

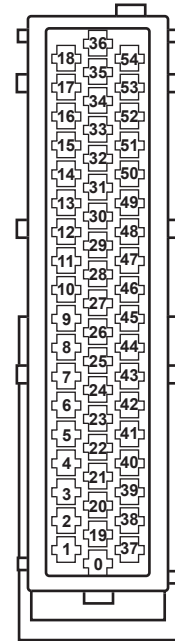
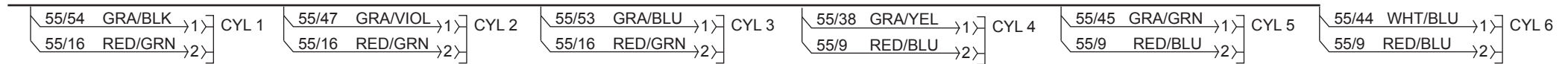
MBE 4000 (EPA04) DDEC-ECU EGR ENGINE HARNESS

DDC RESPONSIBILITY

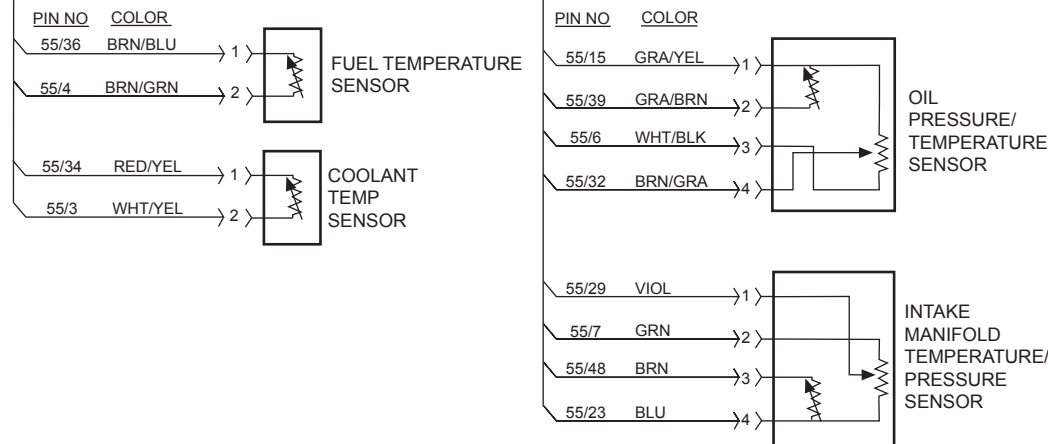
PIN NO. WIRE COLOR DESCRIPTION

55/0	--	NOT USED
55/1	BLK/YEL	CMP (-)
55/2	BLK/VIOL	CKP (-)
55/3	WHT/YEL	COOLANT TEMP RETURN
55/4	BRN/GRN	FUEL TEMP
55/5	GRN/WHT	SENSOR RETURN
55/6	WHT/BLK	OIL PRESSURE SENSOR SUPPLY
55/7	GRN	BOOST PRESS SENSOR SUPPLY
55/8	--	NOT USED
55/9	RED/BLU	INJECTOR VALVES (BANK 2)
55/10	--	OIL PRESSURE SENSOR RETURN
55/11	GRA/VIOL	PV GROUND
55/12	BRN/RED	PV BANK 1-4
55/13	--	NOT USED
55/14	--	NOT USED
55/15	GRA/YEL	OIL TEMP RETURN
55/16	RED/GRN	INJECTOR VALVES (BANK 1)
55/17	--	NOT USED
55/18	--	STARTER HIGHSIDE CONTROL
55/19	BRN/VIOL	CKP (+)
55/20	BRN/YEL	CMP (+)
55/21	--	INTAKE MANIFOLD TEMP RETURN
55/22	BLK	EGR TEMP SENSOR RETURN
55/23	BLU	BOOST PRESS SENSOR RETURN
55/24	GRN/VIOL	TURBO SPEED SIGNAL
55/25	--	NOT USED
55/26	--	NOT USED
55/27	BRN/BLK	PV5 - CONSTANT THROTTLE VALVE
55/28	WHT/VIOL	EGR TEMP SIGNAL
55/29	VIOL	INTAKE MANIFOLD PRESS SIGNAL
55/30	--	NOT USED
55/31	--	NOT USED
55/32	BRN/GRA	OIL PRESSURE SIGNAL
55/33	WHT	NOT USED
55/34	RED/YEL	COOLANT TEMP SIGNAL
55/35	--	NOT USED
55/36	BRN/BLU	FUEL TEMP SIGNAL
55/37	--	NOT USED
55/38	GRA/YEL	INJ/SOLENOID VALVE 4 (F)
55/39	GRA/BRN	OIL TEMP SIGNAL
55/40	RED/WHT	PV6
55/41	RED	PV3 FAN CONTROL
55/42	BLU/BLK	PV SUPPLY
55/43	BLK/WHT	PV4
55/44	WHT/BLU	INJ/SOLENOID VALVE 6 (D)
55/45	GRA/GRN	INJ/SOLENOID VALVE 5 (B)
55/46	--	NOT USED
55/47	GRA/VIOL	INJ/SOLENOID VALVE 2 (E)
55/48	BRN	INTAKE MANIFOLD TEMP SIGNAL
55/49	YEL	NOT USED
55/50	YEL	PV2 CONTROL
55/51	WHT/RED	PV1 CONTROL
55/52	--	PV2 SUPPLY
55/53	GRA/BLU	INJ/SOLENOID VALVE 3 (C)
55/54	GRA/BLK	INJ/SOLENOID VALVE 1 (A)

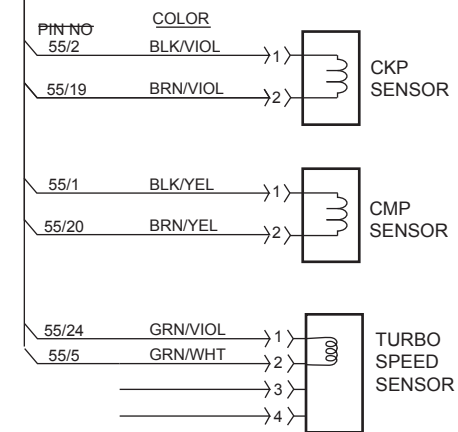
INJECTORS



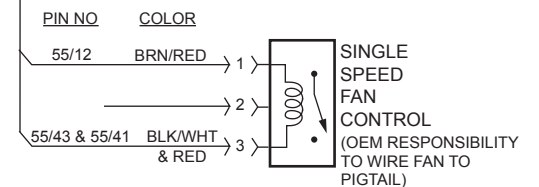
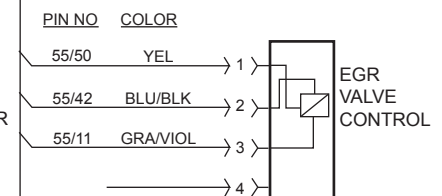
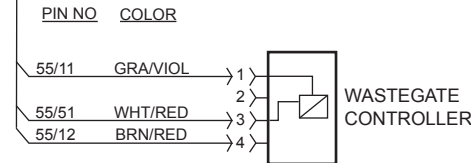
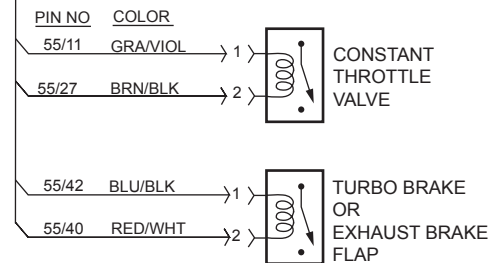
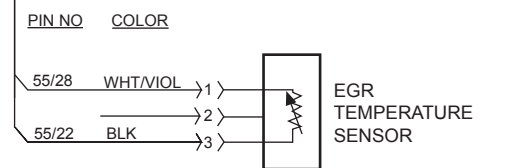
TEMPERATURE / PRESSURE SENSORS



SPEED SENSORS



EGR SENSORS



15-PIN CONNECTOR

- 15/1 TRANS NEUTRAL Sw
- 15/2 DUAL SPEED AXLE
- 15/3 VSS +
- 15/4 VSS -
- 15/5 NOT USED
- 15/6 NOT USED
- 15/7 ENGINE COOLANT LEVEL SENSOR
- 15/8 NOT USED
- 15/9 AGS2 BACKUP LAMP OUTPUT/COOLANT LEVEL LOW LAMP
- 15/10 GRID HEATER
- 15/11 OI ACTIVE LAMP
- 15/12 STARTER LOCKOUT / OI ALARM
- 15/13 MBE PROPRIETARY CAN (+)
- 15/14 MBE PROPRIETARY CAN SHIELD
- 15/15 MBE PROPRIETARY CAN (-)

18-PIN CONNECTOR

- 18/1 VEHICLE POWER SHUTDOWN
- 18/2 CLUTCH SWITCH 1
- 18/3 IDLE VALIDATION GROUND
- 18/4 CRUISE CONTROL, SET/COAST
- 18/5 CRUISE CONTROL, RES/ACCEL
- 18/6 CRUISE CONTROL, ON/OFF
- 18/7 REMOTE ACCELERATOR SELECT SWITCH
- 18/8 ENGINE BRAKE LOW
- 18/9 ENGINE BRAKE HIGH
- 18/10 REMOTE PTO SWITCH
- 18/11 LIMITER 0
- 18/12 LIMITER 1
- 18/13 ENGINE SHUTDOWN OVERRIDE
- 18/14 AIR CONDITION STATUS
- 18/15 FAN OVERRIDE
- 18/16 THROTTLE INHIBIT
- 18/17 REMOTE THROTTLE +5V SUPPLY
- 18/18 REMOTE THROTTLE SIGNAL

12-PIN CONNECTOR

- 12/1 ENGINE START
- 12/2 NOT USED
- 12/3 OIL PRESSURE GAUGE/WARNING LAMP/FRS
- 12/4 OI THERMOSTAT/AGS2 CHECK TRANS LIGHT
- 12/5 AGS2 TRANS TEMP LIGHT
- 12/6 TACH OUT
- 12/7 NOT USED
- 12/8 OI HOOD TILT SWITCH
- 12/9 NOT USED
- 12/10 NOT USED
- 12/11 ENGINE STOP
- 12/12 NOT USED

21-PIN CONNECTOR

- 21/1 BATTERY VOLTAGE
- 21/2 IGNITION (+12V)
- 21/3 BATTERY GROUND
- 21/4 NOT USED
- 21/5 RED STOP LAMP
- 21/6 AMBER WARNING LAMP
- 21/7 WAIT TO START LAMP
- 21/8 NOT USED
- 21/9 THROTTLE PEDAL POWER +5V SUPPLY
- 21/10 PLUG (NOT USED, MUST BE PLUGGED)
- 21/11 THROTTLE PEDAL SIGNAL
- 21/12 VALIDATION 2 (THROTTLE ACTIVE)
- 21/13 IDLE VALIDATION 1 (IDLE ACTIVE)
- 21/14 THROTTLE PEDAL SENSOR RETURN
- 21/15 SERVICE BRAKE SWITCH
- 21/16 PARK BRAKE SWITCH
- 21/17 SAE J1587 (+)
- 21/18 SAE J1587 (-)
- 21/19 SAE J1939 (+)
- 21/20 J1939 SHIELD
- 21/21 SAE J1939 (-)

DDEC FOR MBE (MBE 900/4000) VEHICLE INTERFACE HARNESS

OEM RESPONSIBILITY

