

## TRUCK LH CAB WIRING

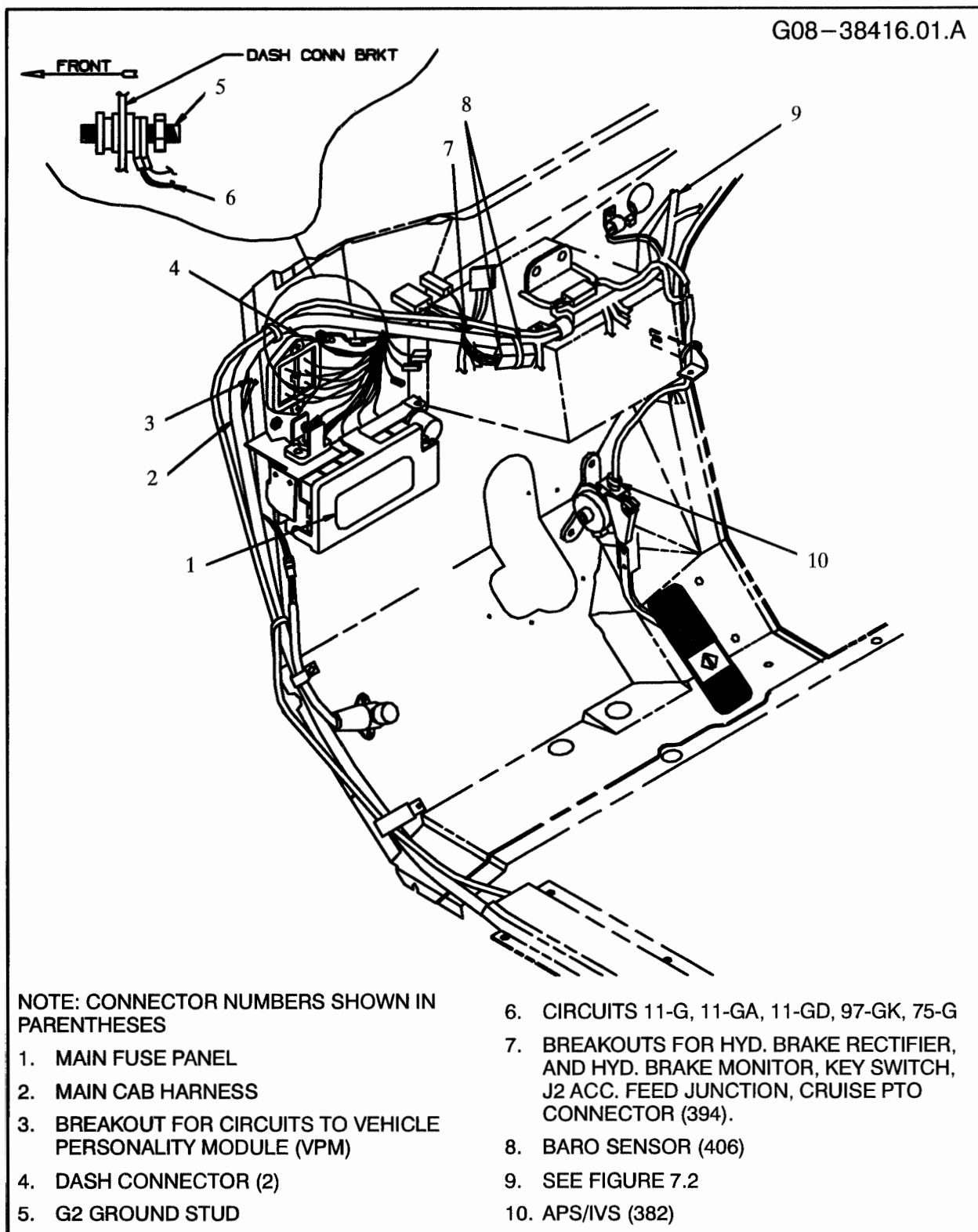


Figure 7.1 – Truck LH Cab Wiring

## RH TRUCK CAB WIRING

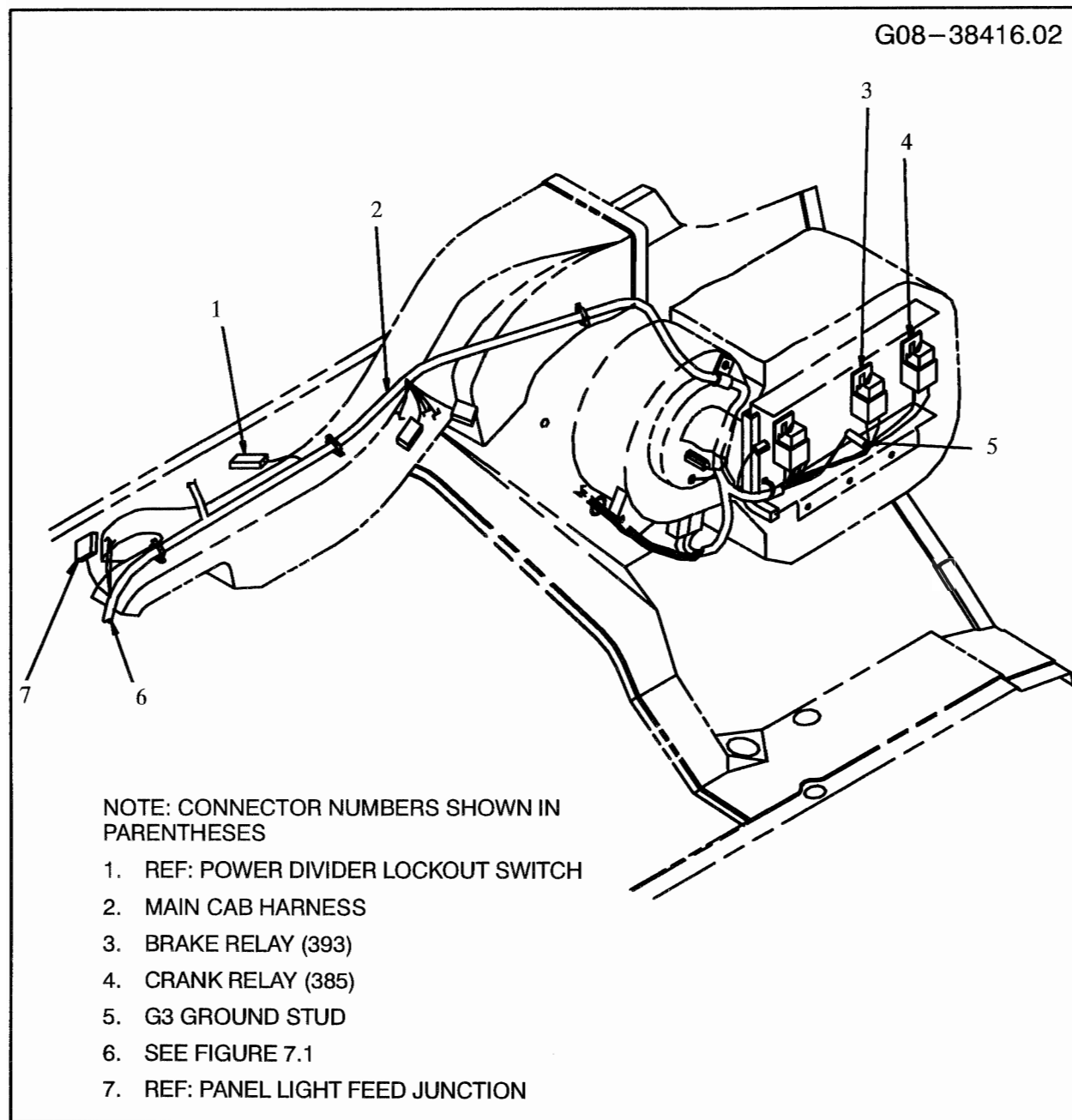


Figure 7.2 – RH Truck Cab Wiring

## CENTER TRUCK CAB WIRING

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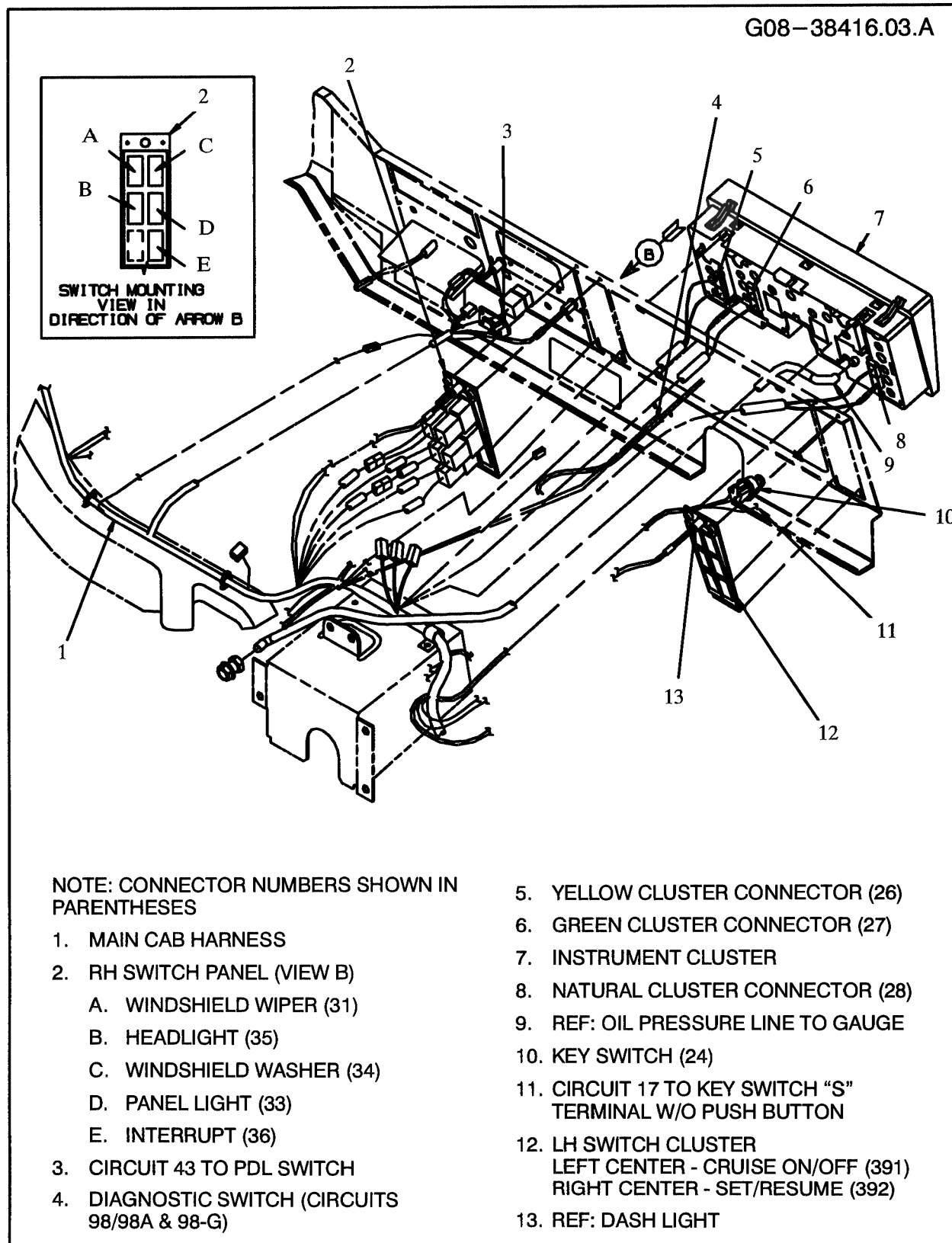
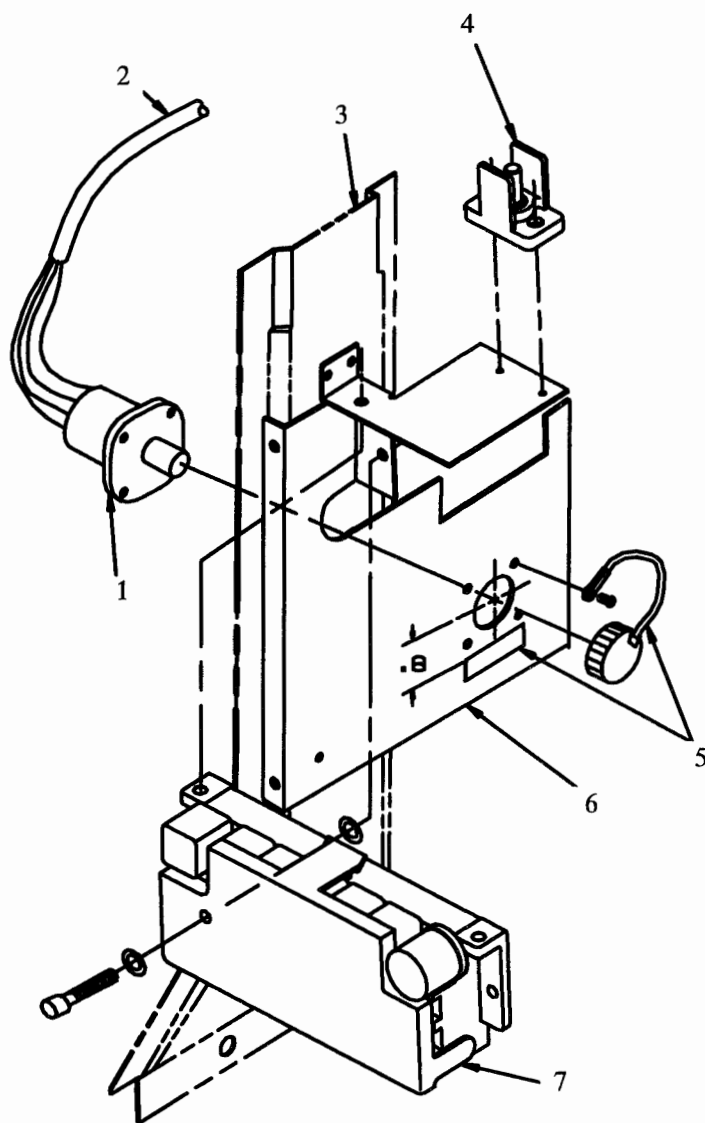


Figure 7.3 – Center Truck Cab Wiring

## VEHICLE AND COMPONENT ILLUSTRATIONS

### TRUCK FUSE PANEL AND EST CONNECTOR (384) INSTALLATION

G08-38416.04.A



NOTE: CONNECTOR NUMBERS  
SHOWN IN PARENTHESES

1. EST CONNECTOR (384)
2. MAIN CAB HARNESS
3. REF: LEFT KICK PANEL  
(PART OF WELDED CAB  
ASSY)
4. J1 FEED STUD
5. EST CONNECTOR DUST  
COVER
6. FUSE PANEL BRACKET
7. MAIN FUSE PANEL

Figure 7.4 – Truck Fuse Panel And EST Connector (384) Installation

## TRUCK BNO/BNC AIR BRAKE PRESSURE SWITCHES

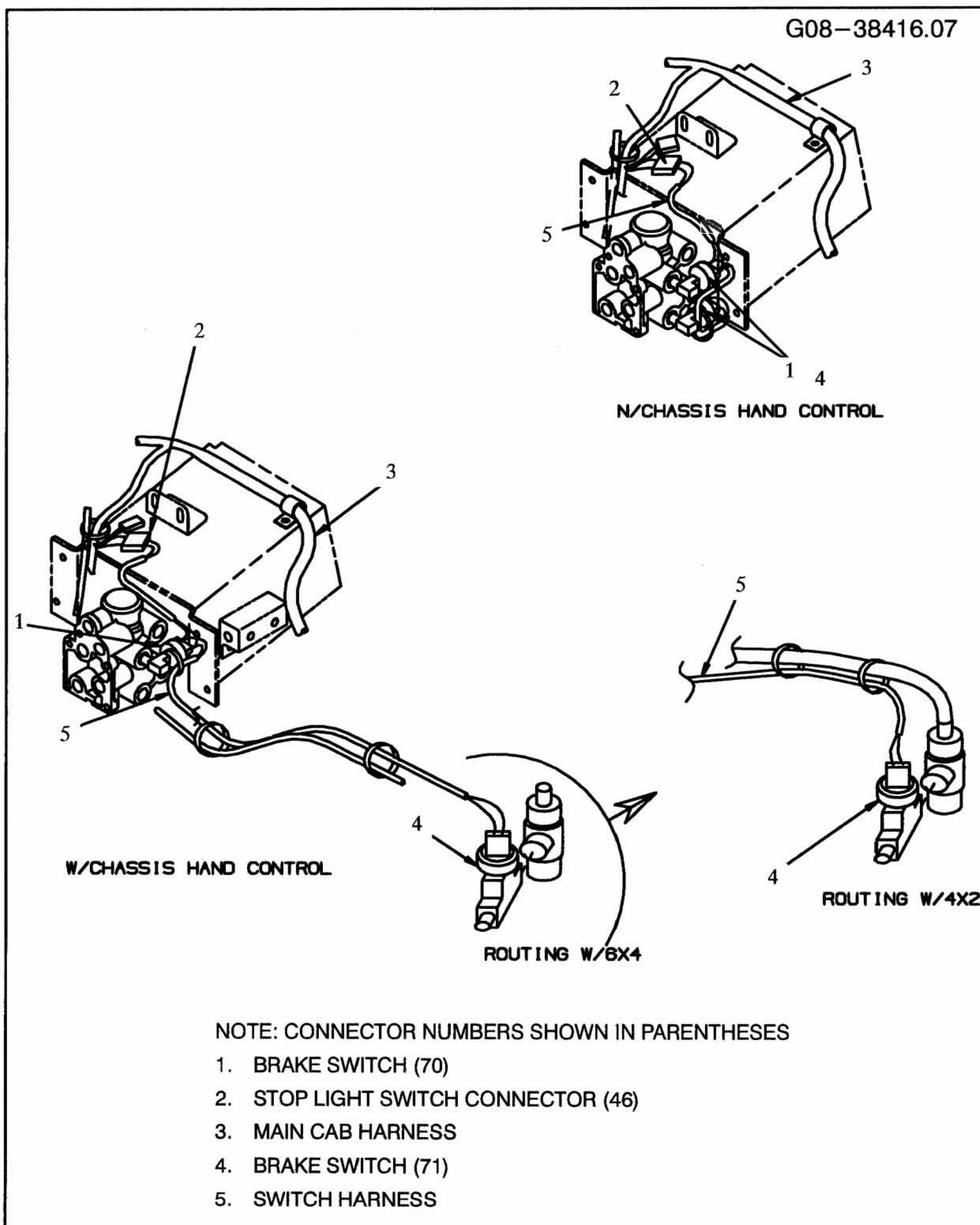


Figure 7.5 – Truck BNO/BNC Air Brake Pressure Switches

# VEHICLE AND COMPONENT ILLUSTRATIONS

## TRUCK BNO/BNC HYDRAULIC BRAKE SWITCHES

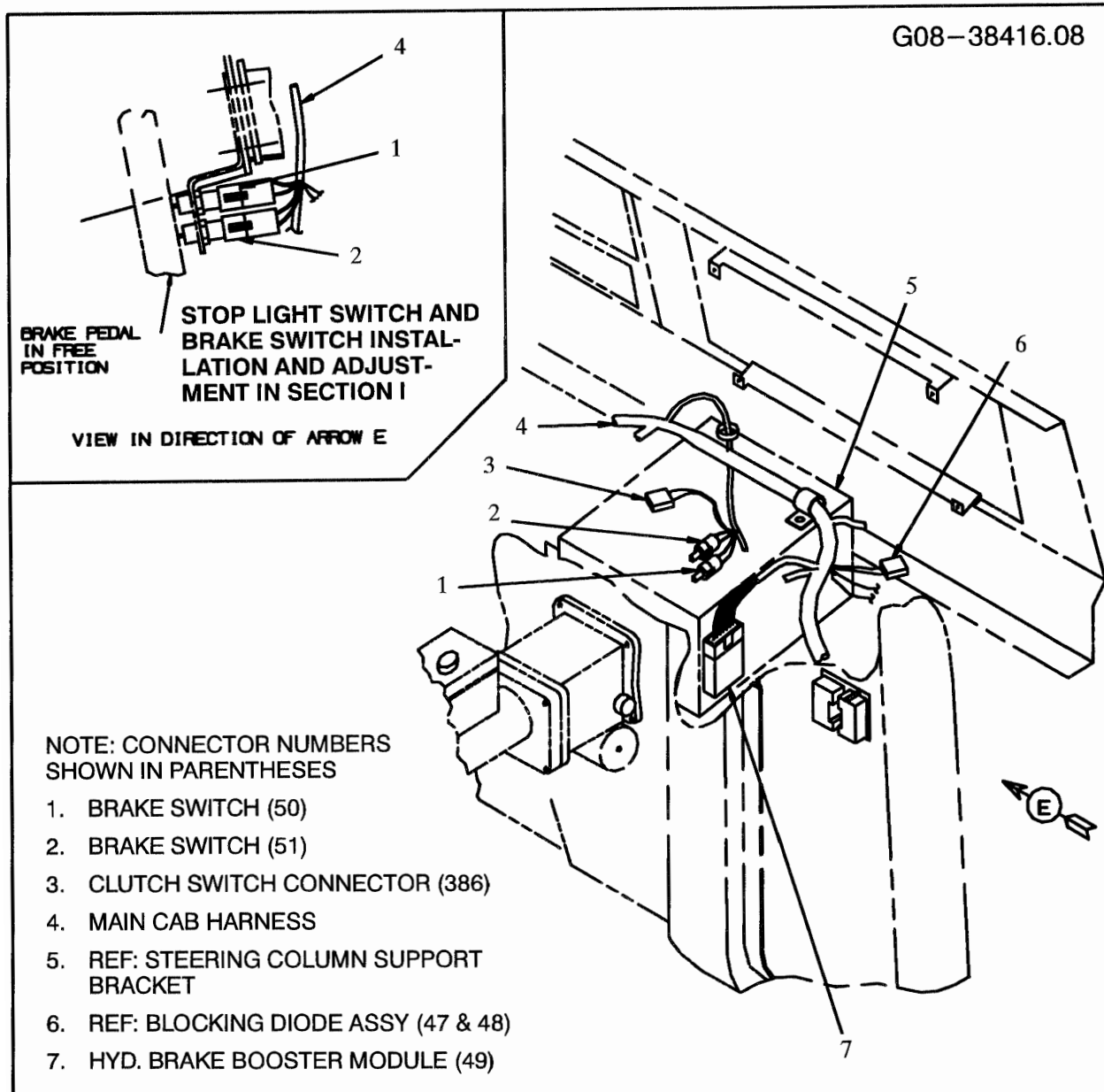
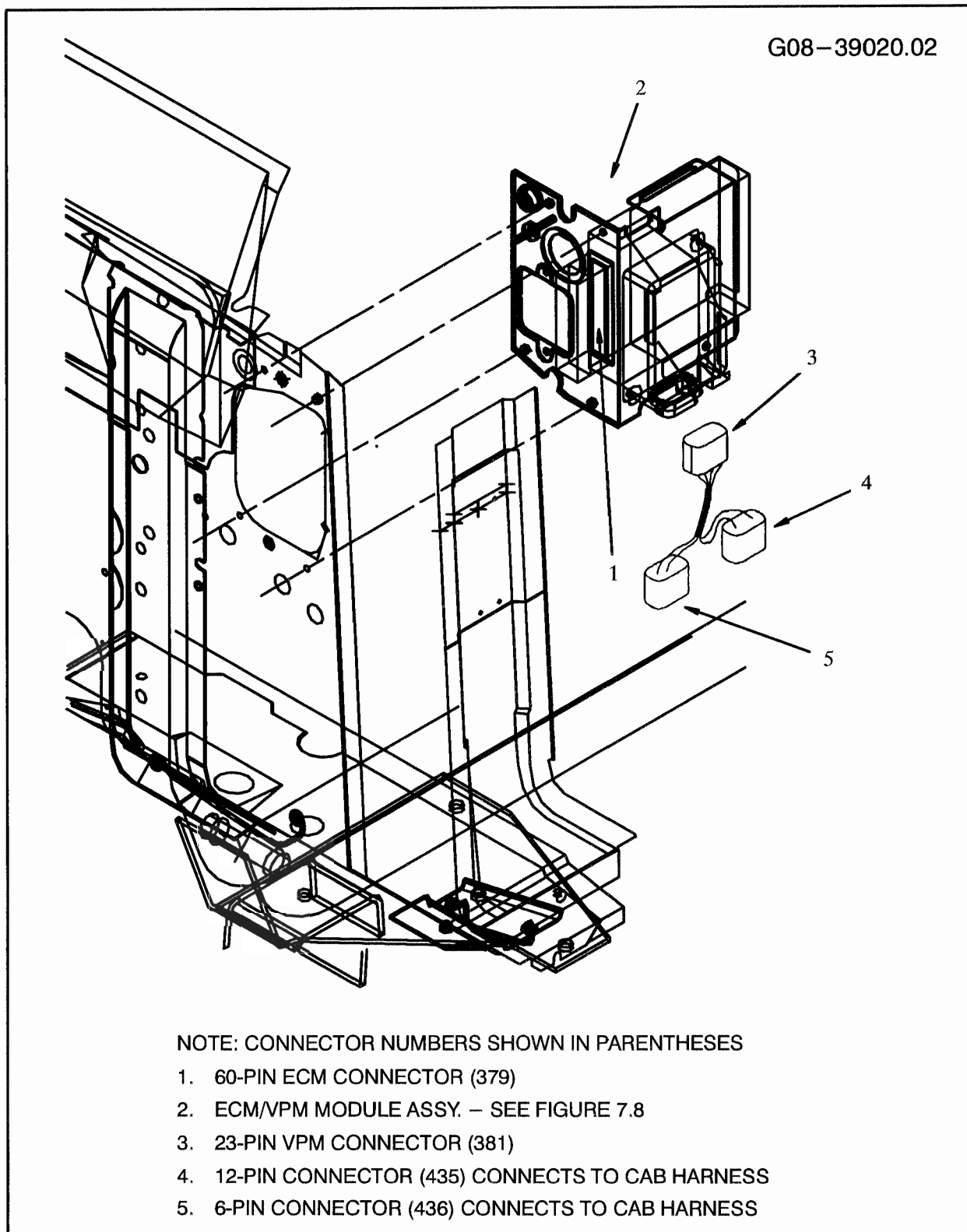


Figure 7.6 – Truck BNO/BNC Hydraulic Brake Switches

## ECM/VPM MODULE LOCATION



**Figure 7.7 – ECM/VPM Module Location**

# VEHICLE AND COMPONENT ILLUSTRATIONS

## ECM/VPM MODULE ASSEMBLY

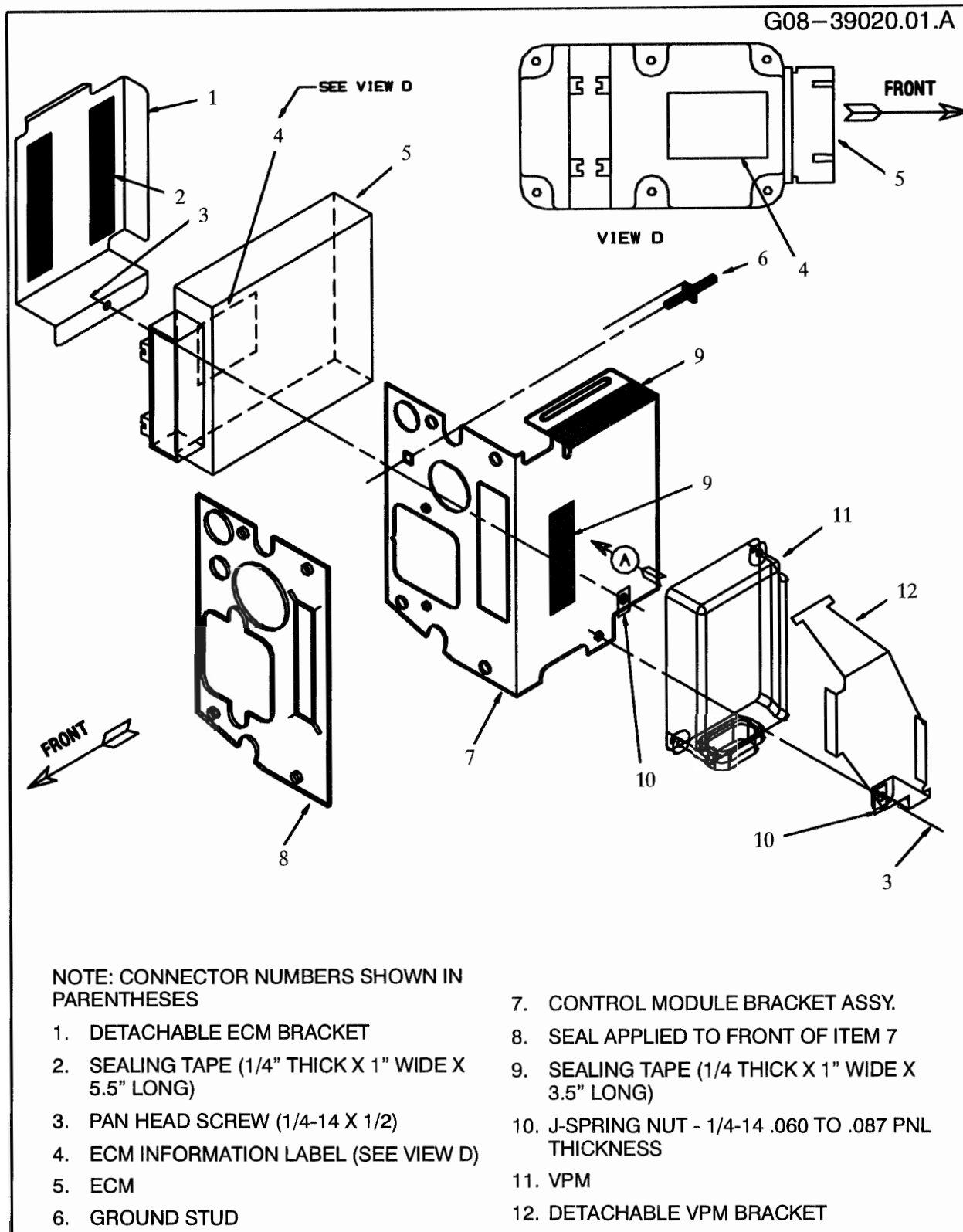


Figure 7.8 – ECM/VPM Module Assembly



## TRUCK CRUISE/PTO WIRING

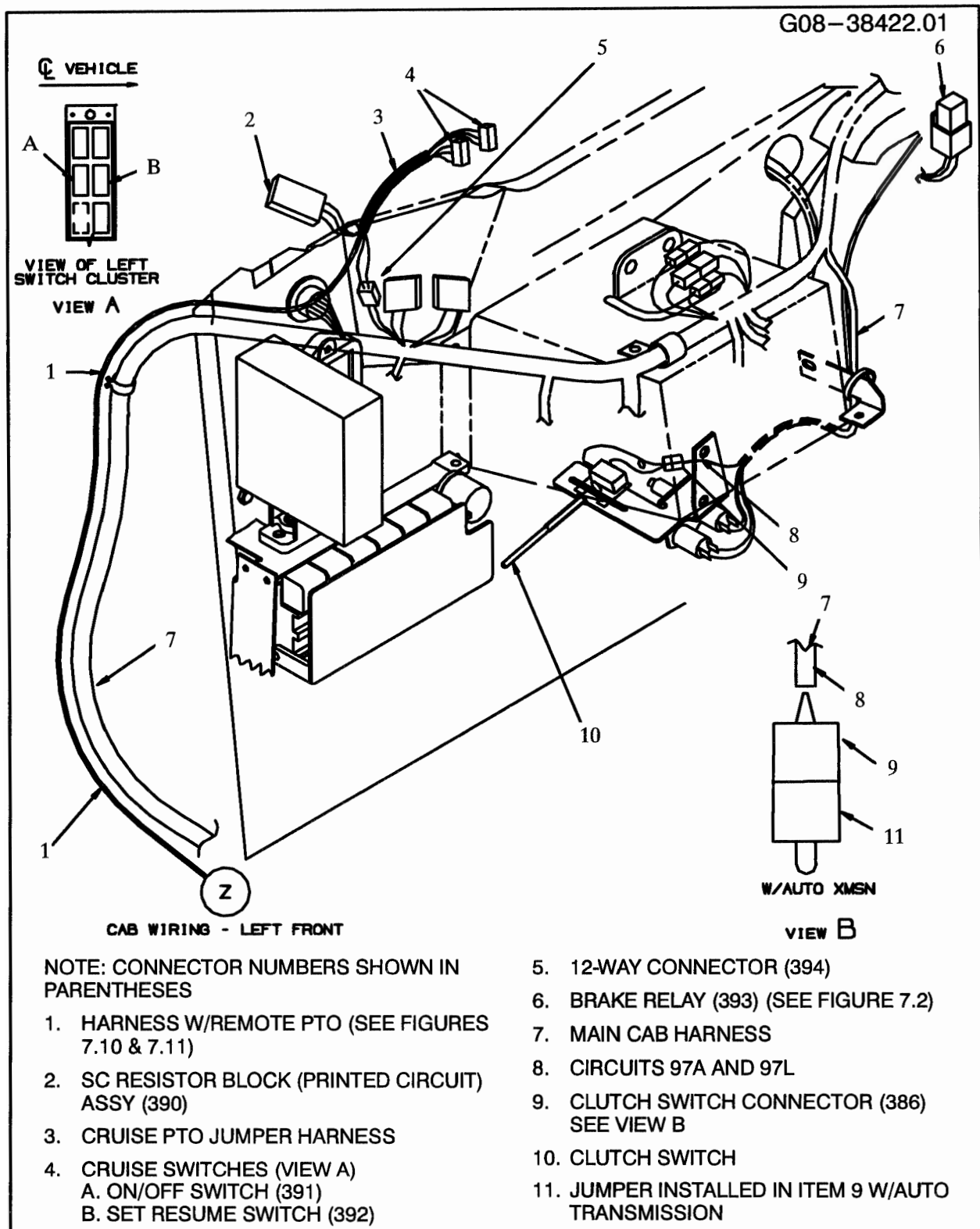


Figure 7.9 – Truck Cruise/PTO Wiring

# VEHICLE AND COMPONENT ILLUSTRATIONS

## REAR CAB PTO WIRING (N/TRAVELCREW CAB)

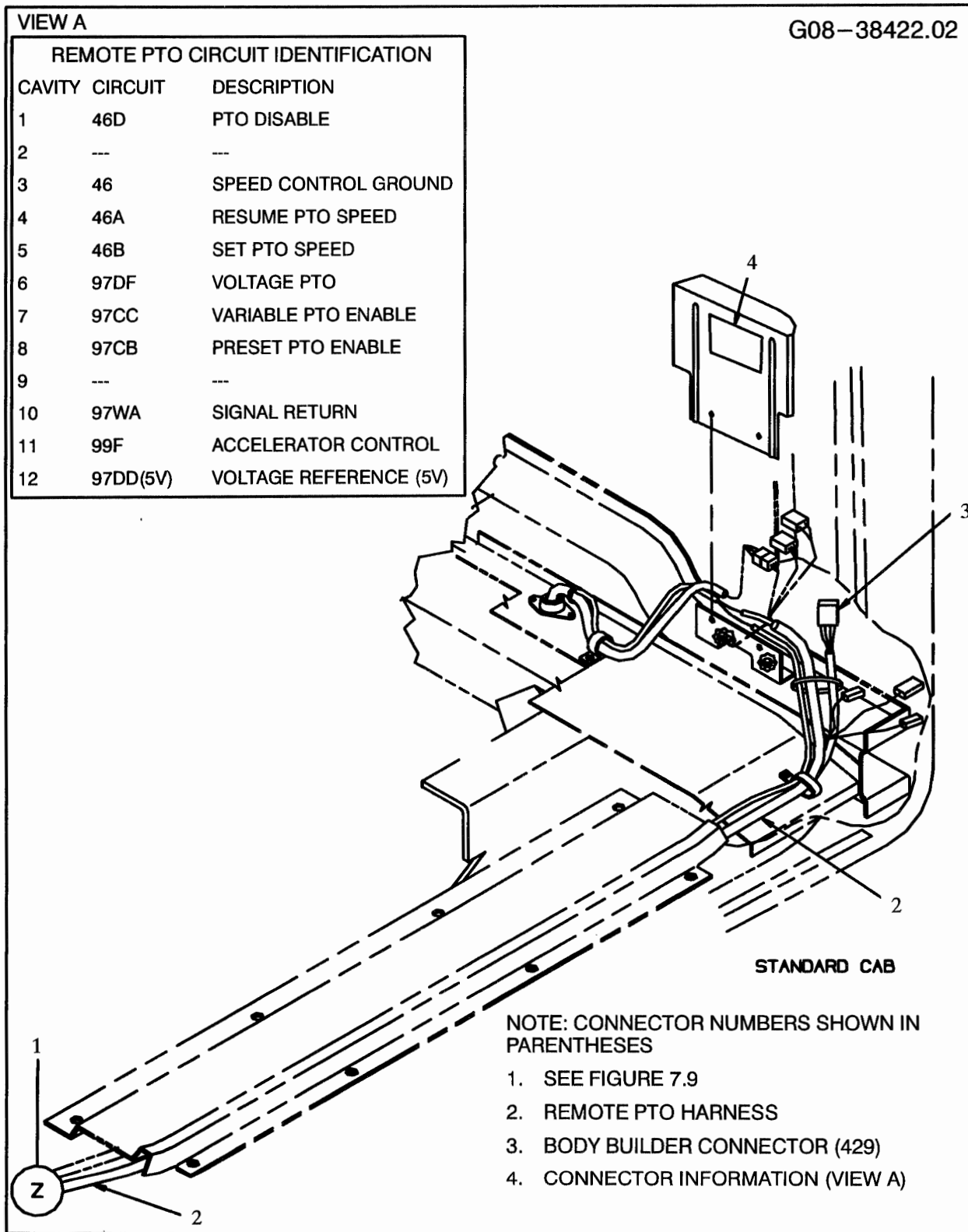


Figure 7.10 – Rear Cab PTO Wiring (N/Travelcrew Cab)

## REAR TRAVEL CREW CAB PTO WIRING

VIEW A

G08-38422.03

### REMOTE PTO CIRCUIT IDENTIFICATION

CAVITY	CIRCUIT	DESCRIPTION
1	46D	PTO DISABLE
2	---	---
3	46	SPEED CONTROL GROUND
4	46A	RESUME PTO SPEED
5	46B	SET PTO SPEED
6	97DF	VOLTAGE PTO
7	97CC	VARIABLE PTO ENABLE
8	97CB	PRESET PTO ENABLE
9	---	---
10	97WA	SIGNAL RETURN
11	99F	ACCELERATOR CONTROL
12	97DD(5V)	VOLTAGE REFERENCE (5V)

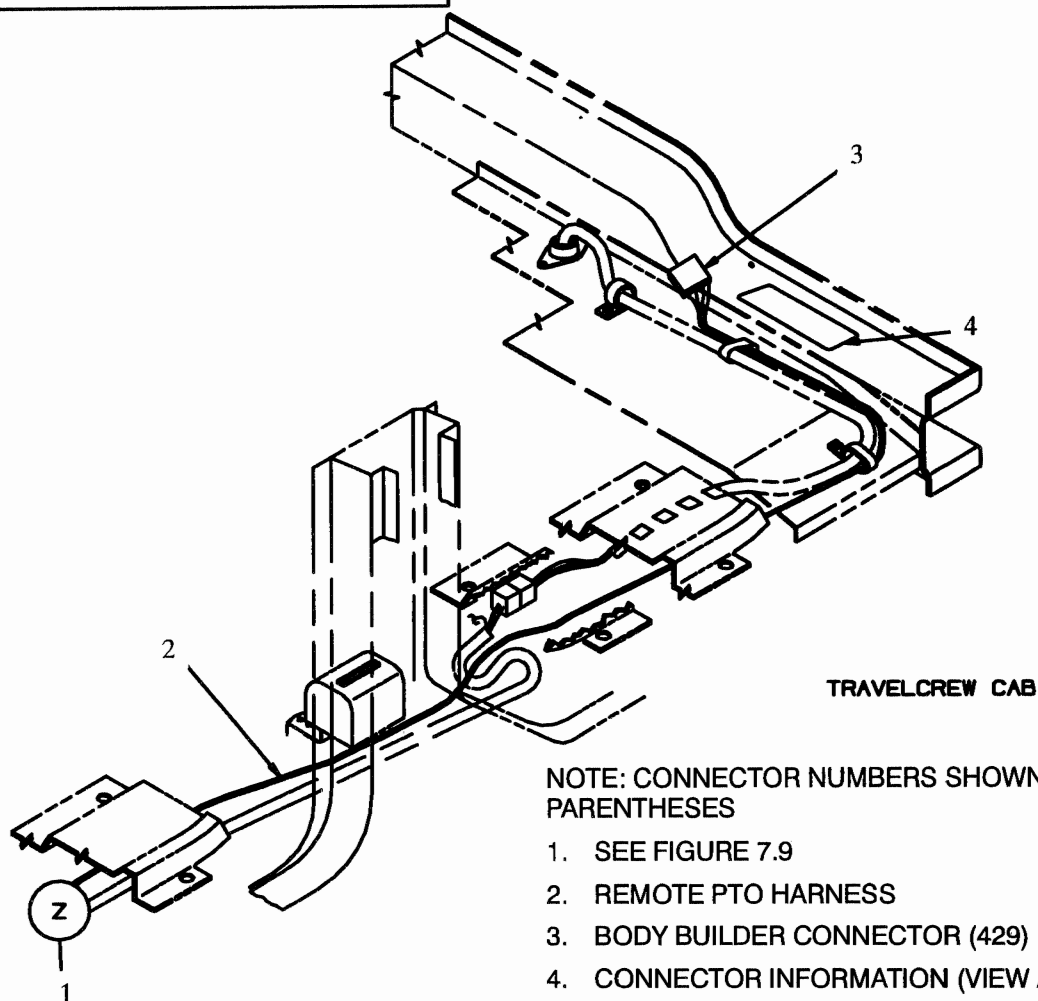
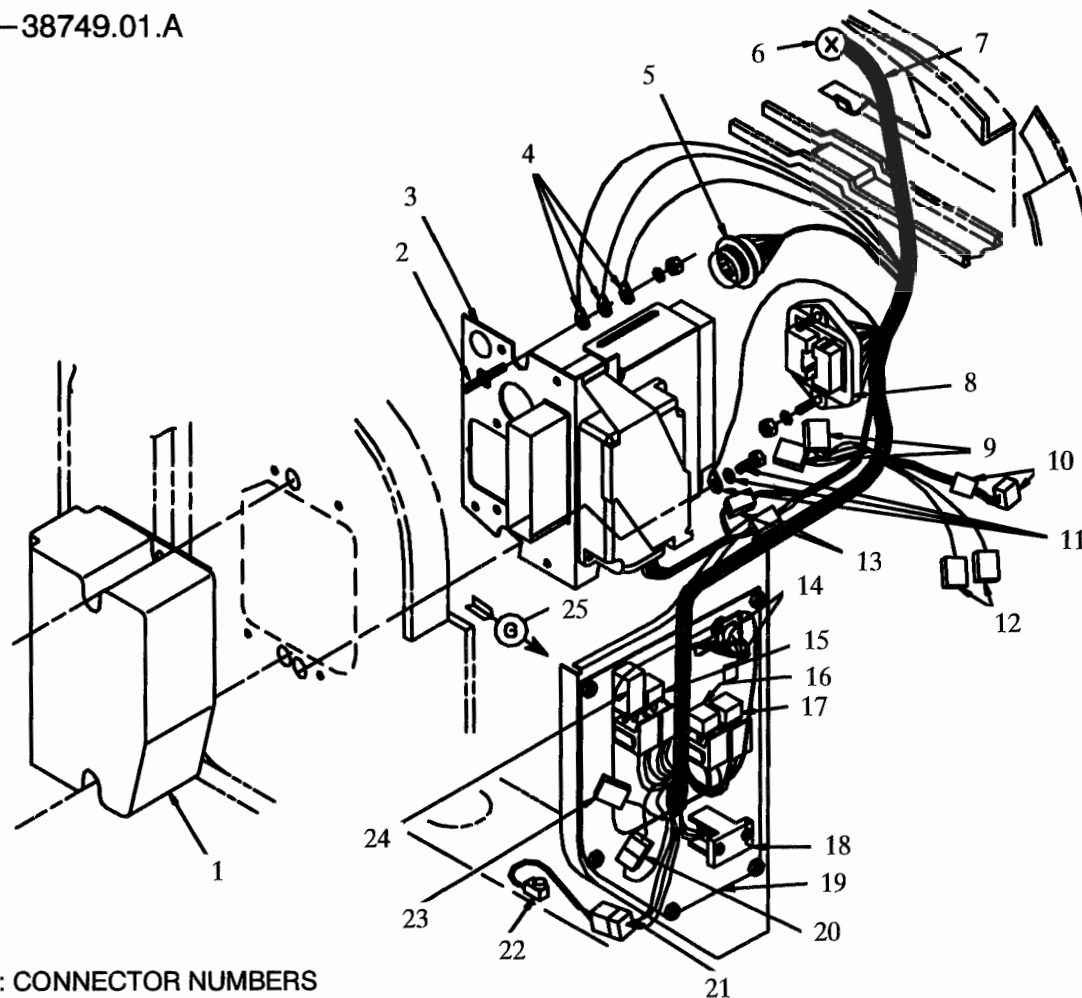


Figure 7.11 – Rear Travel Crew Cab PTO Wiring

# VEHICLE AND COMPONENT ILLUSTRATIONS

## FBC LH CAB WIRING

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NOTE: CONNECTOR NUMBERS  
SHOWN IN PARENTHESES

- |  |  |
|--|--|
| 1. JUNCTION BOX COVER                                      | 13. VPM CONNECTORS (435) AND (436)                   |
| 2. G2 GROUND STUD  | 14. EST CONNECTOR (384)                              |
| 3. ECM/VPM MODULE SUB-ASSY. (FIGURES 7.7 AND 7.8)          | 15. HORN RELAY (61)                                  |
| 4. CIRCUITS 11-G, 36-G, 11-GD, 97-GK, 97-GQ                | 16. BRAKE SWITCH RELAY (300)                         |
| 5. 31-PIN DEUTSCH CONNECTOR (3)                            | 17. CRANK RELAY (385)                                |
| 6. SEE FIGURES 7.13 AND 7.14                               | 18. J1 BODY BUILDER FEED STUD                        |
| 7. MAIN CAB HARNESS  | 19. REF: LEFT COWL INNER PANEL                       |
| 8. DASH CONNECTOR (2)                                      | 20. STARTER INTERRUPT CONNECTION (CIRCUIT 17 TO 17C) |
| 9. RED POSITIVE (427) & BLUE NEGATIVE (428) BUS CONNECTORS | 21. DIMMER SWITCH CONNECTOR (17)                     |
| 10. BODY BUILDER CONNECTOR (194) & LABEL                   | 22. DIMMER SWITCH                                    |
| 11. CIRCUIT 11-GD GROUNDS AT MTG BOLT                      | 23. FOG LIGHT CONNECTOR (115)                        |
| 12. 2-SPEED AXLE ONE WAY CONNECTORS                        | 24. ALARM (20)                                       |
|  | 25. SEE FIGURE 7.18                                  |

Figure 7.12 – FBC LH Cab Wiring

## FBC CAB WIRING WITH AIR BRAKES

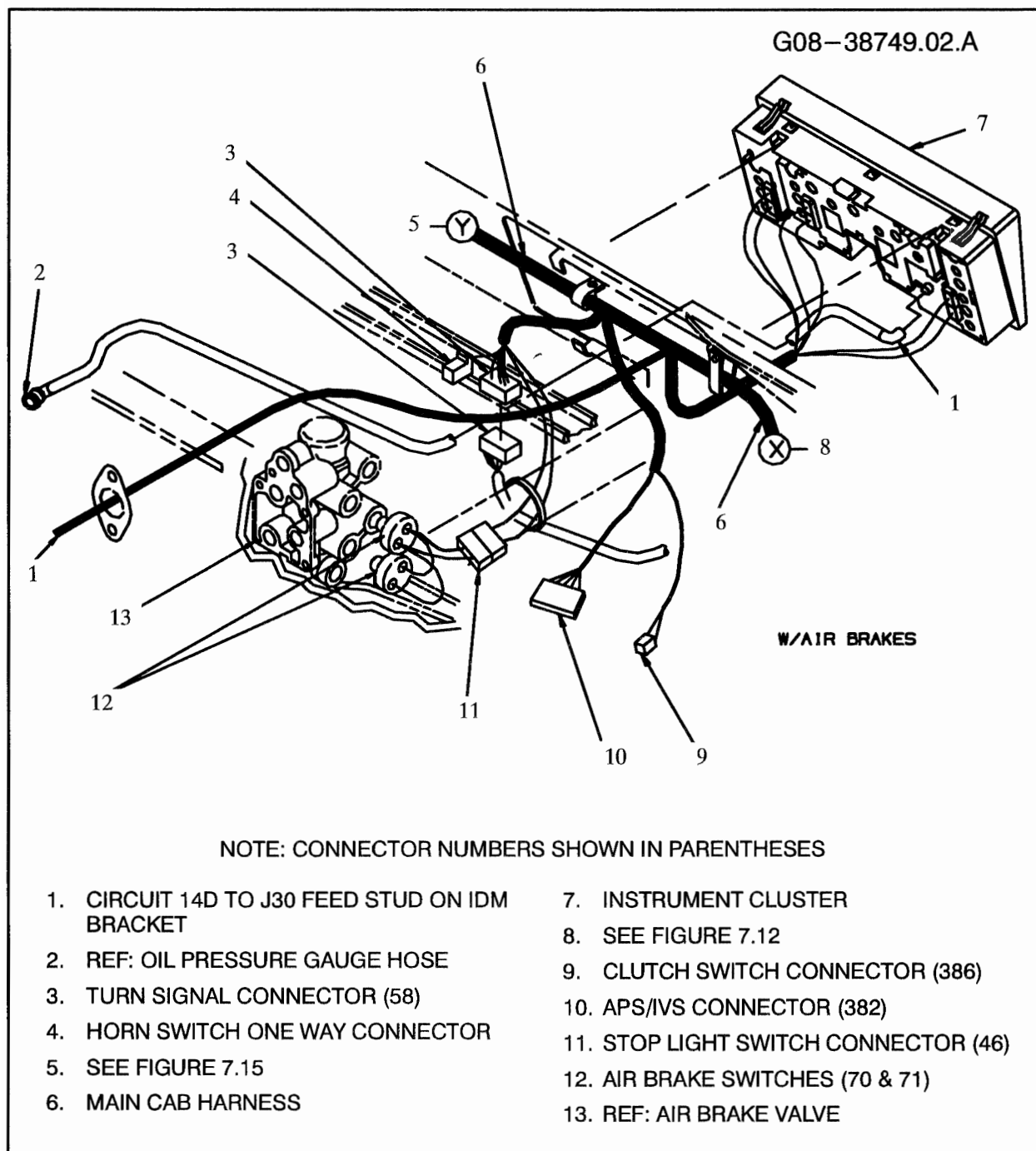


Figure 7.13 – FBC Cab Wiring With Air Brakes

# VEHICLE AND COMPONENT ILLUSTRATIONS

## FBC CAB WIRING WITH HYDRAULIC BRAKES

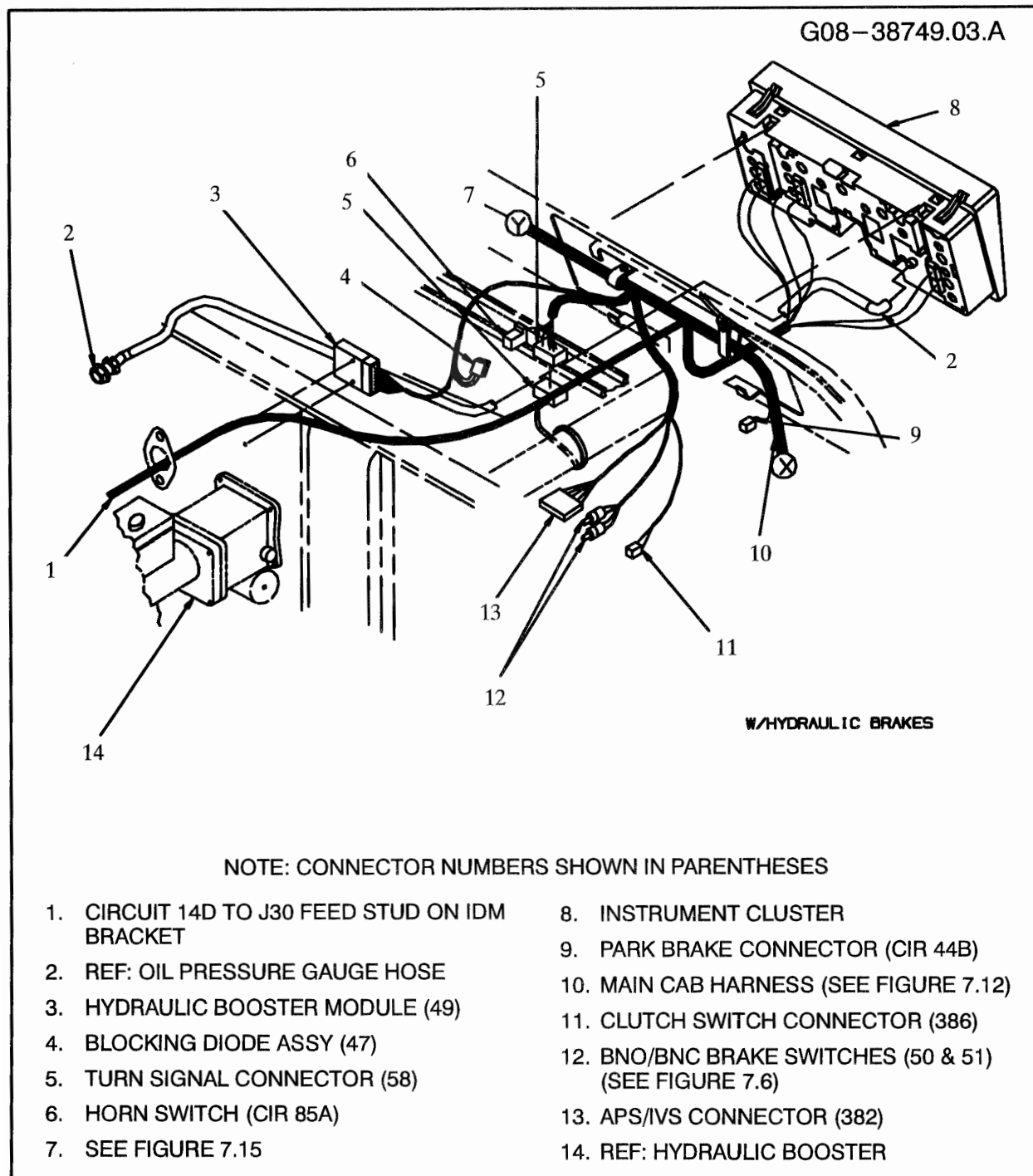
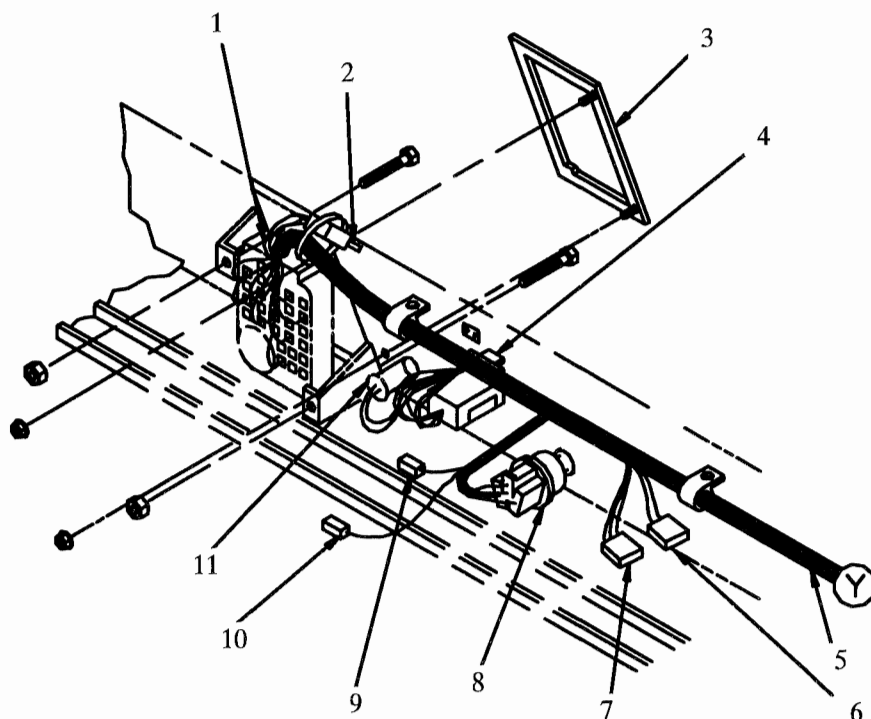


Figure 7.14 – FBC Cab Wiring With Air Brakes

## FBC RH CAB WIRING

G08-38749.04



NOTE: CONNECTOR NUMBERS SHOWN IN PARENTHESES

- |  |  |
|--|--|
| 1. FUSE PANEL (SEE FIGURE 7.17)                | 7. J3 PANEL LIGHT FEED JUNCTION                              |
| 2. BARO SENSOR (406)                           | 8. KEY SWITCH (63)   |
| 3. FUSE BLOCK COVER                            | 9. AUTOMATIC XMSN LIGHT CONNECTOR (CIR 62E)                  |
| 4. LIGHT SWITCH (60)                           | 10. CIRCUIT 44/44B CONNECTS TO GROUND TERMINAL OF KEY SWITCH |
| 5. MAIN CAB HARNESS (SEE FIGURES 7.13 OR 7.14) | 11. STI DIAGNOSTICS SWITCH (CIR 98 & 98-G)                   |
| 6. ABS ALLISON INTERCONNECT (377)              |  |

Figure 7.15 – FBC RH Cab Wiring

## FBC PARK BRAKE SWITCH

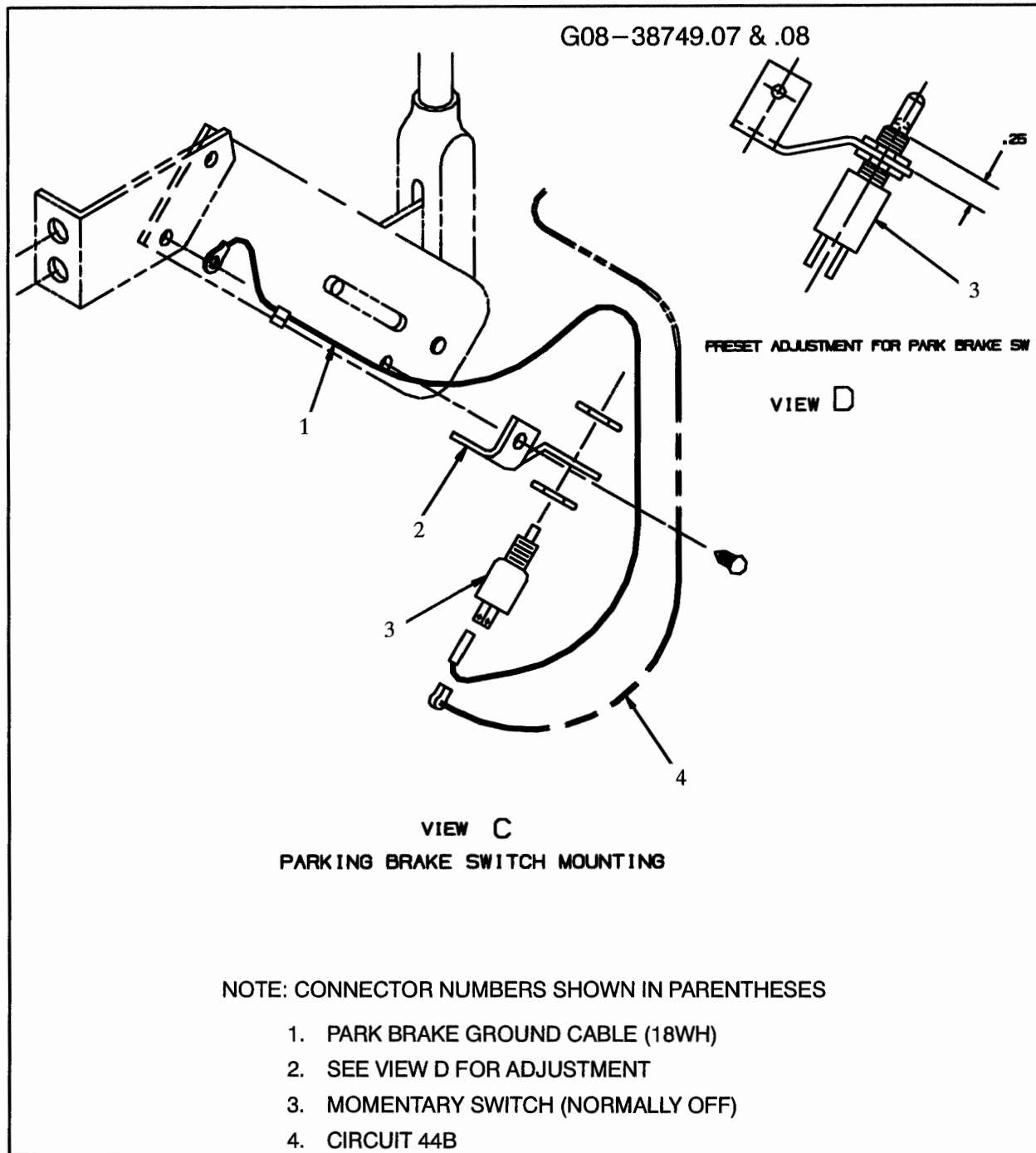


Figure 7.16 – FBC Park Brake Switch



## FBC FUSE PANEL

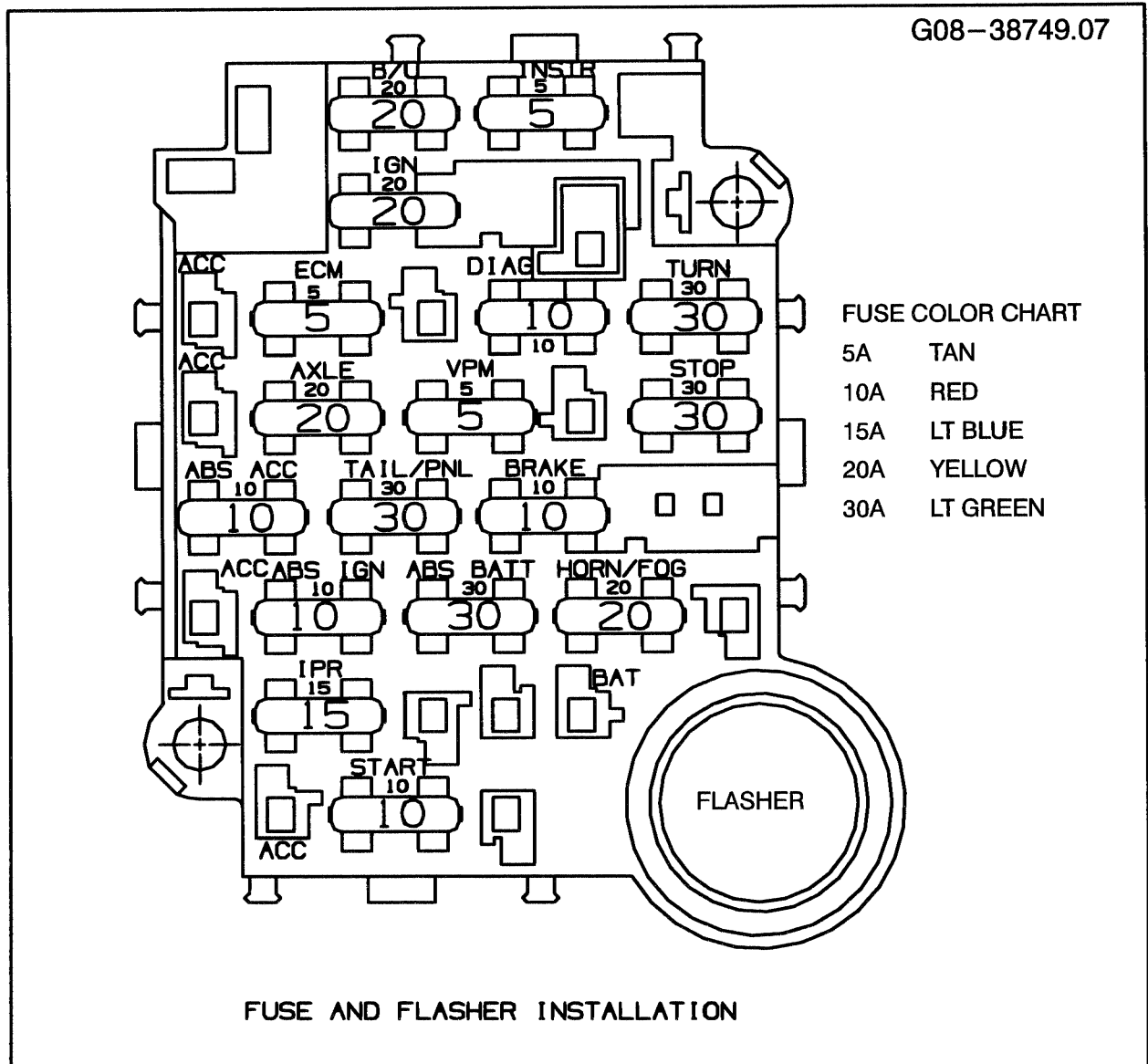


Figure 7.17 – FBC Fuse Panel

## FBC LEFT KICK PANEL

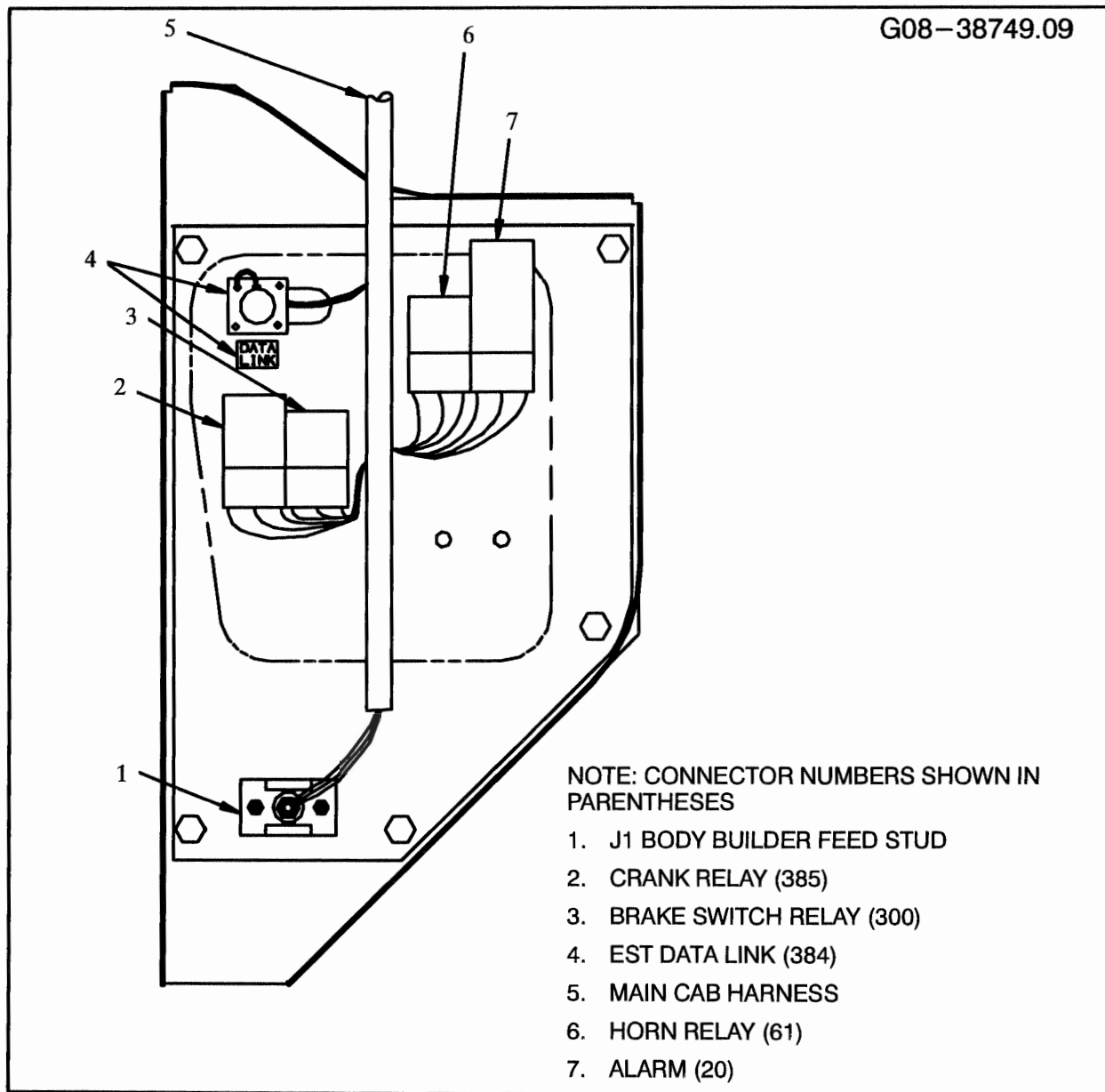
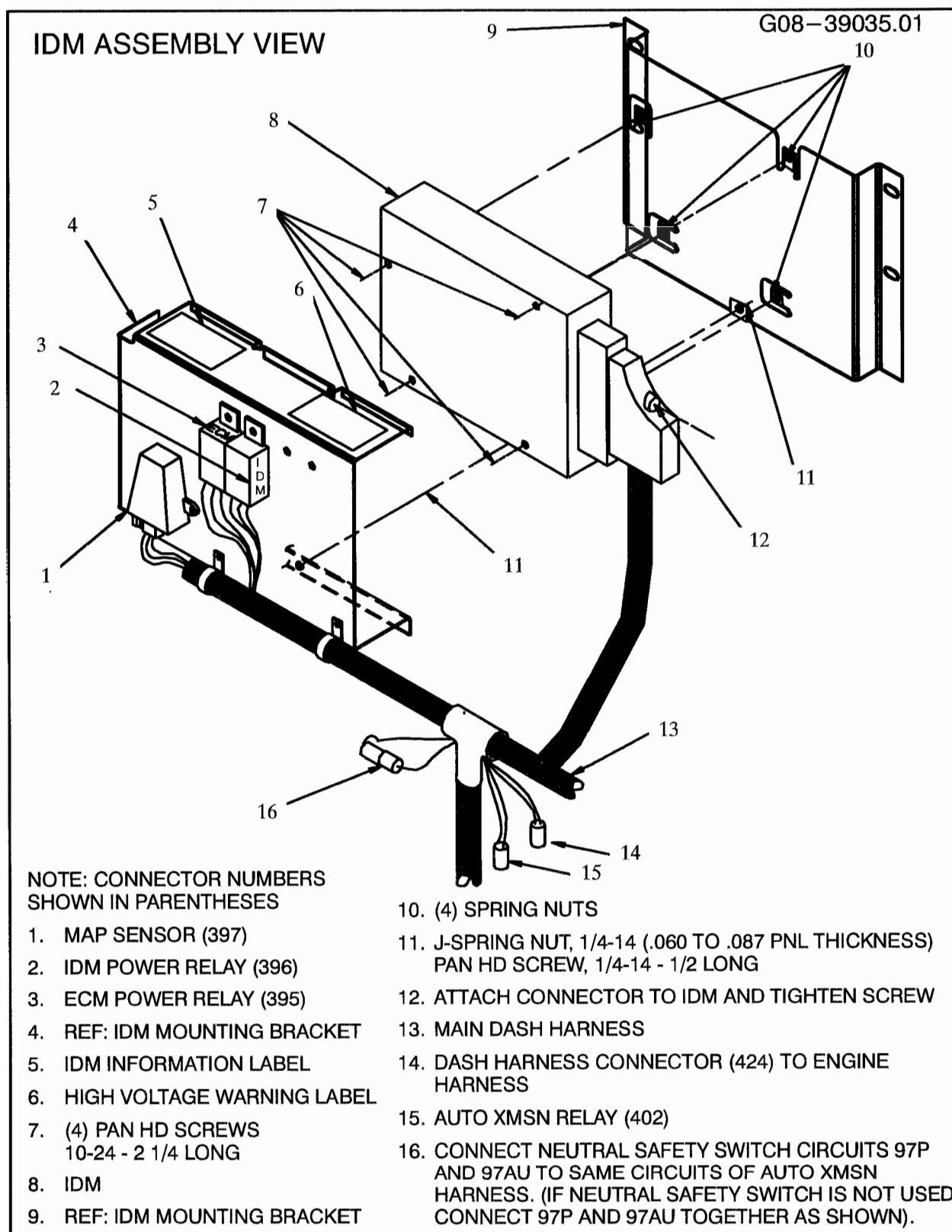


Figure 7.18 – FBC Left Kick Panel

## DASH HARNESS WIRING TRUCK AND FBC (LEFT SIDE)

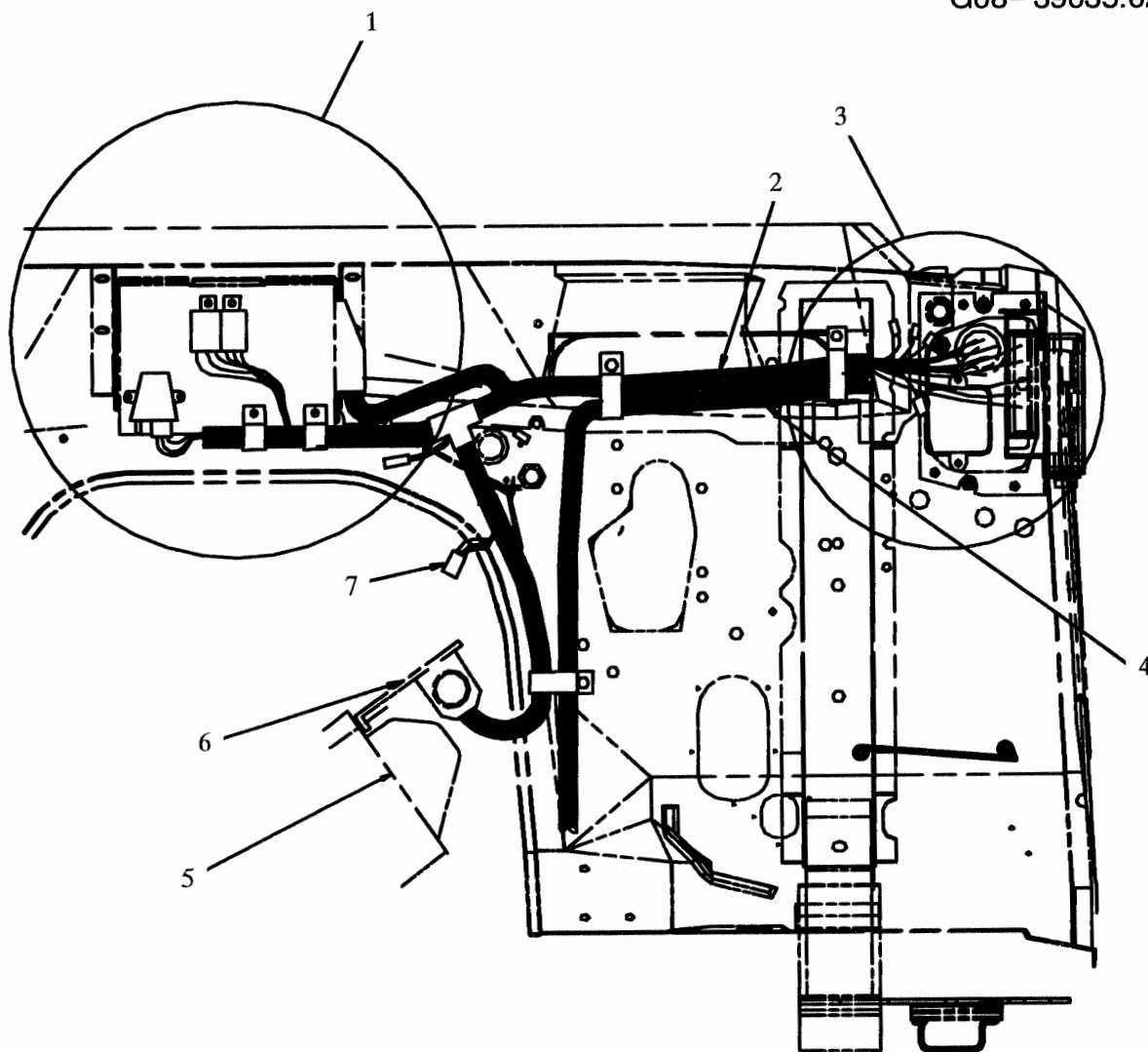


**Figure 7.19 – Dash Harness Wiring Truck And FBC (Left Side)**

## VEHICLE AND COMPONENT ILLUSTRATIONS

### DASH HARNESS WIRING TRUCK AND FBC (CENTER)

G08-39035.02



NOTE: CONNECTOR NUMBERS SHOWN IN PARENTHESES

1. SEE FIGURE 7.19 FOR IDM ASSY CONNECTIONS
2. MAIN DASH WIRING HARNESS
3. SEE FIGURE 7.21
4. MAIN ENGINE HARNESS
5. REF: LEFT VALVE COVER
6. DASH HARNESS 31-WAY CONNECTOR (405) CONNECTS TO ENGINE HARNESS
7. EXHAUST BACK PRESSURE CONNECTOR (410)

**Figure 7.20 – Dash Harness Wiring Truck and FBC (Center)**

## DASH HARNESS WIRING TRUCK AND FBC (LEFT SIDE)

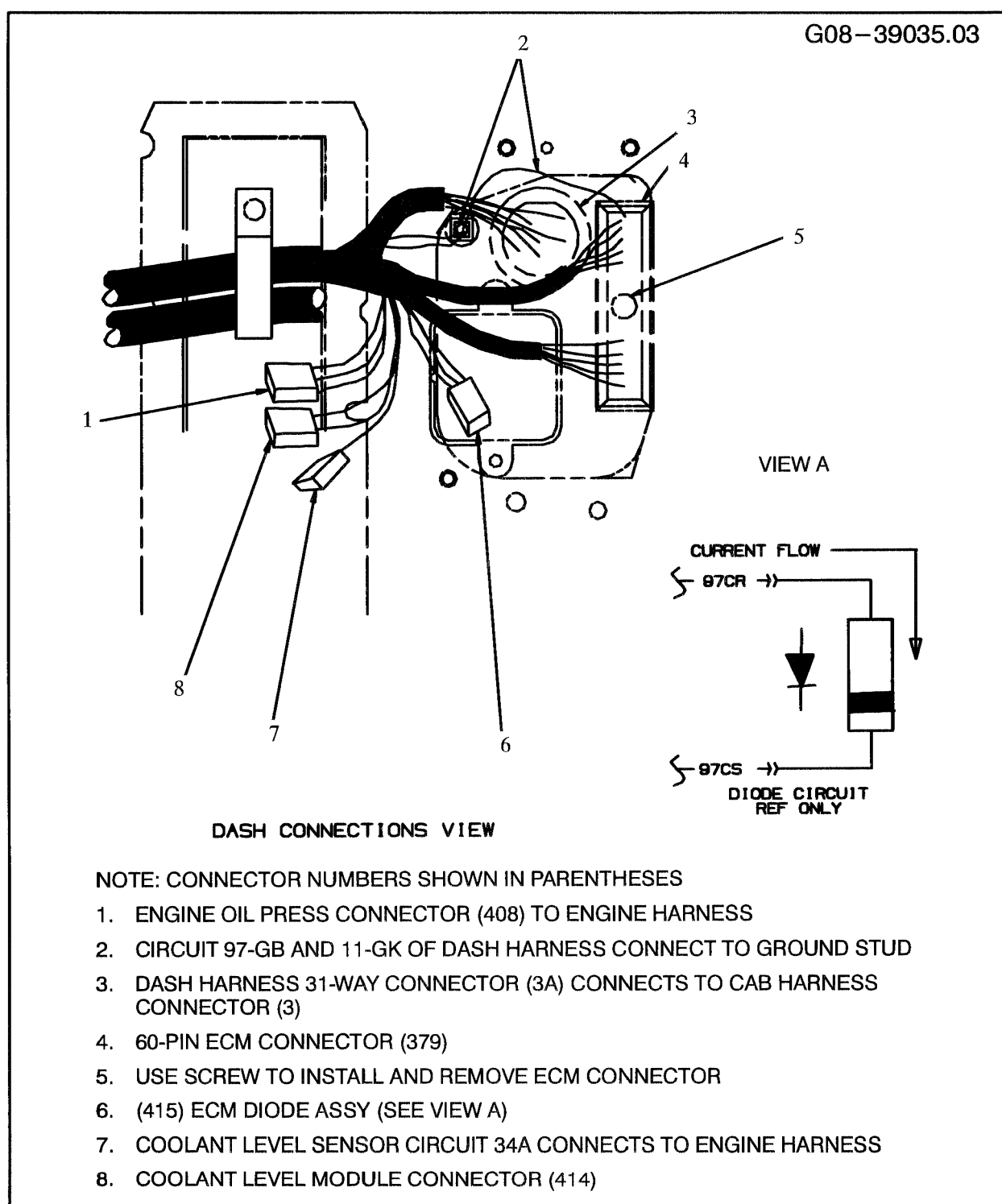
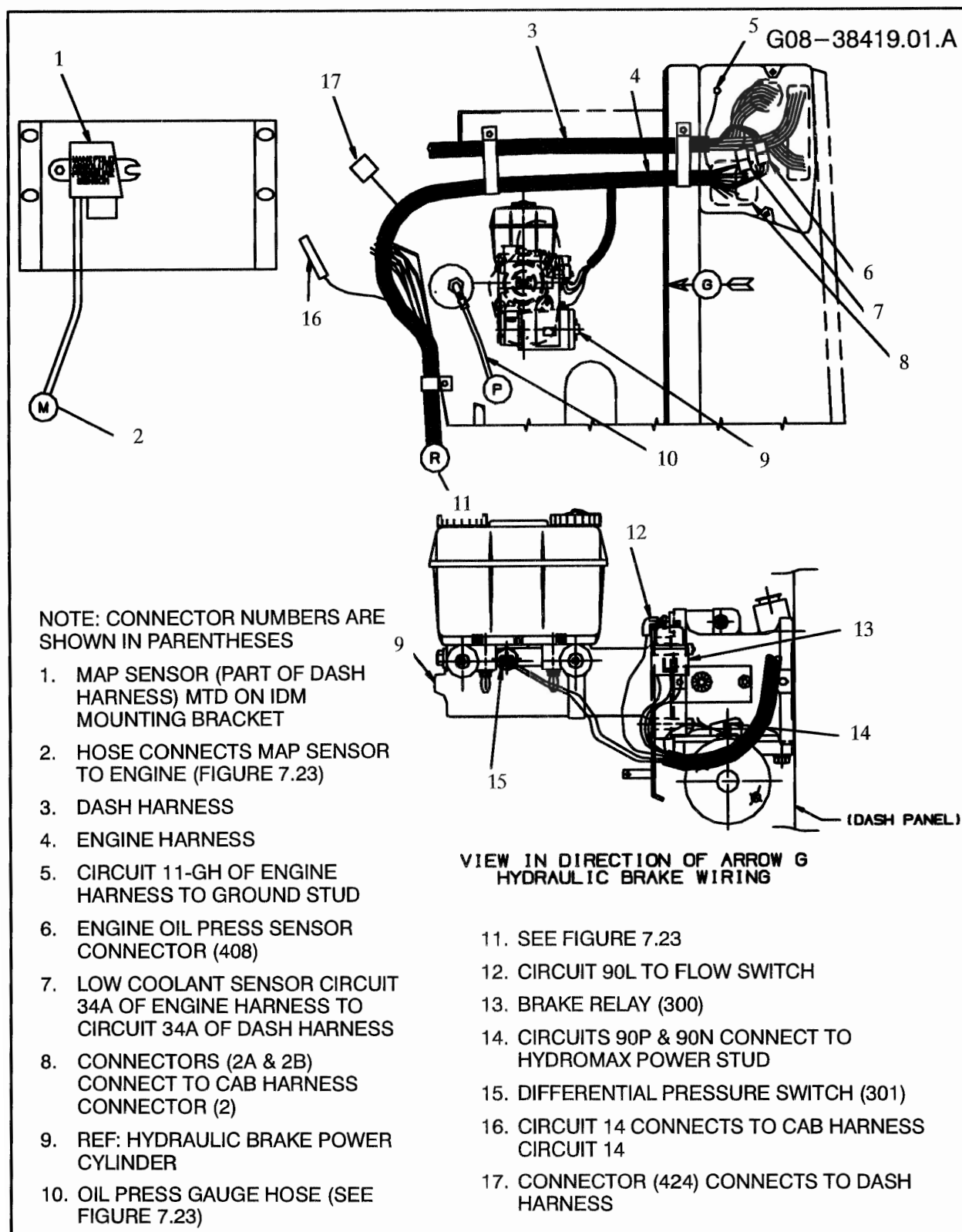


Figure 7.21 – Dash Harness Wiring Truck And FBC (Left Side)

# VEHICLE AND COMPONENT ILLUSTRATIONS

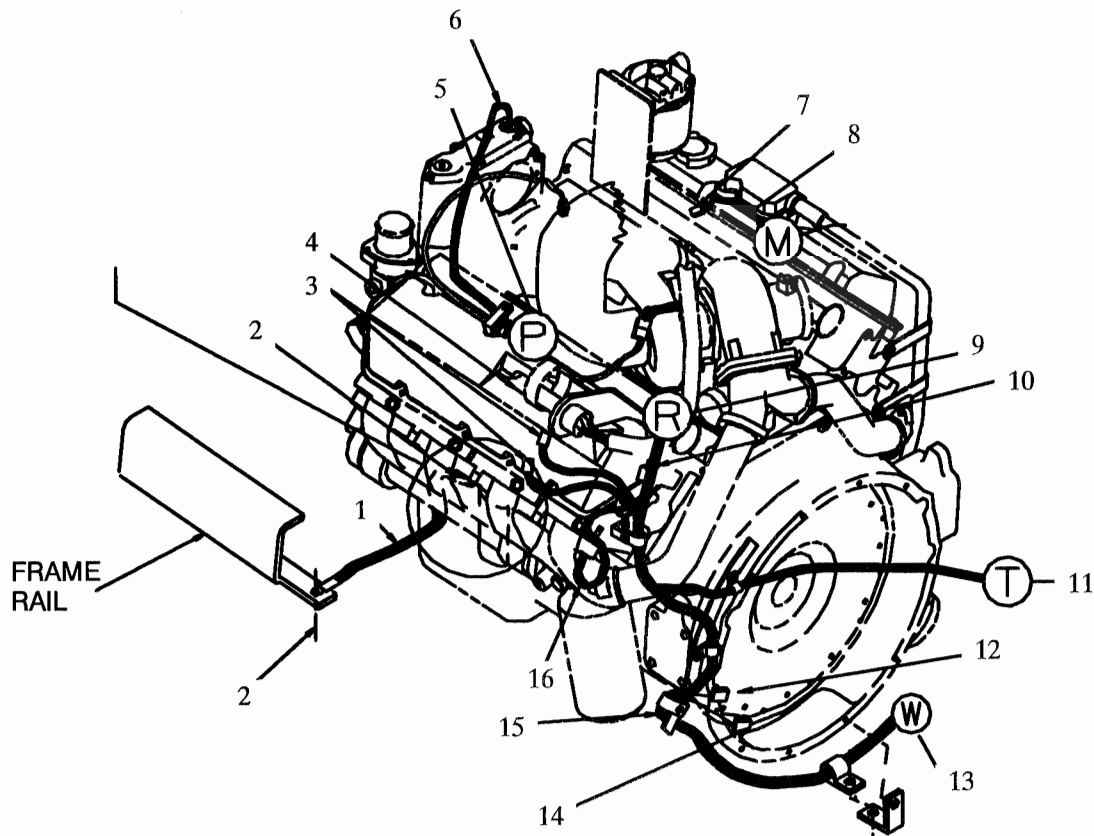
## ENGINE WIRING - TRUCK AND FBC



**Figure 7.22 – W/Truck V8 Electronic Engine Wiring (See Figure 7.29 For FBC)**

## ENGINE WIRING - TRUCK AND FBC (Continued)

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NOTE: CONNECTOR NUMBERS ARE SHOWN IN PARENTHESES

1. GROUND CABLE
2. APPLY GRAPHO GREASE TO COMPLETED CONNECTION
3. REF: HOOD HARNESS CONNECTORS (413 & 425)
4. DASH/ENGINE HARNESS CONNECTOR (405)
5. SEE OIL PRESSURE HOSE FIGURE 7.22
6. OIL PRESSURE HOSE
7. MAP SENSOR HOSE CONNECTOR BARB (SEE FIGURE 7.27 VIEW D AND E)

8. MAP SENSOR HOSE - HOSE MUST FLOW IN CONTINUOUS INCLINE TO MAP SENSOR AS LOW SPOTS IN ROUTING MAY CAUSE WATER POCKETS. (SEE FIGURE 7.22)
9. SEE FIGURE 7.22
10. START MOTOR CRANK RELAY (387)
11. SEE FIGURE 7.25
12. CONNECTOR (426F) TO NEG BATTERY CABLE (SEE FIGURE 7.28 VIEW B)
13. SEE FIGURE 7.24
14. FUEL SENDER W/BUS & FBC COWL ONLY - CIRCUITS 36 & 36-G
15. ENGINE HARNESS
16. ENGINE COOLANT CIRCUITS 29A & 29-G

Figure 7.23 - Electronic Engine Wiring (Truck & FBC)

## VEHICLE AND COMPONENT ILLUSTRATIONS

### ENGINE WIRING - TRUCK AND FBC (Continued)

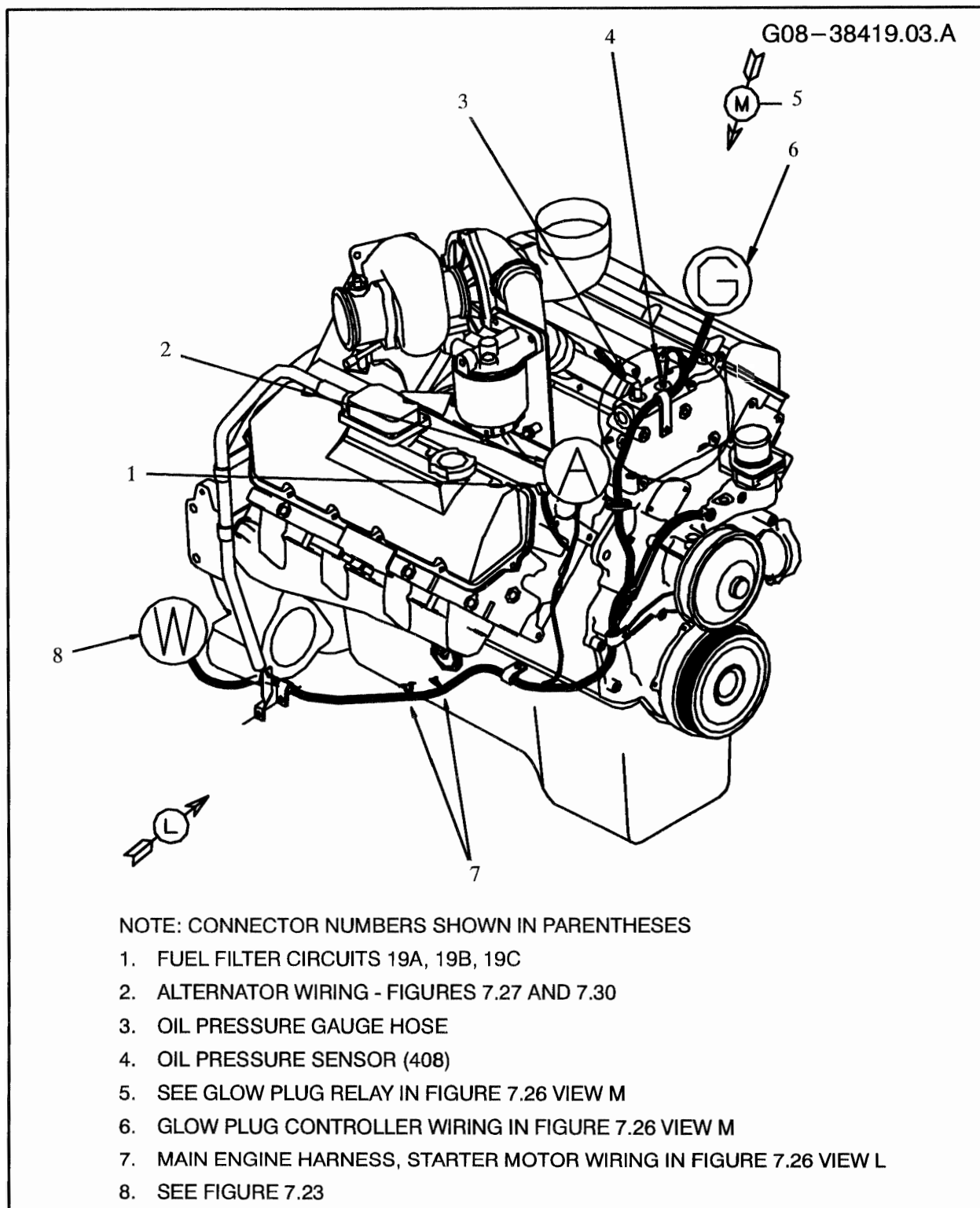


Figure 7.24 – Electronic Engine Wiring (Truck & FBC)



# VEHICLE AND COMPONENT ILLUSTRATIONS

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## ENGINE WIRING AT TRANSMISSION - TRUCK AND FBC

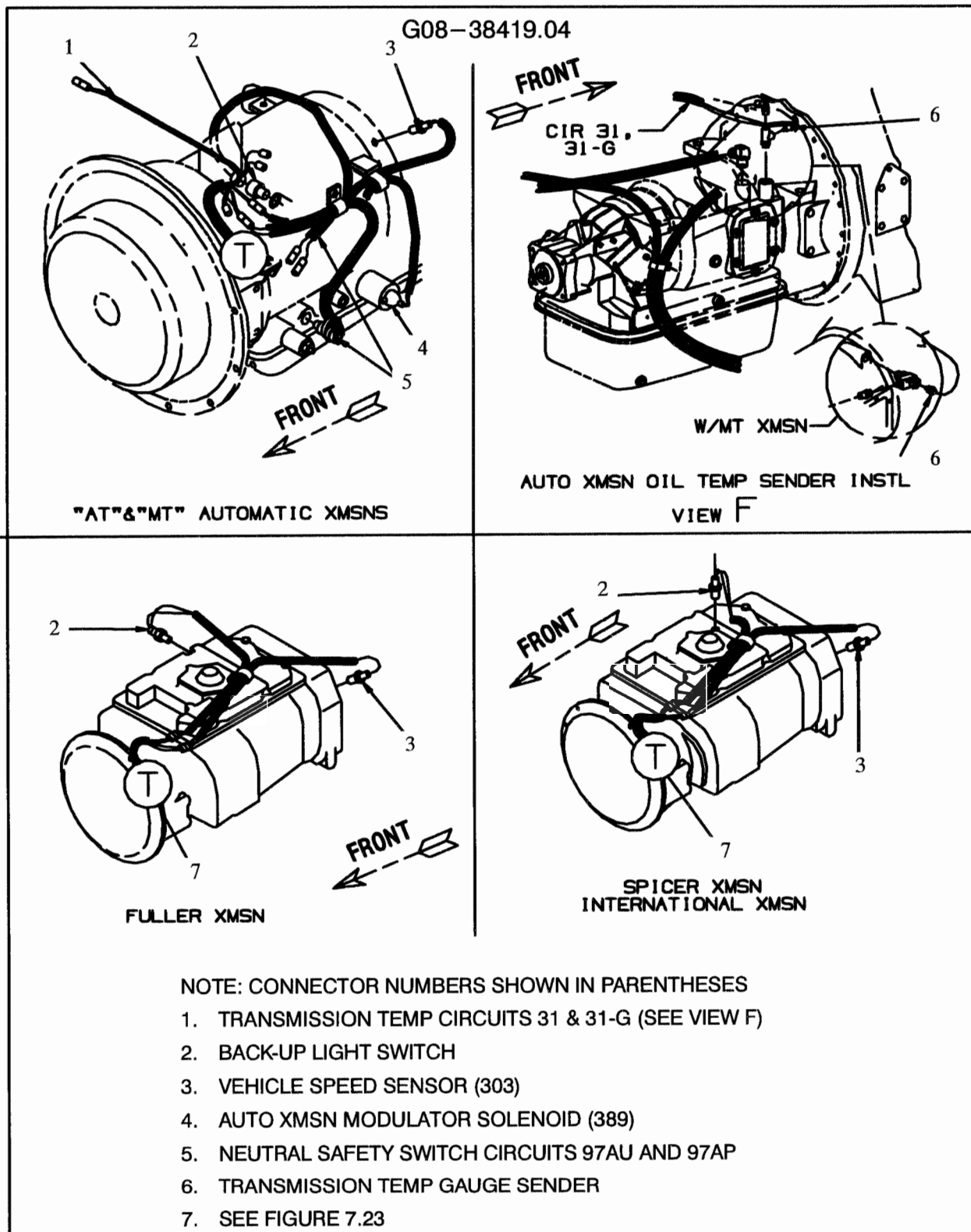


Figure 7.25 - V8 Electronic Engine Wiring At Transmission (Truck & FBC)

# VEHICLE AND COMPONENT ILLUSTRATIONS

## ENGINE WIRING AT STARTER MOTOR - TRUCK AND FBC

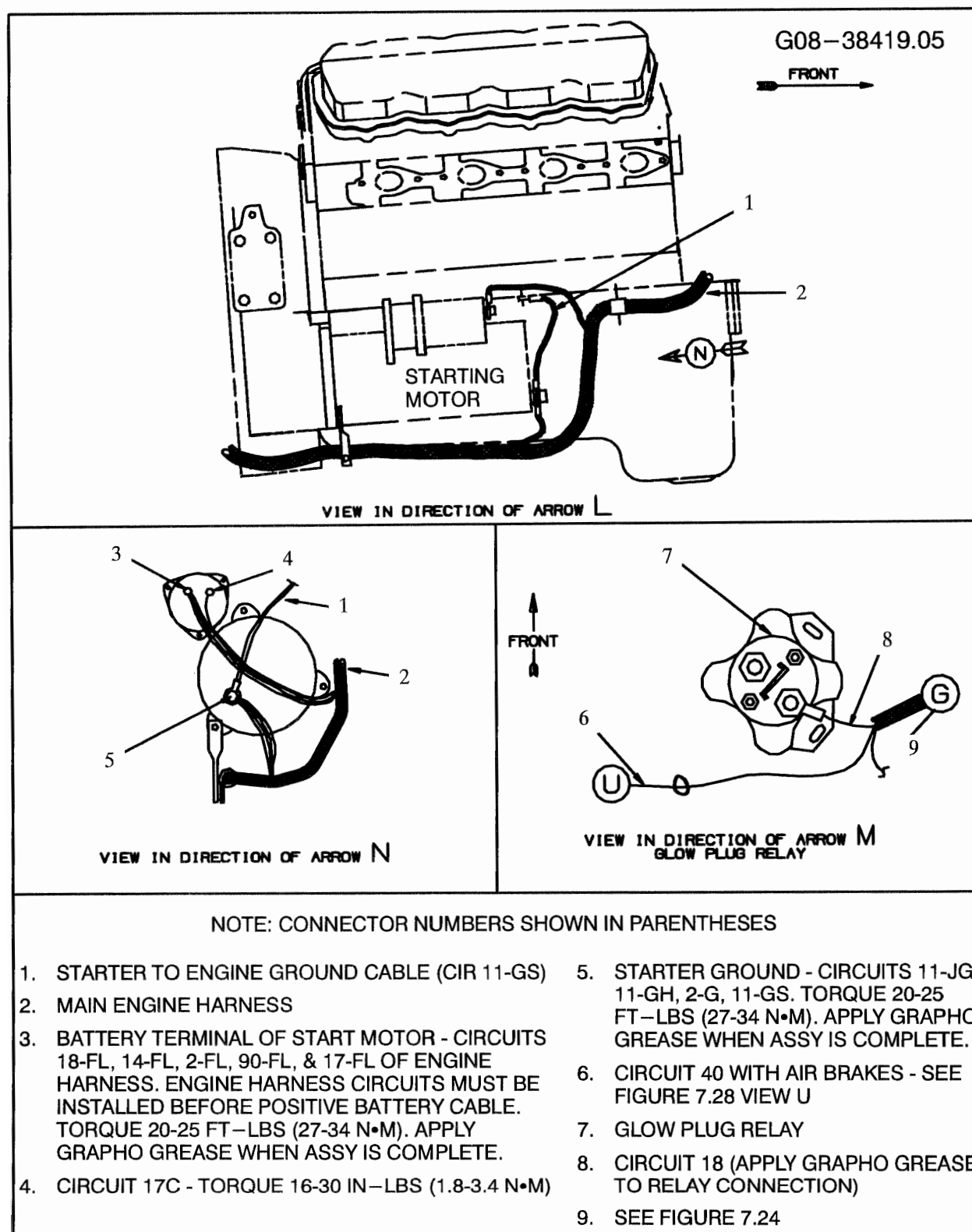


Figure 7.26 - V8 Electronic Engine Wiring (Truck & FBC)

# VEHICLE AND COMPONENT ILLUSTRATIONS

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## ENGINE WIRING ALTERNATORS - TRUCK AND FBC

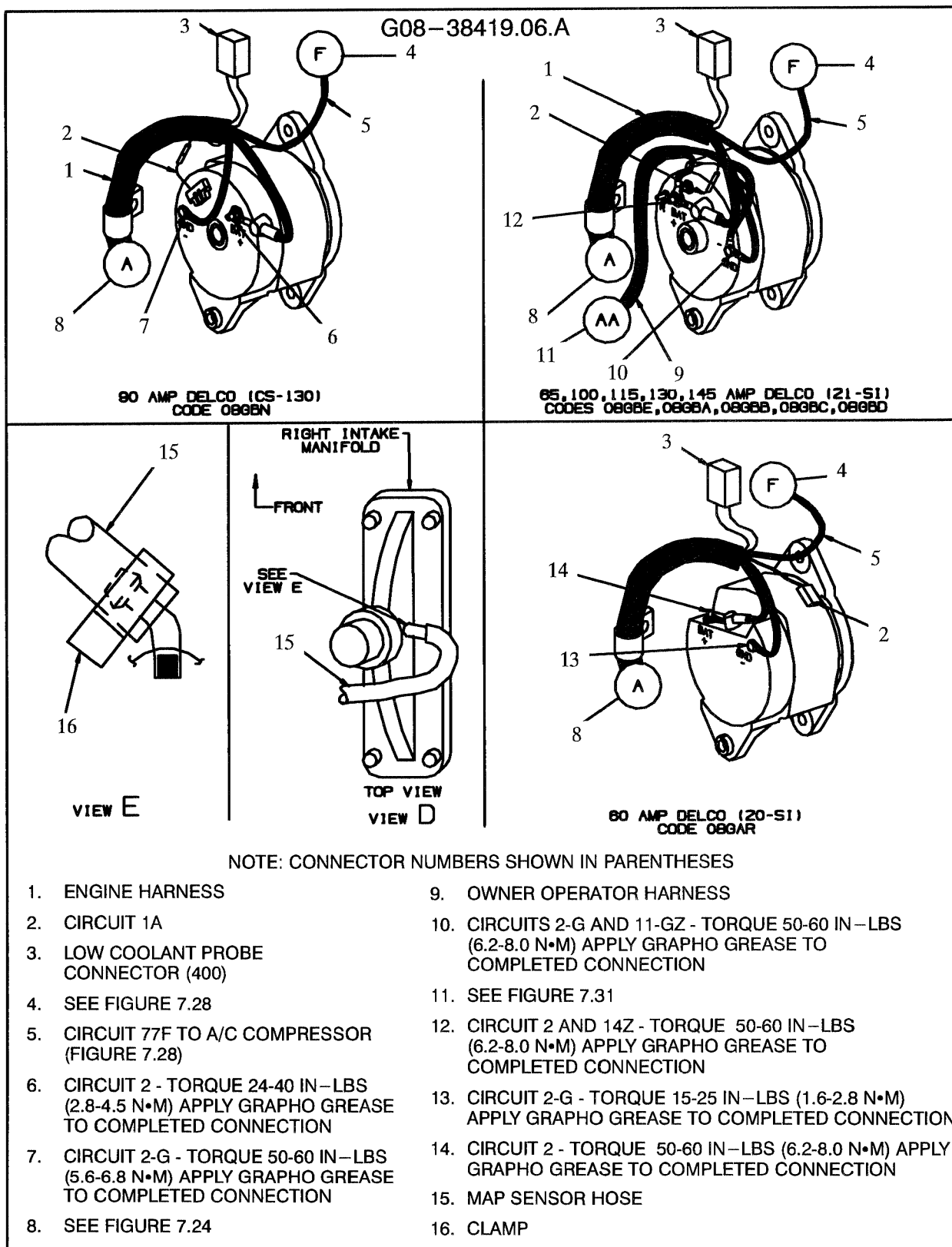


Figure 7.27 - V8 Electronic Engine Wiring (Truck & FBC)

# VEHICLE AND COMPONENT ILLUSTRATIONS

## ENGINE WIRING AT AIR/FREON COMPRESSOR - TRUCK AND FBC

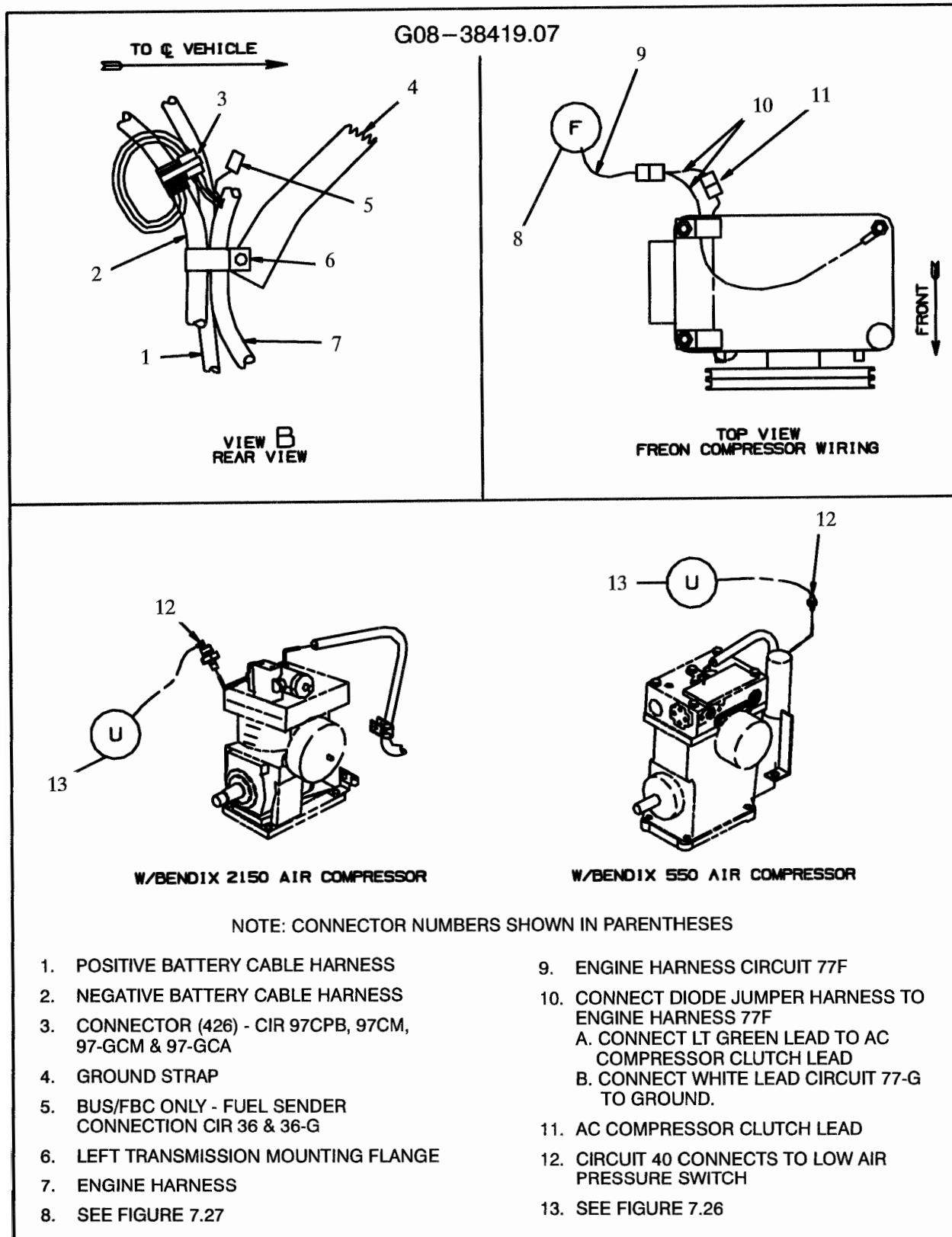


Figure 7.28 - V8 Electronic Engine Wiring (Truck & FBC)