

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

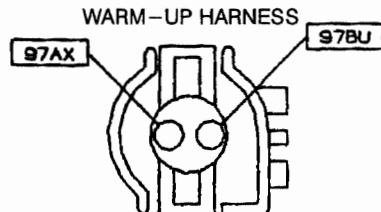
Section 3.6

Page 1

CONNECTOR PIN OUTS AND END VIEWS

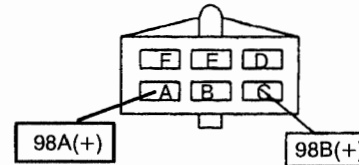
AMBIENT AIR TEMP SENSOR CONNECTOR (398)
ATA DIAGNOSTIC & PROGRAMMING CONNECTOR (384)
ATA NEGATIVE BUS, BLUE CONNECTOR (428)
ATA POSITIVE BUS, RED CONNECTOR (427)
12 WAY HARNESS CONNECTOR (435)

AMBIENT AIR TEMP SENSOR (398)



CONNECTOR-1689462C1
CONNECTOR LOCK-1689463C1
TERMINAL-1689464C1

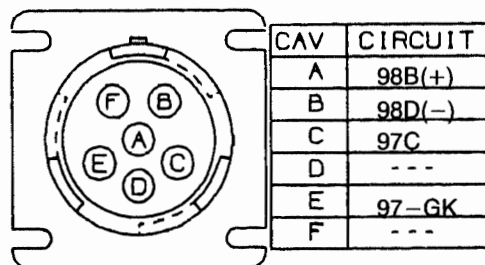
RED ATA POSITIVE BUS (427)



CONNECTOR-892136C1
TERMINAL (14,16AWG)-333733C1
TERMINAL (12AWG)-333734C1
TERMINAL (10AWG)-1660578C1
TERMINAL (12+14AWG)-333735C1
TERMINAL (16+16AWG)-333736C1

LOCATION: BEHIND CENTER I/P ACCESS PLATE

DATA LINK (384)



LOCATION: LH KICK PANEL

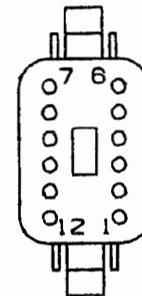
12-WAY HARNESS CONNECTOR (435)

(1689500C1 CONN.

1689428C1 LOCK

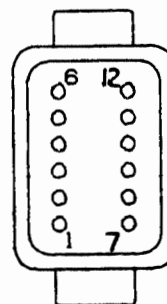
1680205C1 TERM.)

CONNECTOR-1689427C1
CONNECTOR LOCK-1689428C1
TERMINAL-1651968C1



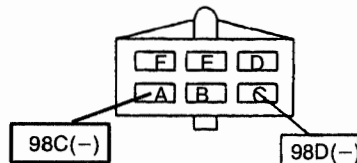
LOCATED BEHIND LH I/P

CONNECTOR-1689498C1
CONNECTOR LOCK-1689501C1
TERMINAL-1680206C1
PLUG-453133C1



CAV	CIR
1	98A(+)
2	98C(-)
3	---
4	---
5	97-GE
6	97-GF
7	97E
8	97B
9	97AT
10	97AS
11	97AR
12	97D

BLUE ATA NEGATIVE BUS (428)



CONNECTOR-892136C1
TERMINAL (14,16AWG)-333733C1
TERMINAL (12AWG)-333734C1
TERMINAL (10AWG)-1660578C1
TERMINAL (12+14AWG)-333735C1
TERMINAL (16+16AWG)-333736C1

LOCATION: BEHIND CENTER I/P
ACCESS PLATE

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

CONNECTOR PIN OUTS AND END VIEWS

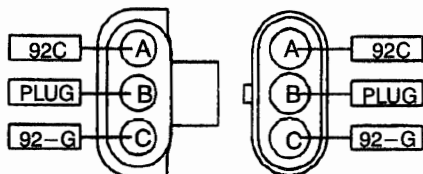
AUTOMATIC TRANSMISSION IN-LINE CONNECTOR (389)

AUTOMATIC TRANSMISSION IN-LINE CONNECTOR (402)

AUTOMATIC TRANSMISSION MODULATOR CONNECTOR (404)

AUTOMATIC TRANSMISSION MODULATOR SHIFT RELAY CONNECTOR (403)

AUTO XMSN
CONNECTOR
(389)

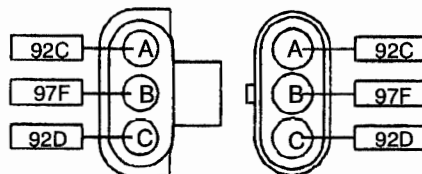


CONNECTOR-
587570C9I
TERMINAL-
587575C1
CABLE SEAL-
589391C1

CONNECTOR-
587589C9I
TERMINAL-
587577C1
CABLE SEAL-
589391C1

LOCATION: AT TRANSMISSION

XMSN CONNECTOR
(402)



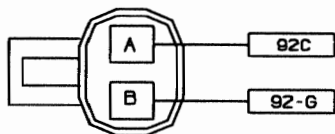
CONNECTOR-
587570C9I
TERMINAL-
587575C1
CABLE SEAL-
589391C1

CONNECTOR-
587589C9I
TERMINAL-
587577C1
CABLE SEAL-
589391C1

LOCATION: CENTER DASH PANEL

AUTOMATIC XMSN MODULATOR (404)

SHIFT SOLENOID XMSN JUMPER HARNESS

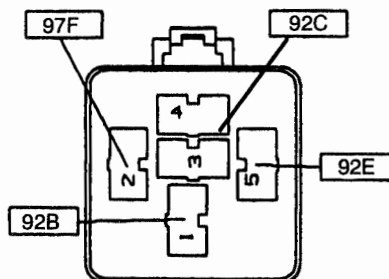


CONNECTOR-1671610C1
CONN LOCK-1671608C1

TERMINAL-1661377C1
CABLE SEAL-1652325C1

LOCATION: AT SHIFT SOLENOID

MODULATOR SHIFT
CONTROL RELAY (403)
HARNESS



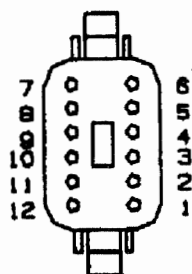
CONNECTOR-1661747C9I
TERMINAL-1661627C1

LOCATION: MOUNTED ON IDM BRACKET

CONNECTOR PIN OUTS AND END VIEWS

BODY BUILDER CONNECTOR (429)

(429)
REAR CAB
BODY BUILDER
CONN



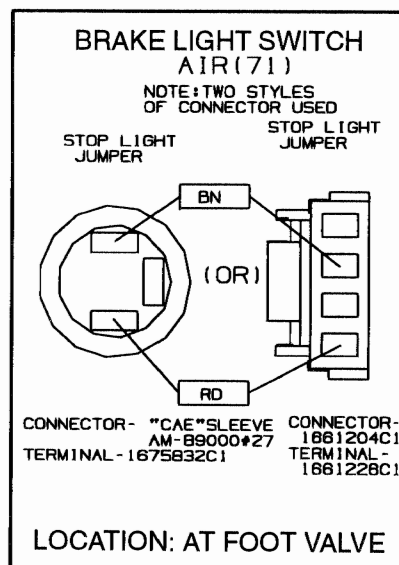
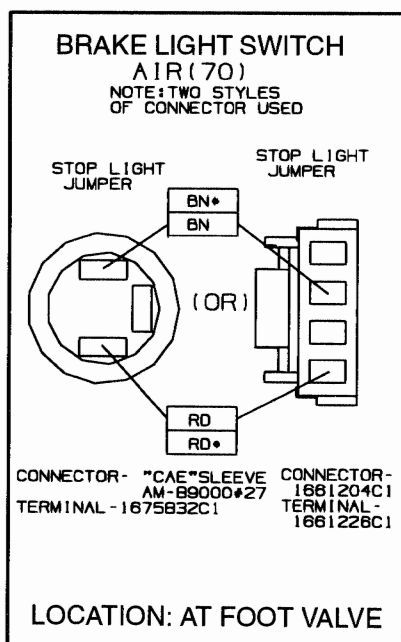
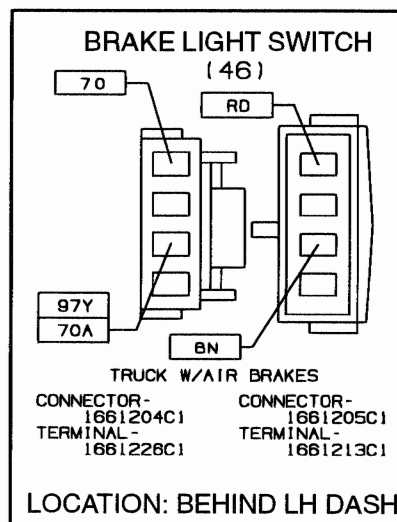
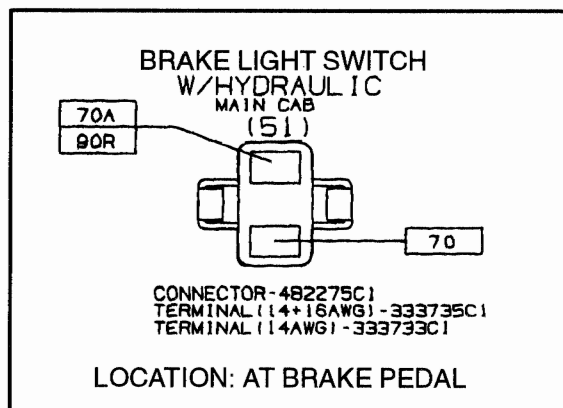
- 1 - 46D
- 2 -
- 3 - 46
- 4 - 46A
- 5 - 46B
- 6 - 97DF
- 7 - 97CC
- 8 - 97CB
- 9 -
- 10 - 97WA
- 11 - 99F
- 12 - 97DD

LOCATION: REAR OF CAB

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

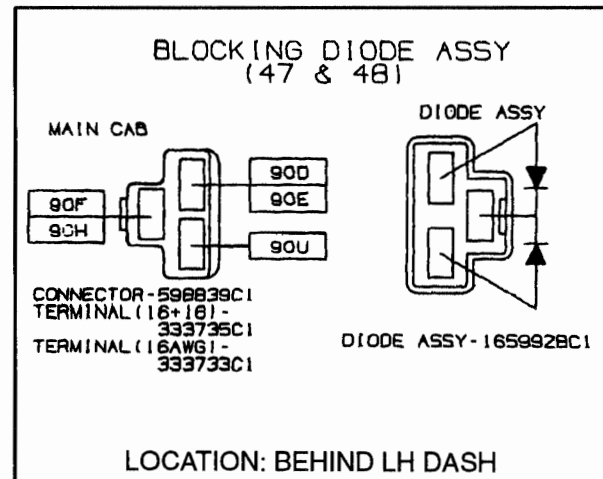
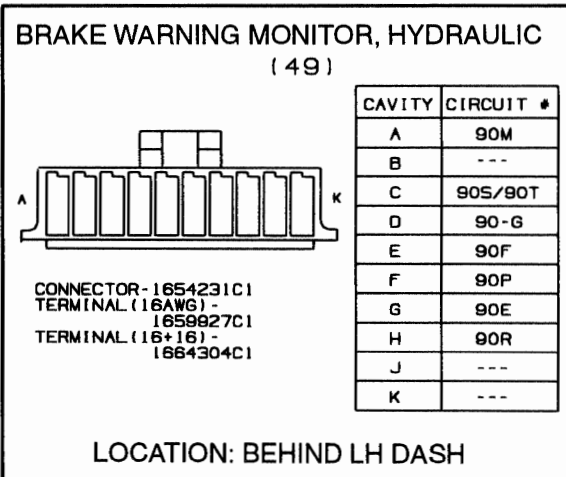
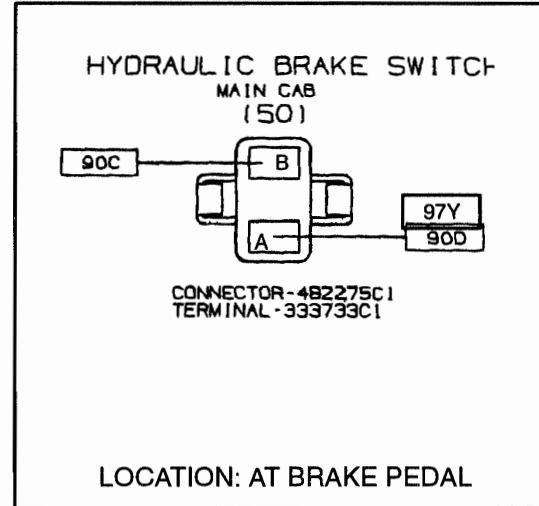
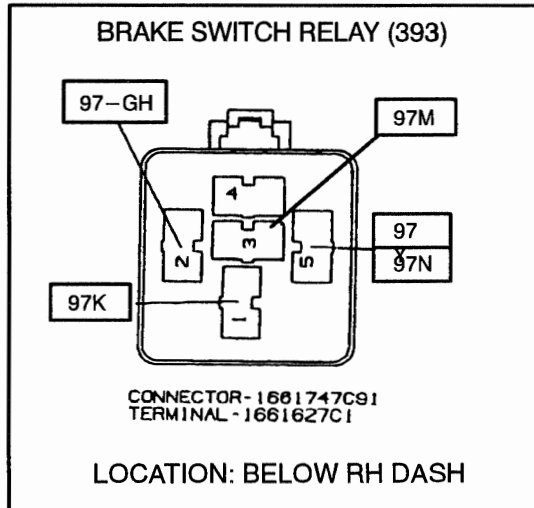
CONNECTOR PIN OUTS AND END VIEWS

BRAKE LIGHT SWITCH, HYDRAULIC CONNECTOR (51)
 BRAKE LIGHT SWITCH CONNECTOR (46)
 BRAKE LIGHT SWITCH AIR CONNECTOR (70)
 BRAKE LIGHT SWITCH AIR CONNECTOR (71)



CONNECTOR PIN OUTS AND END VIEWS

BRAKE SWITCH RELAY CONNECTOR (393)
BRAKE SWITCH HYDRAULIC CONNECTOR (50)
BRAKE WARNING MONITOR HYDRAULIC CONNECTOR (49)
BLOCKING DIODE ASSEMBLY (47)

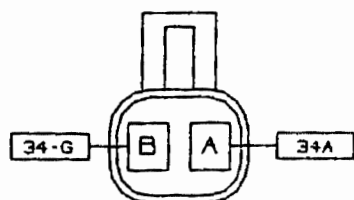


ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

CONNECTOR PIN OUTS AND END VIEWS

COOLANT HARNESS CONNECTOR (400)
 COOLANT LEVEL MODULE CONNECTOR (414)
 CRANK/START RELAY CONNECTOR (387)
 CRANK RELAY CONNECTOR (385)

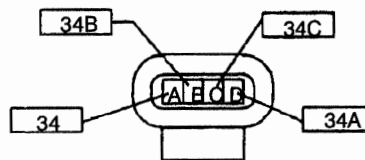
ECL PROBE CONNECTOR (400)



CONNECTOR - 1671610C1
 TERMINAL - 1661377C1
 CABLE SEAL - 1652325C1

LOCATION: LH FRT FRAME RAIL

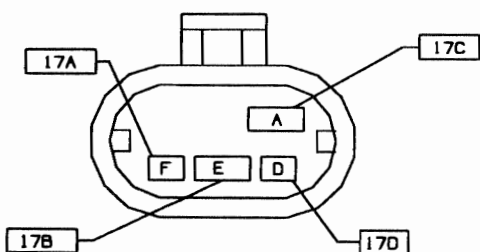
ECL MODULE (414)



CONNECTOR - 1663578C1
 TERMINAL - 1651943C1

LOCATION: LH DASH

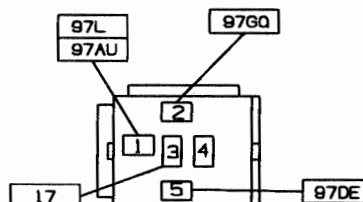
CRANK/START RELAY (387)



CONNECTOR - 2013314C1
 CONNECTOR LOCK - 2013315C1
 TERMINAL (CAVITY) A, E - 1667737C1
 TERMINAL (CAVITY) D, F - 1661377C1

LOCATION: LH REAR ENGINE
(PART OF ENGINE HARNESS)

CRANK RELAY (385)

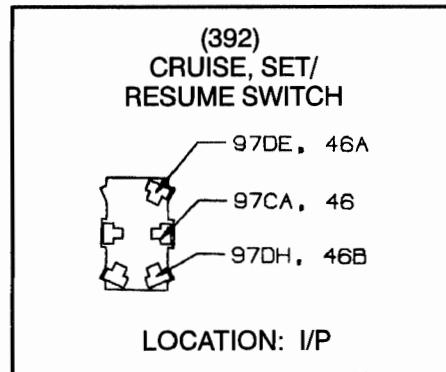
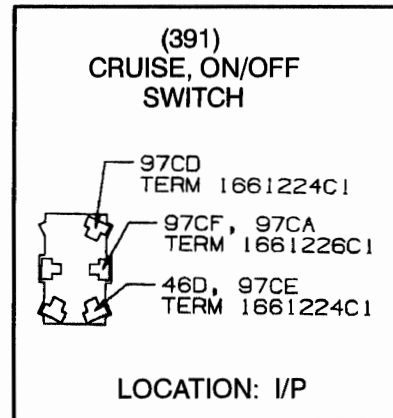
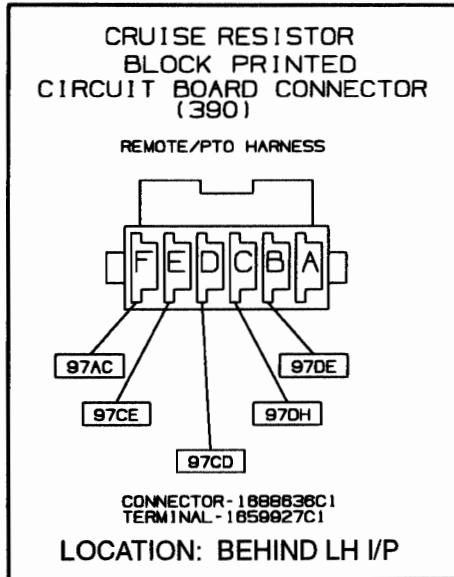


CONNECTOR - 593385C1
 CONNECTOR LOCK - 593387C1
 TERMINAL - (18AWG) - 1659673C1
 TERMINAL - (16, 14AWG) - 1661709C1

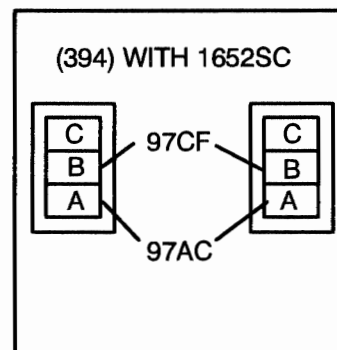
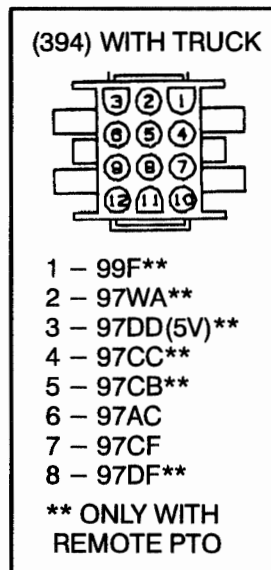
LOCATION: BEHIND CENTER I/P

CONNECTOR PIN OUTS AND END VIEWS

CRUISE RESISTOR BLOCK PRINTED CIRCUIT BOARD CONNECTOR (390)
 CRUISE ON/OFF SWITCH (391)
 CRUISE SET/RESUME SWITCH (392)
 CRUISE/PTO/THROTTLE CONNECTOR (394)



CRUISE/PTO/THROTTLE (CONN 394)



LOCATION: BEHIND LH I/P

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

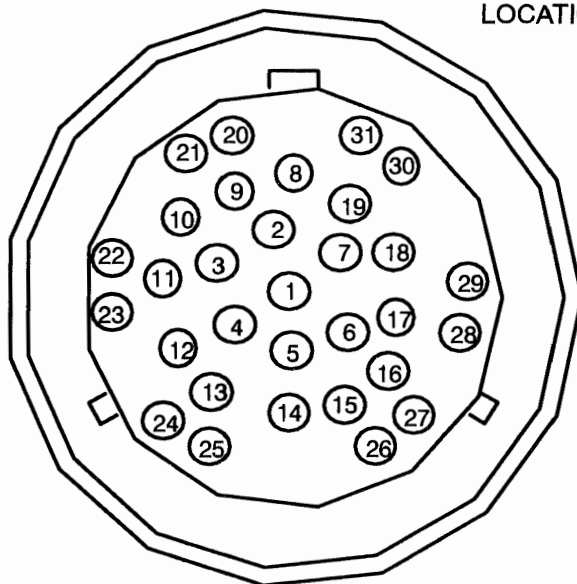
CONNECTOR PIN OUTS AND END VIEWS

DASH CONNECTOR, 31 PIN (THRU DASH) (3 & 3A)

CONNECTORS ARE VIEWED FROM MATING ENDS

31-PIN DASH CONNECTOR 3 & 3A

LOCATION: TOP OF ENGINE



(3) CAB HARNESS SIDE

CAV	CIR
1	97AT
2	99D
3	97E
4	97
5	97H
6	98
7	97M
8	97AS
9	99F*
10	PLUG
11	97N
12	97U(5V)
13	97CF
14	97T
15	97D
16	92D

(3A) DASH HARNESS SIDE

CIR
97AT
99D
97E
97
97H
98
97M
97AS
99F
PLUG
97N
99C(5V)
97CF
97T
97D
92D

(3) CAB HARNESS SIDE

CAV	CIR
17	97AC
18	PLUG
19	99B
20	97AF
21	97W
22	97CR
23	PLUG*
24	97CC*
25	97CB*
26	18-G
27	97CD
28	97DD(5V)*
29	97WA*
30	97A
31	92C

(3A) DASH HARNESS SIDE

CIR
97AC
PLUG
99B
97AF
97W
97CR
PLUG
97CC
97CB
18-G
97CB
97DD(5V)
97WA
97A
92C

* CIRCUIT NOT IN CAB HARNESS WITH
3800 & 4000 FBC MODELS

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

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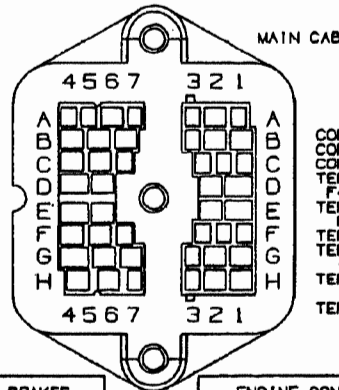
CONNECTOR PIN OUTS AND END VIEWS

DASH CONNECTOR (2) THRU DASH 4600/4600 LP TRUCK

CONNECTORS ARE VIEWED FROM MATING ENDS

4600/4600 LP TRUCK

DASH CONNECTOR
(2)



CONNECTOR-1881193C1
CONNECTOR LOCK-1881208C1
CONNECTOR LOCK-1881207C1
TERMINAL (CAVITY) A8, B1, B4, C4, C5
F4, F5, G5, G6, G7, H4, H5-1881218C1
TERMINAL (CAVITY) A4, A5, C1, C5, F1,
F2, F6, H6-1881208C1
TERMINAL (CAVITY) F3-1881211C1
TERMINAL (CAVITY) D1, E1, G4
-1881227C1
TERMINAL (CAVITY) B5, D2, E2-
1881218C1
TERMINAL (CAVITY) B6, D5
1881215C1

ENGINE CONNECTOR W/HYD BRAKES
(CAB SIDE)

CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4	90M	E4	19B
A5	90P	E5	
A6	90B	F4	92C
A7	90H	F5	
B4	47	F6	1
B5		G4	97AU
B6		G5	71A
B6	97P	G6	17A
C4	47A	H4	31
C5	71	H5	19A
C6		H6	19C
D4	77F		
D5	29A		

ENGINE CONNECTOR W/AIR BRAKES
(CAB SIDE)

CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4		E4	
A5		E5	
A6		F4	
A7		F5	
B4		F6	
B5		G4	
B6		G5	
B6		G6	
C4		H4	
C5		H5	
C6		H6	
D4			
D5			

FRONT END CONNECTOR (CAB SIDE)

CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A1		E1	52
A2			
A3		E2	56A
B1			
B2		F1	85C
B3		F2	
C1		F3	58D
C2		G1	
C3		G2	
D1	53	G3	
		H1	
D2	57A	H2	
		H3	

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

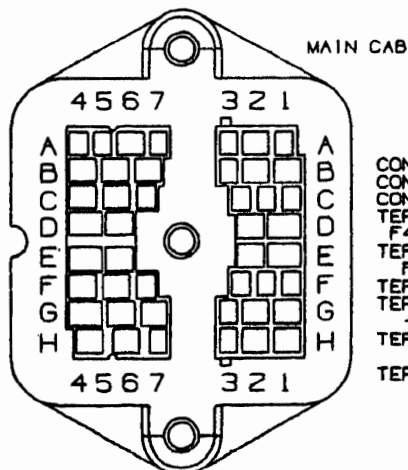
CONNECTOR PIN OUTS AND END VIEWS

DASH CONNECTOR (2) THRU DASH 3600, 4000 FBC TRUCK

CONNECTORS ARE VIEWED FROM MATING ENDS

3600, 4000 FBC
TRUCK

DASH CONNECTOR
(2)



CONNECTOR-1661193C1
CONNECTOR LOCK-1661208C1
CONNECTOR LOCK-1661207C1
TERMINAL (CAVITY) A6, B1, B4, C4, C5
F4, F5, G5, G6, G7, H4, H5-1661218C1
TERMINAL (CAVITY) A4, A5, C1, C8, F1,
F2, F8, H6-1661209C1
TERMINAL (CAVITY) F3-1661211C1
TERMINAL (CAVITY) D1, E1, G4
-1661227C1
TERMINAL (CAVITY) B5, D2, E2-
1661219C1
TERMINAL (CAVITY) B6, D5
1661215C1

ENGINE CONNECTOR W/HYD BRAKES (CAB SIDE)			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4	90M	E4	19B
A5	90P	E5	26A
A6	90B	F4	92C
A7	90H	F5	26
B4	47	F6	1
B5	36-G	G4	97AU
		G5	71A
B6	97P	G6	17A
C4	47A	H4	31
C5	71	H5	19A
C6	36	H6	19C
D4			
D5	29A		

ENGINE CONNECTOR W/AIR BRAKES (CAB SIDE)			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4	40	E4	19B
A5		E5	26A
A6		F4	92C
A7		F5	26
B4	47	F6	1
B5	36-G	G4	97AU
		G5	71A
B6	97P	G6	17A
C4	47A	H4	31
C5	71	H5	19A
C6	36	H6	19C
D4			
D5	29A		

FRONT END CONNECTOR (CAB SIDE)			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A1		E1	52
A2			
A3		E2	56
B1			
B2		F1	85C
B3		F2	
C1	39A	F3	58A
C2		G1	
C3		G2	
D1	53	G3	
		H1	
D2	57	H2	
		H3	

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

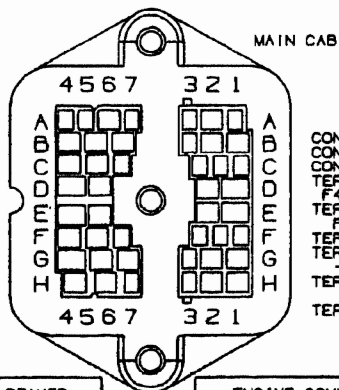
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CONNECTOR PIN OUTS AND END VIEWS

DASH CONNECTOR (2) THRU DASH W/TRUCK

DASH CONNECTOR (2) W/TRUCK



CONNECTOR-1661193C1
CONNECTOR LOCK-1661208C1
CONNECTOR LOCK-1661207C1
TERMINAL (CAVITY) A6, B1, B4, C4, C5
F4, F5, G5, G6, G7, H4, H5-1661215C1
TERMINAL (CAVITY) A4, A5, C1, C6, F1,
F2, F8, H8-1661206C1
TERMINAL (CAVITY) F3-1661211C1
TERMINAL (CAVITY) D1, E1, G4
-1661227C1
TERMINAL (CAVITY) B6, D2, E2-
1661219C1
TERMINAL (CAVITY) B8, D5
1661215C1

ENGINE CONNECTOR W/HYO BRAKES (CAB SIDE)			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4	90M	E4	19B
A5	90P	E5	
A6	90B	F4	92C
A7	90H	F5	
B4	47	F6	1
B5		G4	97AU
		G5	71A
B6	97P	G6	17A
C4	47A	H4	31
C5	71	H5	19A
C6		H6	19C
D4	77F		
D5	29A		

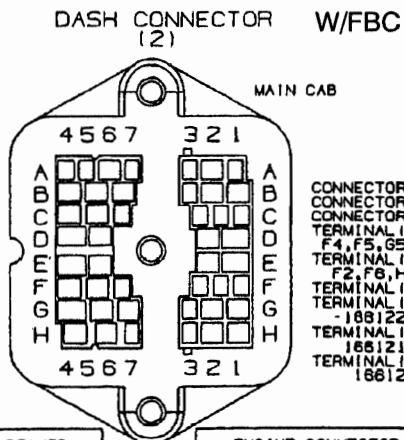
ENGINE CONNECTOR W/AIR BRAKES (CAB SIDE)			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4		E4	
A5		E5	
A6		F4	
A7		F5	
B4		F6	
B5		G4	
		G5	
B6		G6	
C4		H4	
C5		H5	
C6		H6	
D4			
D5			

FRONT END CONNECTOR (CAB SIDE)			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A1		E1	52
A2			
A3		E2	56A
B1			
B2		F1	85C
B3		F2	
C1		F3	58D
C2		G1	
C3		G2	
D1	53	G3	
		H1	
D2	57A	H2	
		H3	

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

CONNECTOR PIN OUTS AND END VIEWS

DASH CONNECTOR (2) THRU DASH W/FBC



ENGINE CONNECTOR W/HYD BRAKES (CAB SIDE)			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4	90M	E4	19B
A5	90P	E5	26A
A6	90B	F4	92C
A7	90H	F5	26
B4	47	F6	1
B5	36-G	G4	97AU
		G5	71A
B6	97P	G6	17A
C4	47A	H4	31
C5	71	H5	19A
C6	36	H6	19C
D4			
D5	29A		

ENGINE CONNECTOR W/AIR BRAKES (CAB SIDE)			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4	40	E4	19B
A5		E5	26A
A6		F4	92C
A7		F5	26
B4	47	F6	1
B5	36-G	G4	97AU
		G5	71A
B6	97P	G6	17A
C4	47A	H4	31
C5	71	H5	19A
C6	36	H6	19C
D4			
D5	29A		

FRONT END CONNECTOR (CAB SIDE)			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A1		E1	52
A2			
A3		E2	56
B1			
B2		F1	85C
B3		F2	
C1	39A	F3	58A
C2		G1	
C3		G2	
D1	53	G3	
		H1	
D2	57	H2	
		H3	

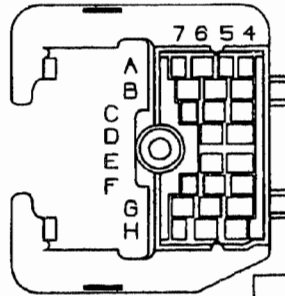
DASH CONNECTOR (2A)

DASH CONNECTOR FRONT END (2B)

CONNECTORS ARE VIEWED FROM MATING ENDS

3600, 4000 FBC and
4600/4600 LP TRUCK

LOCATION: LH DASH

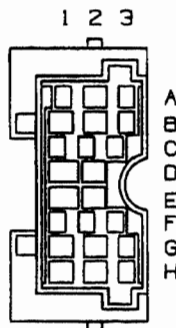
ENGINE CONNECTOR
(2A)

CONNECTOR-1661194C91
 CONNECTOR LOCK-1661207C1
 TERMINAL (CAVITY) A4, A5, A7, C8, H8-1661213C1
 TERMINAL (CAVITY) B4, B5, B6, C4, C5, F4,
 F5, G5, G6, H5-1661222C1
 TERMINAL (CAVITY) E4, G4-1661233C1
 TERMINAL (CAVITY) D4, D5, H4-1661220C1
 TERMINAL (CAVITY) A6, E5-1661627C1
 TERMINAL (CAVITY) F6-1661212C1

W/HYD BRAKES			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4	90M	E4	19B
A5	90P	E5	
A6	90B	F4	92C
A7	90H	F5	
B4	47	F6	1-RW
B5		G4	97AU
B6	97P	G5	71A
C4	47A	G6	17A
C5	71	H4	31
C6		H5	19A
D4	77F		
D5	29A	H6	19C

W/AIR BRAKES			
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A4	40	F4	92C
A5		F5	
A6		F6	1-RW
A7			97AU
B4	47	G4	
B5			
B6	97P	G5	71A
C4	47A	G6	17A
C5	71	H4	31
C6			19A
D4	77F	H5	
D5	29A		
E4	19B	H6	19C
E5			

FRONT END CONNECTOR (2B)



CONNECTOR-1661195C1
 CONNECTOR LOCK-1661208C1
 TERMINAL (CAVITY) A1, F1, F2, F3-1661213C1
 TERMINAL (CAVITY) B2, D2, E2-1661222C1
 TERMINAL (CAVITY) D1, E1-1661233C1
 TERMINAL (CAVITY) B1-1661627C1

CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
A1	66C	E1	52
A2		E2	56A
A3		F1	85C
B1		F2	
B2	64C	F3	58D
B3		G1	
C1		G2	
C2		G3	
C3		H1	
D1	53	H2	
D2	57A	H3	

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

CONNECTOR PIN OUTS AND END VIEWS

ECM & IDM POWER RELAY FUSE IN-LINE CONNECTOR (412)

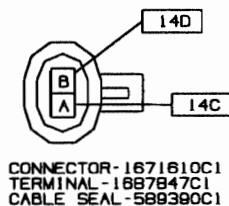
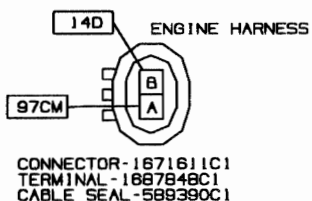
ECM CONNECTOR (379)

ECM DIODE ASSEMBLY CONNECTOR (415)

ECM POWER RELAY CONNECTOR (395)

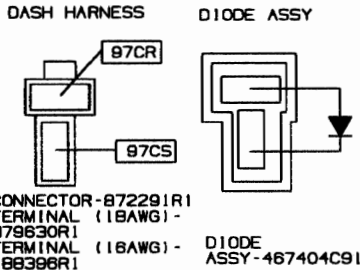
CONNECTOR BODY COMPOSITE-VIEWED FROM MATING ENDS

ECM & IDM POWER RELAY FUSE IN-LINE CONNECTION (412)



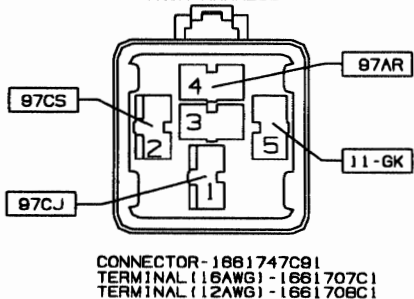
LOCATION: AT BATTERY

ECM DIODE ASSEMBLY CONN (415)



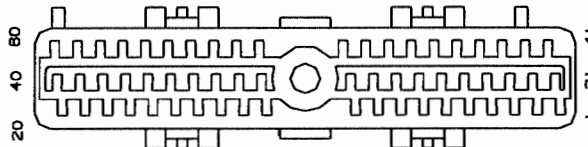
LOCATION: LH DASH PANEL

ECM POWER RELAY (395) (RH BULKHEAD) DASH HARNESS



LOCATION: CENTER DASH

ELECTRONIC CONTROL MODULE (ECM) 60-PIN HARNESS CONNECTOR (379)



TERMINAL-(16AWG)-1689454C1
TERMINAL-(18AWG)-1689455C1

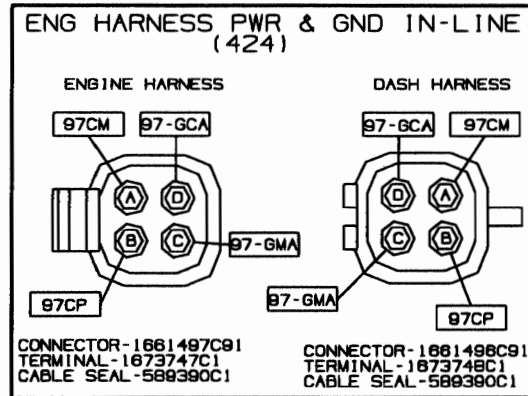
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
1	97J	21	97BH	41	---
2	97CB	22	97BB	42	97BK
3	---	23	97N	43	97M
4	---	24	97AZ	44	97DD (5V)
5	97CD	25	97AX	45	97AY
6	---	26	97AA (5V)	46	97X
7	97BF	27	97BG	47	99B
8	99D	28	97AS	48	98
9	97AT	29	---	49	97BD
10	97A	30	99F	50	97AC
11	97BC	31	97-GR	51	97WA
12	97CC	32	97F	52	---
13	18-G	33	97AH	53	---
14	97CE	34	97BA	54	---
15	---	35	97H	55	---
16	---	36	97D	56	97BE
17	97T	37	97AJ	57	97AL
18	34B	38	---	58	97CH
19	---	39	97CF	59	97AF
20	97-GB	40	97-GC	60	97-GD

LOCATION: LH DASH

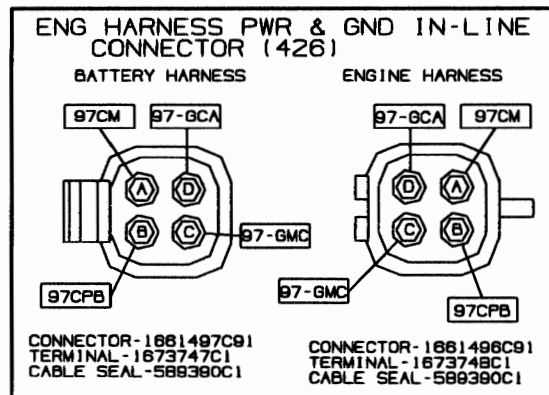
CONNECTOR PIN OUTS AND END VIEWS

ENGINE HARNESS POWER AND GROUND CONNECTOR (424)
ENGINE HARNESS POWER AND GROUND CONNECTOR (426)

CONNECTOR BODY COMPOSITE - VIEWED FROM MATING ENDS



LOCATION: CENTER DASH



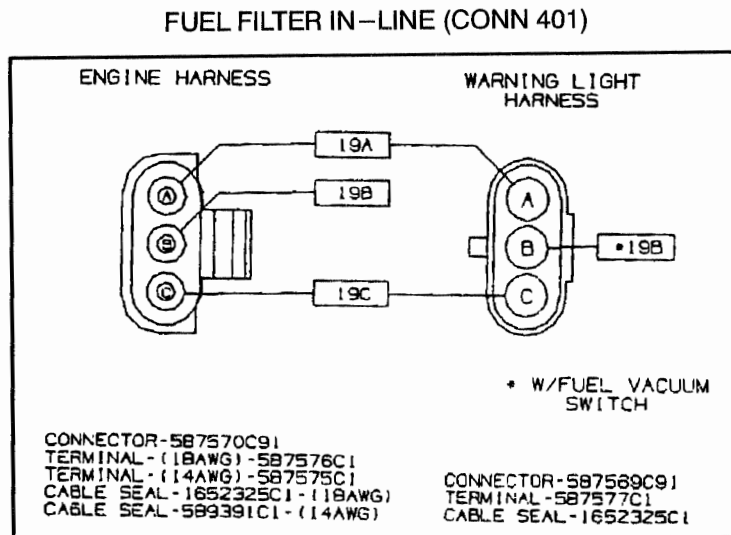
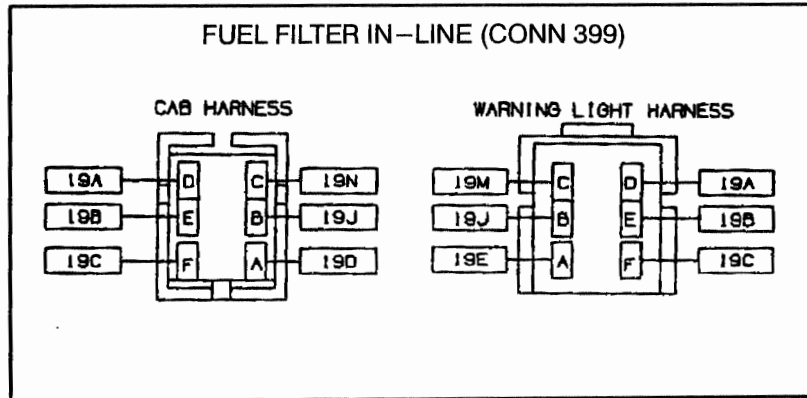
LOCATION: LH ENGINE

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

CONNECTOR PIN OUTS AND END VIEWS

FUEL FILTER IN-LINE CONNECTOR (399) FUEL FILTER IN-LINE CONNECTOR (401)

CONNECTOR BODY COMPOSITE - VIEWED FROM MATING ENDS

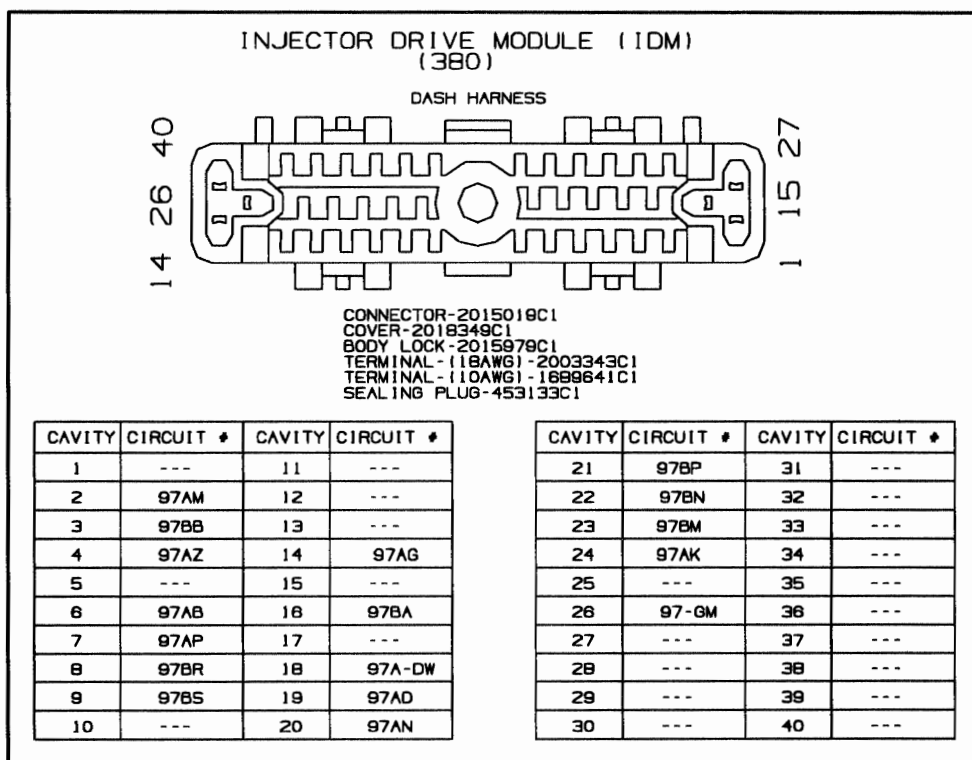


CONNECTOR PIN OUTS AND END VIEWS

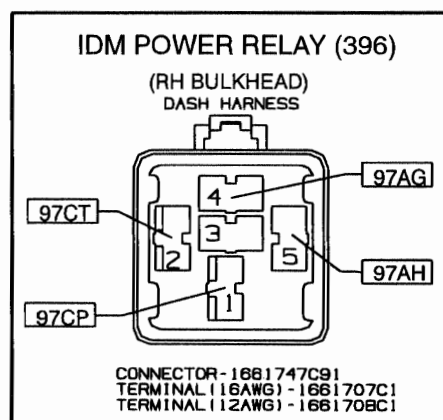
INJECTOR DRIVE MODULE (IDM) CONNECTOR (380)

INJECTOR DRIVE MODULE (IDM) POWER RELAY CONNECTOR (396)

CONNECTOR BODY COMPOSITE - VIEWED FROM MATING ENDS



LOCATION: RH DASH

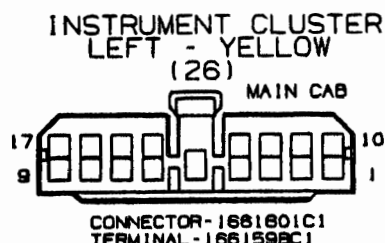


LOCATION: LH DASH

ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

CONNECTOR PIN OUTS AND END VIEWS

INSTRUMENT CLUSTER YELLOW CONNECTOR (26) INSTRUMENT CLUSTER GREEN CONNECTOR (27)



W/FBC

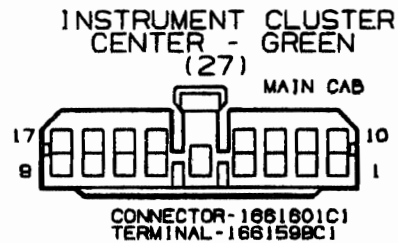
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
1	28A	9	---
2	92	10	29/35
3	40B*	11	---
	90T**	12	97T
4	28E	13	---
5	28D	14	---
6	28-GA	15	62-GA
7	28	16	28A
8	62A	17	31

*W/AIR BRAKES, 40B W/3700, 3800, 4000
**W/HYD BRAKES, 90 W/3700, 3800, 4000

W/TRK

CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
1	28A	9	30*
2	---	10	29/35
3	40*	11	---
	90T**	12	97T
4	28J	13	---
5	28E	14	---
6	28-G	15	62-GE
7		16	
8	62L	17	31

*W/AIR BRAKES, 40B W/3700, 3800, 4000
**W/HYD BRAKES, 90 W/3700, 3800, 4000



W/FBC

CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
1	62B	10	28B
2	28-GB	11	62-GB
3	36	12	57C
4	52A	13	---
5	47B	14	97AR
6	56C	15	29A
7	---	16	---
8	47G	17	97-GL
9	---		

W/TRK

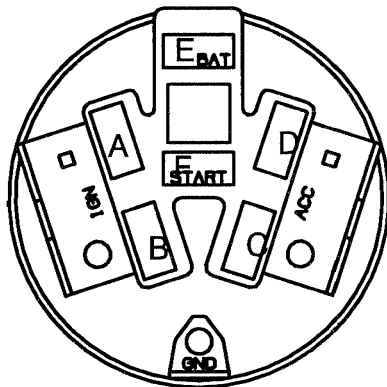
CAVITY	CIRCUIT #	CAVITY	CIRCUIT #
1	62C	10	28B
2	28-GA	11	62-GF
3	36	12	57C
4	52A	13	---
5	47B	14	97AR
6	56C	15	29A
7	---	16	---
8	47G	17	97-GL
9	---		

CONNECTOR PIN OUTS AND END VIEWS

KEY SWITCH, TRUCK CONNECTOR (24)
KEY SWITCH, FBC CONNECTOR (63)
MAP MODULE CONNECTOR (397)

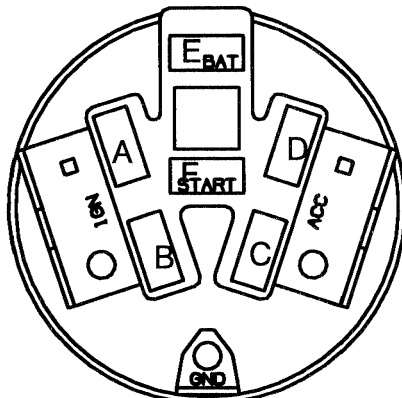
CONNECTOR BODY COMPOSITE - VIEWED FROM MATING ENDS

TRUCK KEY SWITCH (24)



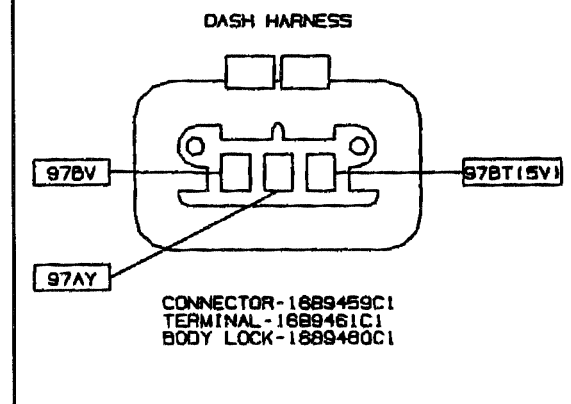
CAV	CIR
A	13
B	13A
C	12
D	
E	15
F	17C

FBC KEY SWITCH (63)



CAV	CIR
A	13
B	13F
C	12
D	1
E	15
F	17C

MAP MODULE (CONN 397)



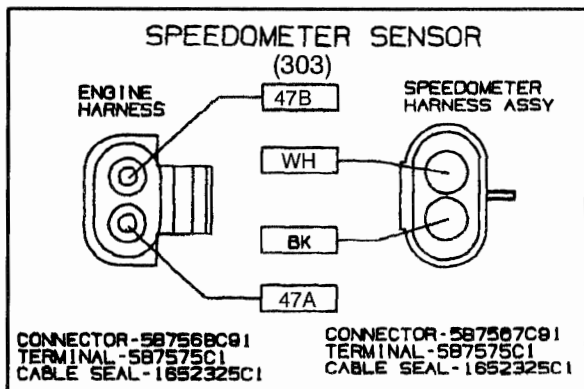
ELECTRONIC CONTROL SYSTEM DIAGNOSTICS

CONNECTOR PIN OUTS AND END VIEWS

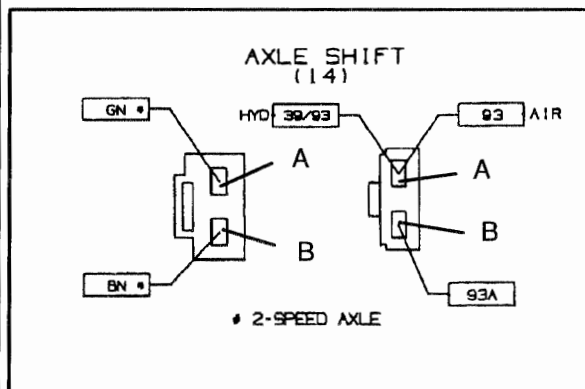
SPEEDOMETER SENSOR CONNECTOR (303)

TWO SPEED AXLE CONNECTOR (14)

VPM CONNECTOR (381)

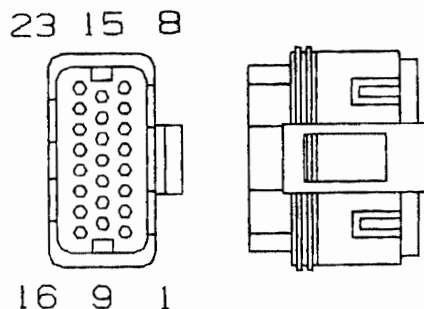


LOCATION: AT TRANSMISSION



LOCATION: REAR OF CAB

VEHICLE PERSONALITY MODULE (VPM) 23-WAY HARNESS CONNECTOR (381) (1689465C1 CONN. & 2005483C1 TERM.)



CAUTION: Do not probe VPM connector with meter leads as it will damage the connectors. Construct test lead using: terminal part number xxx, suitable length of 18 gauge wire and an insulated alligator clip.

CAV	CIR	CAV	CIR
1	47	13	97AS
2	47A	14	97AT
3	---	15	97-GE
4	97D	16	---
5	97AR	17	---
6	48	18	47B
7	---	19	---
8	97E	20	47C
9	93A	21	---
10	97B	22	---
11	98A(+)	23	97-GF
12	98C(-)		

LOCATION: BEHIND LH INSTRUMENT PANEL