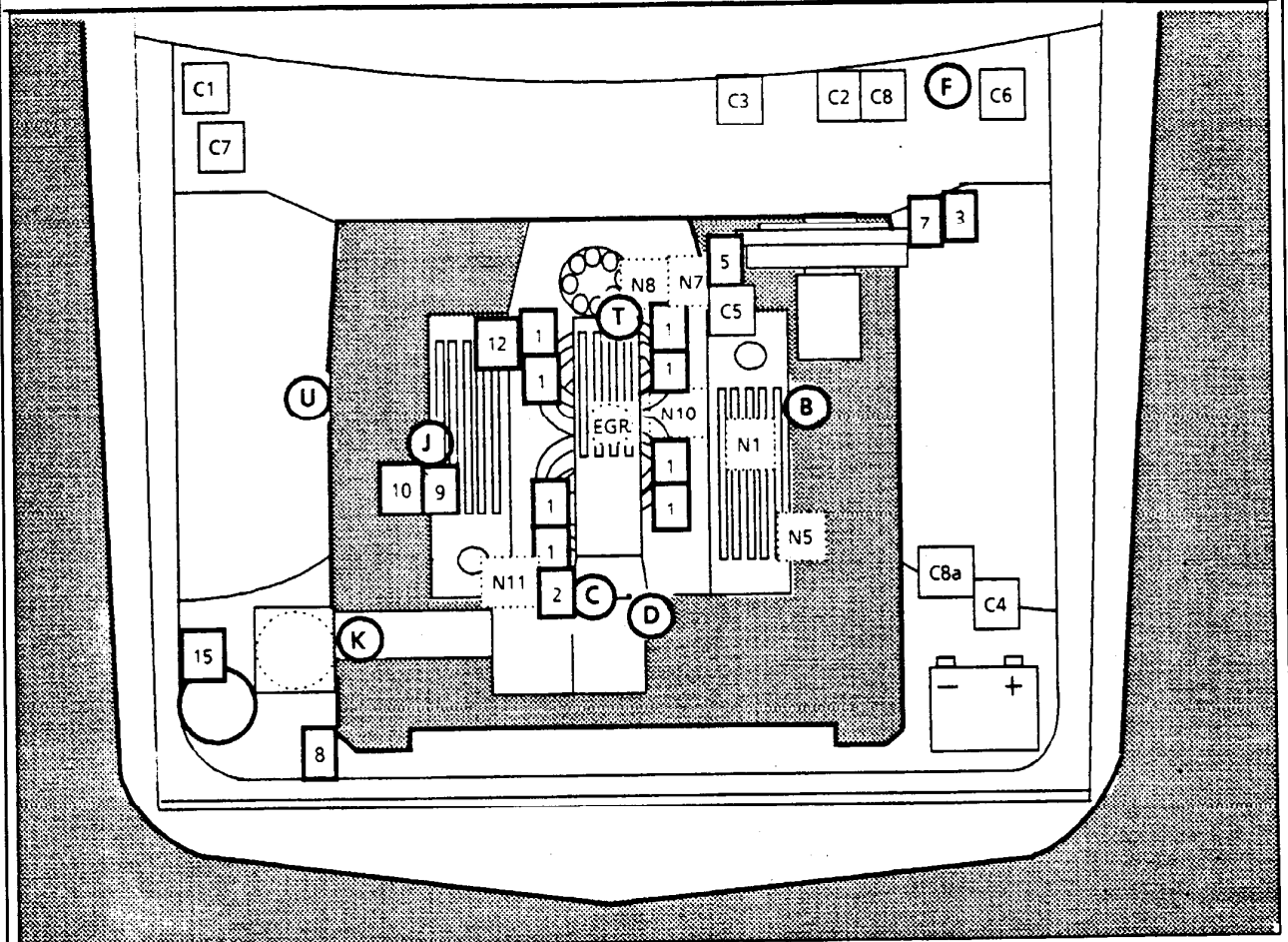


'F' SERIES

RPO:LB9

VIN CODE:F

5.0L V8 PFI



COMPUTER HARNESS

- C1 Electronic Control Module (ECM)
- C2 ALCL connector (Data Access)
- C3 "CHECK ENGINE" light
- C4 ECM power
- C5 ECM harness ground
- C6 Fuse panel
- C7 Burn off module
- C8 Fuel pump test connector (ALCL "G")
- C8a Fuel pump/ECM fuse

CONTROLLED DEVICES

- 1 Fuel injector
- 2 Idle air control motor
- 3 Fuel pump relay
- 5 Trans. Converter Clutch connector
- 7 Electronic spark control (ESC) module
- 8 Engine fan relay
- 9 Air control (port) solenoid
- 10 Air switching (cat. conv.) solenoid
- 12 Exh. Gas Recirc. vacuum solenoid
- 15 Fuel vapor canister solenoid

INFORMATION SENSORS

- B Exhaust oxygen
- C Throttle position
- D Coolant temperature
- F Vehicle speed
- J Detonation (ESC)
- K Mass Air Flow
- T Manifold Air Temperature
- U A/C pressure fan switch

NOT ECM CONNECTED

- N1 Crankcase vent (PCV)
- N5 Engine temp. sensor (gage.overheat)
- N7 Oil pressure sensor (gage)
- N8 Oil pressure switch (fuel pump)
- N10 Cold start valve
- N11 Cold start thermal time switch

6-23-84

*552132-6E

Figure 51 V-8 Component Locations - 5.0L

6E3-58 DRIVEABILITY AND EMISSIONS — FUEL INJECTION (PORT)

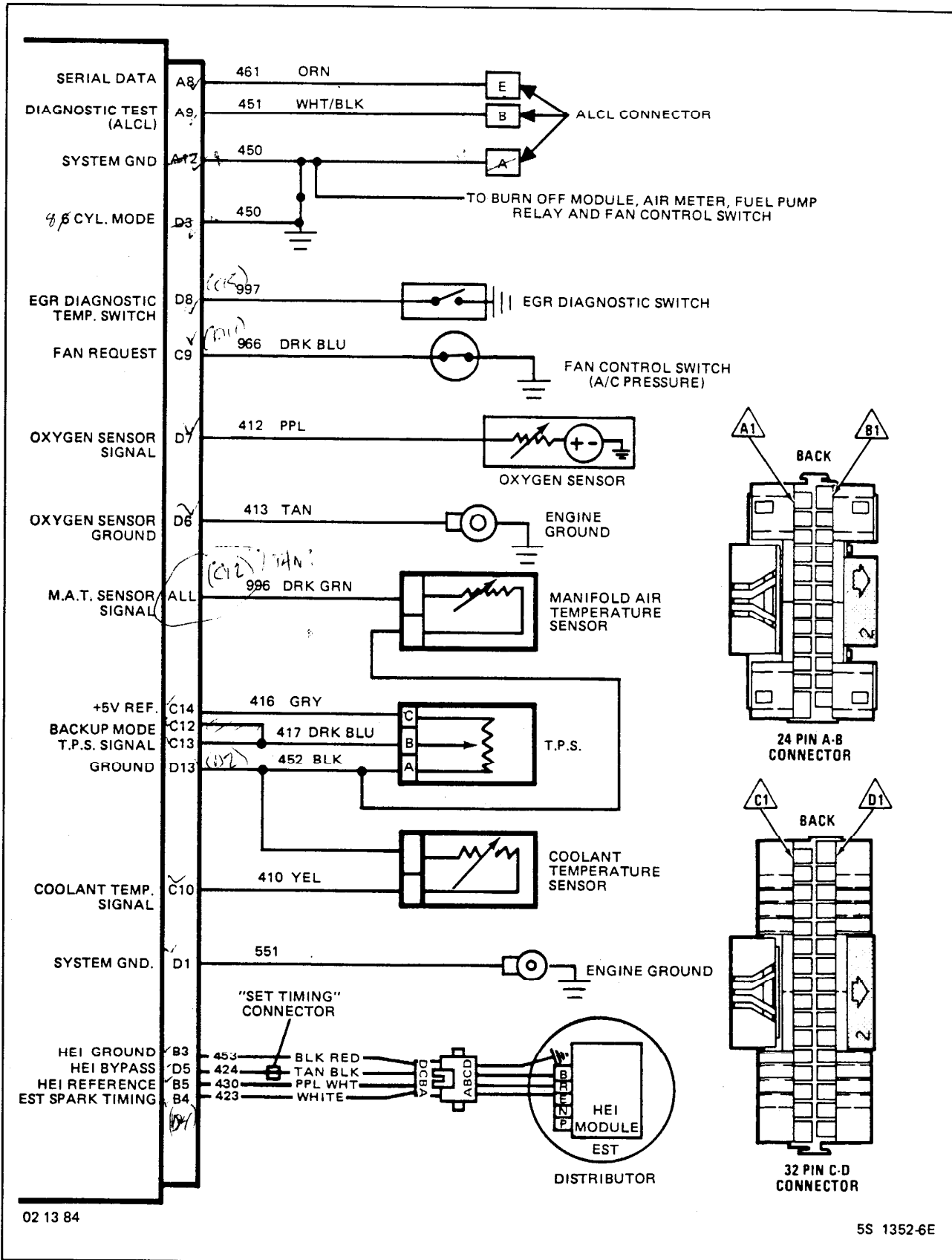


Figure 52 ECM Wiring Diagram - 5.0L (1 of 4)

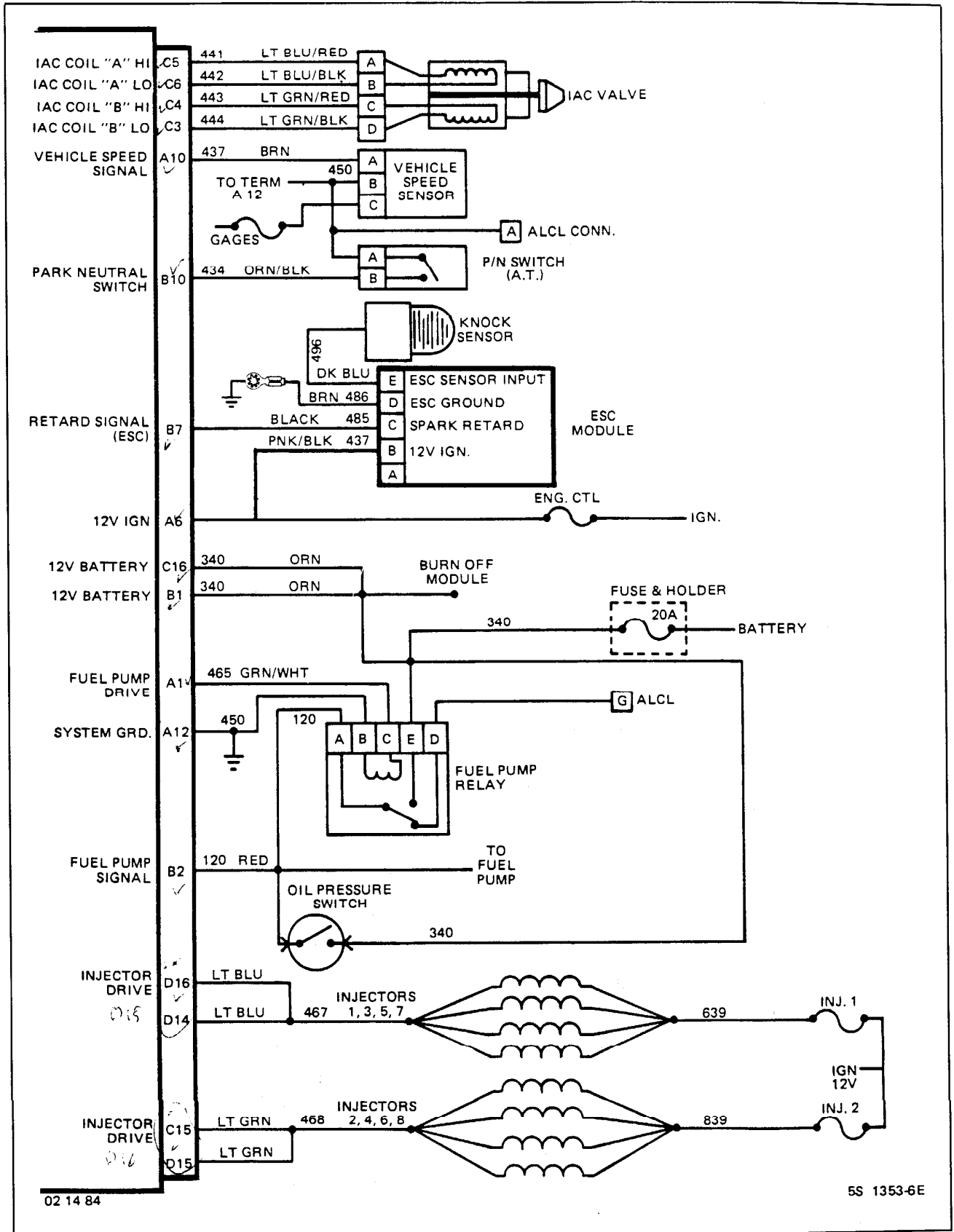
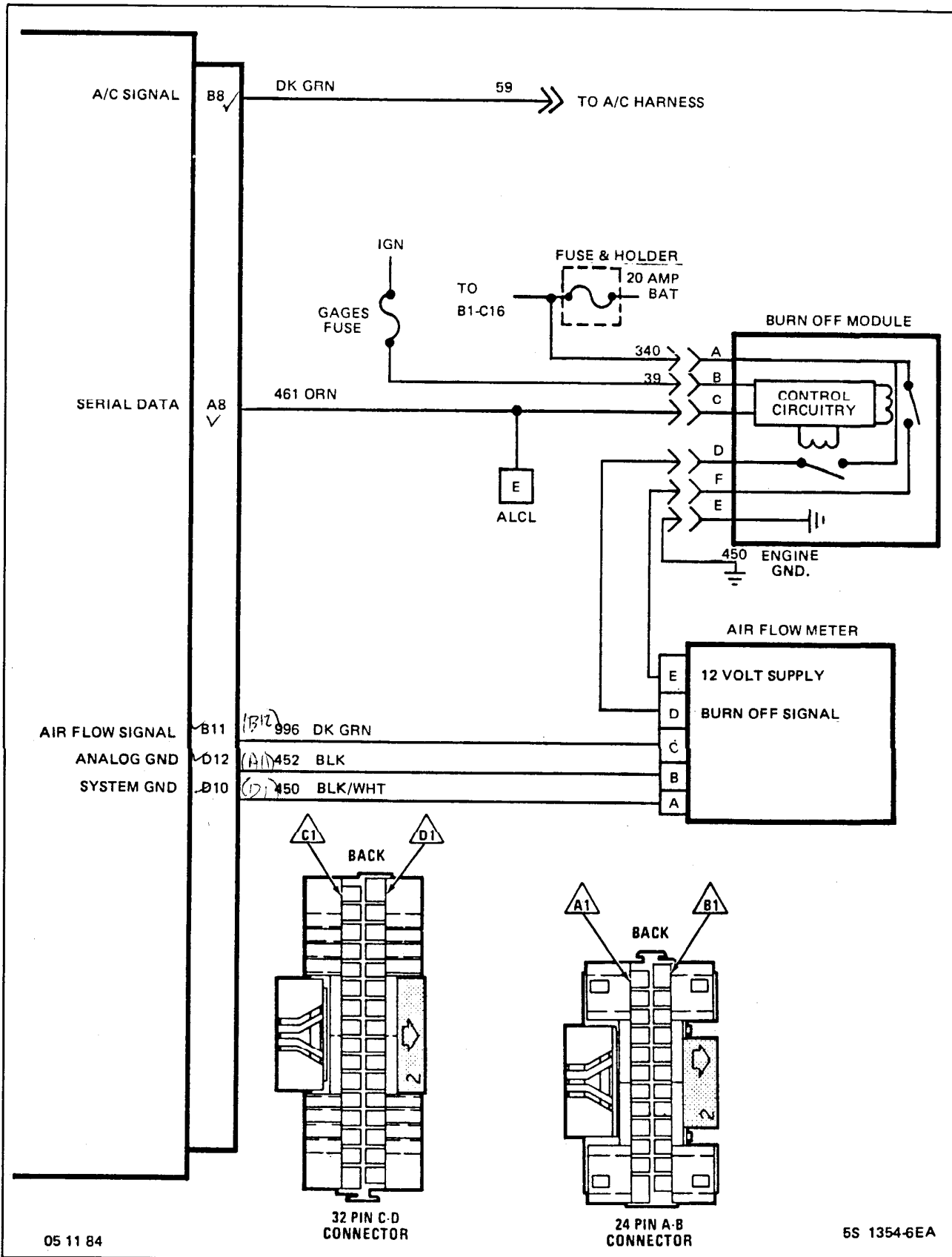


Figure 53 ECM Wiring Diagram - 5.0L (2 of 4)

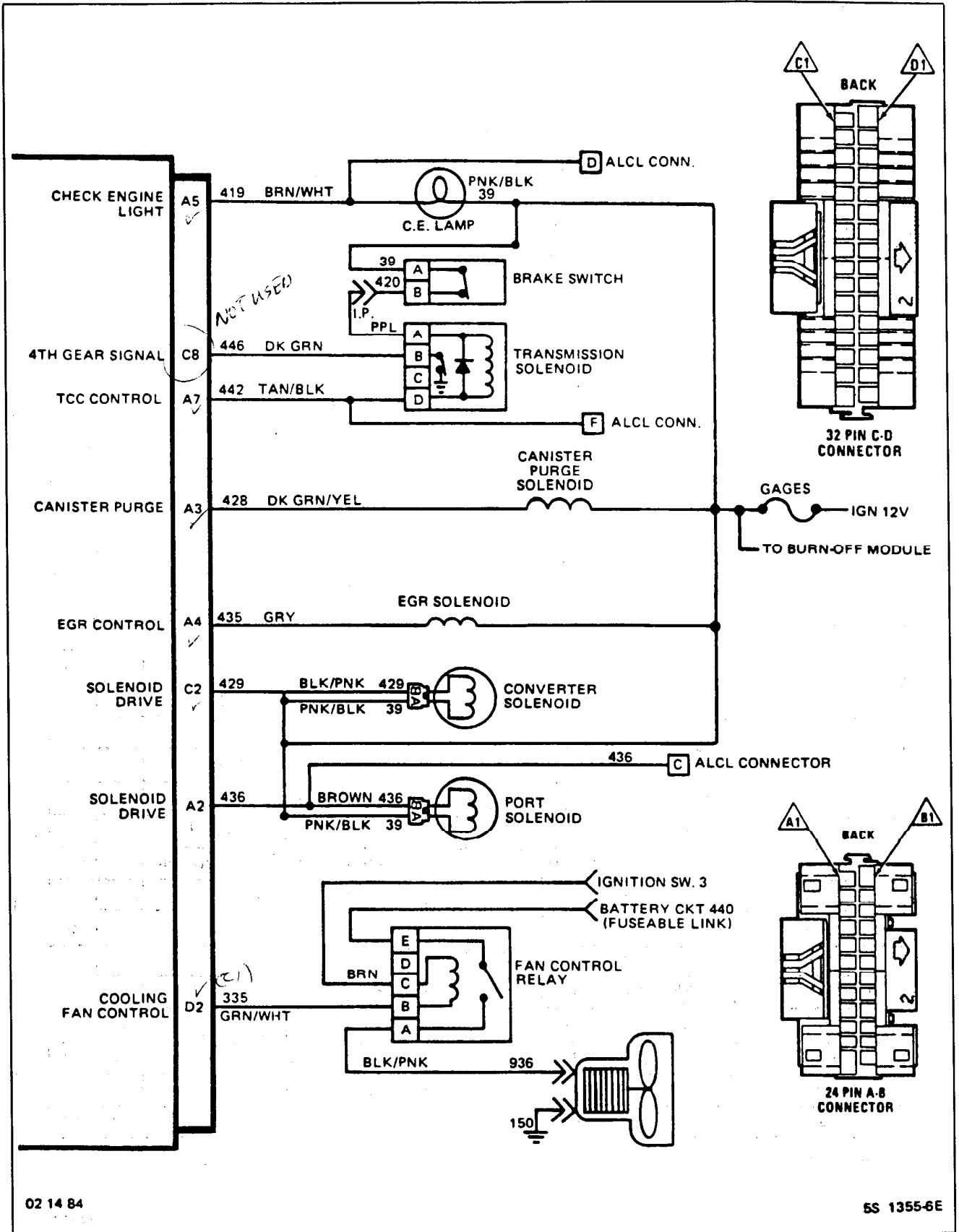
6E3-60 DRIVEABILITY AND EMISSIONS — FUEL INJECTION (PORT)



05 11 84

Figure 54 ECM Wiring Diagram - 5.0L (3 of 4)

6S 1354-6EA



02 14 84

6S 1355-6E

Figure 55 ECM Wiring Diagram - 5.0L (4 of 4)

FUEL INJECTION ECM CONNECTOR IDENTIFICATION

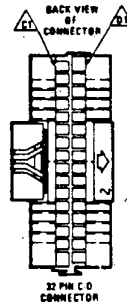
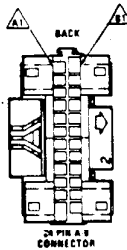
THIS ECM VOLTAGE CHART IS FOR USE WITH A DIGITAL VOLTMETER TO FURTHER AID IN DIAGNOSIS. THE VOLTAGES YOU GET MAY VARY DUE TO LOW BATTERY CHARGE OR OTHER REASONS, BUT THEY SHOULD BE VERY CLOSE.

THE FOLLOWING CONDITIONS MUST BE MET BEFORE TESTING:

- ENGINE AT OPERATING TEMPERATURE • ENGINE IDLING IN CLOSED LOOP (FOR "ENGINE RUN" COLUMN) •
- TEST TERMINAL NOT GROUNDED • ALCL TOOL NOT INSTALLED •

VOLTAGE

KEY "ON"	ENG. RUN	CIRCUIT	PIN	WIRE COLOR
④ 0	13.8	FUEL PUMP RELAY	A1	DK GRN/WHT
12	13.8	PORT SOLENOID	A2	BRN
12	0	CANISTER PURGE CONTROL	A3	DK GRN/YEL
12	0	EGR CONTROL	A4	GRA
0	13.8	"CHECK ENGINE" CONTROL	A5	BRN/WHT
12	13.8	IGN.—ECM FUSE	A6	PNK/BLK
12	13.8	TCC CONTROL	A7	TAN/BLK
2-5	2-5	SERIAL DATA	A8	ORN
5	5	DIAG. TERM.	A9	BLK/WHT
①		SPEED SENSOR SIGNAL	A10	BRN
③		MAT	A11	TAN
0	0	GRN'D	A12	BLK/WHT
		NOT USED	C1	
12	0	CONVERTER SOLENOID	C2	BLK/PNK
		IAC-B-LO	C3	LT GRN/BLK
NOT USABLE		IAC-B-HI	C4	LT GRN/WHT
		IAC-A-HI	C5	LT BLU/WHT
		IAC-A-LO	C6	LT BLU/BLK
		NOT USED	C7	
0	0	4TH GEAR SIGNAL	C8	DK GRN
0	0	FAN REQUEST	C9	
② 1.6	1.6	COOLANT TEMP. SIGNAL	C10	YEL
		NOT USED	C11	
.54 ± .075		BACK UP MODE TPS	C12	DK BLU
.54 ± .075		TPS SIGNAL	C13	DK BLU
5	5	TPS 5V REF	C14	GRA
12	13.8	"B" INJ. 2, 4, 6, 8	C15	LT GRN
12	13.8	BATT. 12 VOLTS	C16	ORN



VOLTAGE

WIRE COLOR	PIN	CIRCUIT	KEY "ON"	ENG. RUN
ORN	B1	BATT. 12 VOLTS	12	13.8
LT BLU	B2	FUEL PUMP SIGNAL	0	13.8 ④
BLK/RED	B3	EST REF LOW	0	0
WHT	B4	EST CONTROL	0	1.4
PPL/WHT	B5	EST REF HI	0	1.4
	B6	NOT USED		
BLK	B7	ESC SIGNAL	9.2	9.3
DK GRN	B8	A/C SIGNAL	0	0
	B9	NOT USED		
ORN/BLK	B10	PARK/NEUTRAL SW. SIGNAL	12	12
DK GRN	B11	MAF	0	.80
OPEN	B12	4 CYL. MODE		
BLK/WHT	D1	GRN'D.	0	0
DK GRN/WHT	D2	COOLING FAN CONTROL	12	13.8
BLK/WHT	D3	CYL. SELECT. 8 CYL. (GRN'D)	0	0
	D4	NOT USED		
TAN/BLK	D5	EST BYPASS	0	4.6
TAN	D6	GRN'D. (O ₂)	0	0
PPL	D7	O ₂ SENSOR SIGNAL		③
DK GRN	D8	EGR DIAG. SWITCH	12	13.8
	D9	NOT USED		
BLK/WHT	D10	MAF GND	0	0
	D11	NOT USED		
BLK	D12	MAF GRD (ANALOG)	0	0
BLK	D13	COOLANT TPS, MAT. SENSOR GRD.	0	0
LT BLU	D14	INJ. 1, 3, 5, 7	12	13.8
LT GRN	D15	INJ. 2, 4, 6, 8	12	13.8
LT BLU	D16	INJ. 1, 3, 5, 7, "A"	12	13.8

1 Varies from .60 to battery voltage depending on position of drive wheels.

2 Normal operating temperature.

3 Varies.

4 12V First two seconds.

ENGINE 5.0L LB9

CARLINE F

Figure 56 ECM Connector Terminal End View (5.0L)