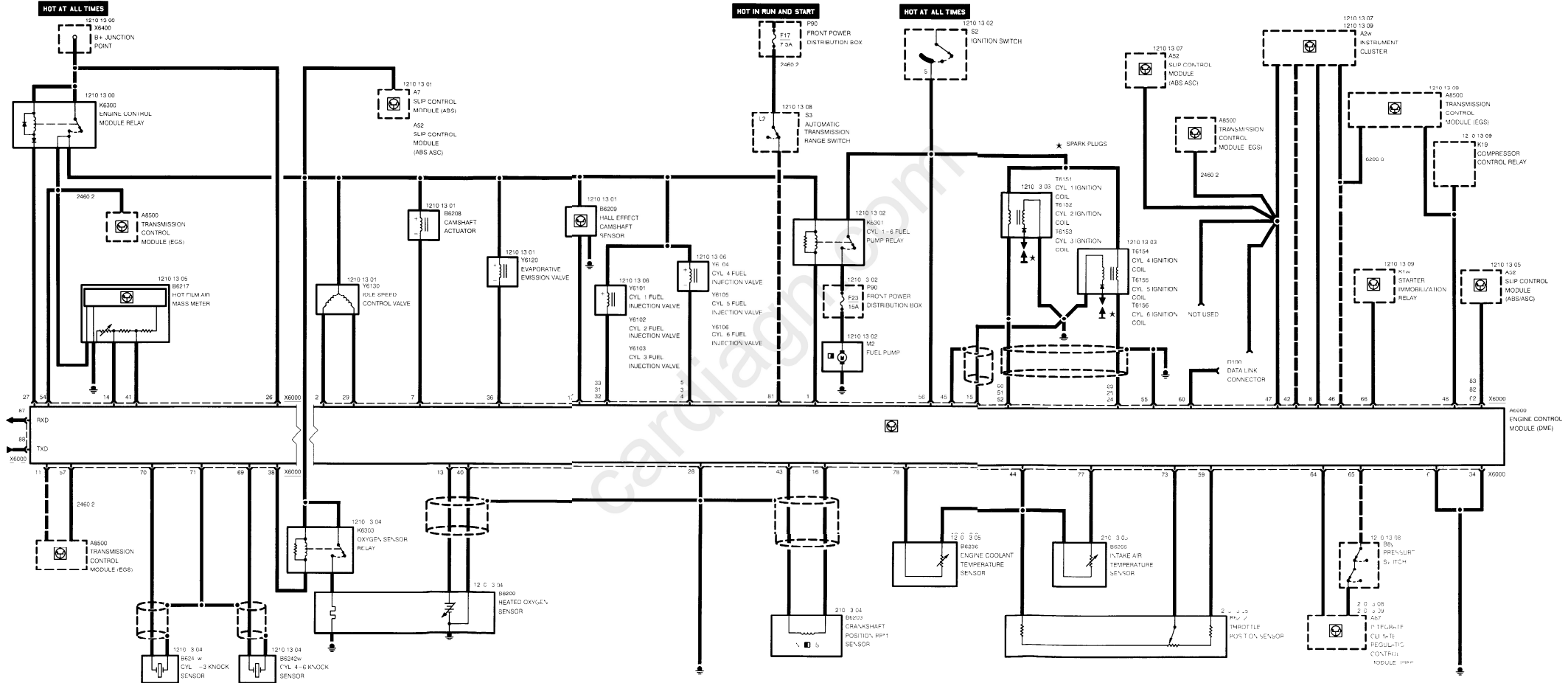
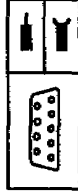




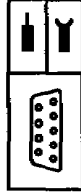


Pin Assignments

X6000

Pin	Type	Description/Function	Connection
1	A	Fuel pump relay control	Fuel pump relay, terminal 85
2	A	Idle speed control valve – close winding control	Idle speed control valve
3	A	Cyl. 5 fuel injection valve control	Cyl. 5 fuel injection valve
4	A	Cyl. 6 fuel injection valve control	Cyl. 6 fuel injection valve
5	A	Cyl. 4 fuel injection valve control	Cyl. 4 fuel injection valve
6	M	Ground, fuel injection valve output stages	Ground point
7	A	Camshaft actuator control	Camshaft actuator
8	A	"Check engine" indicator	Instrument cluster
9		Not used	
10		Not used	
11	A	Throttle valve position	Transmission control module (EGS)
12		Not used	
13	E	Oxygen sensor signal	Heated oxygen sensor
14	A	Hot film air mass meter	Hot film air mass meter
15	M	Ground	Ground point
16	E	Crankshaft RPM sensor + signal	Crankshaft RPM sensor
17	E	Crankshaft position sensor	Hall effect camshaft sensor
18		Not used	
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23	A	Cyl. 4 ignition coil control	Cyl. 4 ignition coil
24	A	Cyl. 6 ignition coil control	Cyl. 6 ignition coil
25	A	Cyl. 5 ignition coil control	Cyl. 5 ignition coil
26	E	Terminal 30 voltage supply	B + junction point
27	A	Engine control module relay control	Engine control module relay
28	M	Ground for electronics and shielding of sensors	Ground point

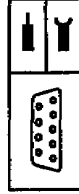
E = Input, A = Output, M = Ground



Pin Assignments

Pin	Type	Description/Function	Connection
29	A	Idle speed control valve – opening winding control	Idle speed control valve
30		Not used	
31	A	Cyl. 3 fuel injection valve control	Cyl. 3 fuel injection valve
32	A	Cyl. 2 fuel injection valve control	Cyl. 2 fuel injection valve
33	A	Cyl. 1 fuel injection valve control	Cyl. 1 fuel injection valve
34	M	Ground, remaining output stages (except for ignition and fuel injection valves)	Ground point
35		Not used	
36	A	Evaporation emission valve control	Evaporative emission valve
37		Not used	
38	A	Oxygen sensor, heater control	Oxygen sensor relay
39		Not used	
40	M	Oxygen sensor signal ground	Heated oxygen sensor
41	E	Hot film air mass meter	Hot film air mass meter
42	E	Vehicle speed signal TD	Instrument cluster
43	E	Crankshaft RPM sensor – signal	Crankshaft RPM sensor
44	A	Ground for sensors	Engine intake air temperature sensor, engine coolant temperature sensor, and throttle position sensor
45	A	Ground	Shield Ignition
46	A	ti measurement signal (fuel consumption)	Instrument cluster
47	A	Crankshaft RPM speed signal TD	Instrument cluster
48	A	A/C compressor control	Compressor control relay
49		Not used	
50	A	Cyl. 1 ignition coil control	Cyl. 1 ignition coil
51	A	Cyl. 2 ignition coil control	Cyl. 2 ignition coil
52	A	Cyl. 3 ignition coil control	Cyl. 3 ignition coil
53		Not used	
54	E	Battery volt. from eng. control module relay	Engine control module relay
55	M	Ground, ignition	Ground point
56	E	Ignition switch, terminal 15	Ignition switch
57	E	Ignition timing intervention	Transmission control module (EGS)

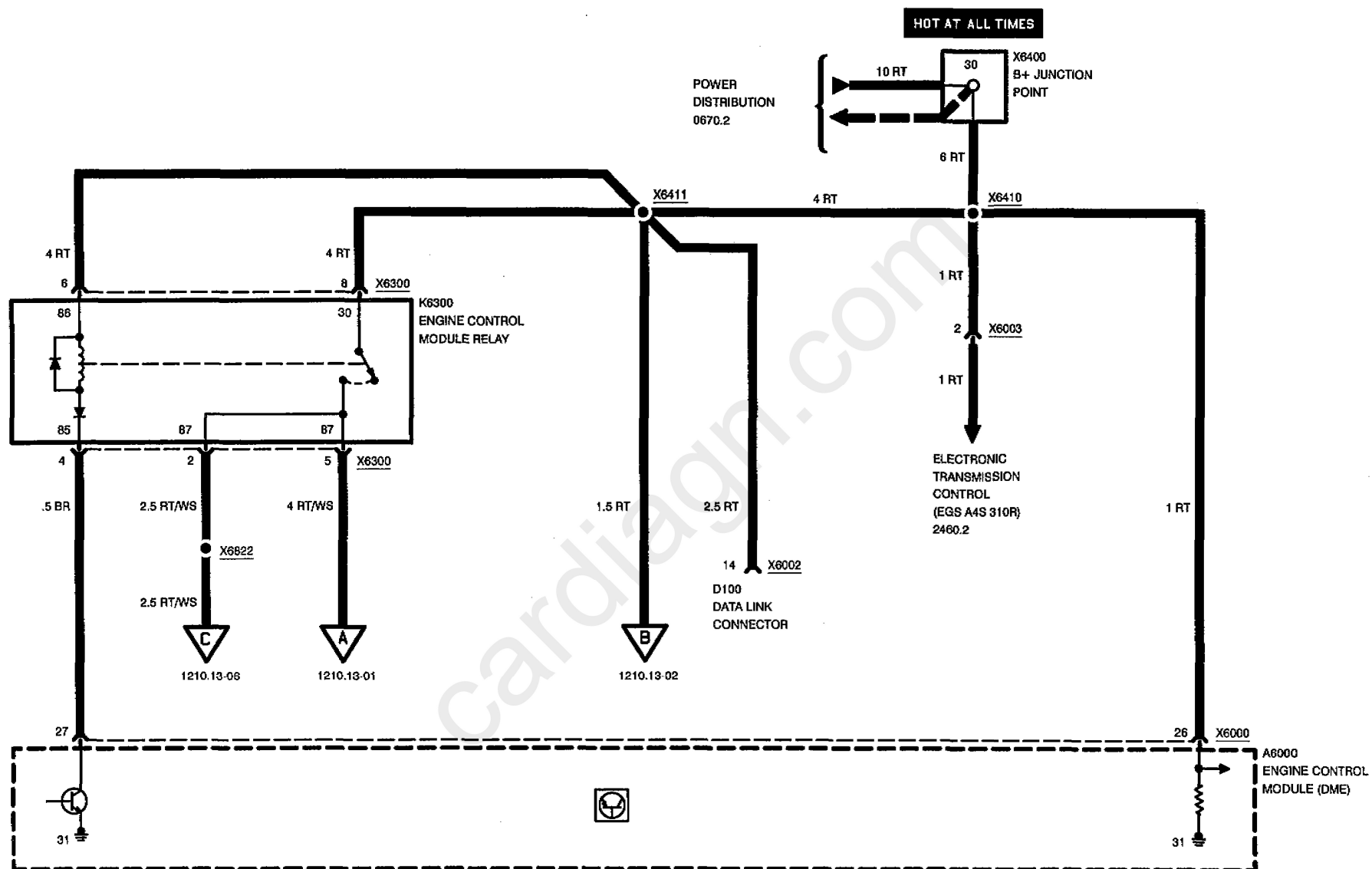
E = Input, A = Output, M = Ground



Pin Assignments

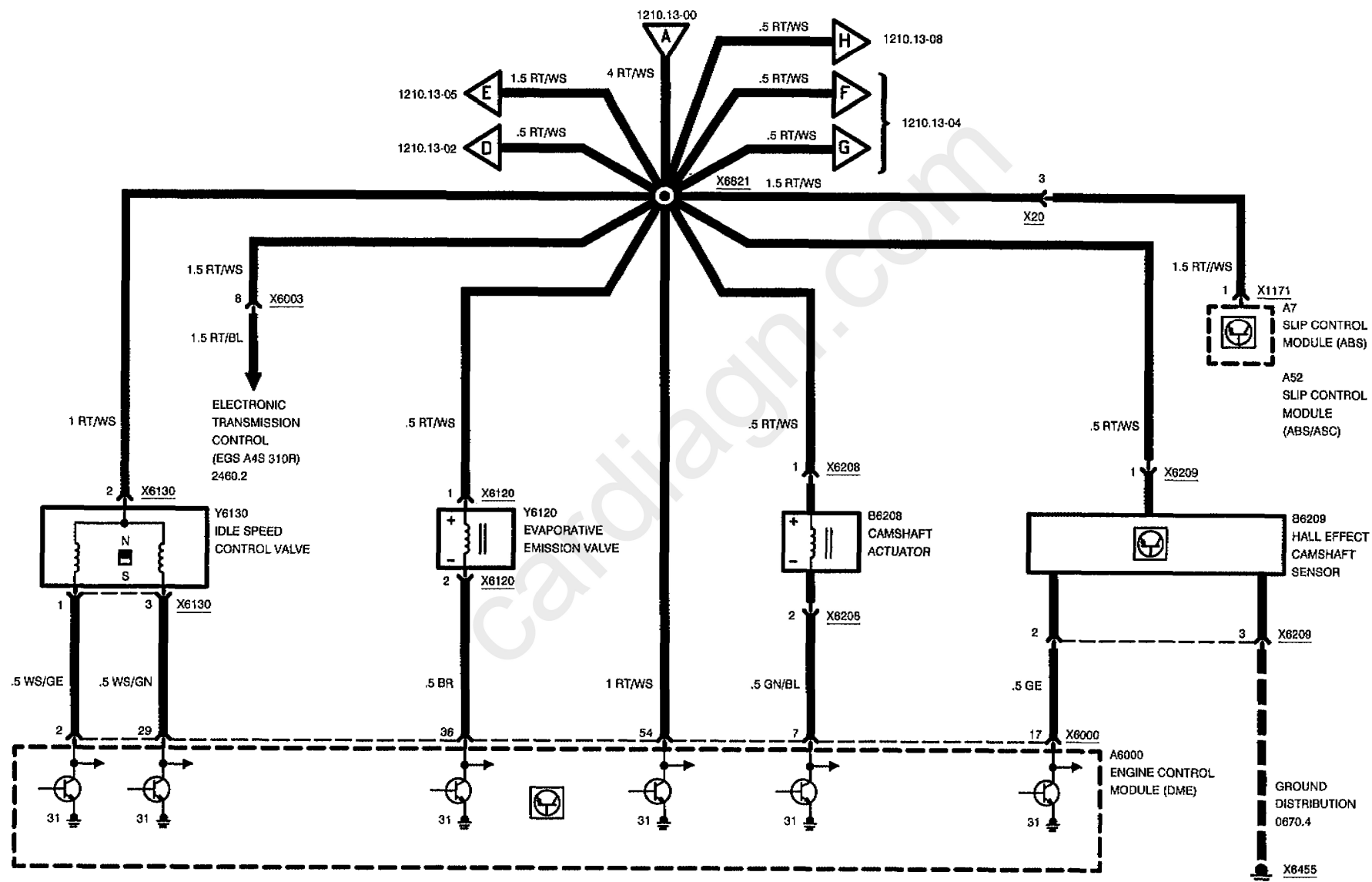
Pin	Type	Description/Function	Connection
58		Not used	
59	A	5V Component supply	Throttle position sensor
60	E	Programming voltage	Data link connector
61		Not used	
62	A	Throttle valve angle position signal	Slip control module (ABS/ASC+T)
63		Not used	
64	E	Compressor signal	Integrated climate regulation control module
65	E	A/C Pressure signal	Pressure switch
66	E	Drive-away protection signal (code)	Starter immobilization relay
67		Not used	
68		Not used	
69	E	Cyl. 4-6 knock sensor	Cyl. 4-6 knock sensor
70	E	Cyl. 1-3 knock sensor	Cyl. 1-3 knock sensor
71	M	Ground for knock sensors and shield	Cyl. 1-3 knock sensor, Cyl. 4-6 knock sensor and shields
72		Not used	
73	E	Throttle position	Throttle position sensor
74		Not used	
75		Not used	
76		Not used	
77	E	Engine intake air temperature	Engine intake air temperature sensor
78	E	Engine coolant temperature	Engine coolant temperature sensor
79		Not used	
80		Not used	
81	E	Drive range P/N	Transmission range switch
82	E	Throttle valve angle reduction	Slip control module (ABS/ASC+T)
83	E	Throttle valve angle increase	Slip control module (ABS/ASC+T)
84		Not used	
85		Not used	
86		Not used	
87	E	RxD diagnostic data line	Data link connector
88	E/A	TxD diagnostic data line	Data link connector

E = Input, A = Output, M = Ground





ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)



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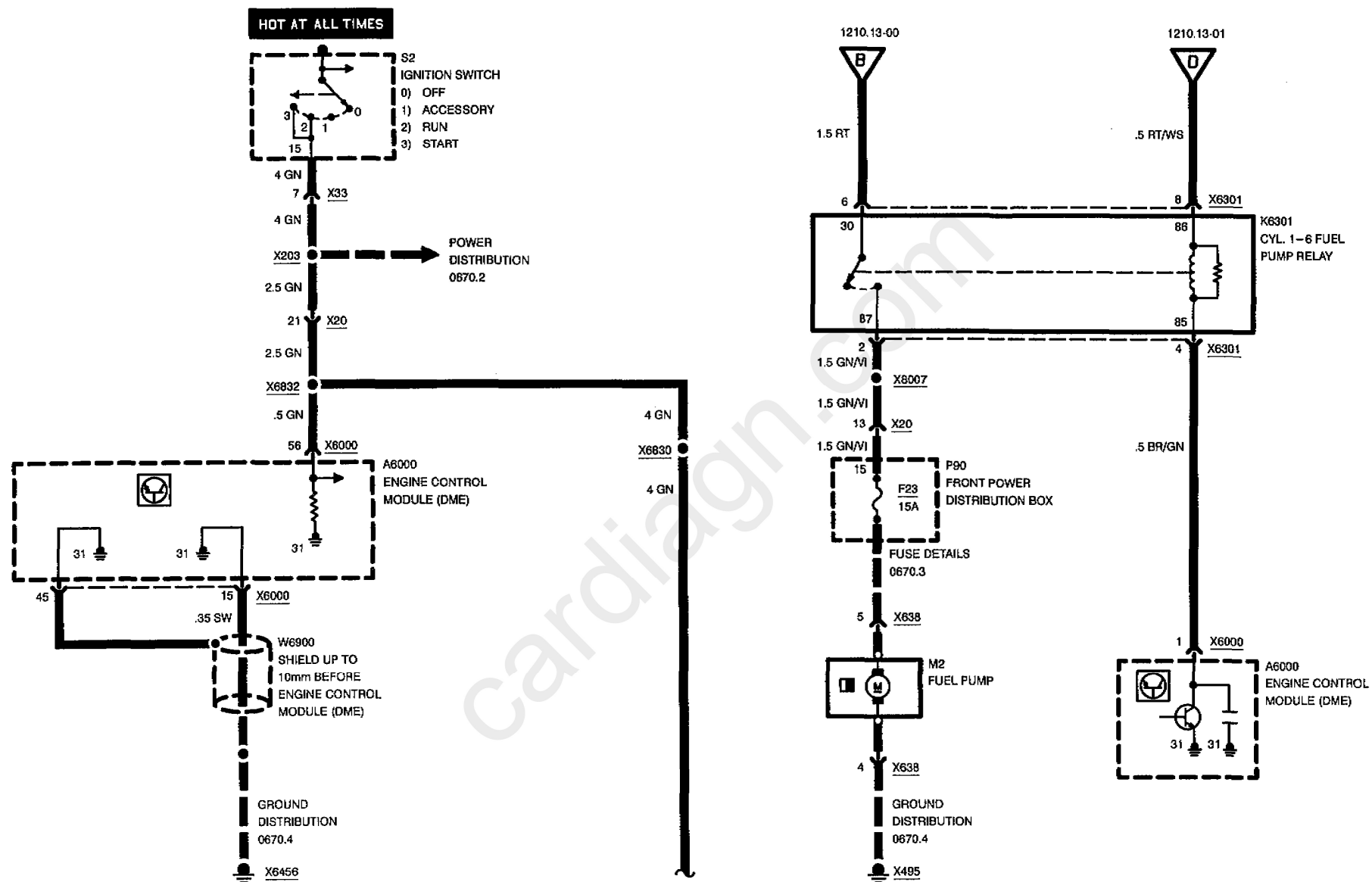
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ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

FUEL PUMP

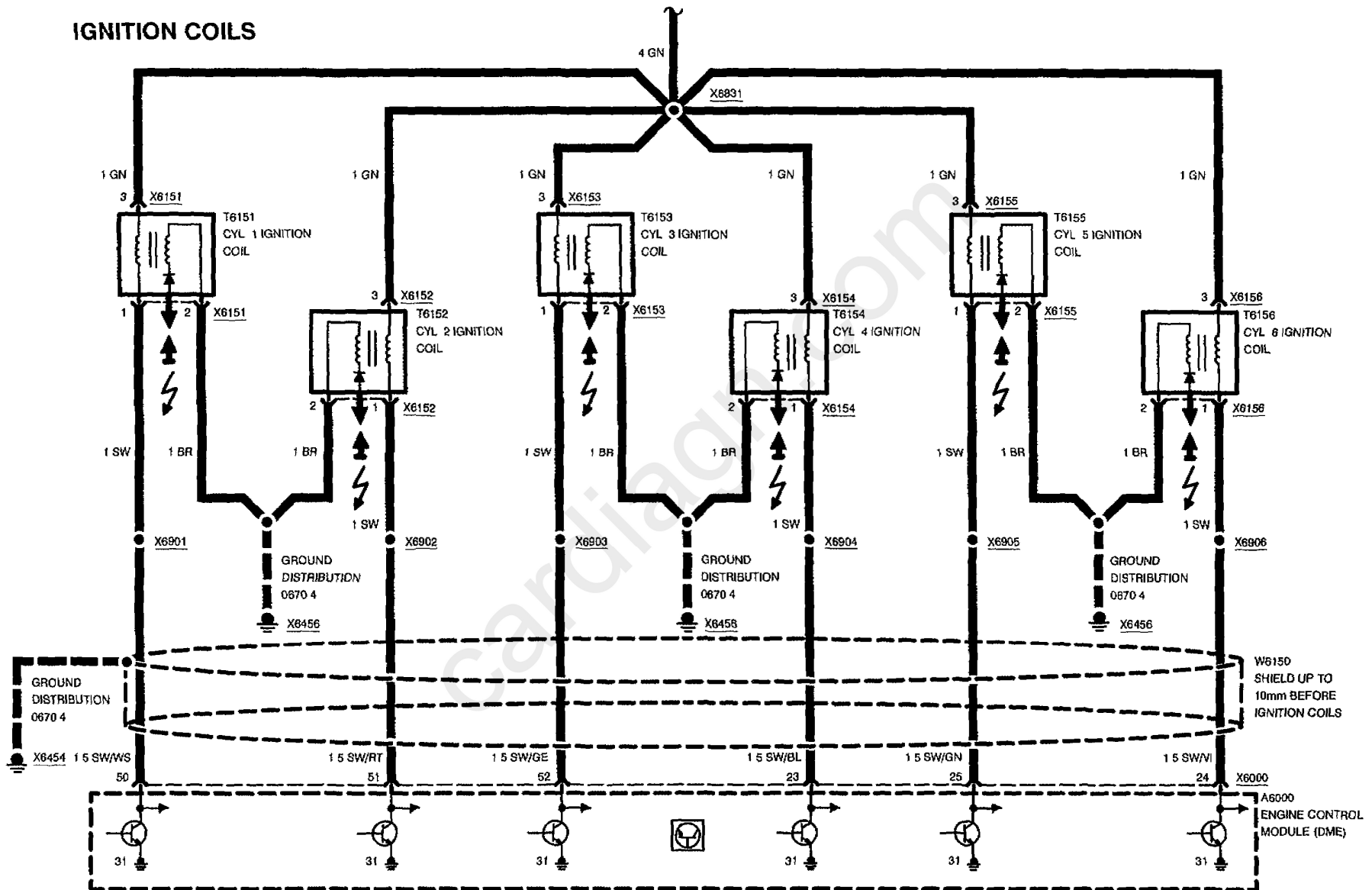


IGNITION COILS

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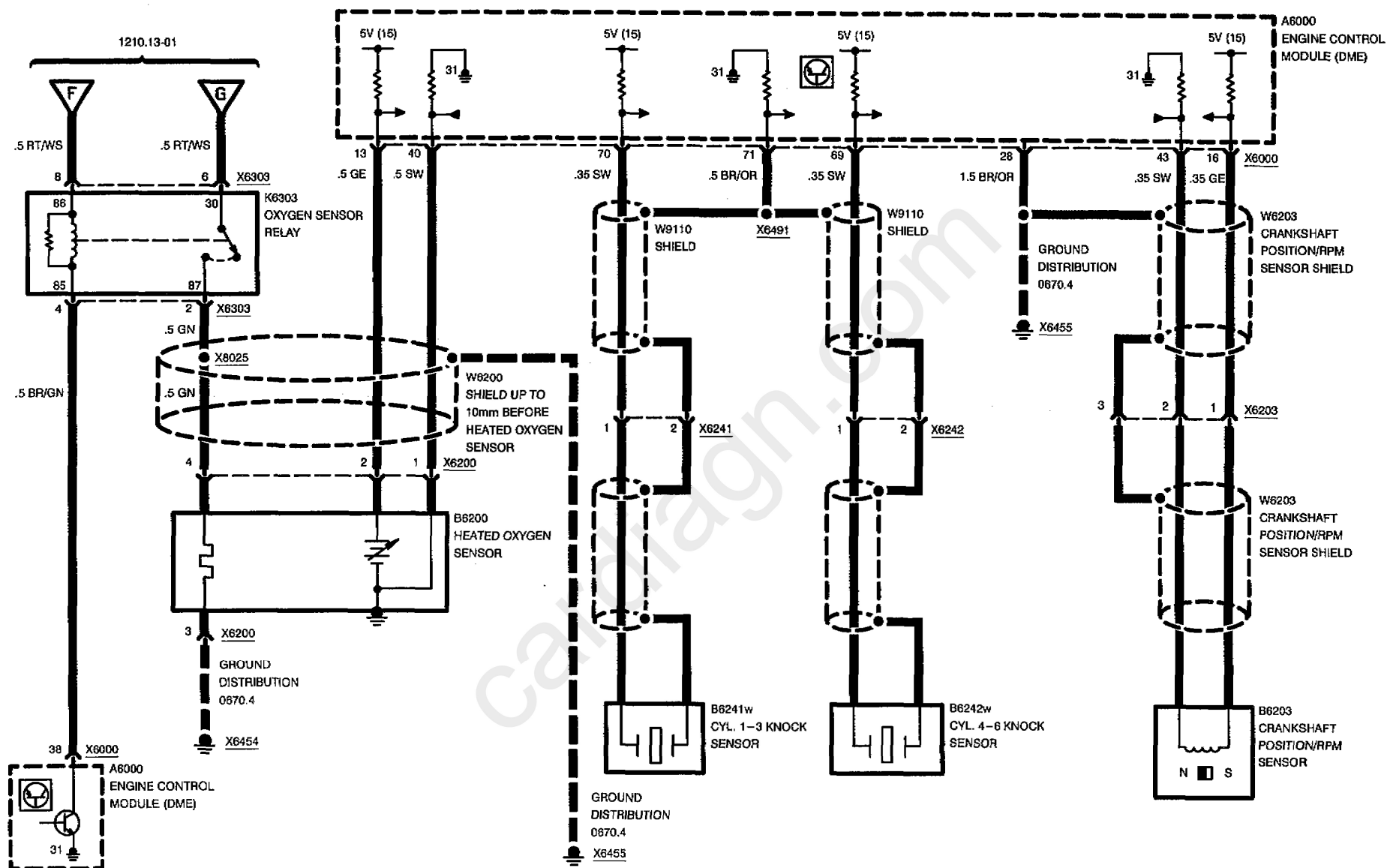
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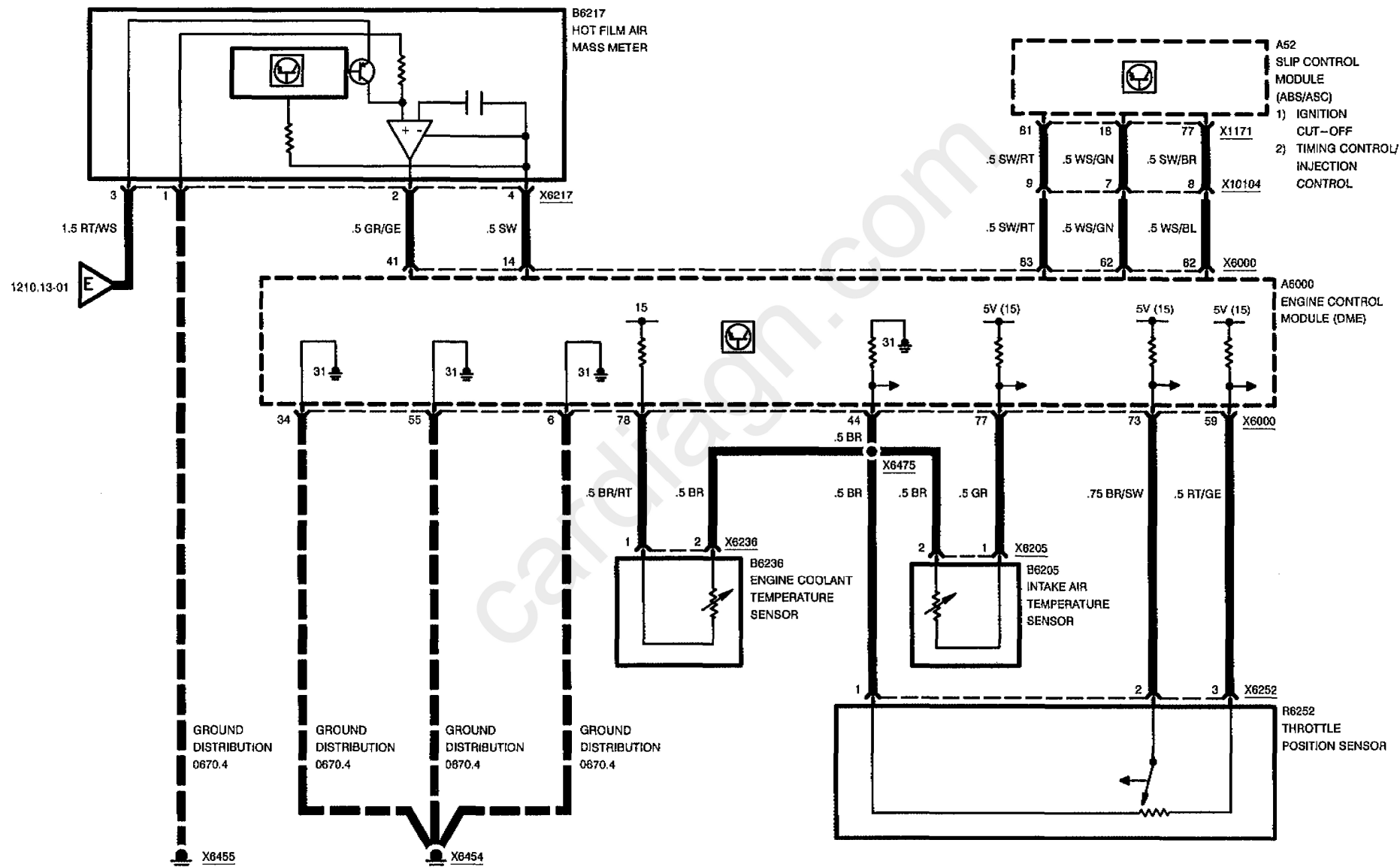
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

SENSORS





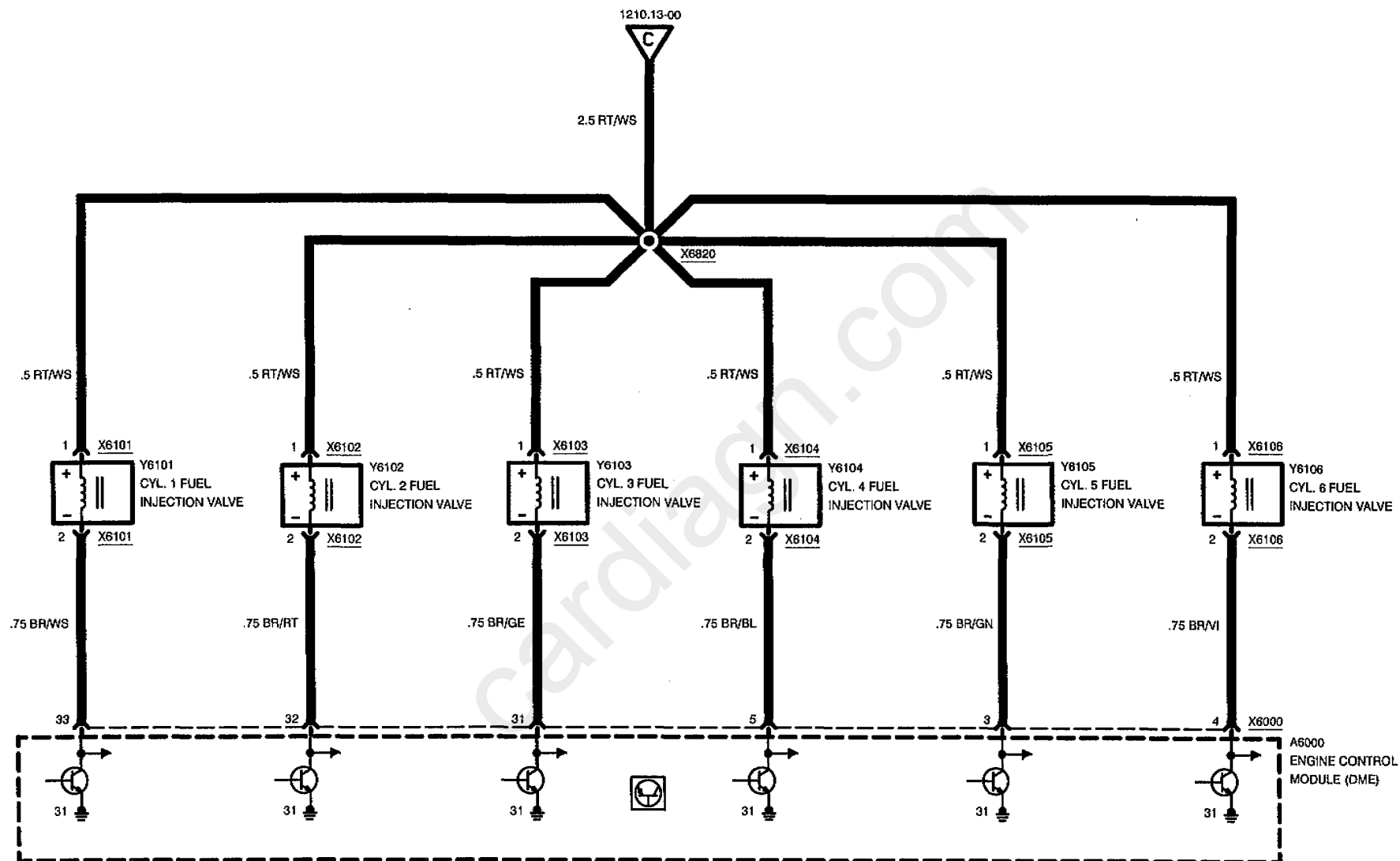
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)





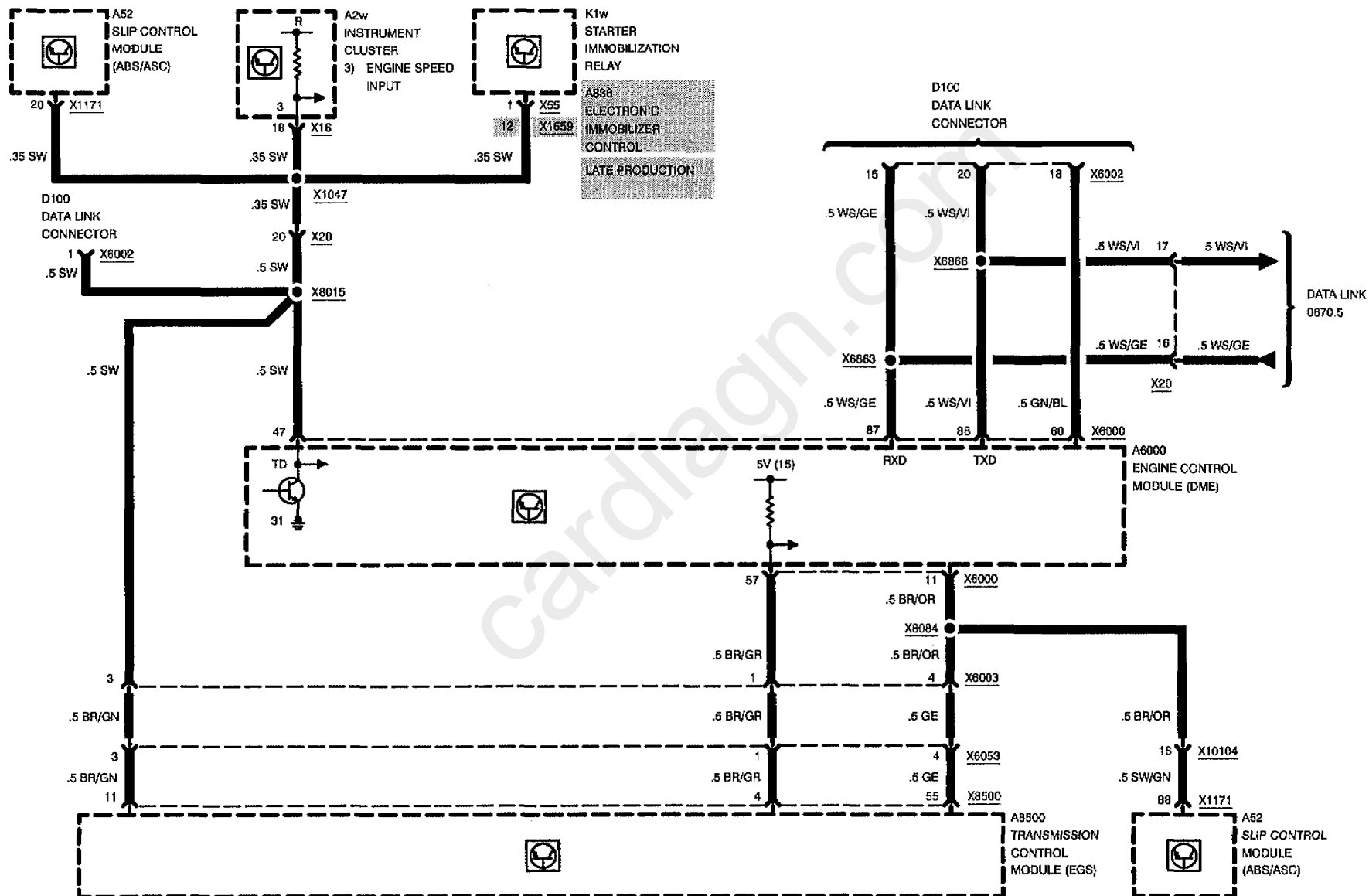
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

FUEL INJECTION VALVES





ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)



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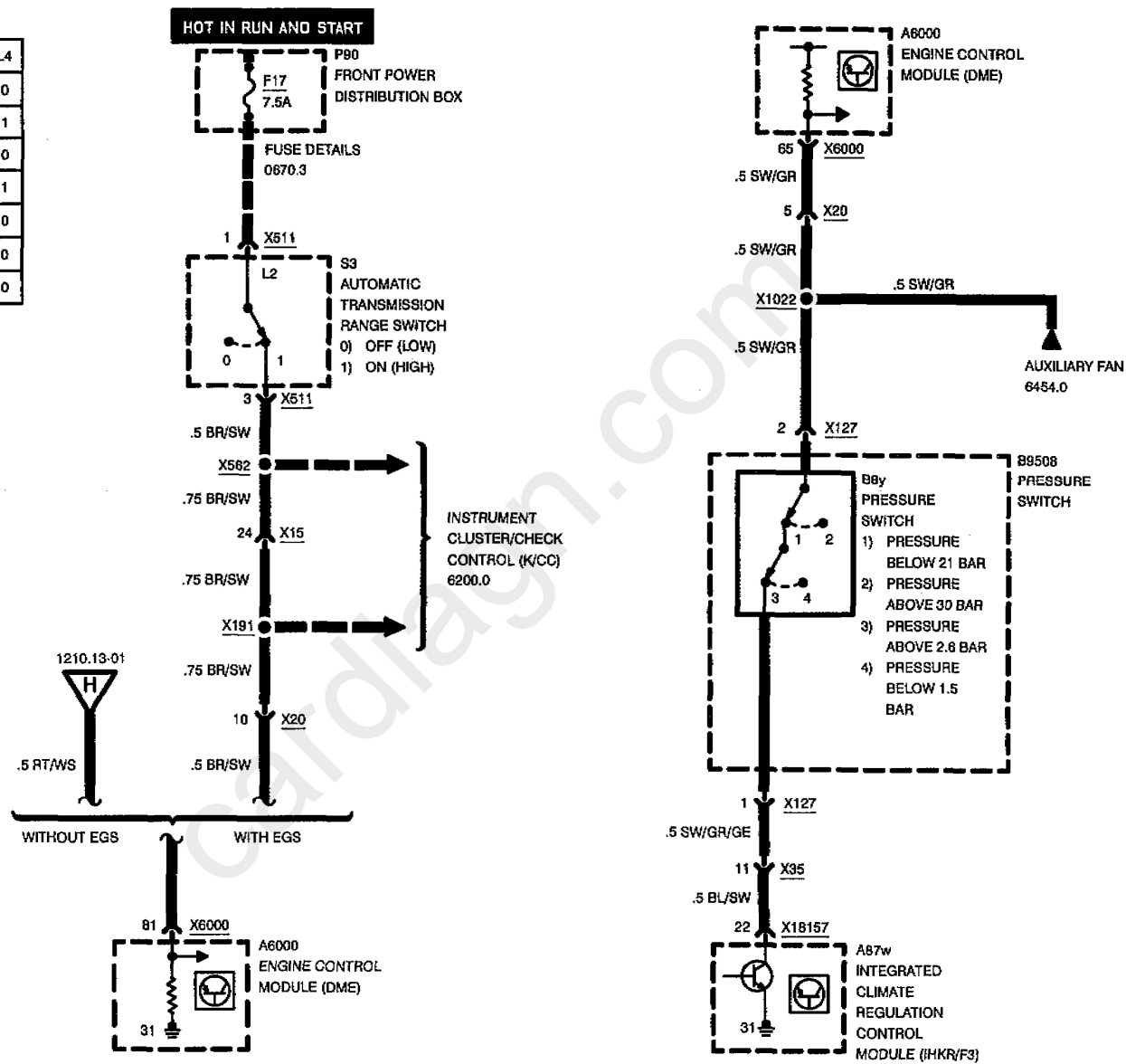
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ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

	L1	L2	L3	L4
P	1	1	0	0
R	1	0	0	1
N	0	1	1	0
D	0	0	0	1
3	0	0	1	0
2	1	0	0	0
1	1	0	1	0



ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

