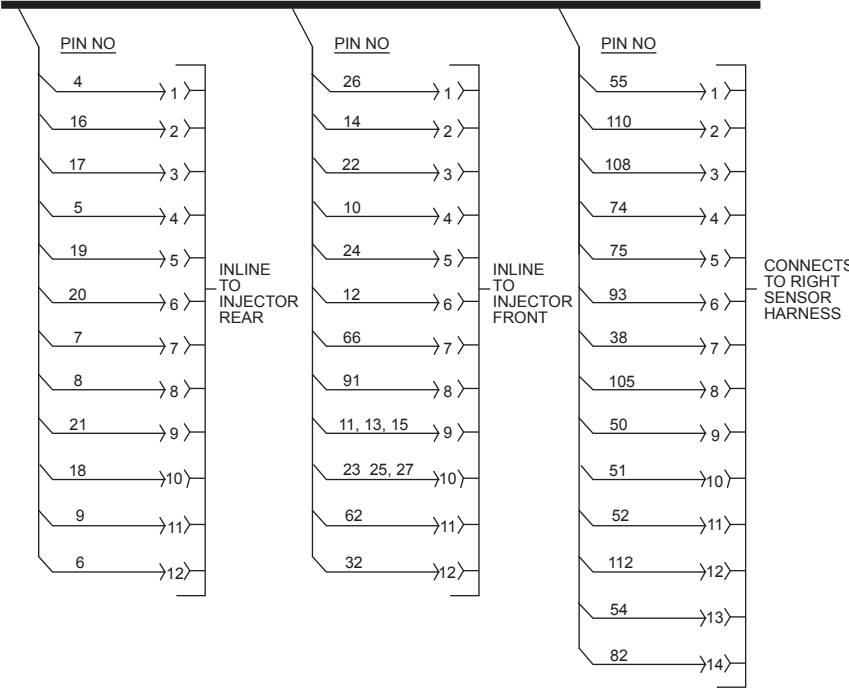
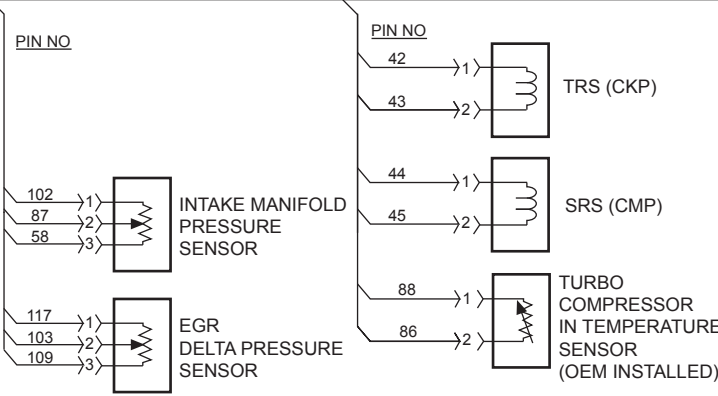
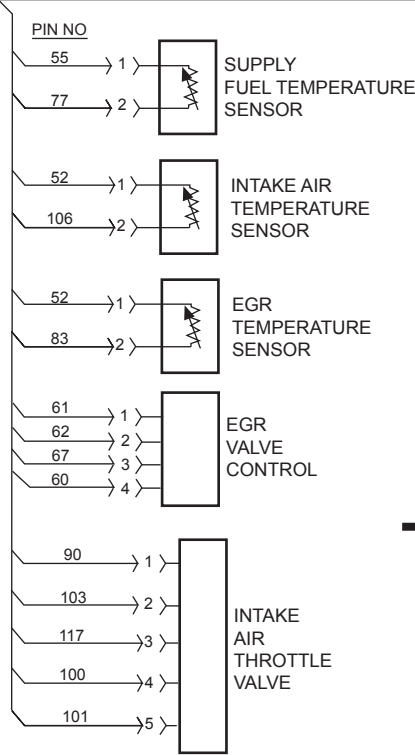
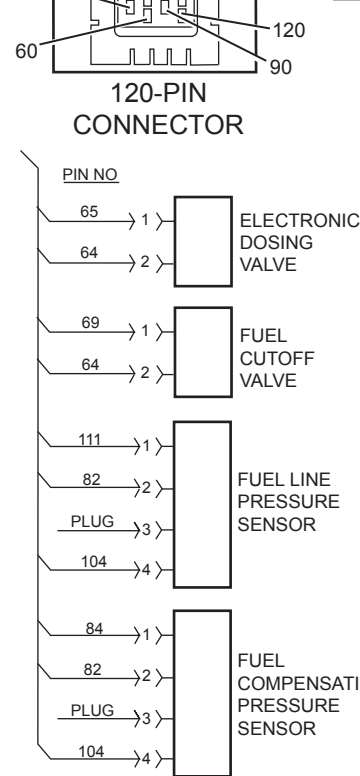


R = REAR
F = FRONT

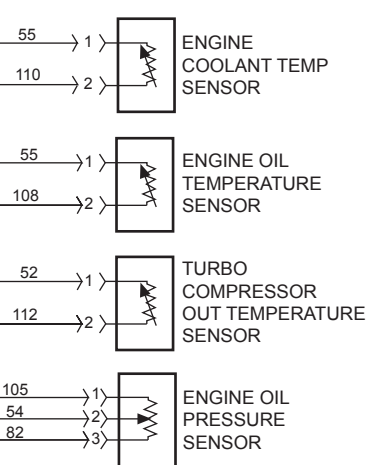
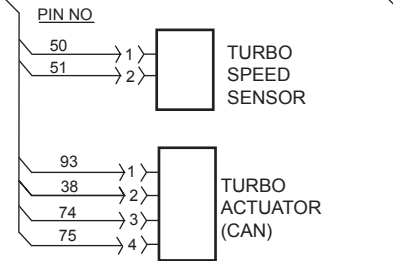


INJECTOR HARNESS (WITH JAKE BRAKE)

LEFT SENSOR HARNESS



RIGHT SENSOR HARNESS



DDEC VI SERIES 60 MCM EGR ENGINE HARNESS

CAVITY	LABEL
	PLUG
	PLUG
	PLUG
	PLUG
	PLUG
	PLUG
	PLUG
70	ETHER START
33	FAN CONTROL #2
98	FAN CONTROL #1
	PLUG
	PLUG
	PLUG
	PLUG
	PLUG
	PLUG
29	DOC OUTLET TEMP SENSOR
89	DOC INLET TEMP SENSOR
115	DPF OUTLET TEMP SENSOR
	PLUG
	PLUG
91	POWER SUPPLY
47	FAN SPEED
88	SENSOR GND
	PLUG
	PLUG
86	TCI TEMP SENSOR
114	SENSOR RETURN
85	SENSOR SUPPLY
30	DPF OUTLET PRESSURE SENSOR
118	DPF INLET PRESSURE SENSOR