

## SECTION G

# WIRING CIRCUIT DIAGRAMS ALL SERIES

### CONTENTS

Division	Subject	Page No.
I	TRUBLE DIAGNOSIS: (Not Applicable)	
II	DESCRIPTION AND OPERATION: Description of Circuit Diagrams and Fuse Block .....	120-86
III	ADJUSTMENTS AND MINOR SERVICE: (Not Applicable)	
IV	REMOVAL AND INSTALLATION: (Not Applicable)	
V	OVERHAUL AND MAJOR SERVICE: (Not Applicable)	
VI	SPECIFICATIONS: (Not Applicable)	

## DIVISION II

### DESCRIPTION AND OPERATION

#### 120-35 DESCRIPTION OF CIRCUIT DIAGRAMS AND FUSE BLOCK

This section contains pictorial and schematic wiring circuit diagrams for complete car. For more detailed *body* wiring diagrams showing the routing of the wires and the location of the switches, connectors and retaining clips - see the Fisher Body Service Manual.

A central fuse block is mounted on the cowl under the

left side of the instrument panel. This fuse block serves as a convenient junction point for a number of circuits, provides a mounting for the hazard warning flasher, and contains most of the fuses.

To simplify replacement of the wiring, the circuits to the rear of the cowl are grouped in one harness and the circuits forward of the cowl are grouped in another.

The instrument panel wiring harness ends in a multiple connector which is held in the cowl. The engine compartment wiring harnesses plug into this connector at the cowl. This type of connector aids in tracing down electrical troubles.

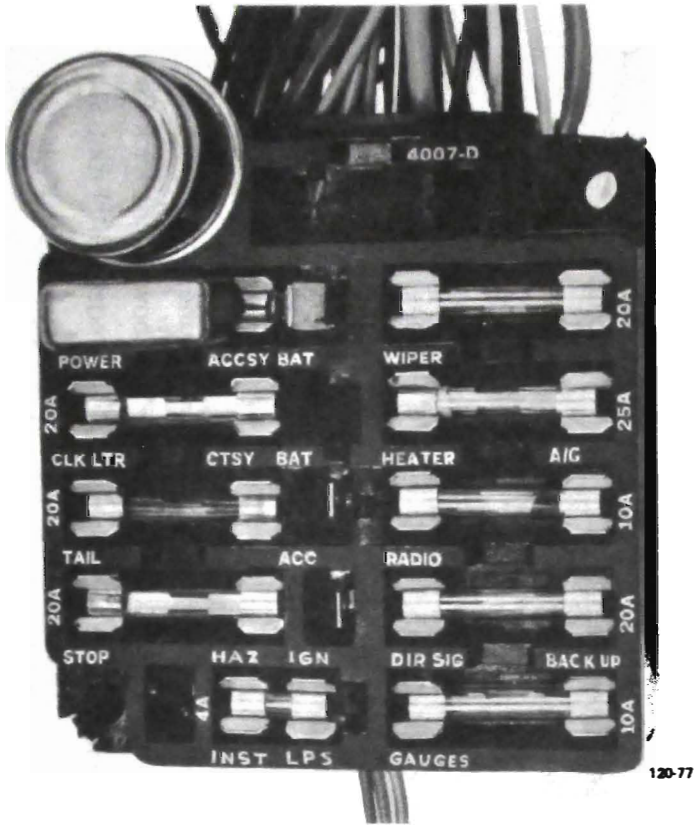


Figure 120-70 Fuse Block - 4D-4F-4G-4H Series

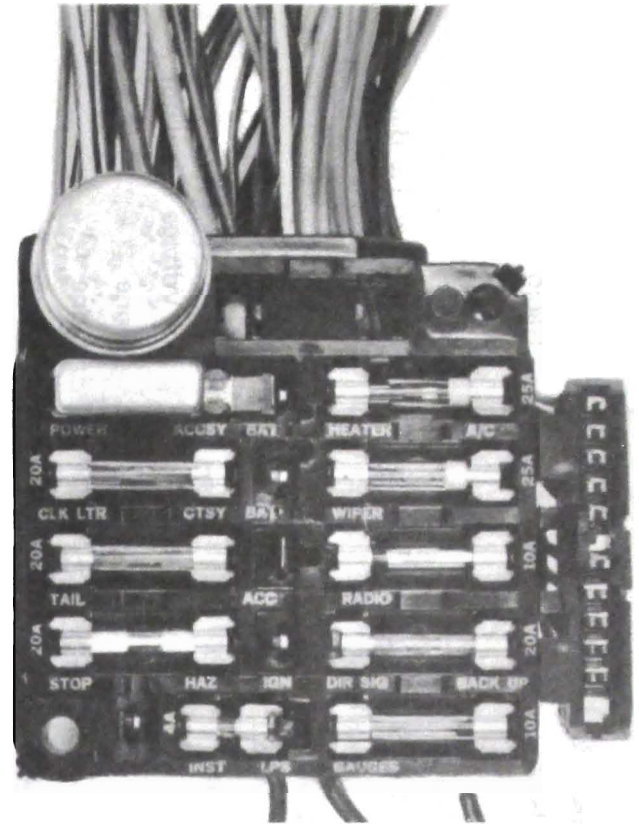


Figure 120-71 Fuse Block - 4L-4N-4R-4P-4U-4V-4Y Series

**120-36 Wiring Diagram Index**

Figure 120-72	Ground and Relay Location Chart.
Figures 120-73 through 120-87	Chassis Electrical Schematic and Installation Wiring 4D-4F-4G-4H Series
Figures 120-88 through 120-106	Chassis Electrical Schematic and Installation Wiring 4L-4N-4R-4P-4U-4V-4Y Series
Figures 120-107 through 120-108	Heater Schematic Wiring Diagrams
Figures 120-109 through 120-115	Air Conditioning Schematic and Installation Wiring Diagrams
Figures 120-116 through 120-139	Miscellaneous Installation and Schematic Diagrams All Series
Figures 120-140 and 120-141	Main Wiring Circuit Diagram
Figure 120-142	Electrical System Special Tools

Electrical Circuit	Series	Ground Location	Relay Location
Buzzer & Horn Relay	4D-4F-4G-4H	Door Jamb, Speedo & Horn Switch	I.P. Above Glove Box
Buzzer & Horn Relay	4L-4N-4R-4P-4U-4V-4Y	Jamb Switch & Horn Switch	Radio Bracket
Cruise	All	Transducer Case	None
Rear Window Defogger	All	Blower to Rear Shelf	None
Heated Rear Glass	All	Right Trunk Bracket & I.P. Lower Tie Bar	I.P. Lower Tie Bar
Wiper	4D-4F-4G-4H	Brake Bracket & Motor Case	None
Wiper	4L-4N-4R-4P-4U-4V-4Y	Radio Bracket & Motor Case	None
Wiper, Demand	4L-4N-4R-4P-4U-4V-4Y	Radio Bracket & Motor Case	None
Ignition & Starter	All	Coil & Starter Case	None
Charging Circuit	All Except 4Y	Generator Field	In Voltage Regulator
Charging Circuit	4Y	Integral Voltage Regulator	None
Fuel Gage	4L-4N-4R-4P-4U-4V-4Y	Brake Bracket & Underbody	None
Fuel Gage	4D-4F-4G-4H	Radio Bracket & Underbody	None
Heater	4L-4N-4R-4P-4U-4V-4Y	Blower to Dash	None
Heater	4L-4N-4R-4P-4U-4V-4Y	Blower to Dash	Right Front of Dash
Air Conditioner	4D-4F-4G-4H	Blower to Dash	Right Front of Dash
Air Conditioner	4L-4N-4R-4P-4U-4V-4Y	Blower to Dash	2 - Right Front of Dash
Air Conditioner Automatic	4L-4N-4R-4P-4U-4V-4Y	Blower to Dash	3 - Right Front of Dash
I.P. Illumination	4D-4F-4G-4H	Brake Pedal Bracket	None
I.P. Illumination	4L-4N-4R-4P-4U-4V-4Y	Radio Bracket	None
Indicator Lights	4D-4F-4G-4H	Sender Switch & Generator Field	None
Indicator Lights	4L-4N-4R-4P-4U-4V-4Y	Sender Switch & Generator Field	None
I.P. Gages	4D-4F-4G-4H	Sender Switch & Tank Unit	None
Back-Up & T.C.S. Solenoid	All	Back-Up Lamps & Trans. Switch	None
Dome & Clock	4D-4F-4G-4H	Door Jamb Switch & I.P. Ground	None
Dome & Trunk Release	4L-4N-4R-4P-4U-4V-4Y	Door Jamb Switch & Solenoid	None
Radio Trans. D.S. & Map Light	4L-4N-4R-4P-4U-4V-4Y	Radio Bracket & Transmission Case	None
Turn Signals	All	Bulkhead & Trunk Striker	None
Cornering Lamps	4L-4N-4R-4P-4U-4V-4Y	Bulkhead	None
Max. Trac.	4L-4N-4R-4P-4U-4V-4Y	Controller	None
Door & Seat Back Lock	4L-4N-4R-4P-4U-4V-4Y	Solenoids	Above Right Kick Pad
6-Way Power Seat	4L-4N-4R-4P-4U-4V-4Y	Motor & Clutch Solenoid	Under Left Front Seat
Power Windows	4L-4N-4R-4P-4U-4V-4Y	Motors	Above Left Kick Pad

Figure 120-72 Ground and Relay Location Chart



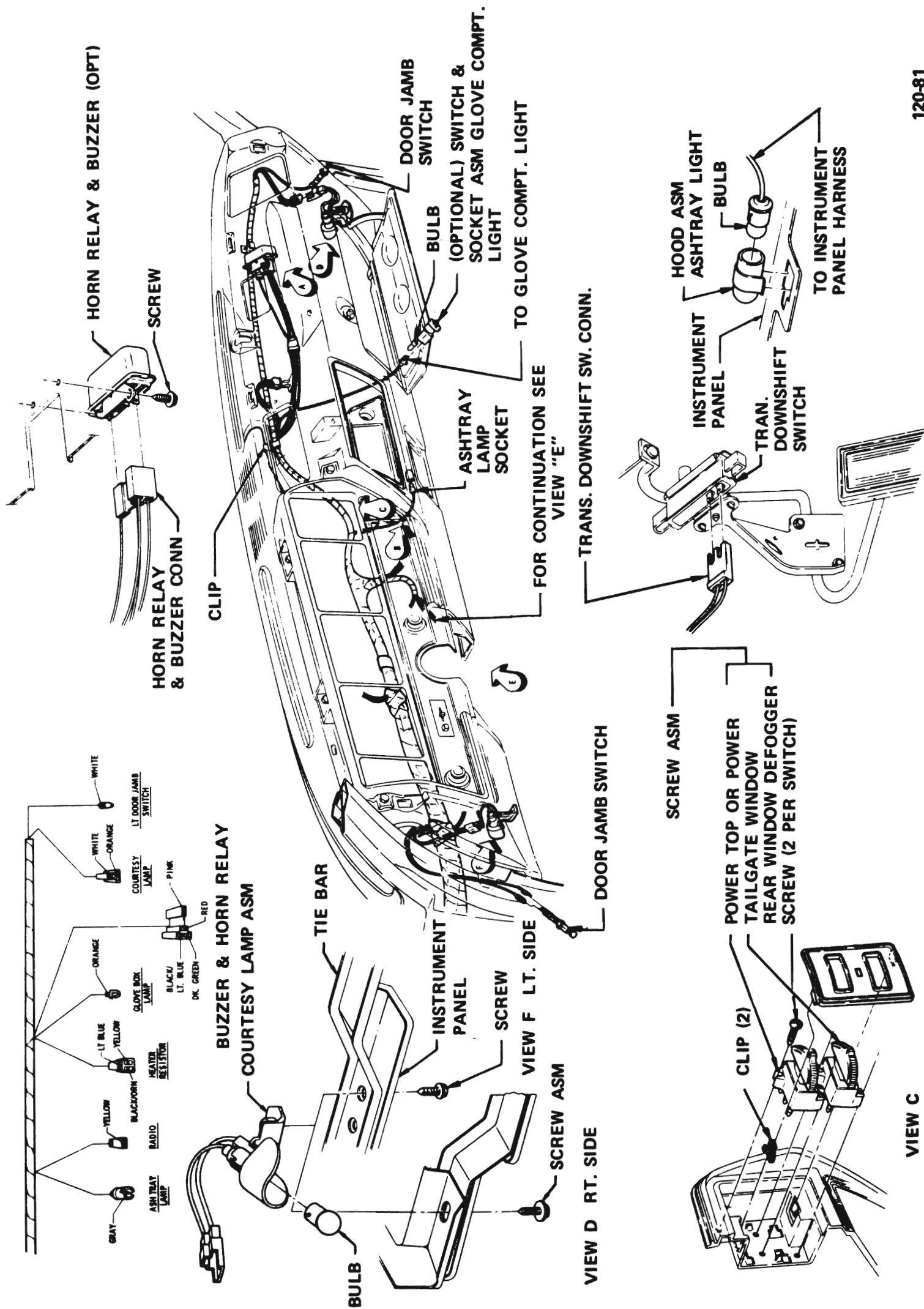


Figure 120-74 Instrument Panel Wiring 4D-4F-4G-4H Series



1 THM 400 TRANS. DOWNSHIFT SWITCH CONNECTOR (FOR MANUAL TRANS. SEE PAGE 12-8.3)

2 (TAPE BACK TO HARNESS WHEN TACHOMETER IS SPECIFIED)

3 NEUTRAL START SWITCH CONNECTOR (FOR MANUAL TRANS. SEE PAGE 12-8.3)

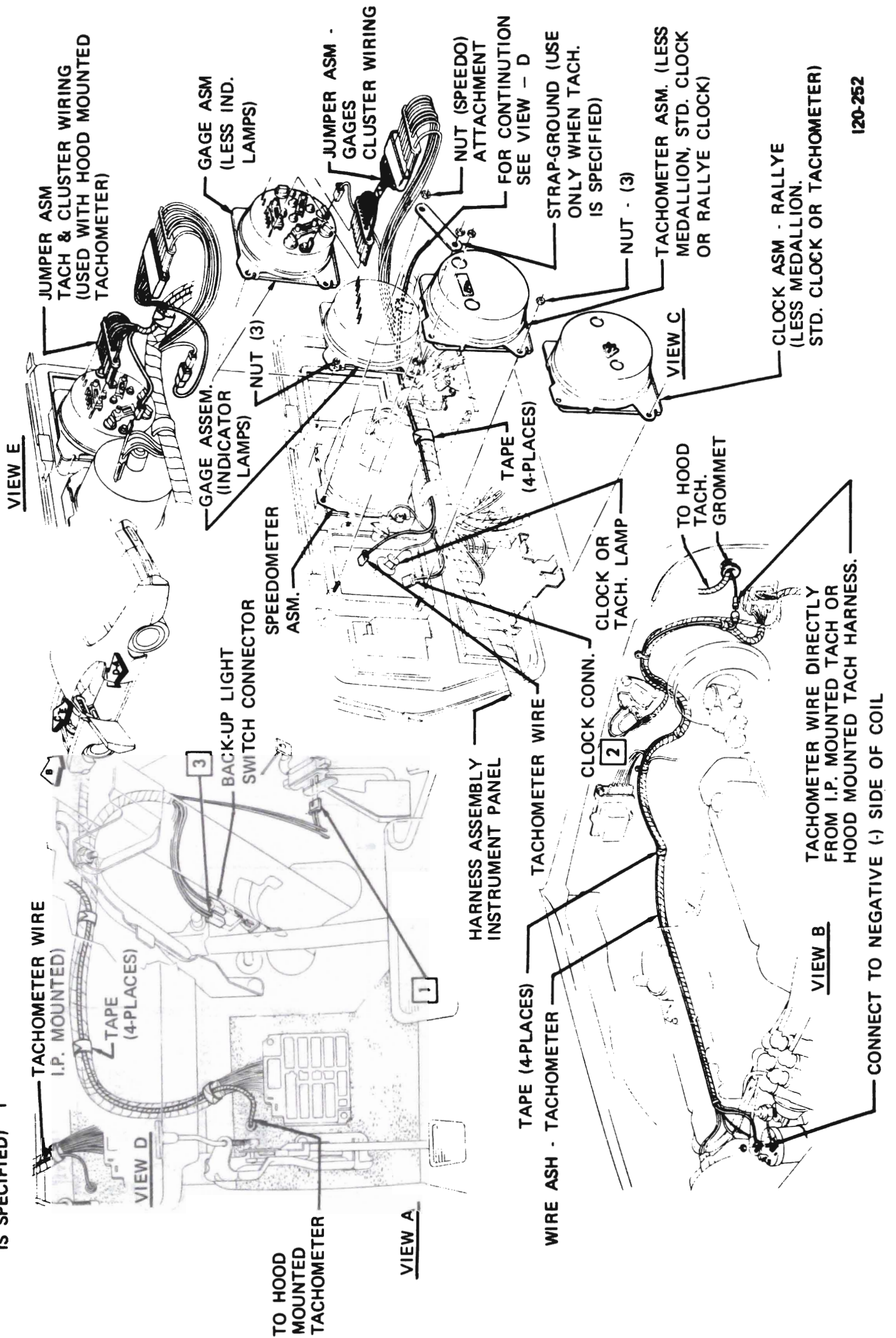


Figure 120-75 Gauges, Tachometer, Rallye Clock 4D-4H-4G Series

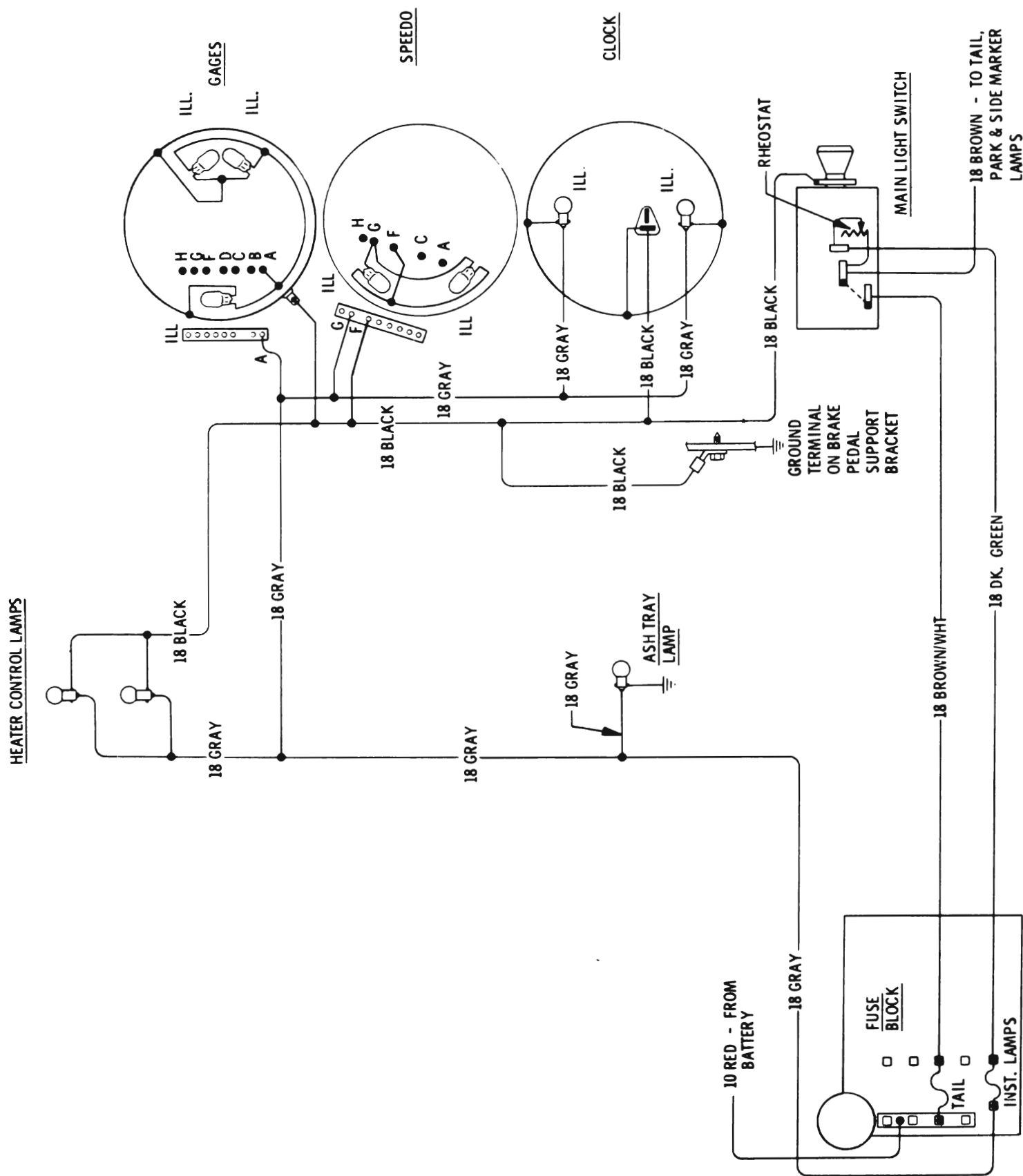


Figure 120-76 Instrument Illumination Lights 4D-4F-4G-4H

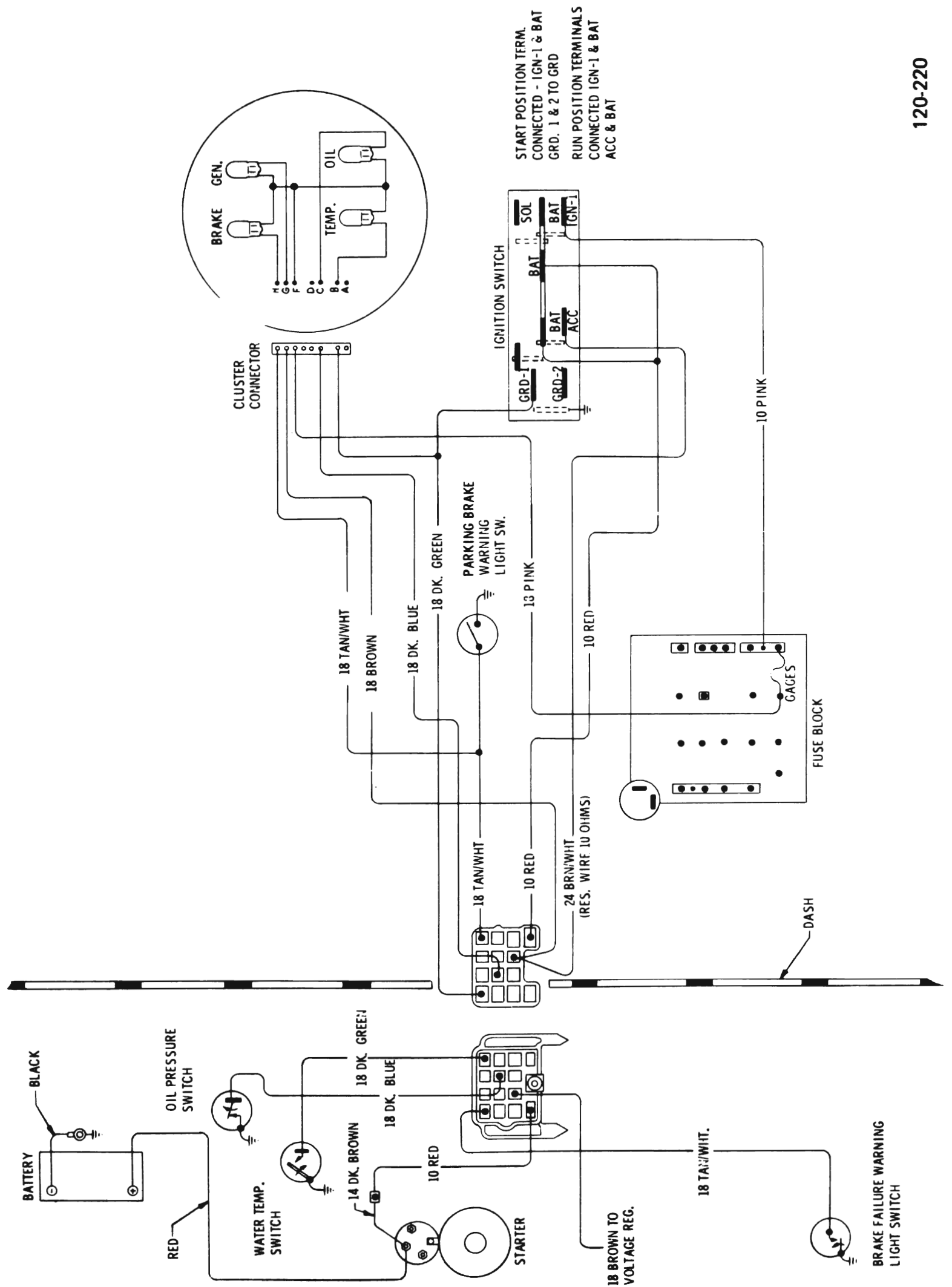
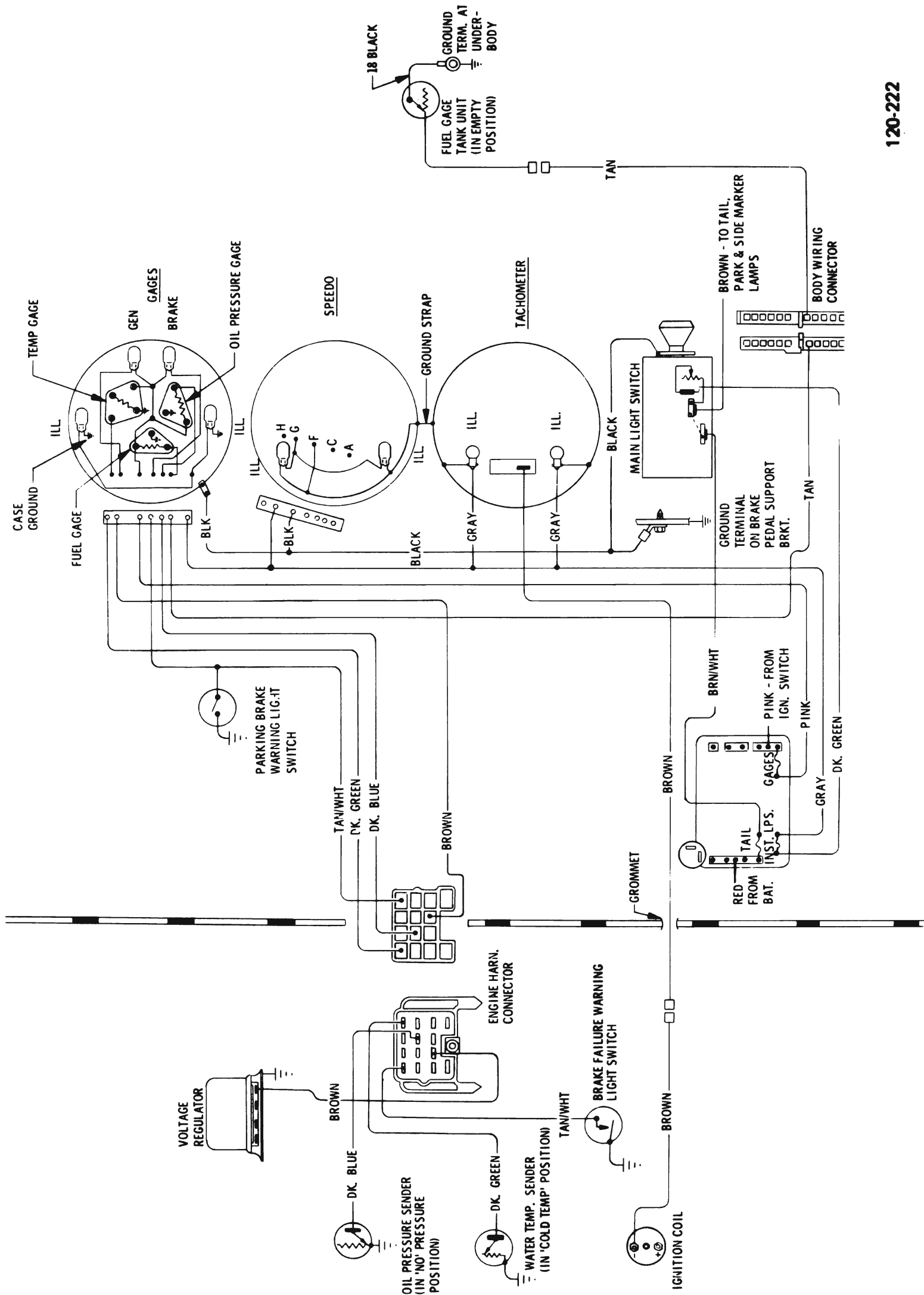


Figure 120-77 Instrument cluster indicator Lights Wiring Diagram 4D-4F-4G-4H Series





120-222

Figure 120-78 Instrument Cluster Gauges Wiring Diagram 4D-4H-4G Series

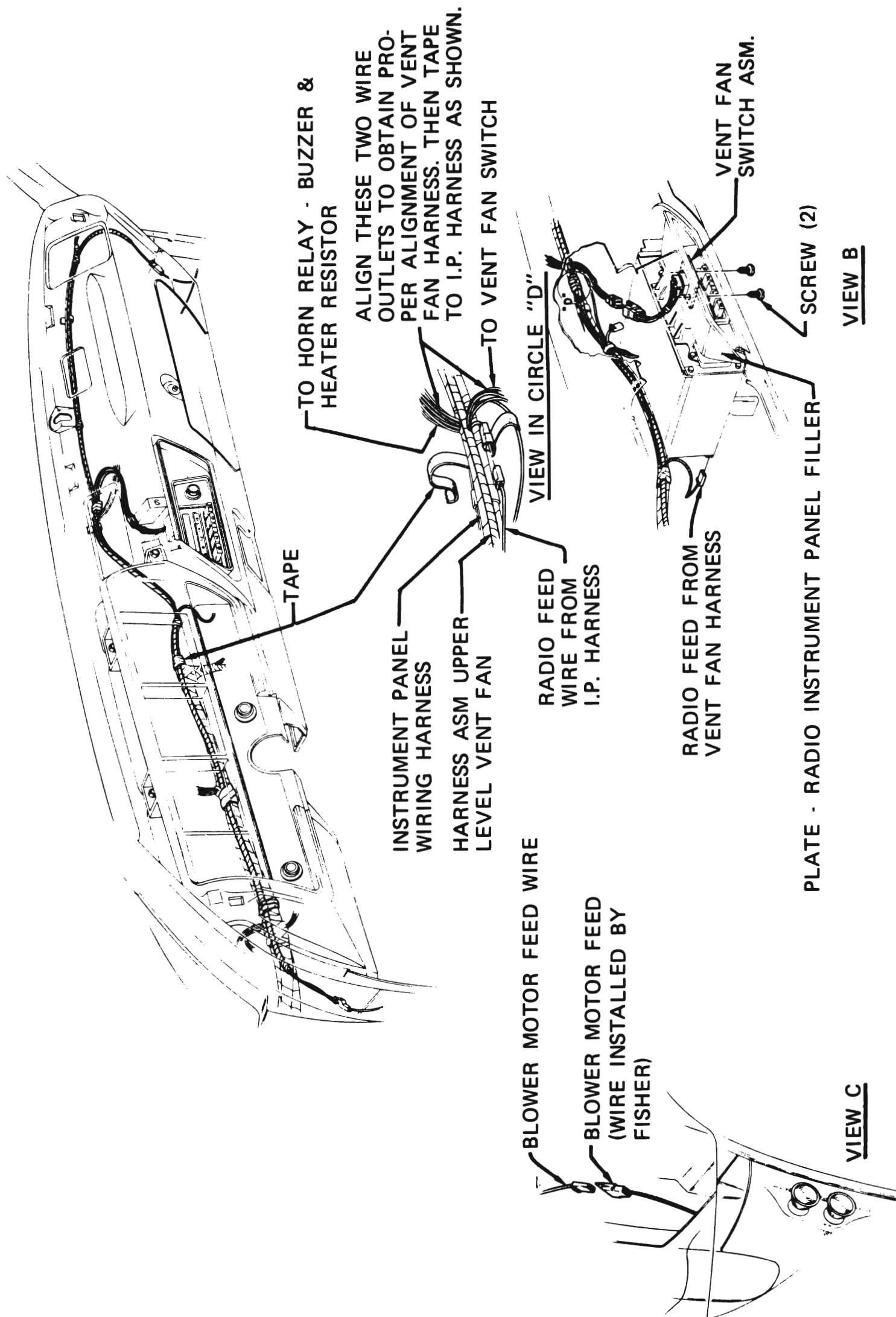


Figure 120-79 Upper Level Vent Fan 4D-4F-4G-4H Series

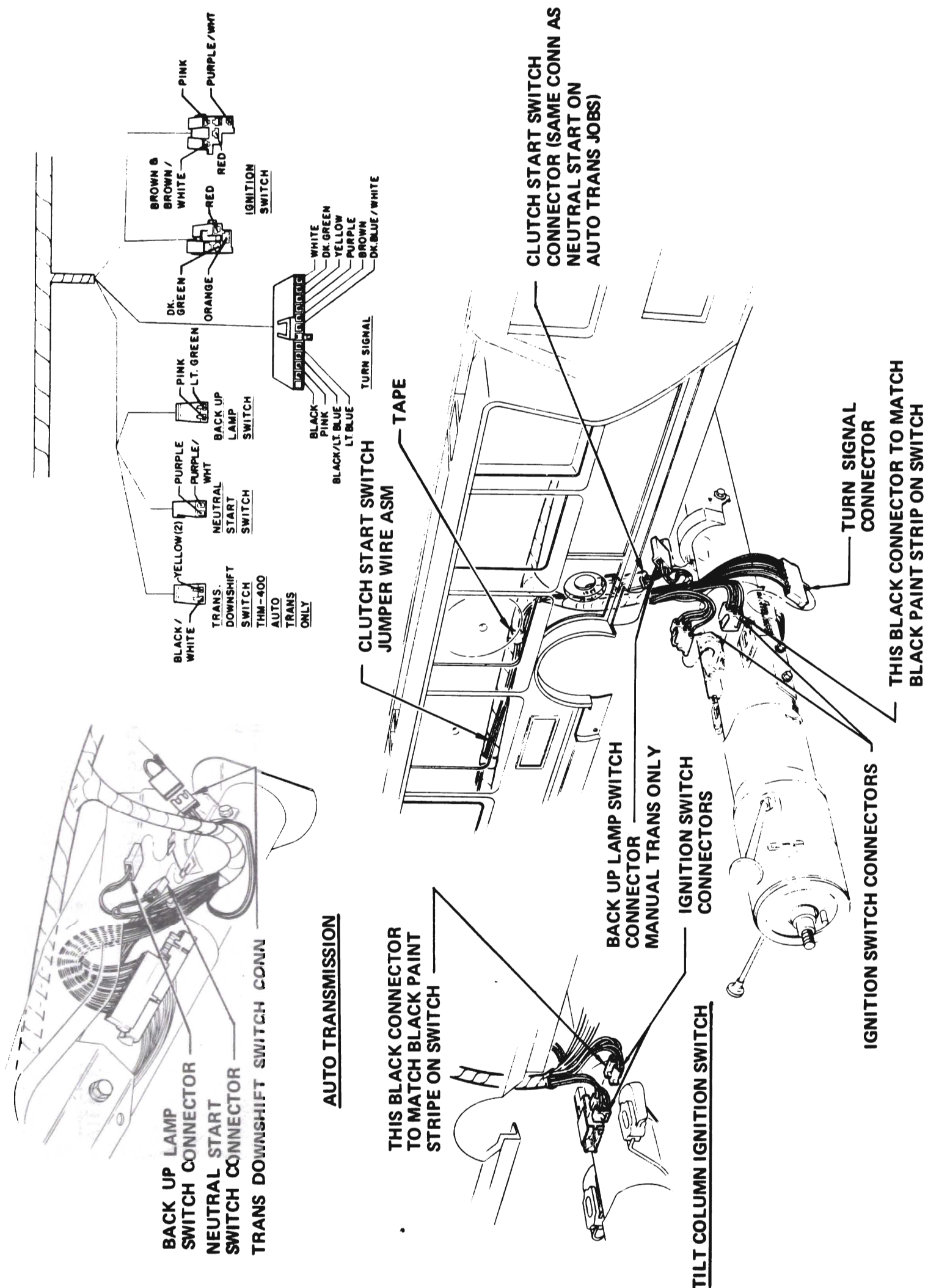


Figure 120-80 Steering Column Wiring 4D-4F-4G-4H Series

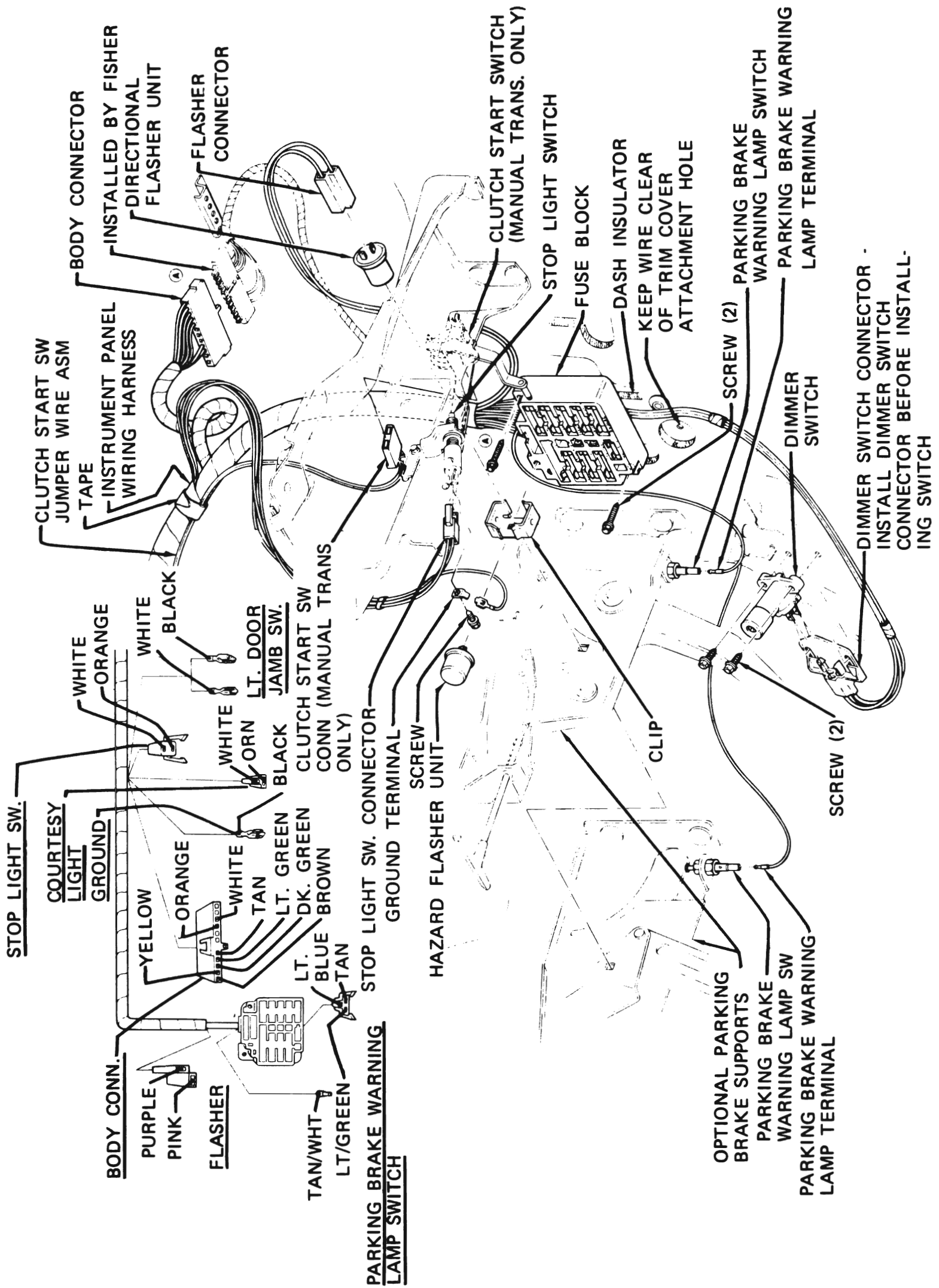


Figure 120-81 Fuse Block Wiring 4D-4F-4G-4H Series

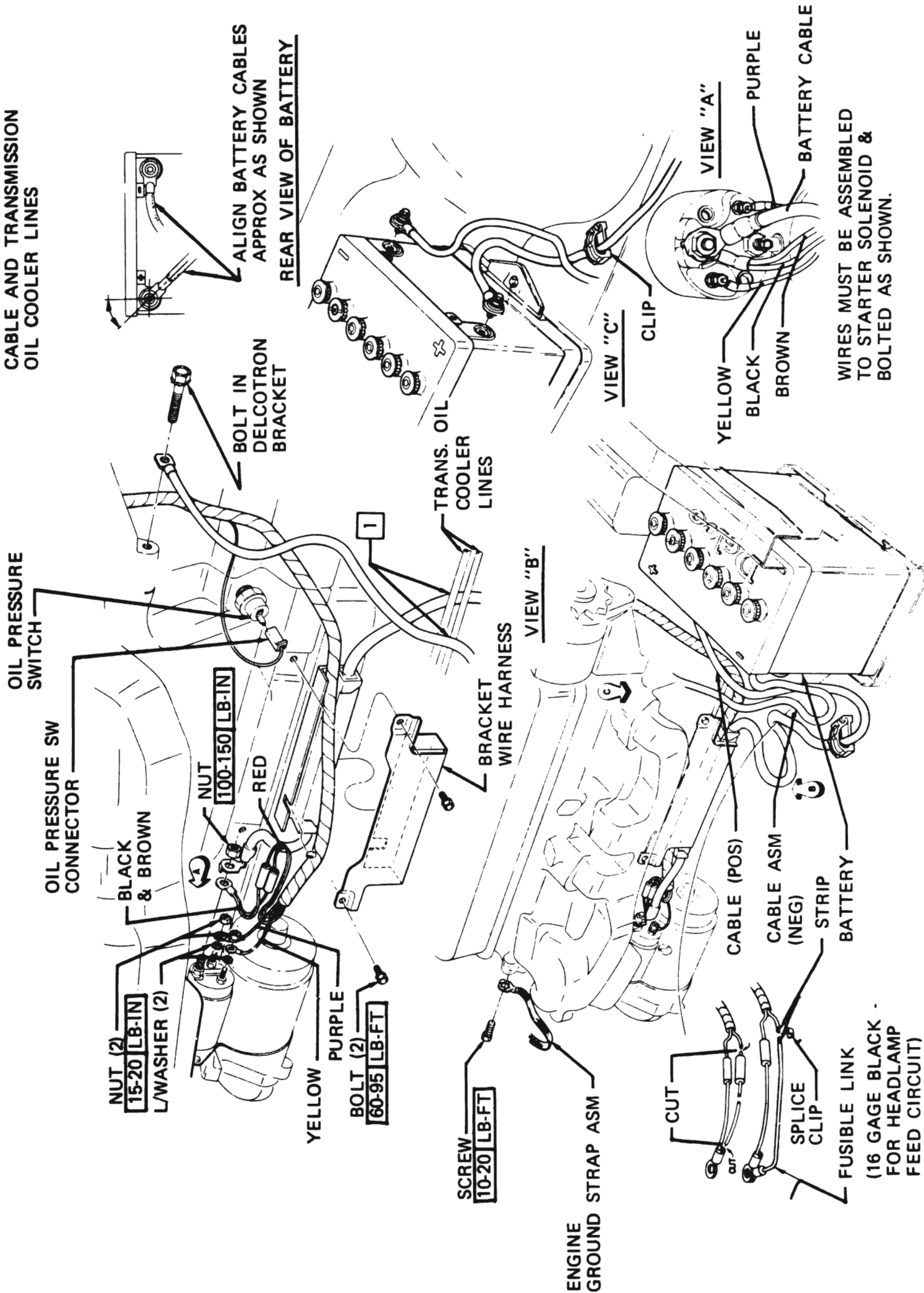








1 ADJUST CABLES THRU CLIPS TO ALLOW A MINIMUM OF .50 INCH CLEARANCE BETWEEN CABLE AND TRANSMISSION OIL COOLER LINES



ALIGN BATTERY CABLES APPROX AS SHOWN REAR VIEW OF BATTERY

BOLT IN DELCOTRON BRACKET

VIEW "A" CLIP

VIEW "B" CLIP

VIEW "C" CLIP

WIRES MUST BE ASSEMBLED TO STARTER SOLENOID & BOLTED AS SHOWN.

TO REPAIR DAMAGED FUSIBLE LINK CUT OFF DAMAGED WIRE AS SHOWN. STRIP BACK INSULATION, SPLICE WIRES WITH SPLICE CLIP AND SOLDER. TAPE SPLICE WITH DOUBLE LAYER OR ELECTRICAL TAPE.

Figure 120-85 Battery Cable Wiring 455 Engine 4D-4F-4G-4H Series

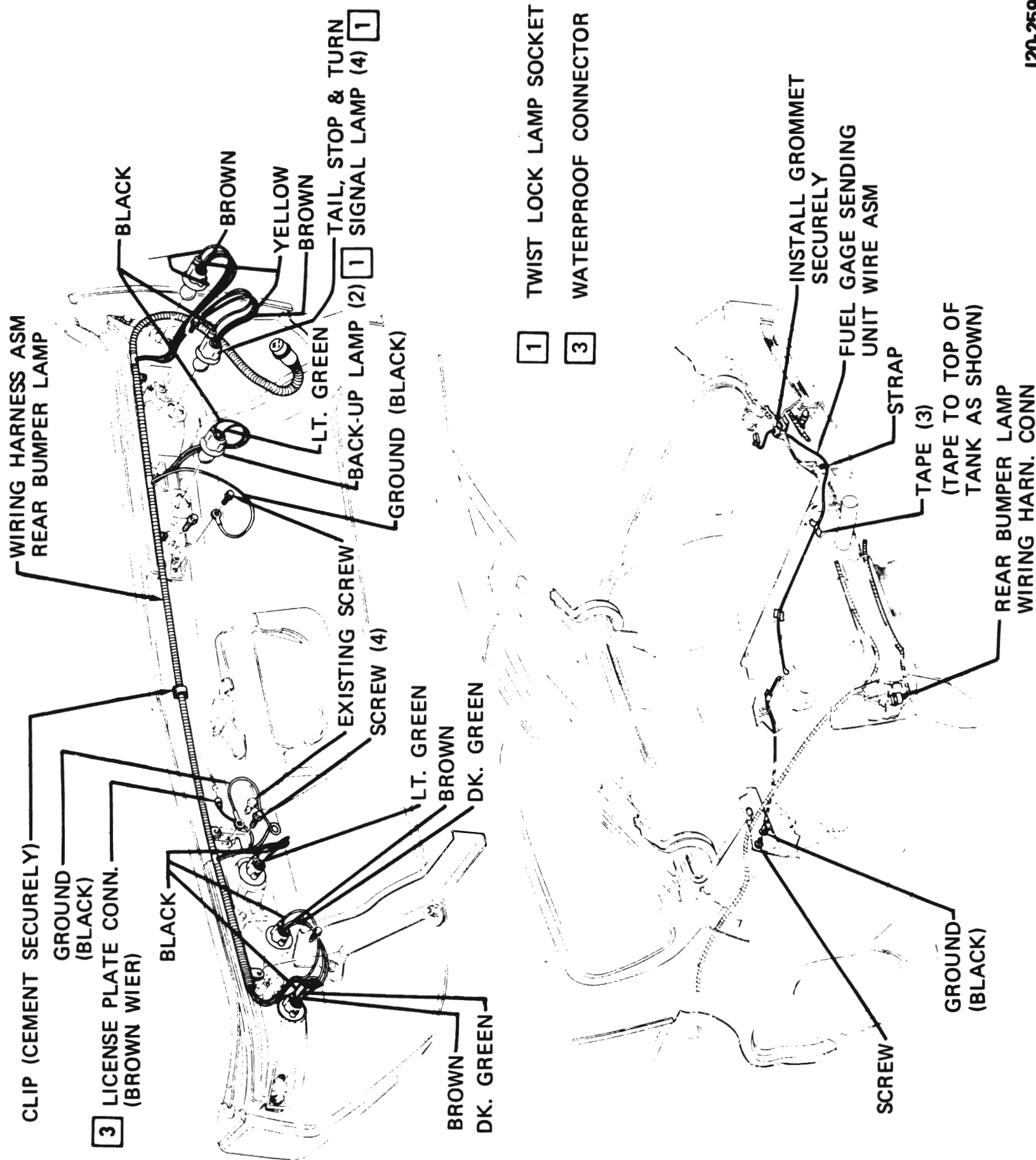


Figure 120-86 Rear Lamp and Fuel Tank Wiring 4D-4G-4H Series (Less Wagon)

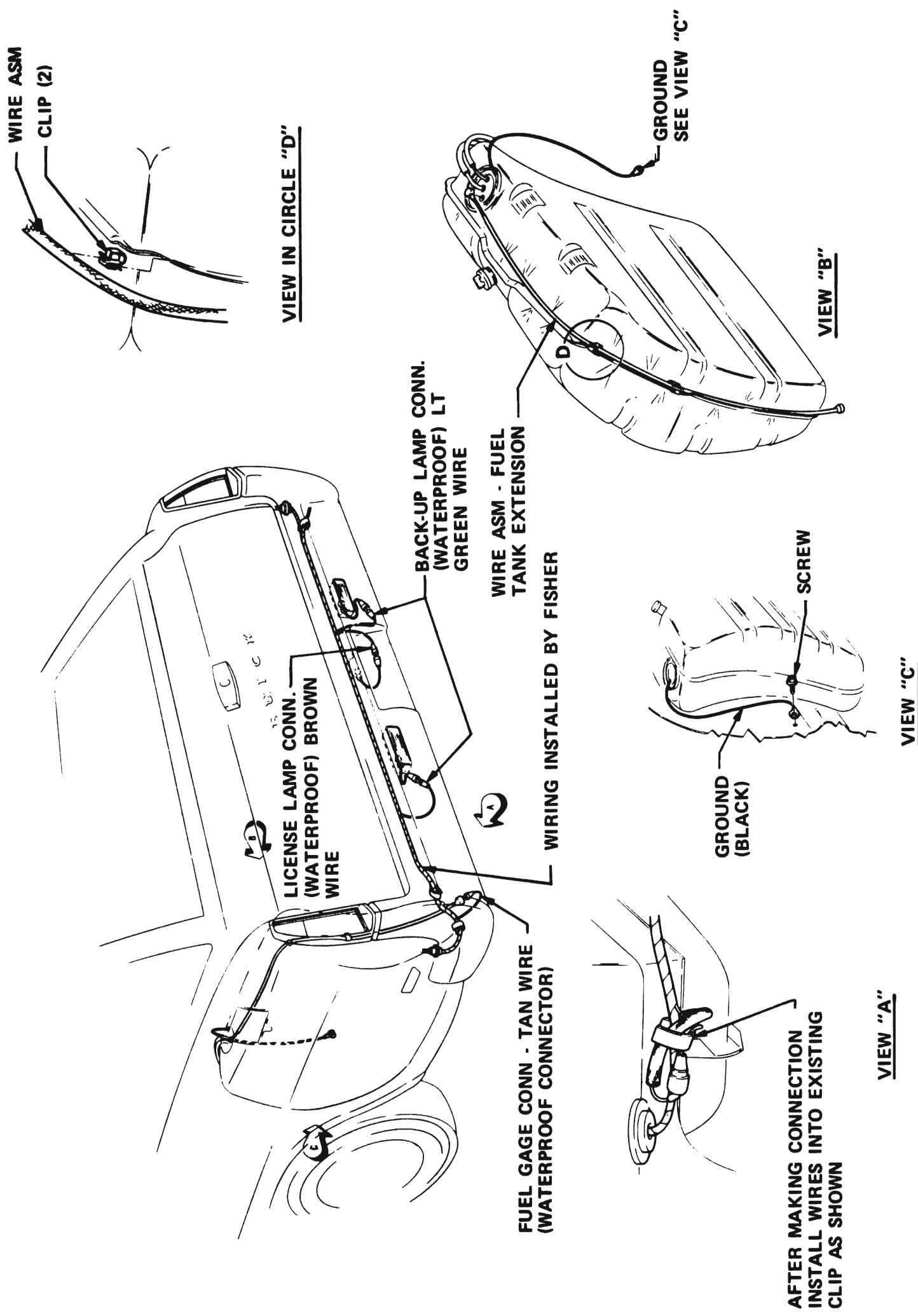
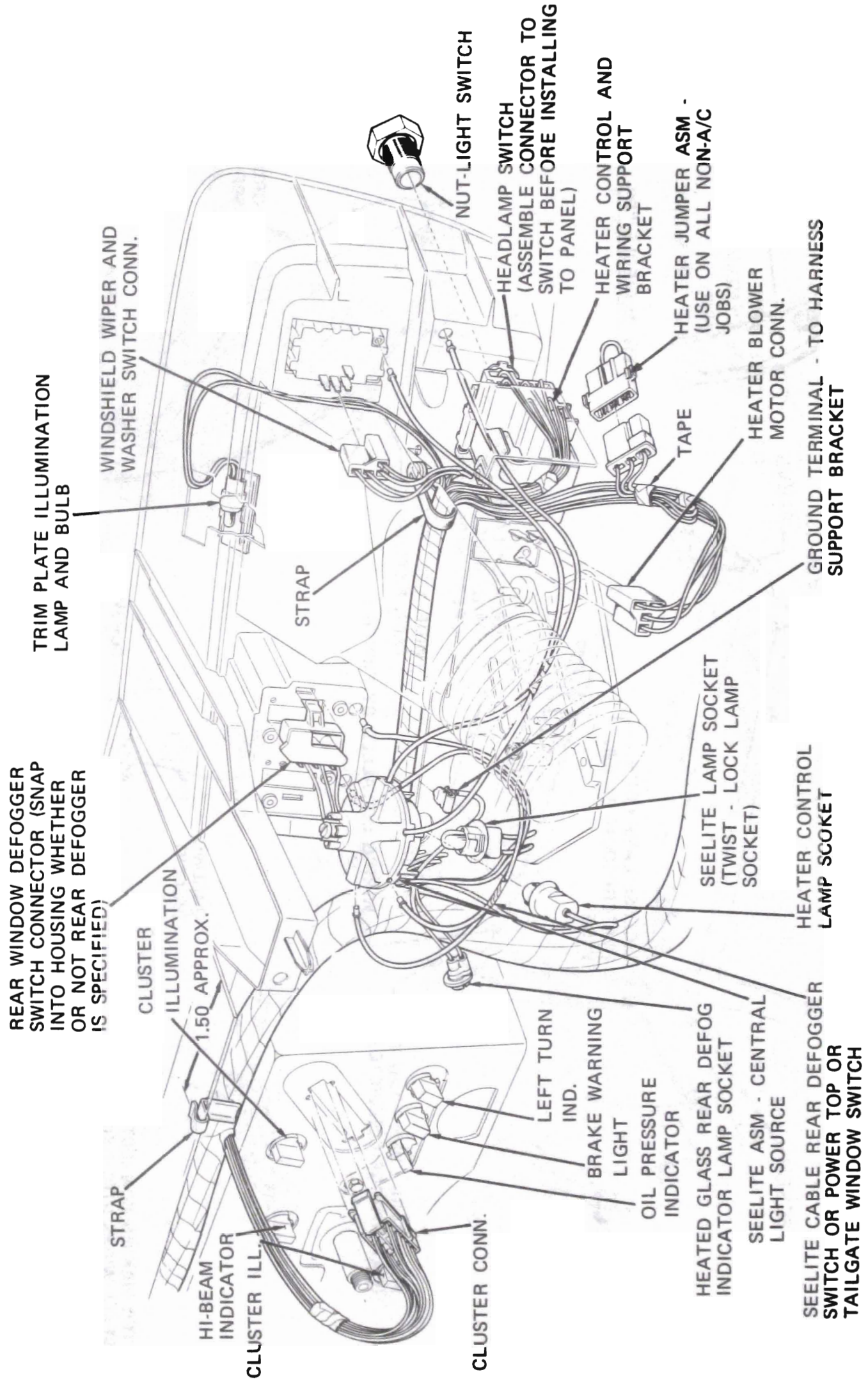


Figure 120-87 Real Lamp and Fuel Tank Wiring (Wagon) 4F Series





120-260

Figure 120-88 Left Side of Instrument Cluster Wiring 4L-4N-4R-4P-4U-4V-4Y Series

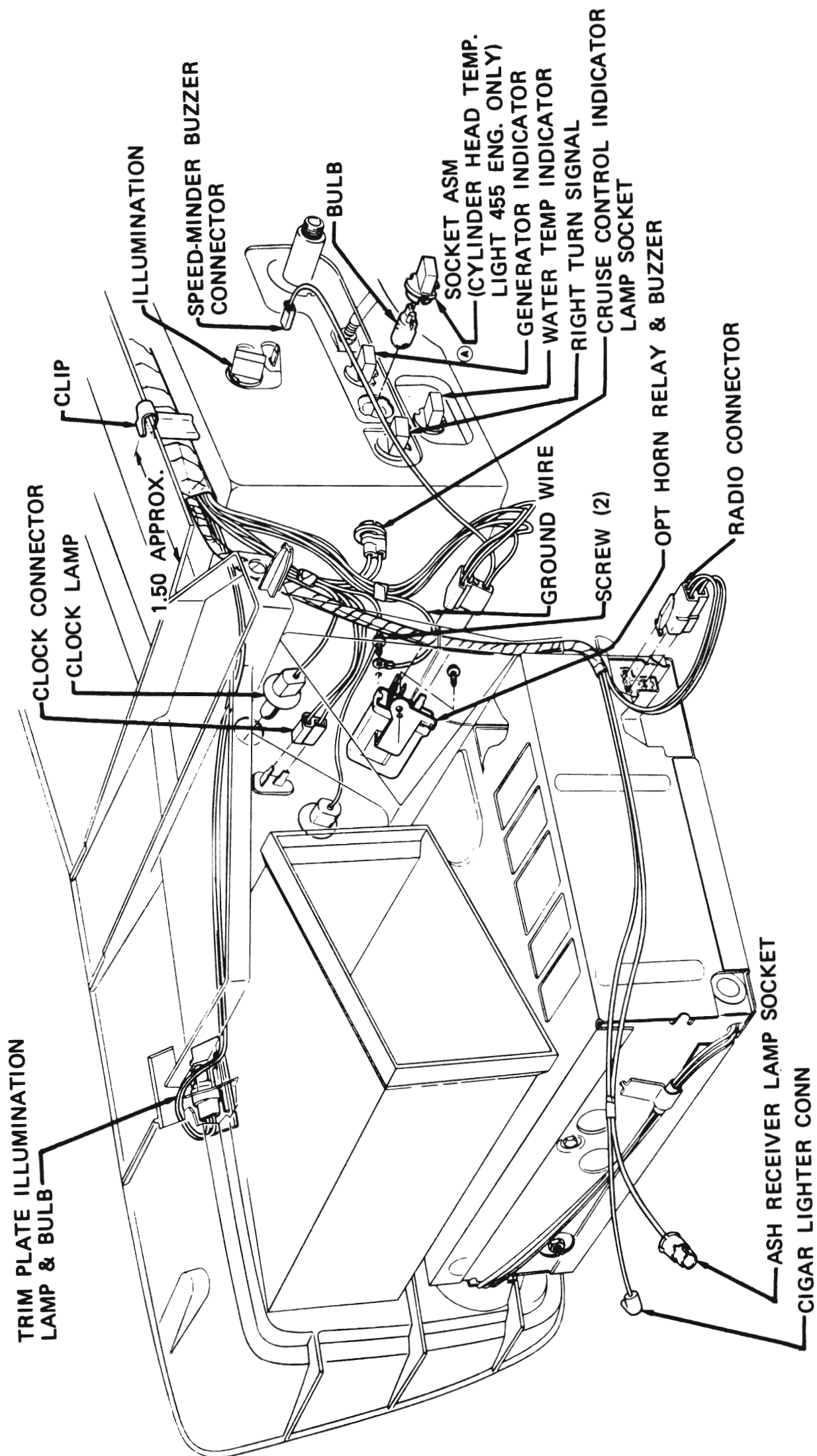


Figure 120-89 Right Side of Instrument Cluster Wiring 4L-4N-4P-4U-4V-4Y Series

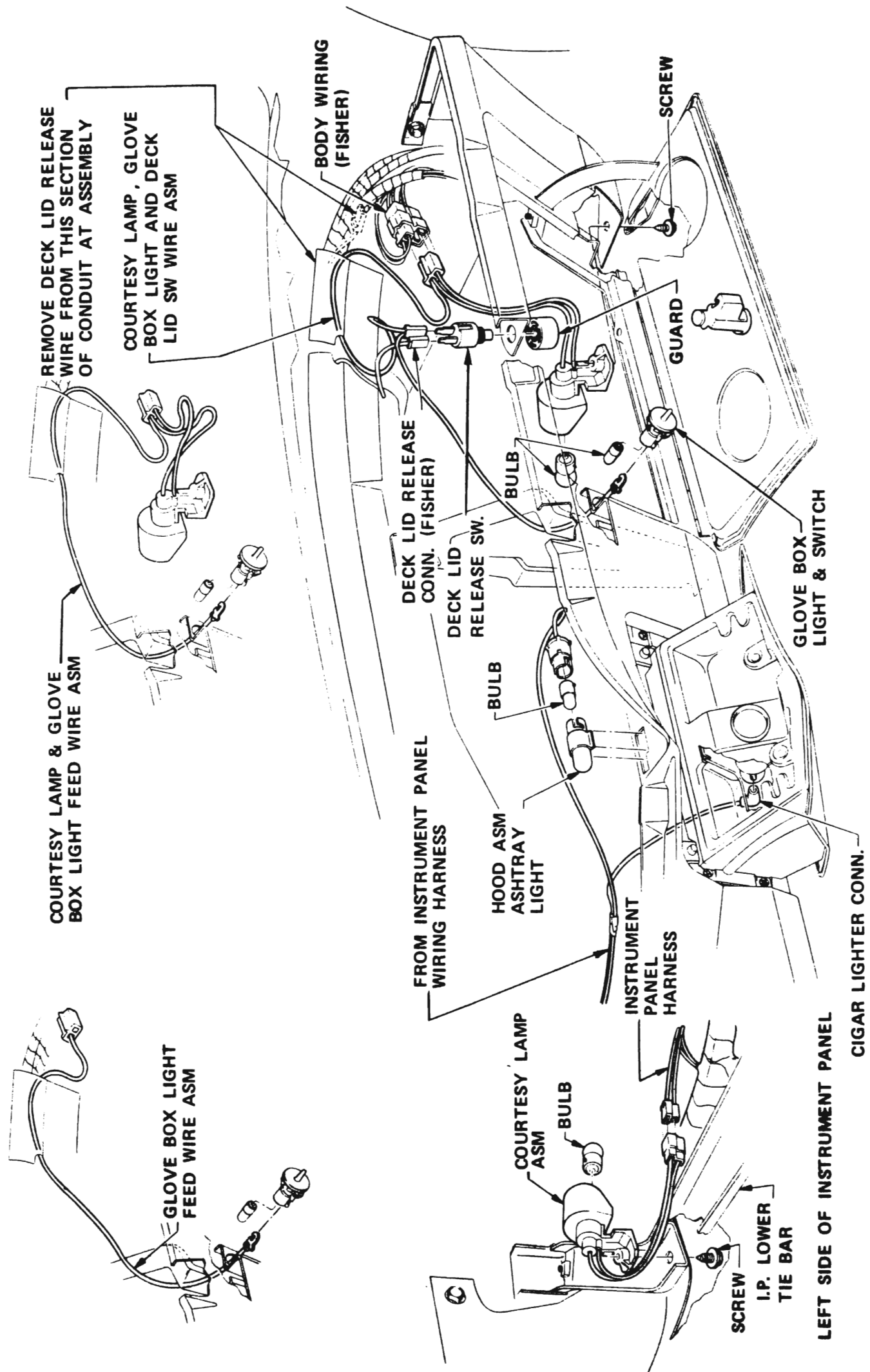
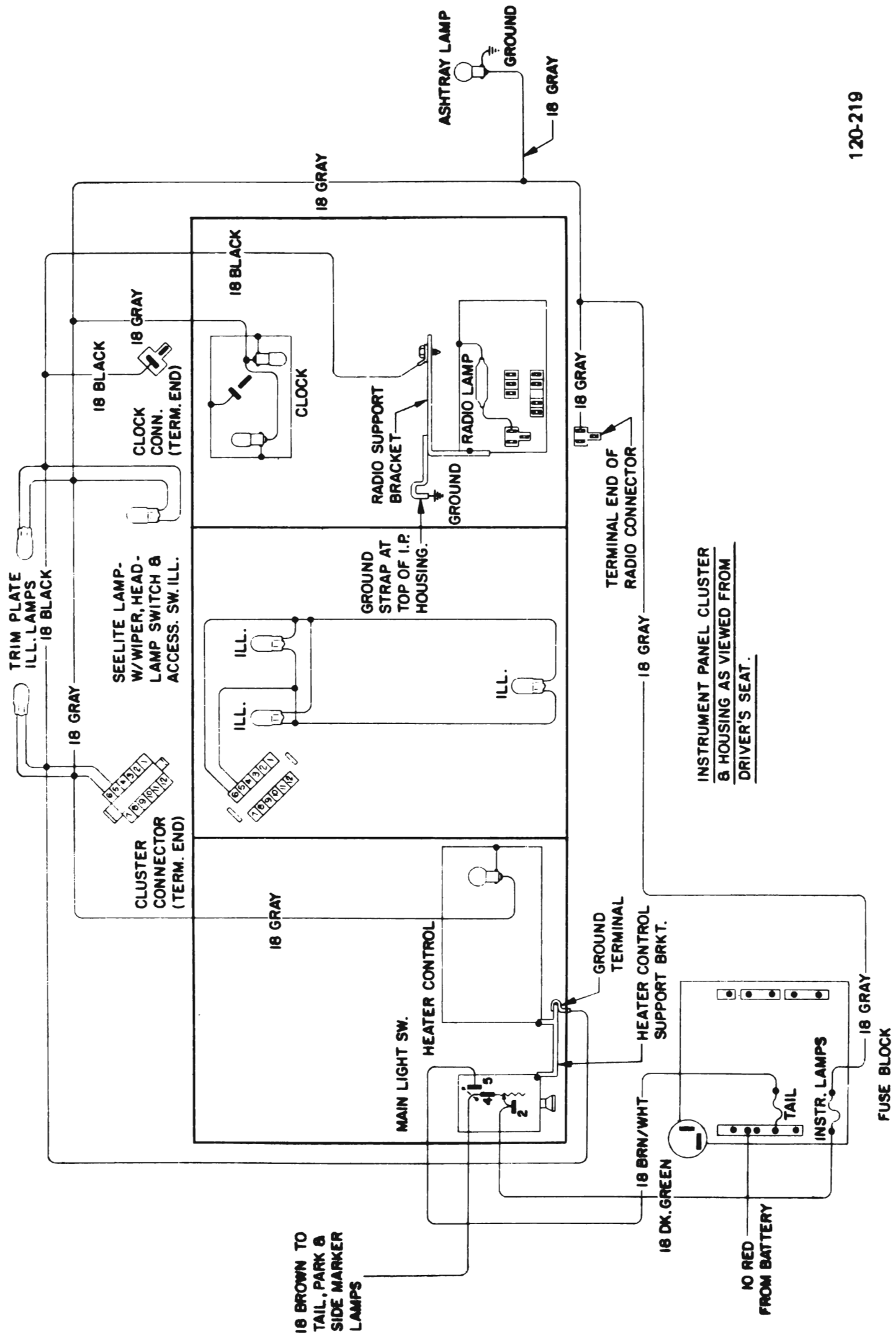


Figure 120-90 Right Side of Instrument Cluster Wiring 4L-4N-4R-4P-4U-4V-4Y Series



INSTRUMENT PANEL CLUSTER & HOUSING AS VIEWED FROM DRIVER'S SEAT.

120-219

Figure 120-91 Instrument Panel Illumination Lights Wiring Diagram 4L-4N-4R-4P-4U-4V-4Y Series

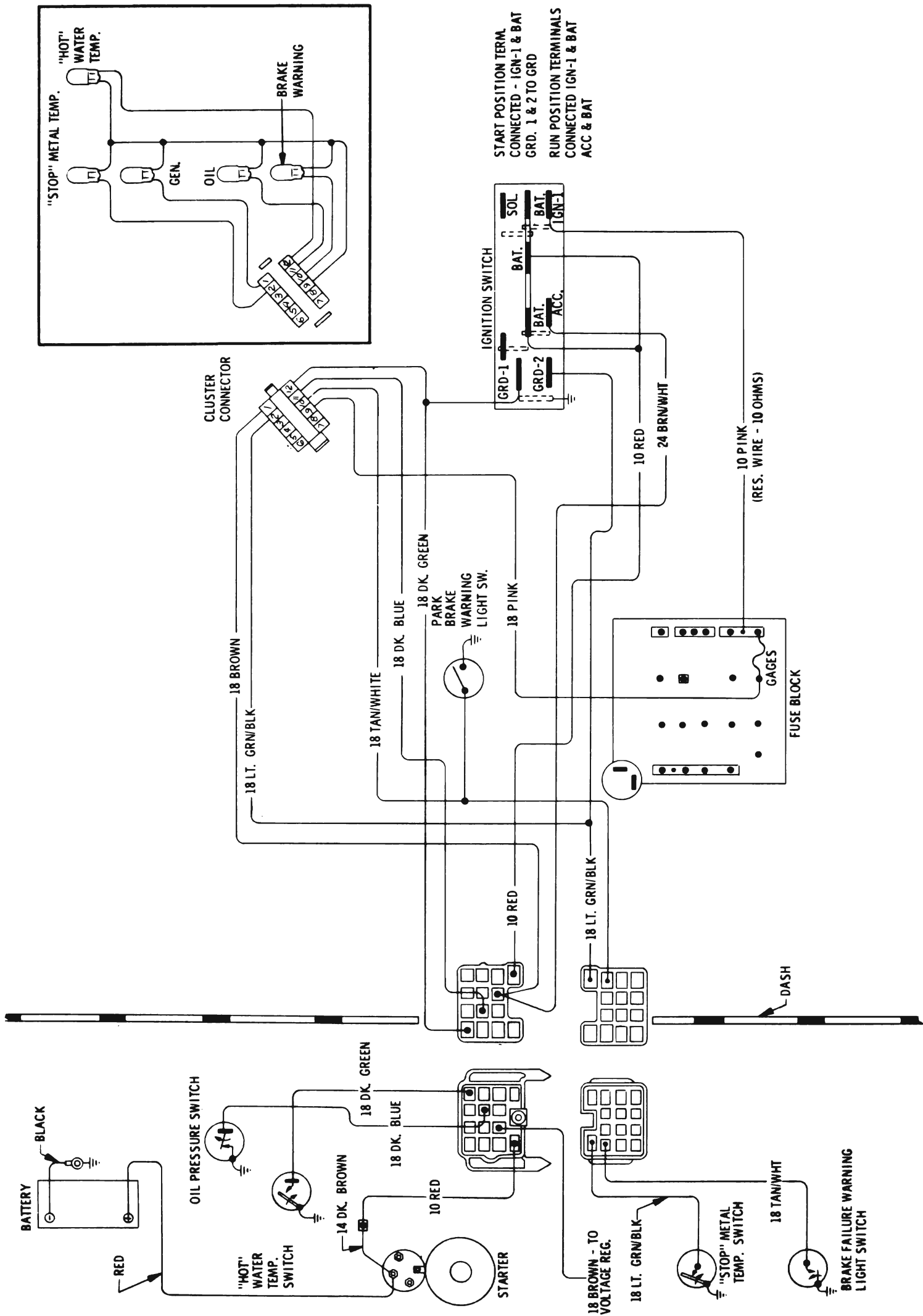


Figure 120-92 Instrument Panel Indicator Lights Wiring Diagram 4L-4N-4R-4P-4U-4V-4Y Series



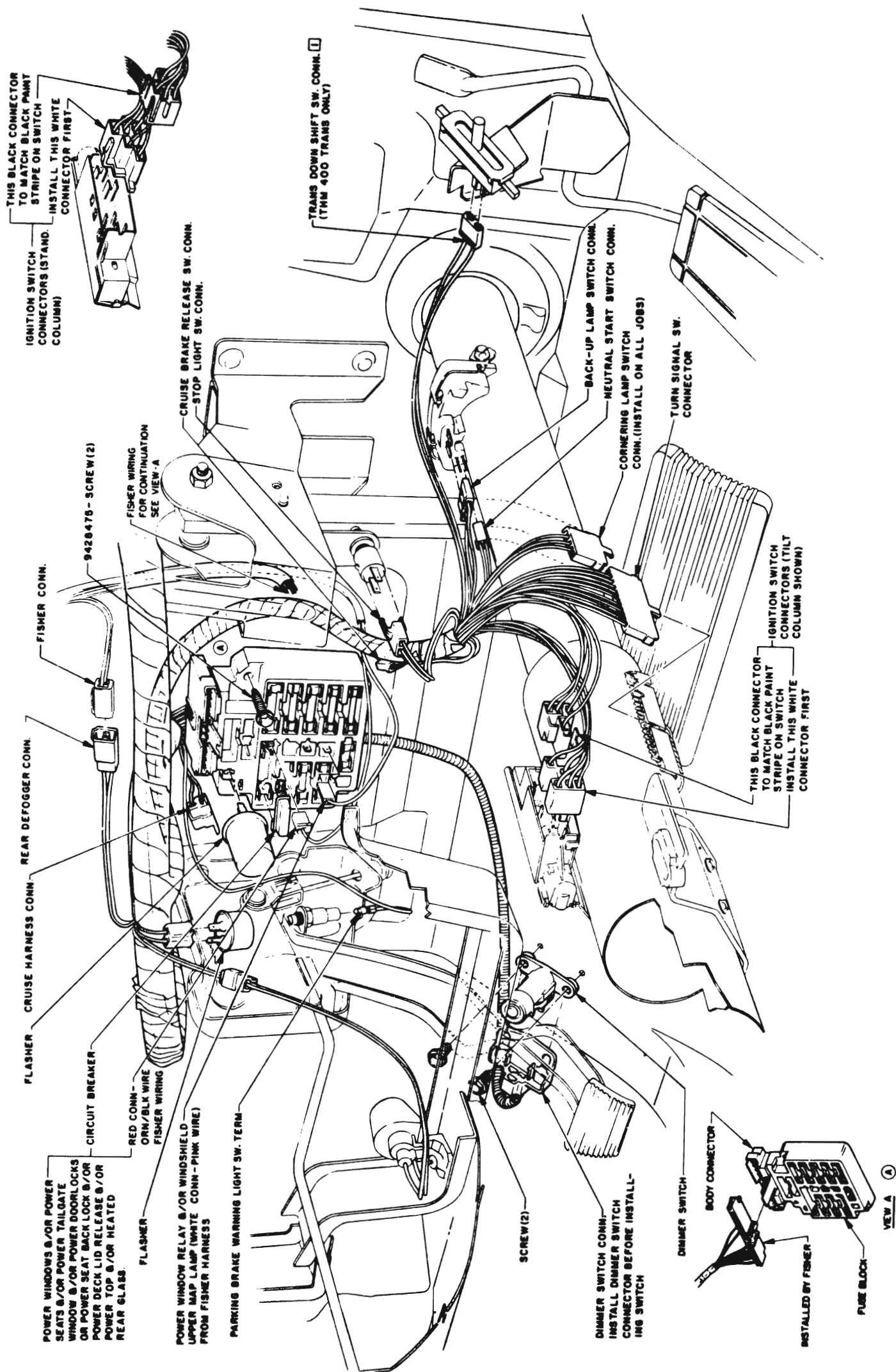


Figure 120-93 Fuse Block and Steering Column Wiring 4L-4N-4R-4P-4U-4V-4Y Series

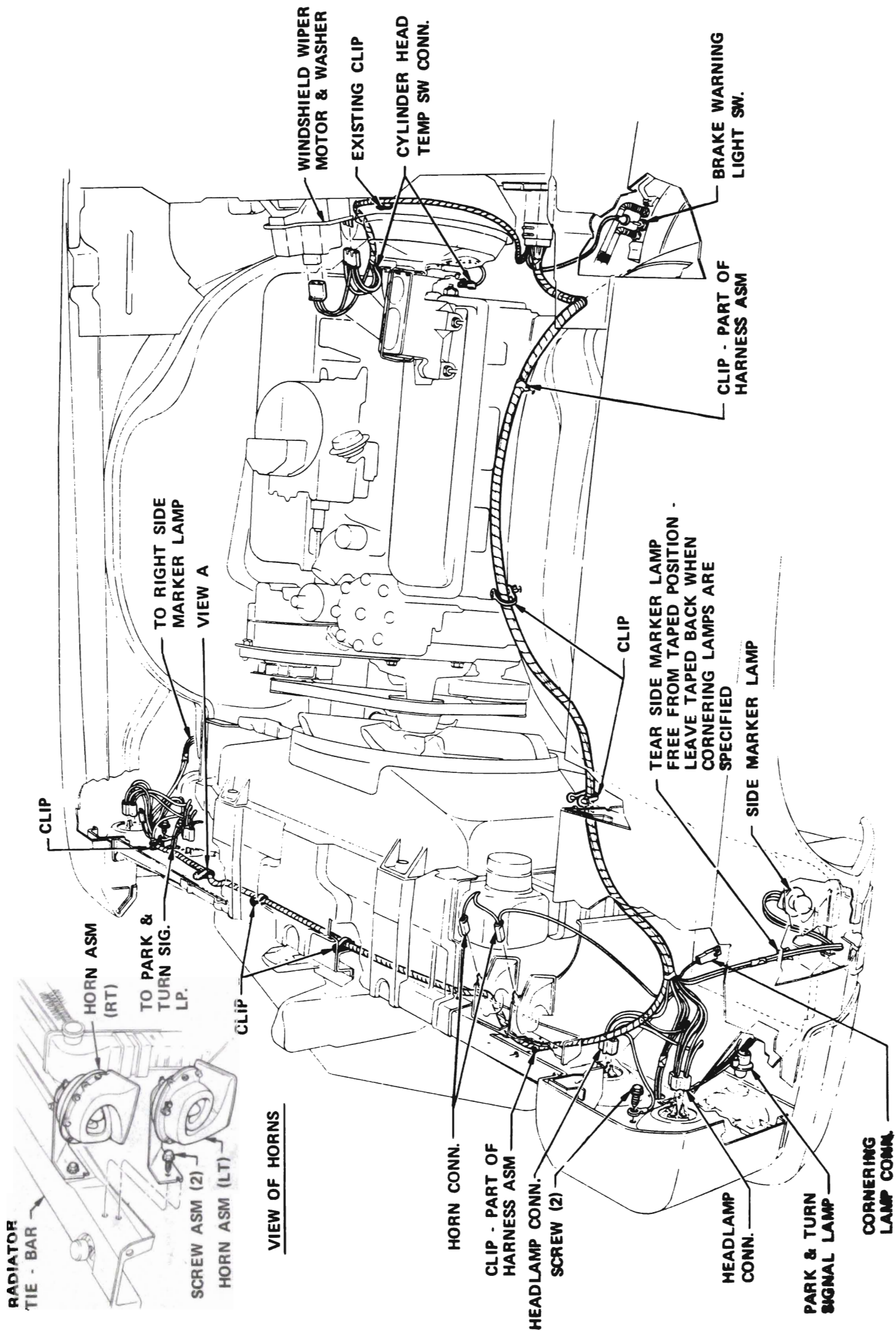
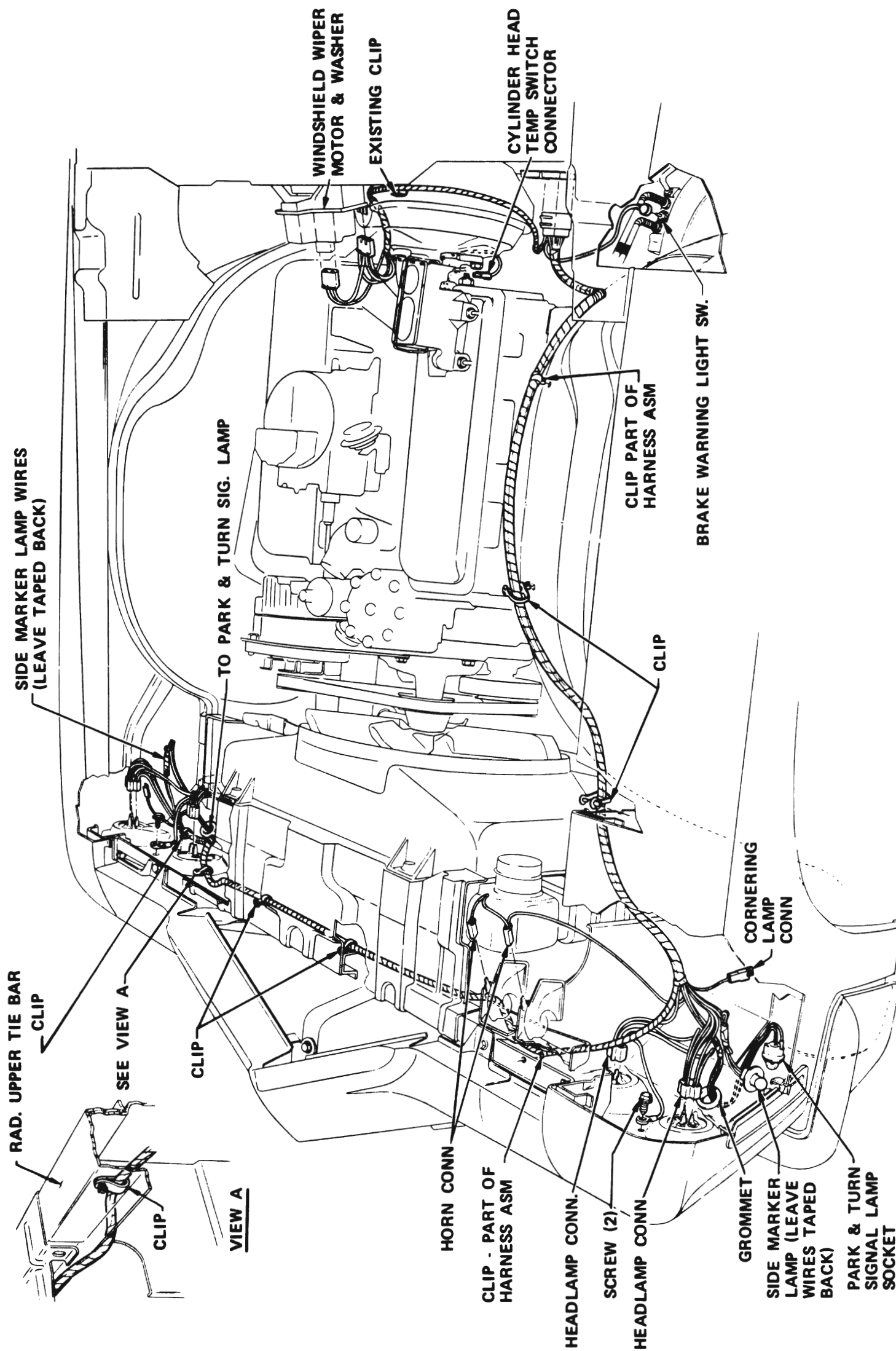
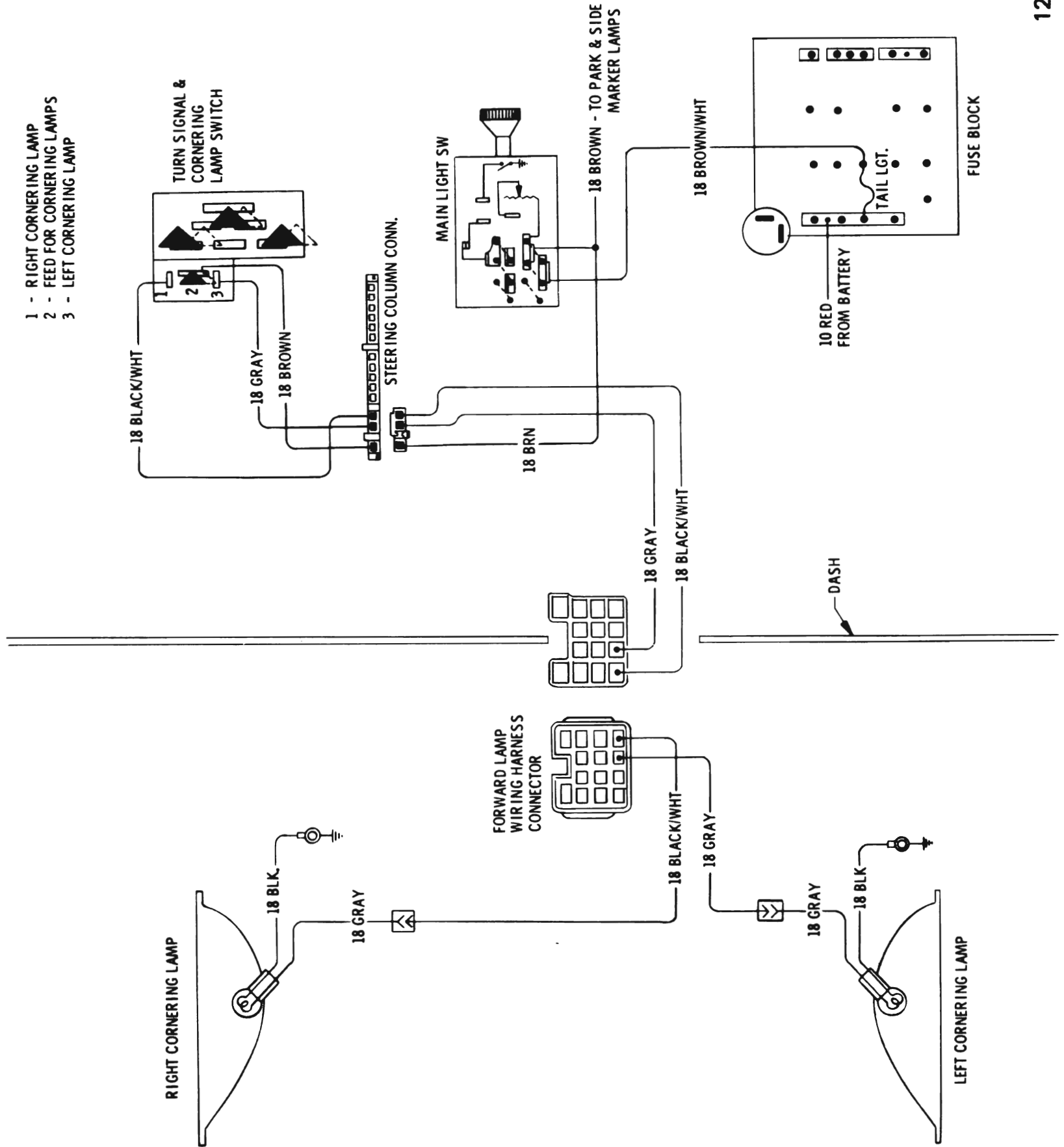


Figure 120-94 Forward Lamp and Horns Wiring 4L-4N-4R-4P-4U-4V Series



120-98

Figure 120-95 Forward Lamp and Horns Wiring 4Y Series



- 1 - RIGHT CORNERING LAMP
- 2 - FEED FOR CORNERING LAMPS
- 3 - LEFT CORNERING LAMP

Figure 120-96 Cornering Lamp Diagram 4L-4N-4R-4P-4U-4V-4Y Series

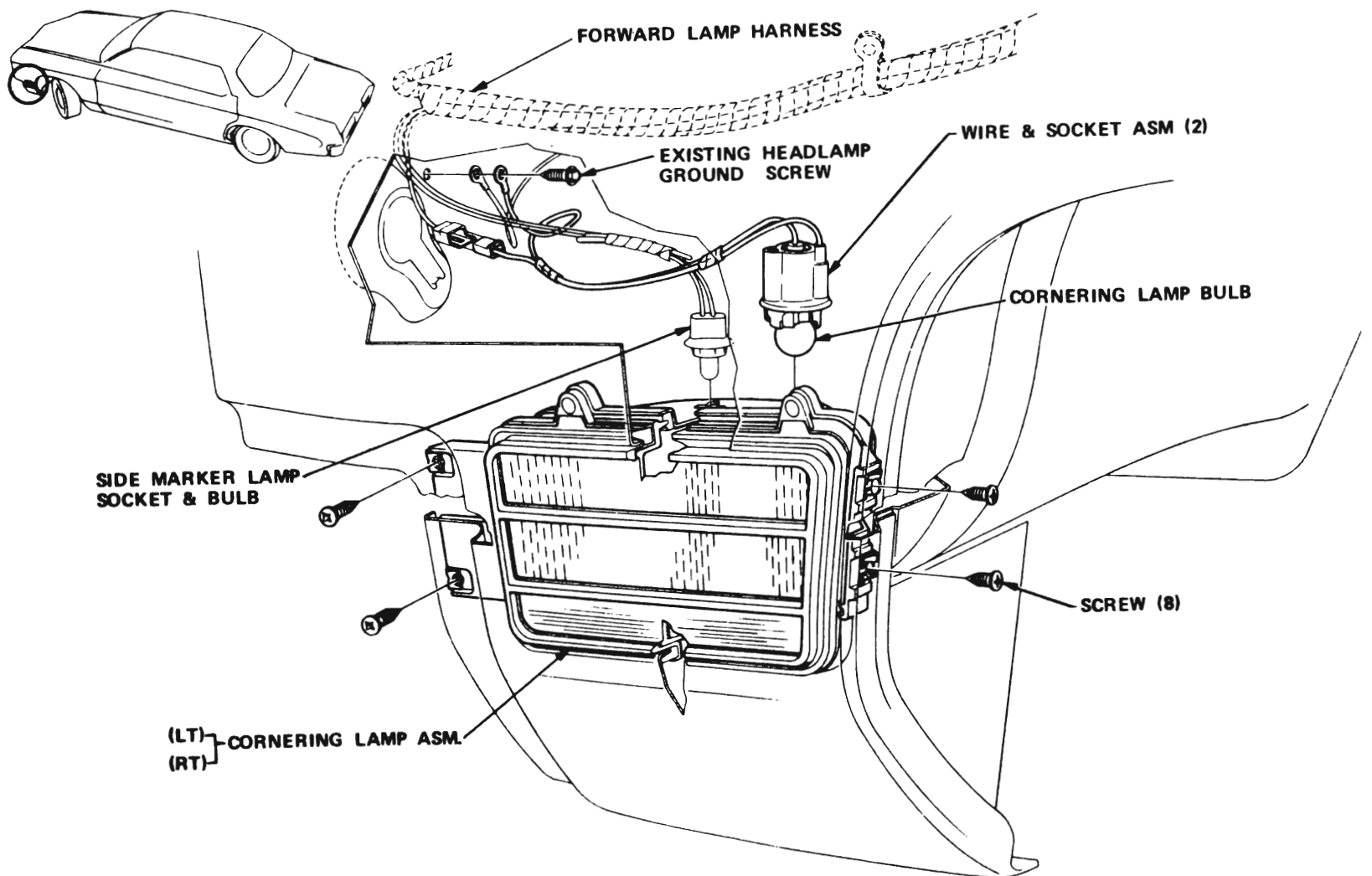
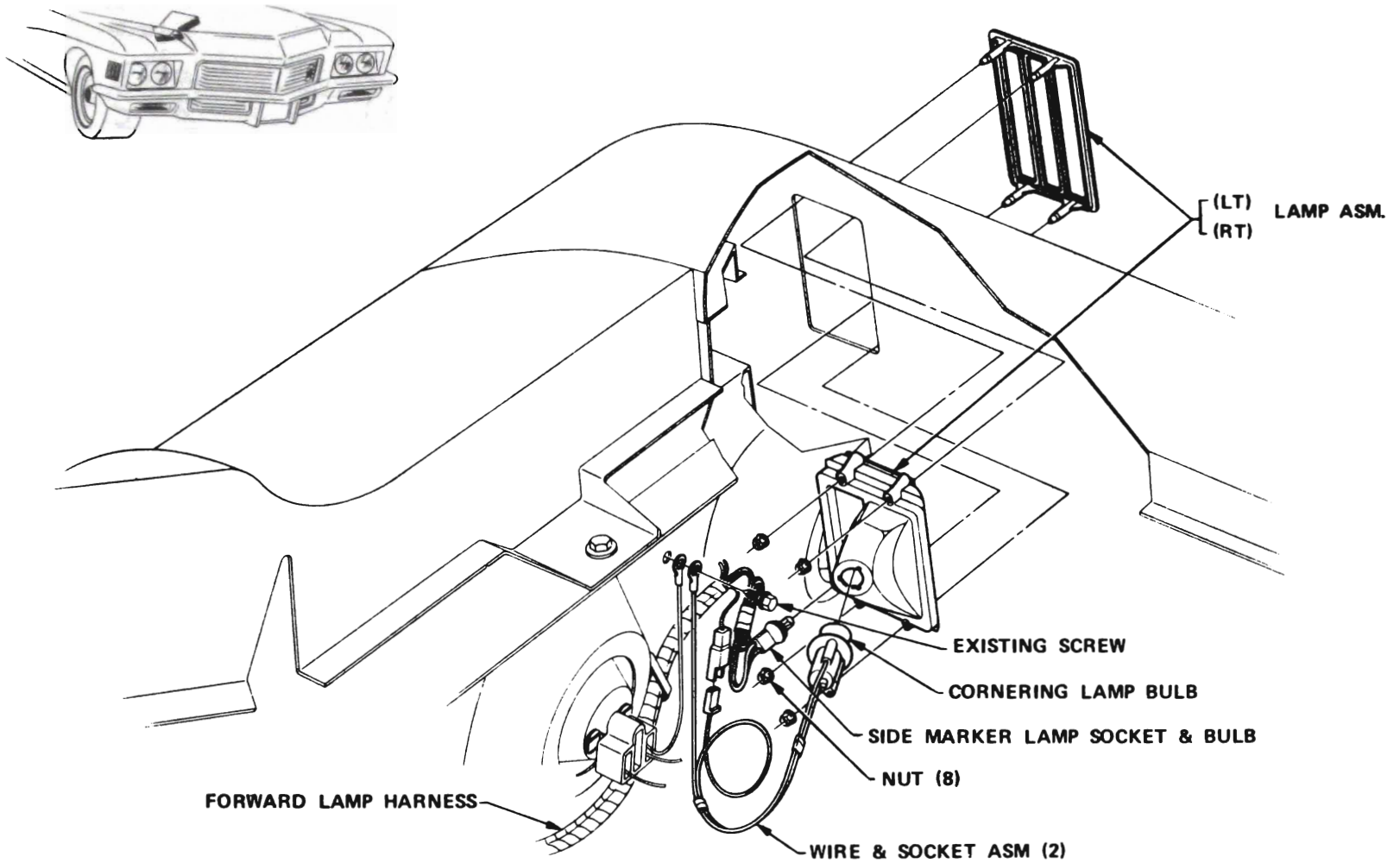


Figure 120-97 Cornering Lamp Wiring 4L-4N-4R-4P-4U-4V-4Y Series



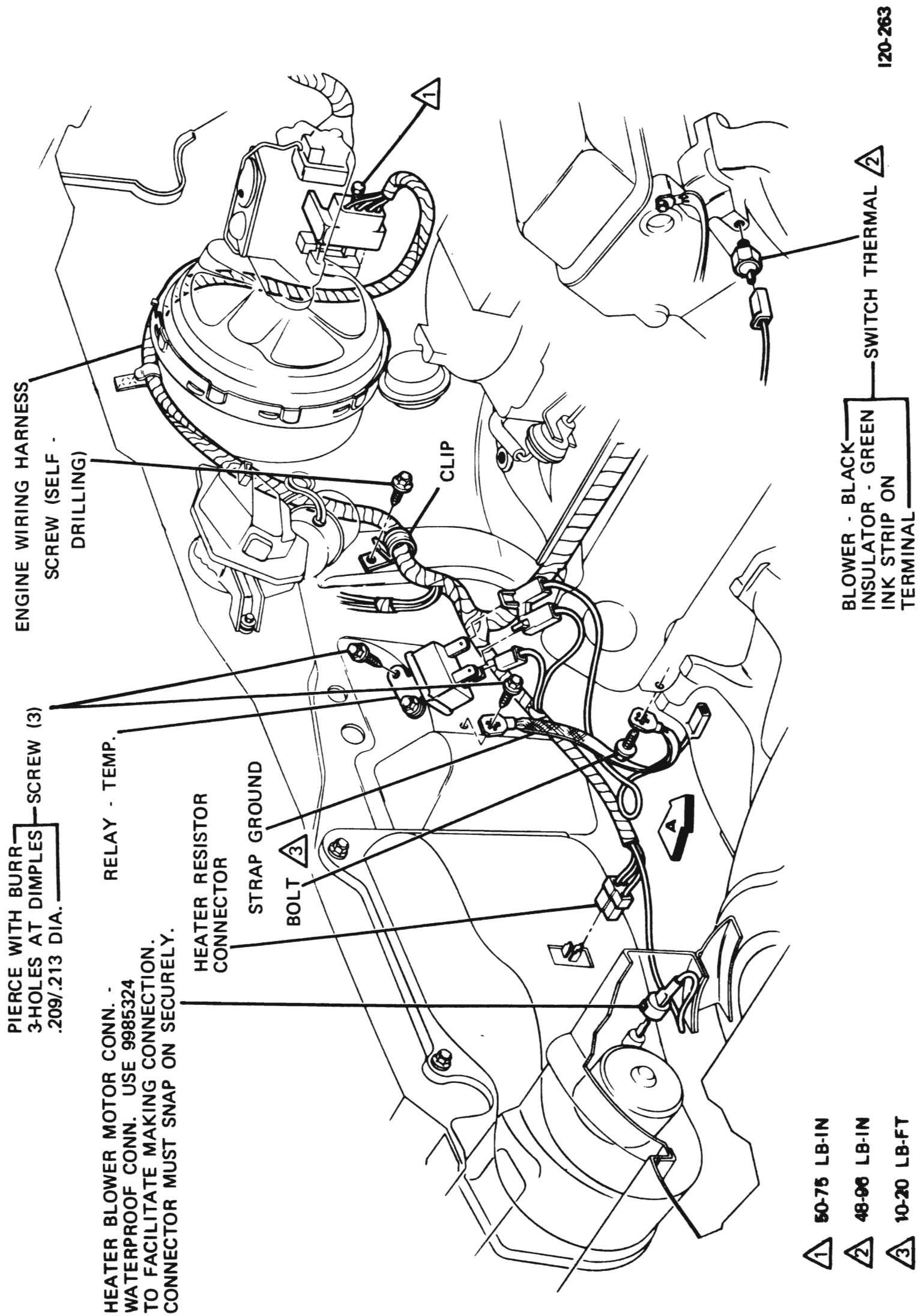
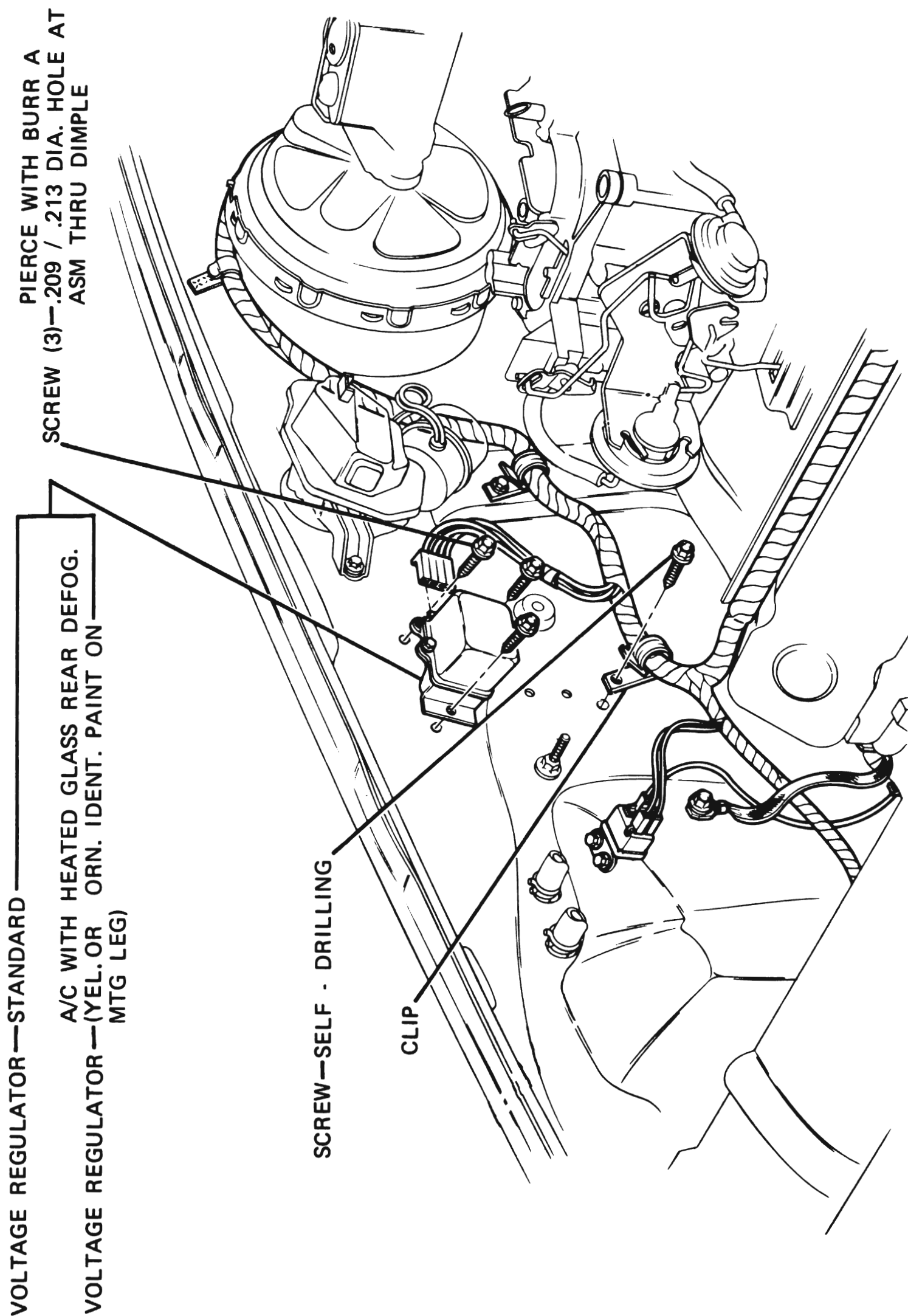


Figure 120-98 Engine Harness - Front of Dash 4L-4N-4R-4P-4U-4V-4Y-Series



120-264

Figure 120-99 Engine Harness-Front of Dash - Voltage Regulator 4L-4N-4R-4P-4U-4V Series

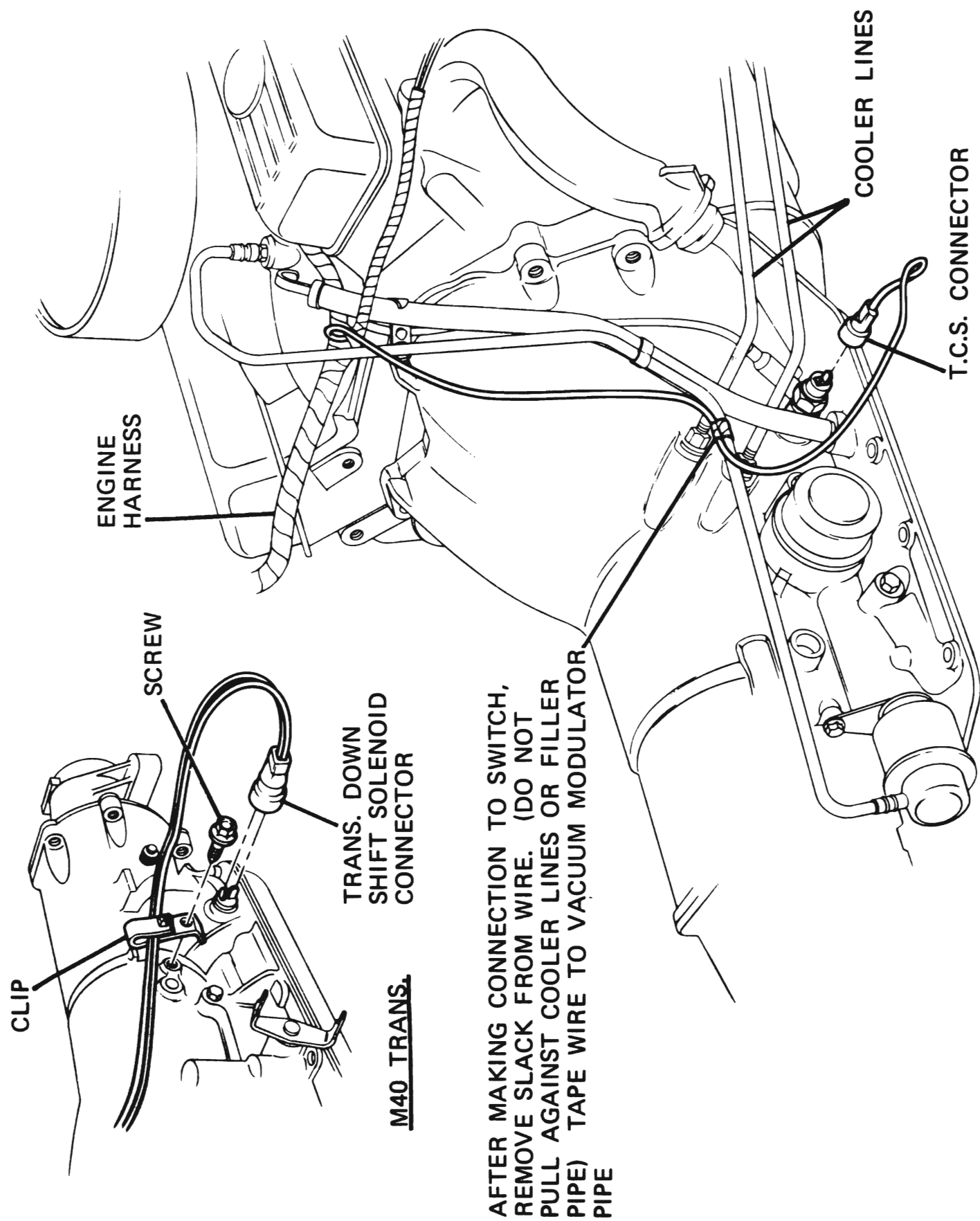


Figure 120-100 Engine Harness - Automatic Transmission 4L-4N-4R-4P-4U-4V-4Y Series

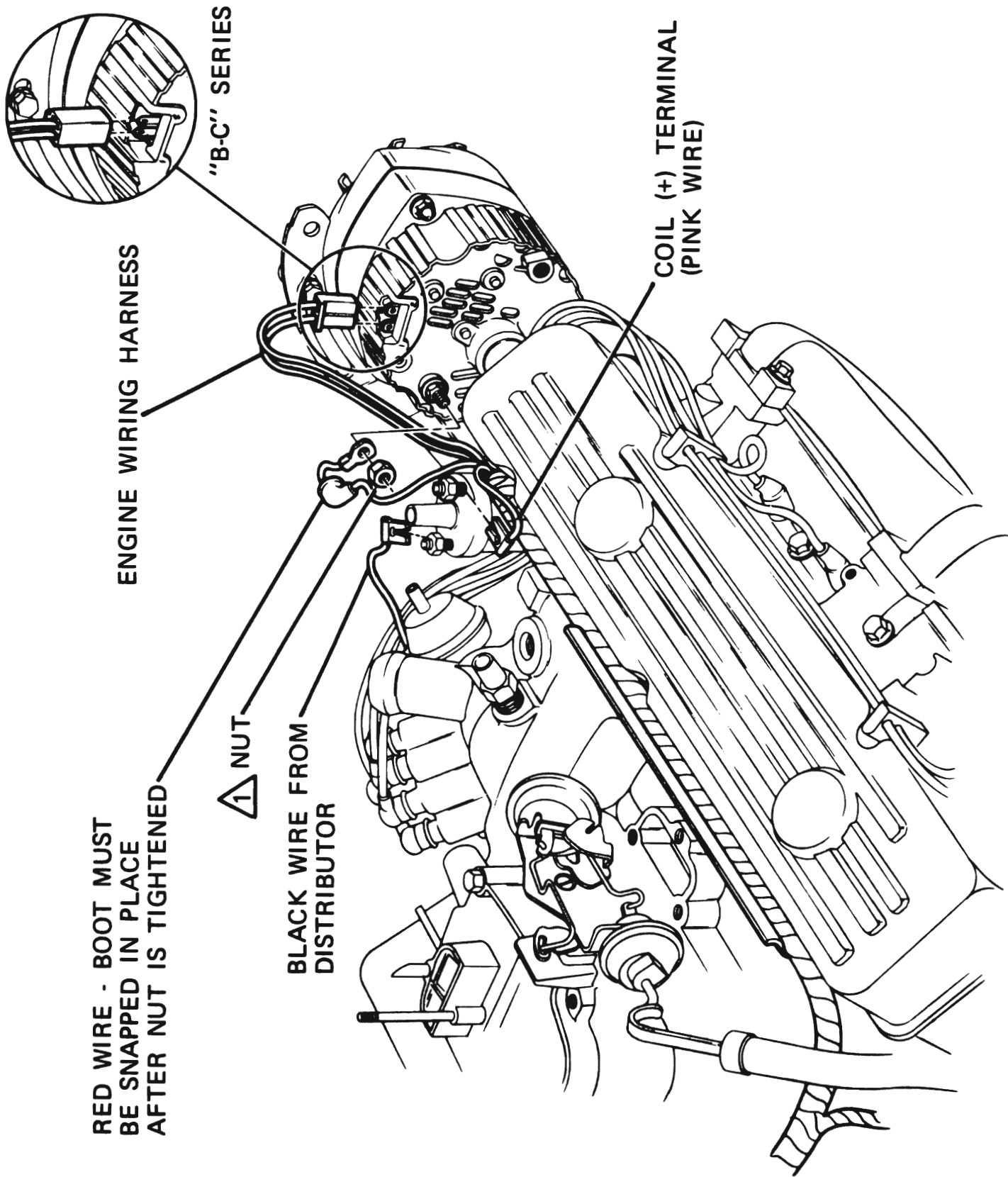
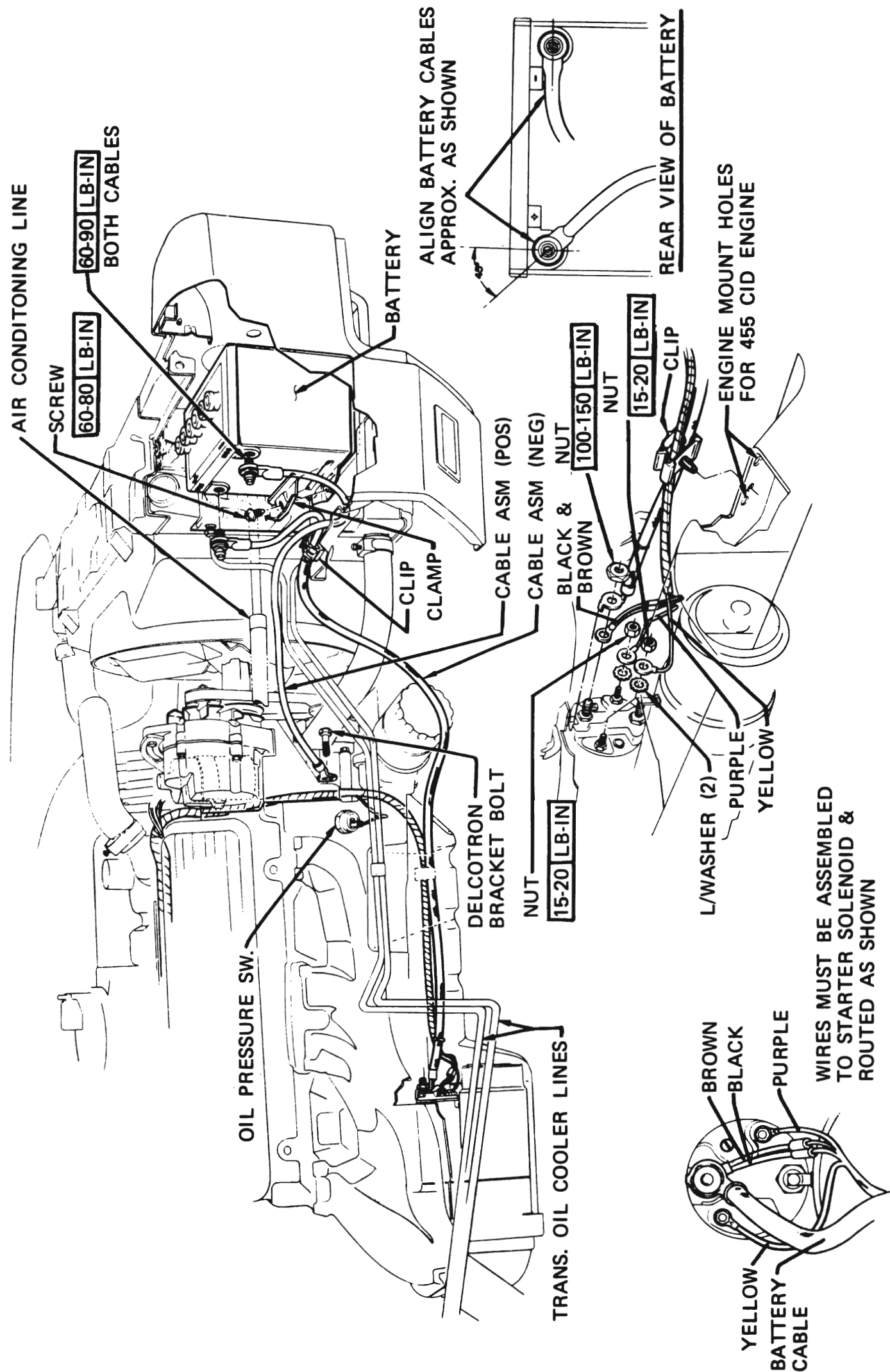
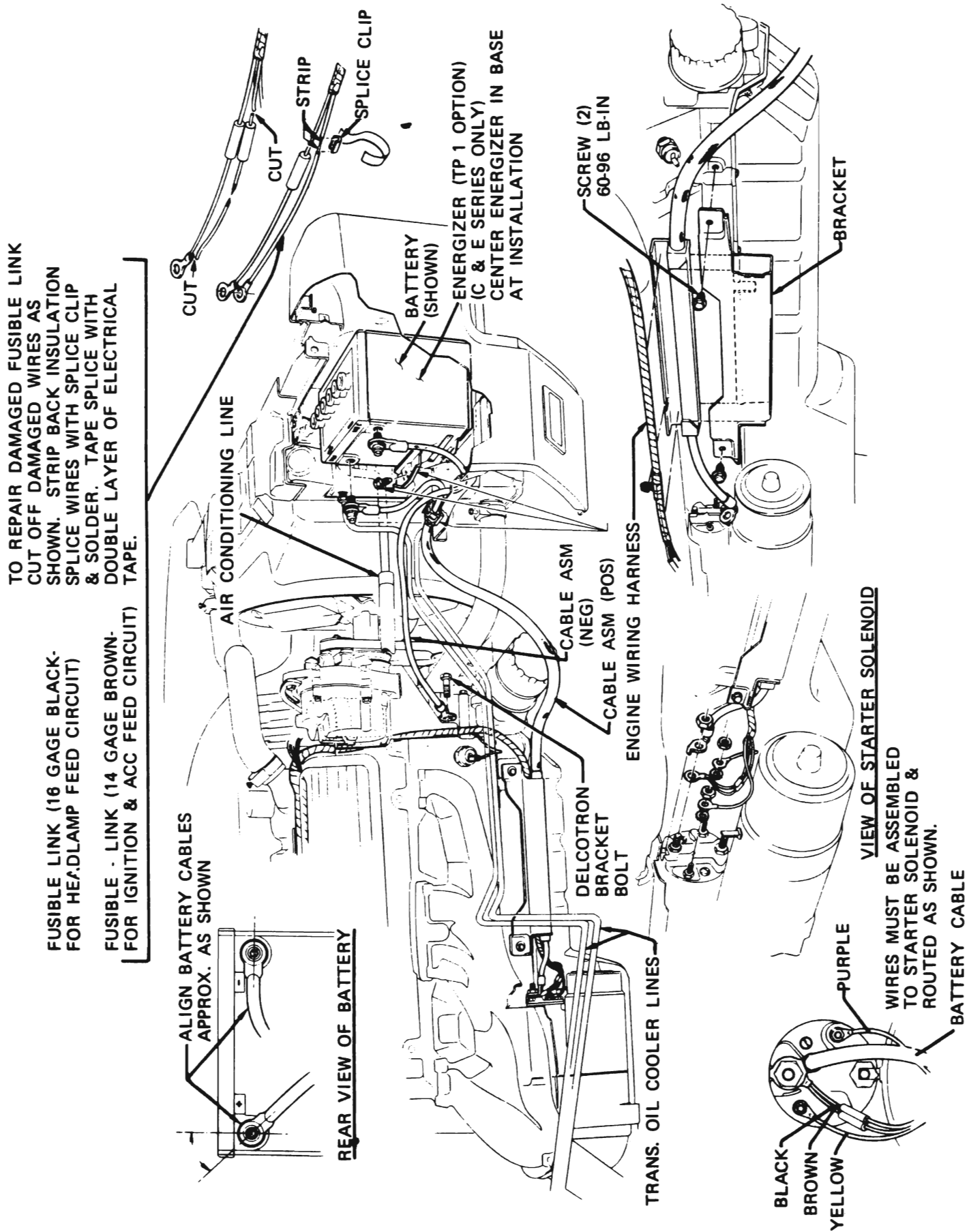


Figure 120-101 Upper Engine Wiring Harness 4L-4N-4R-4P-4U-4V-4Y Series



120-267

Figure 120-102 Battery Cables and Starter 350 Engine 4L-4N Series



120-268

Figure 120-103 Battery Cables and Starter 455 Engine 4L-4N-4R-4P-4U-4V-4Y Series





120-104

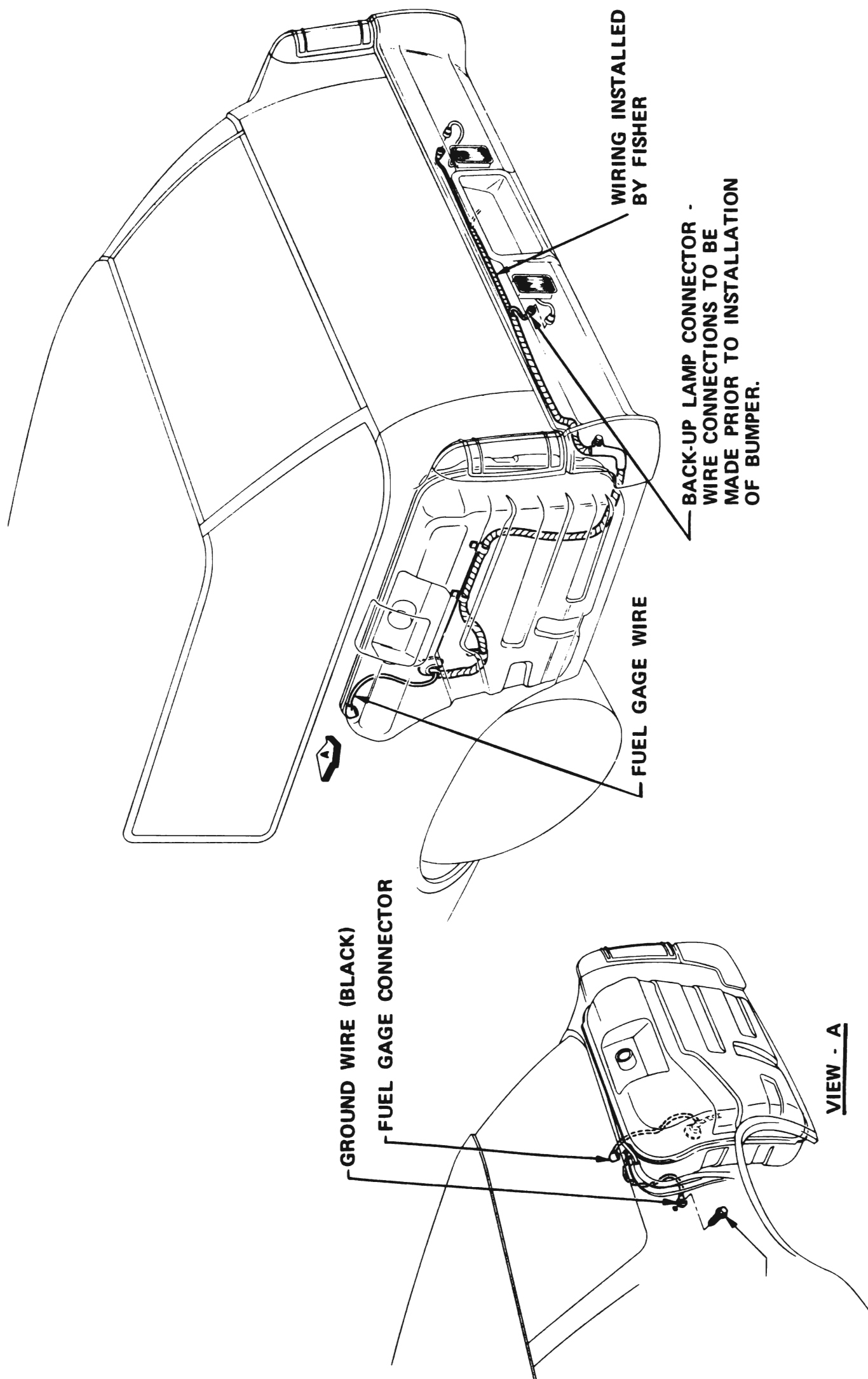
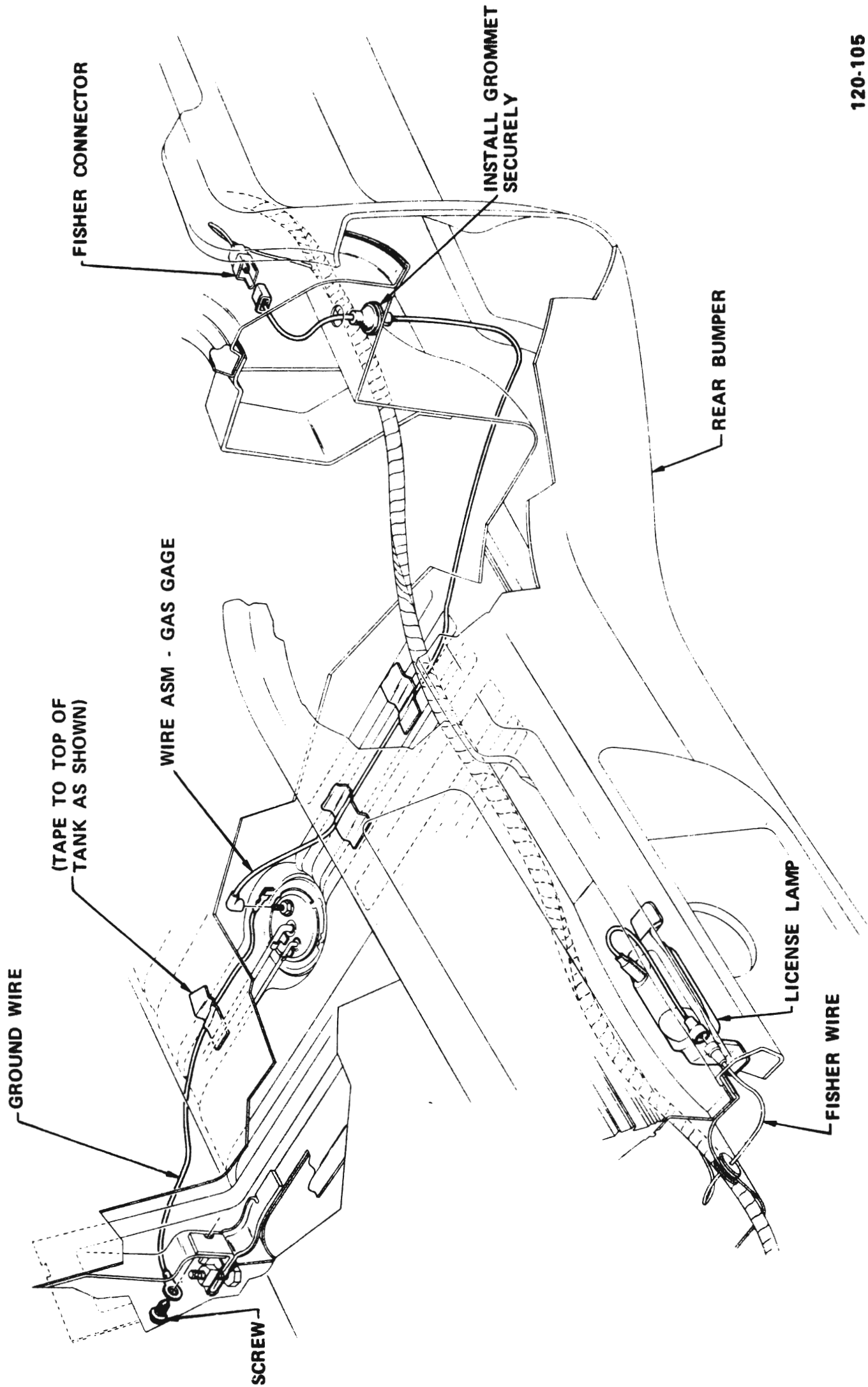
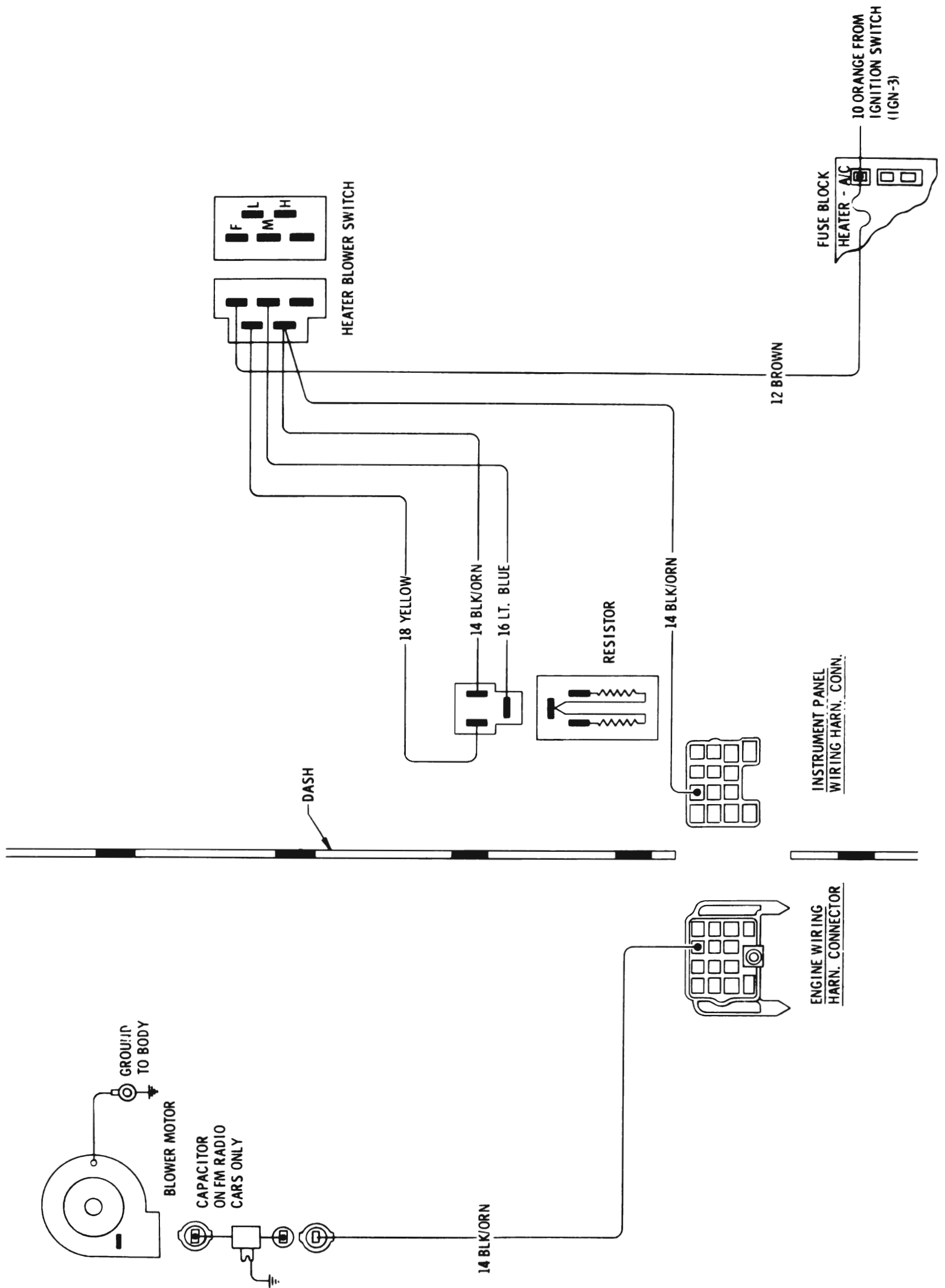


Figure 120-105 Rear Lamp and Fuel Tank Wiring 4R Series



120-105

Figure 120-106 Rear Lamp and Fuel Tank Wiring 4Y Series



120-213

Figure 120-107 Heater Wiring Diagram 4D-4F-4G-4H Series



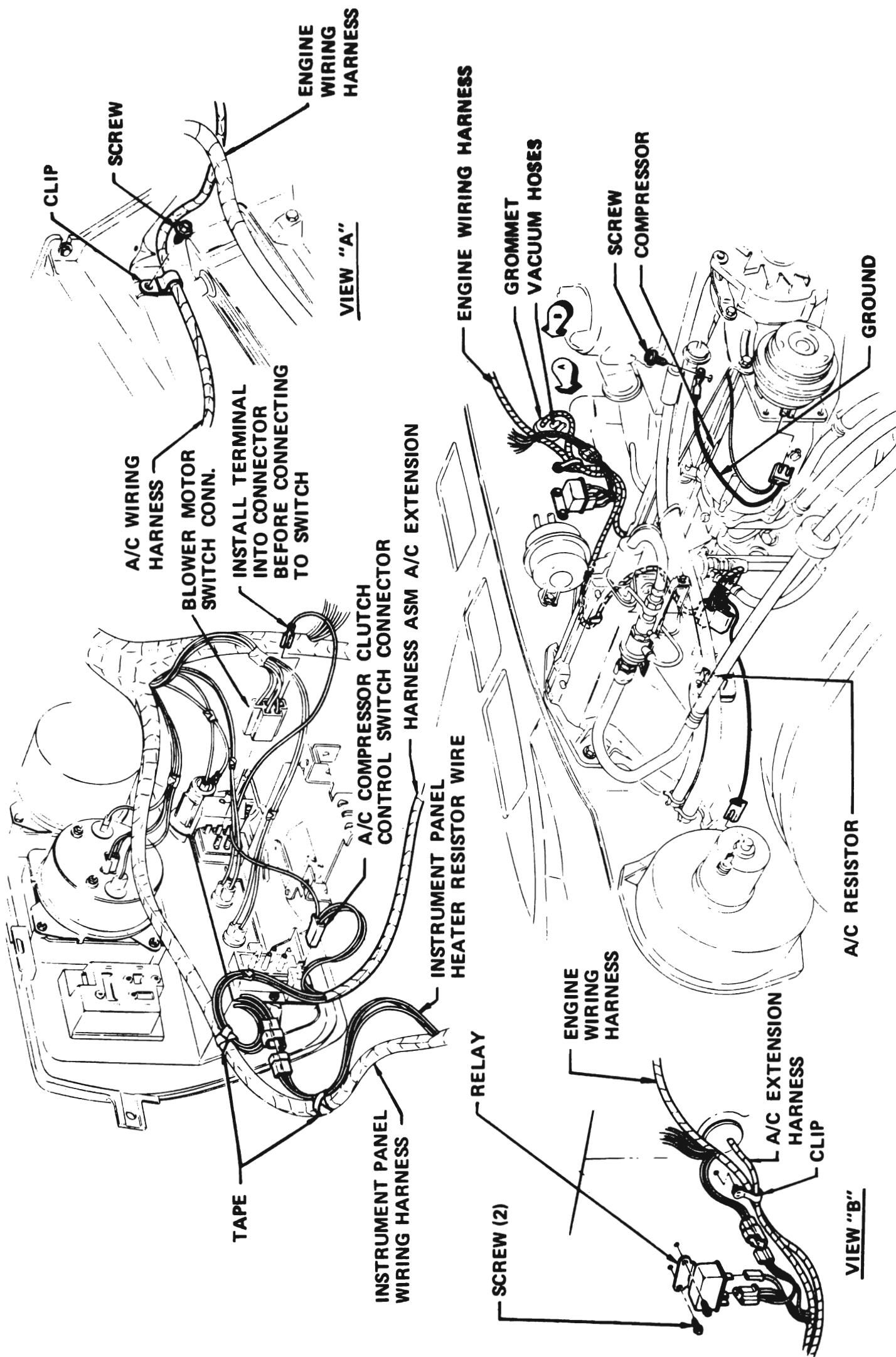


Figure 120-109 Air Conditioning Wiring 4D-4F-4G-4H Series





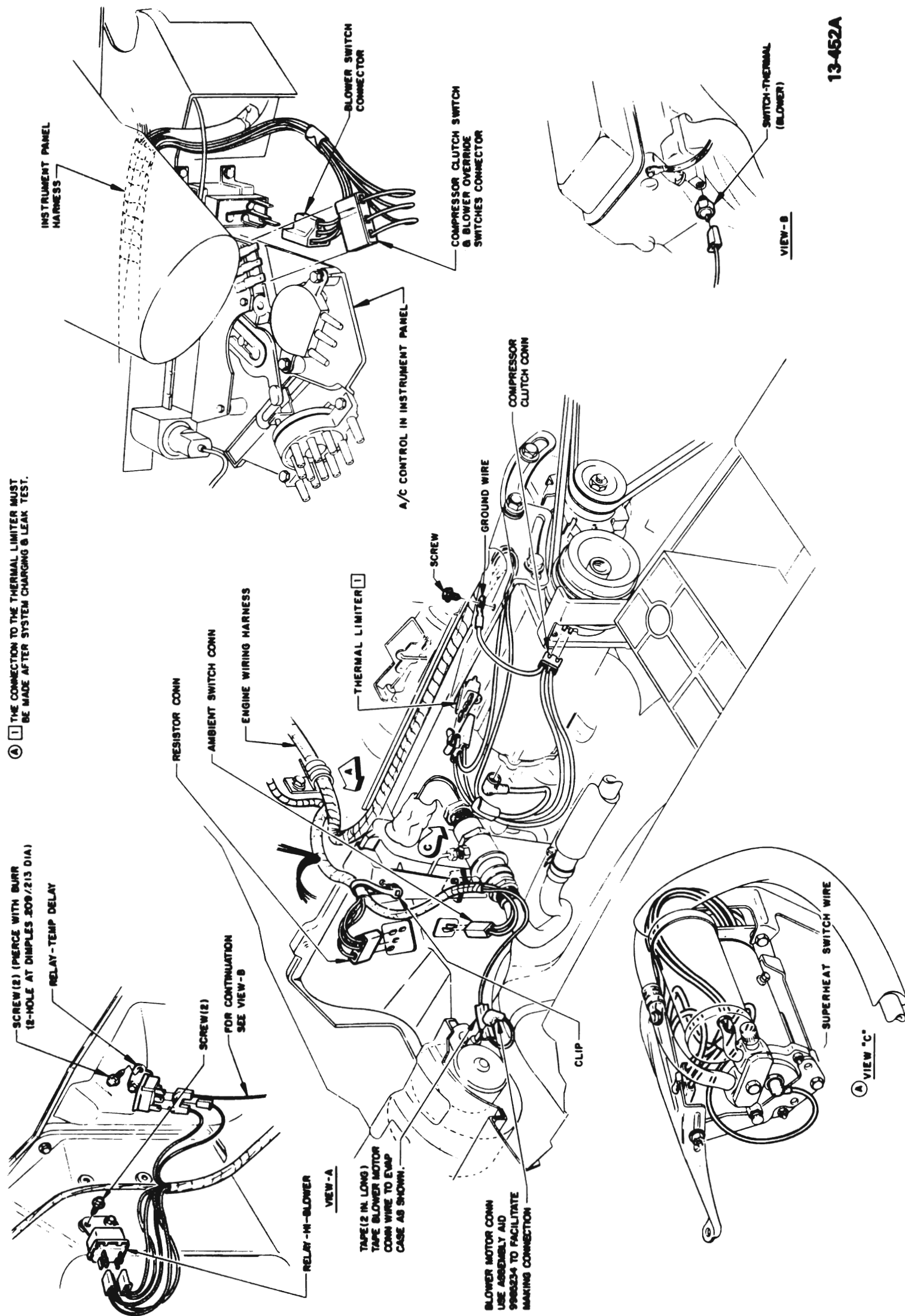
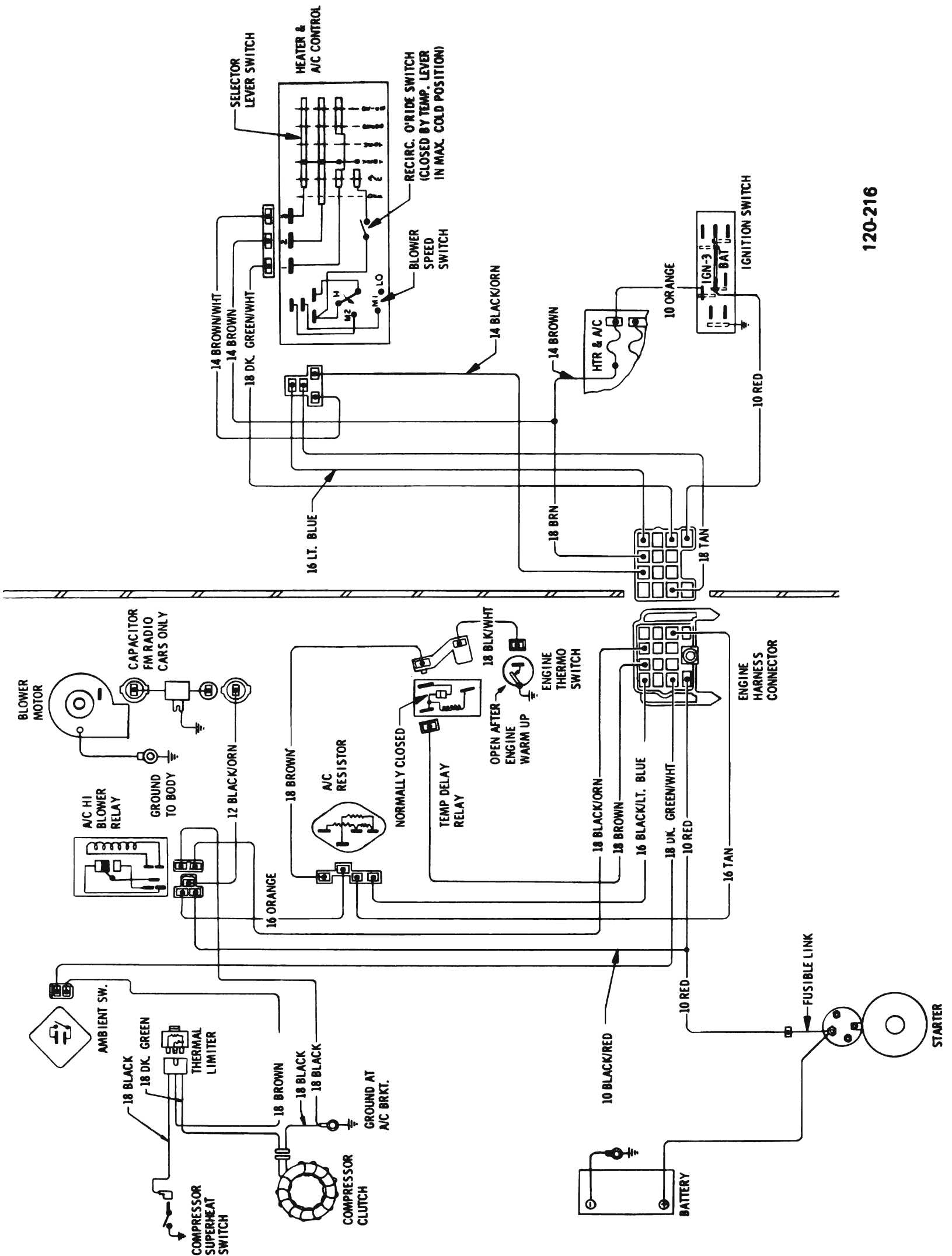


Figure 120-111 Air Conditioning Wiring (Manual) 4L-4N-4R-4P-4U-4V-4Y Series



120-216

Figure 120-112 Air Conditioning Wiring Diagram (Manual) 4L-4N-4R-4U-4V-4Y Series

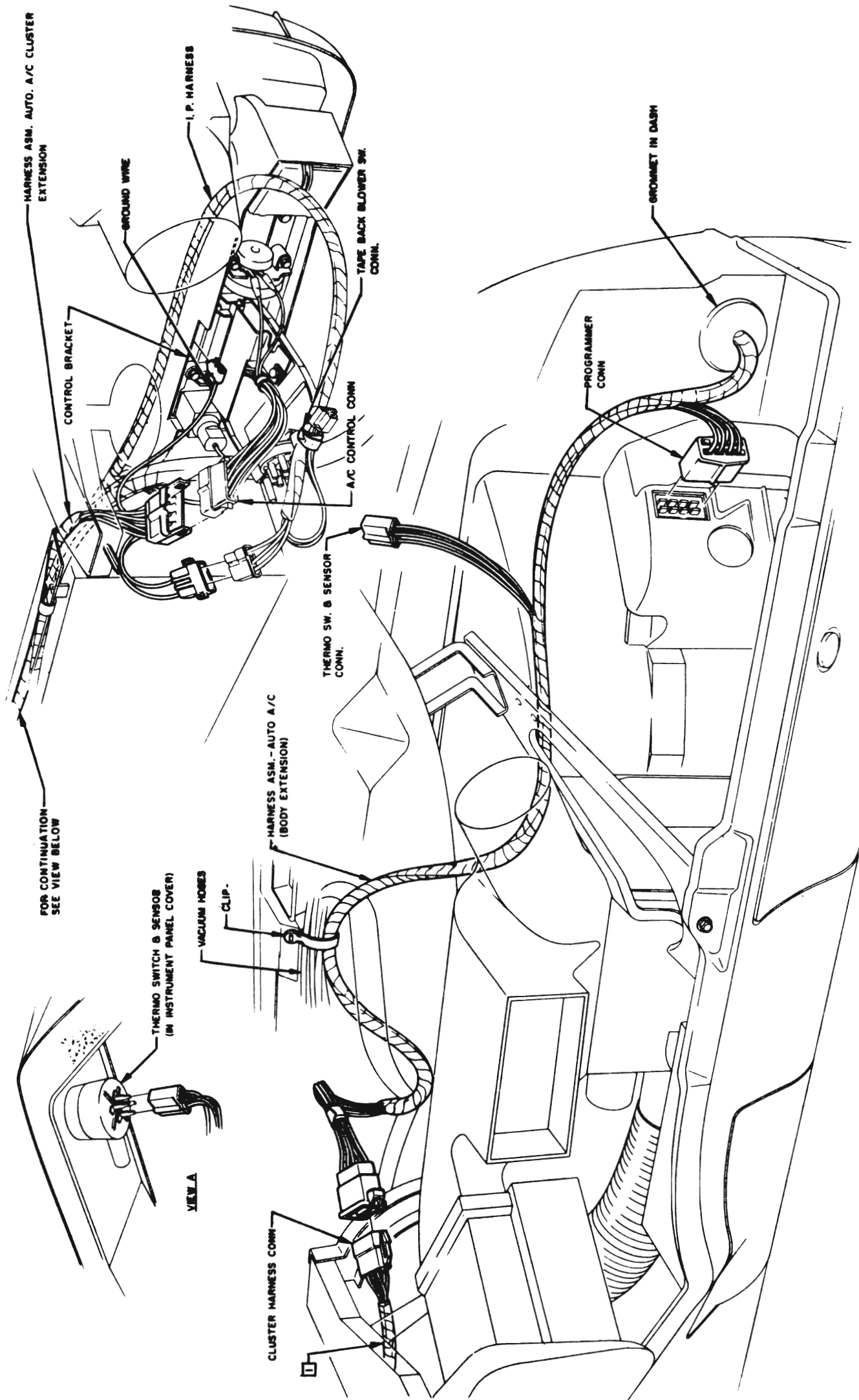


Figure 120-113 Air Conditioning Wiring (Automatic) Instrument Panel 4L-4N-4R-4P-4U-4V-4Y Series

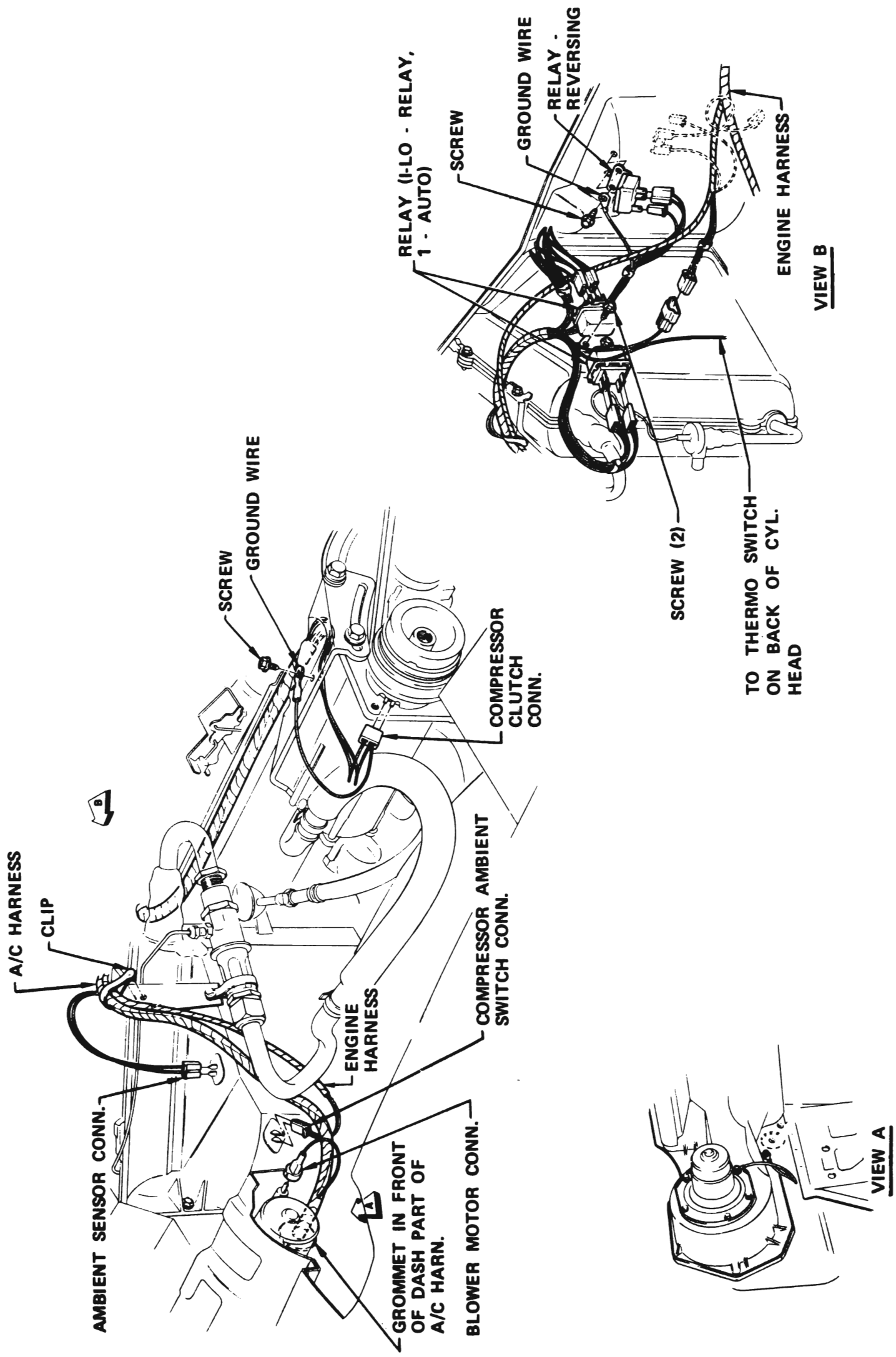
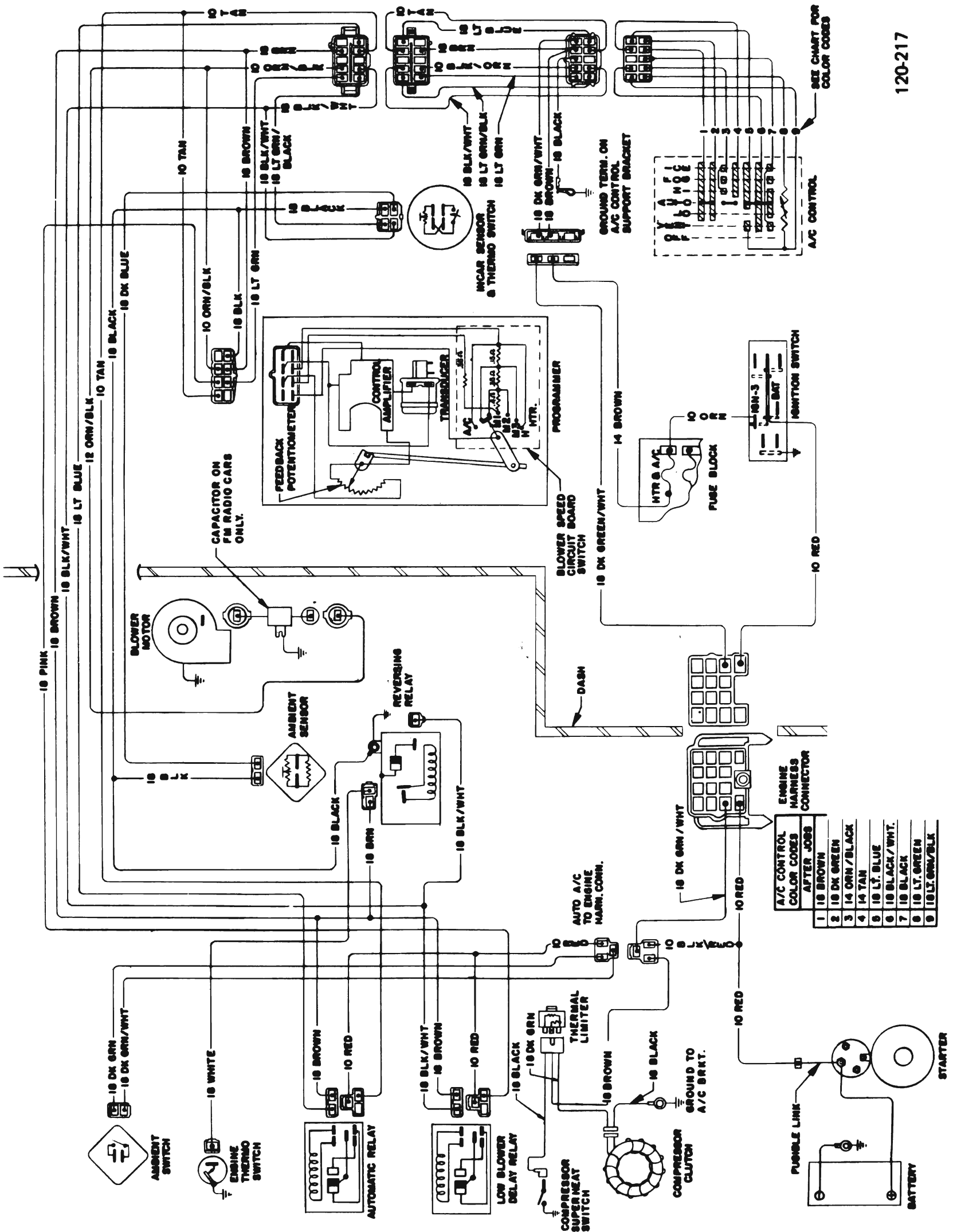


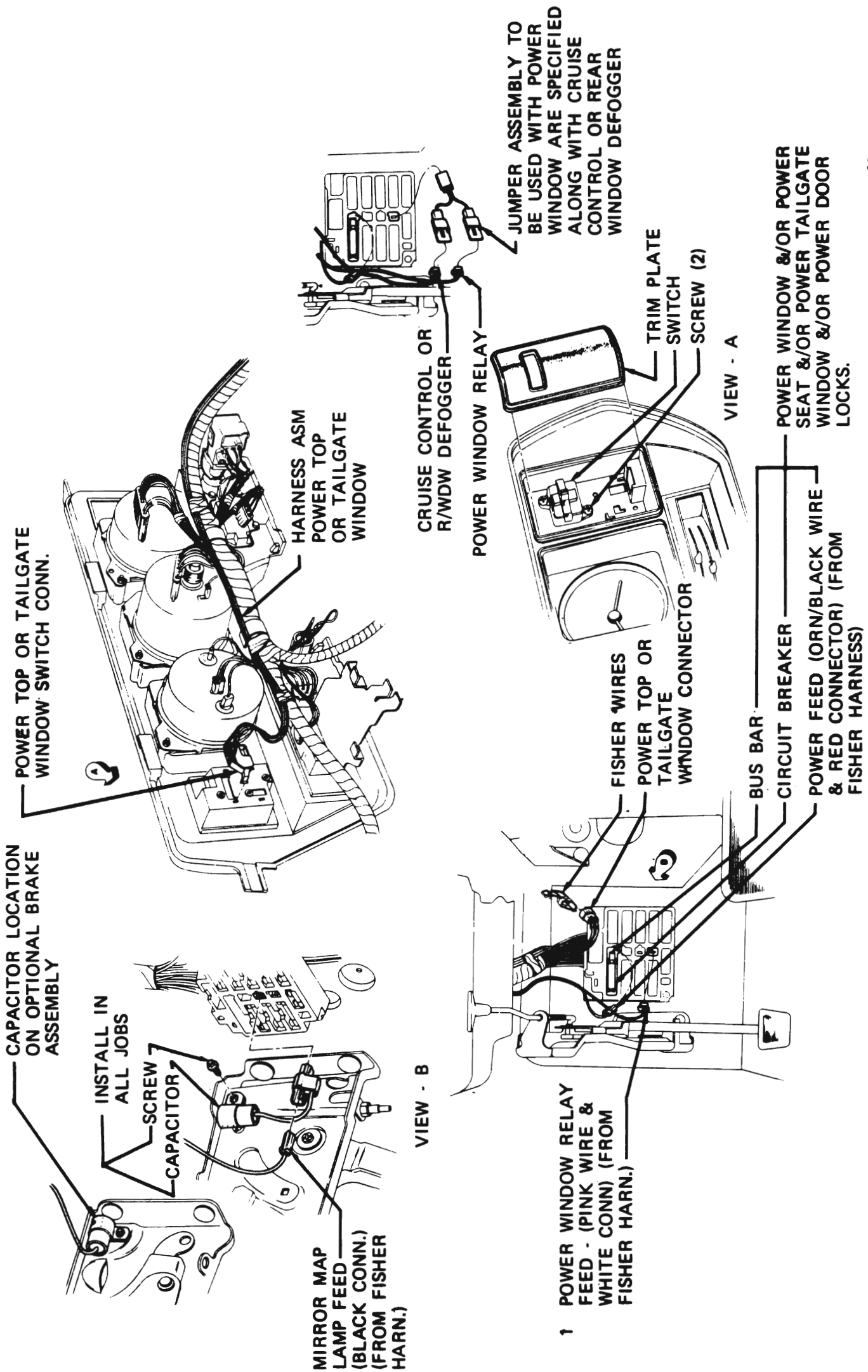
Figure 120-114 Air Conditioning Wiring (Automatic) Engine Compartment 4L-4N-4R-4P-4U-4V-4Y Series



120-217

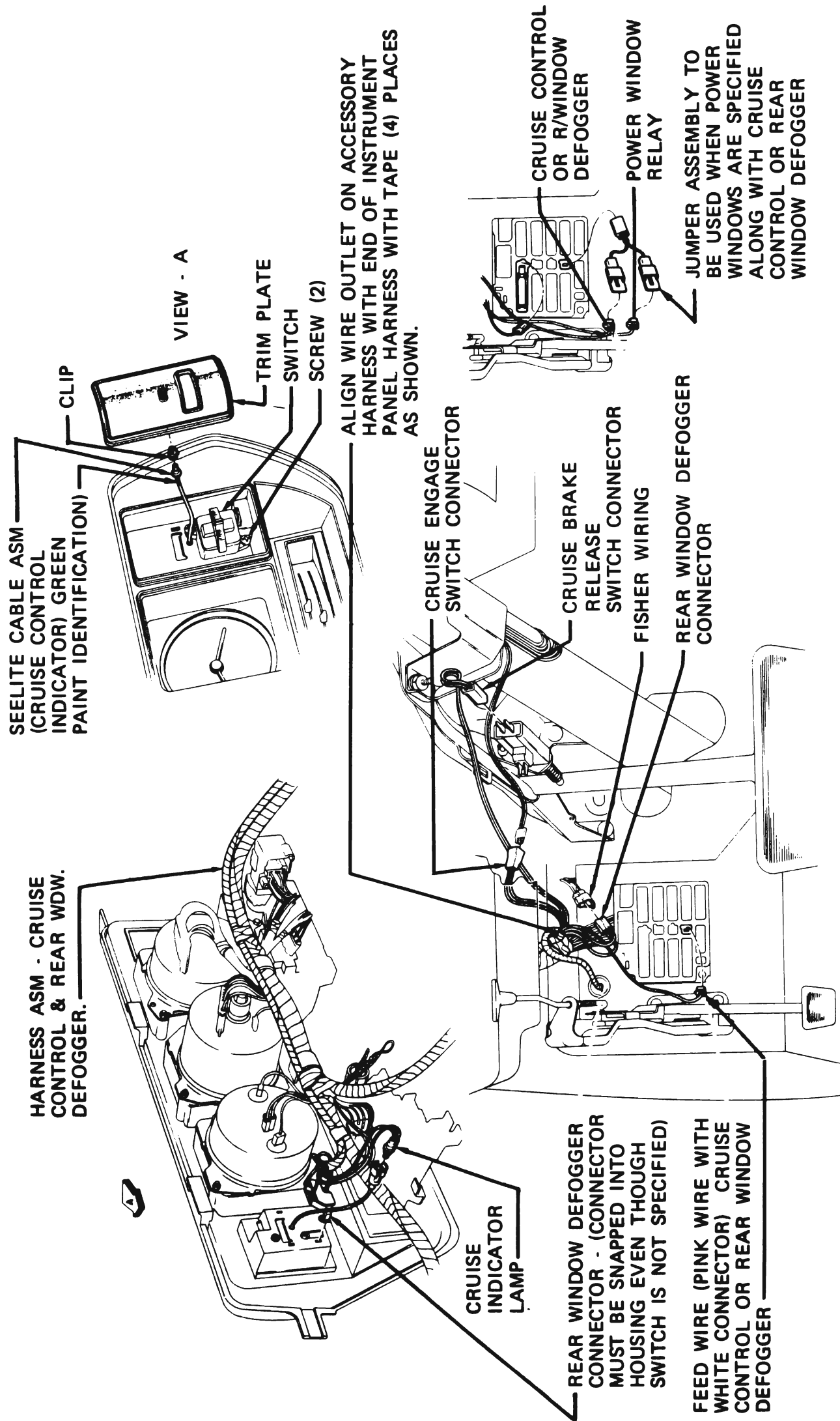
Figure 120-115 Air Conditioning Wiring Diagram (Automatic) 4L-4N-4R-4P-4U-4V-4Y Series





120-271

Figure 120-116 Power Top and Tail Gate Window Wiring 4D-4F-4G-4H Series



120-272

Figure 120-117 Cruise Control W/Rear Defogger Wiring 4D-4F-4G-4H Series

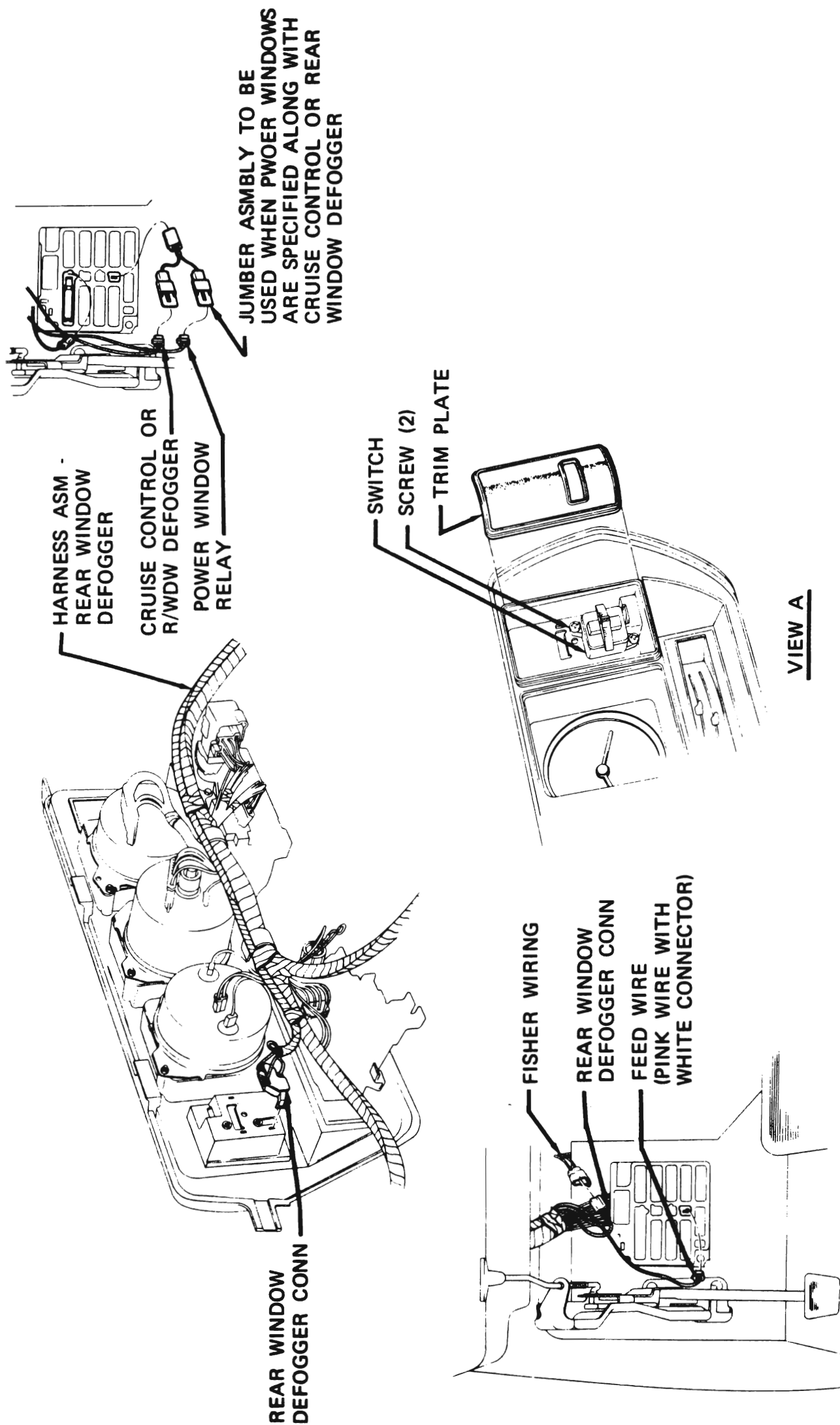


Figure 120-118 Rear Window Defogger 4D-4F-4G-4H Series



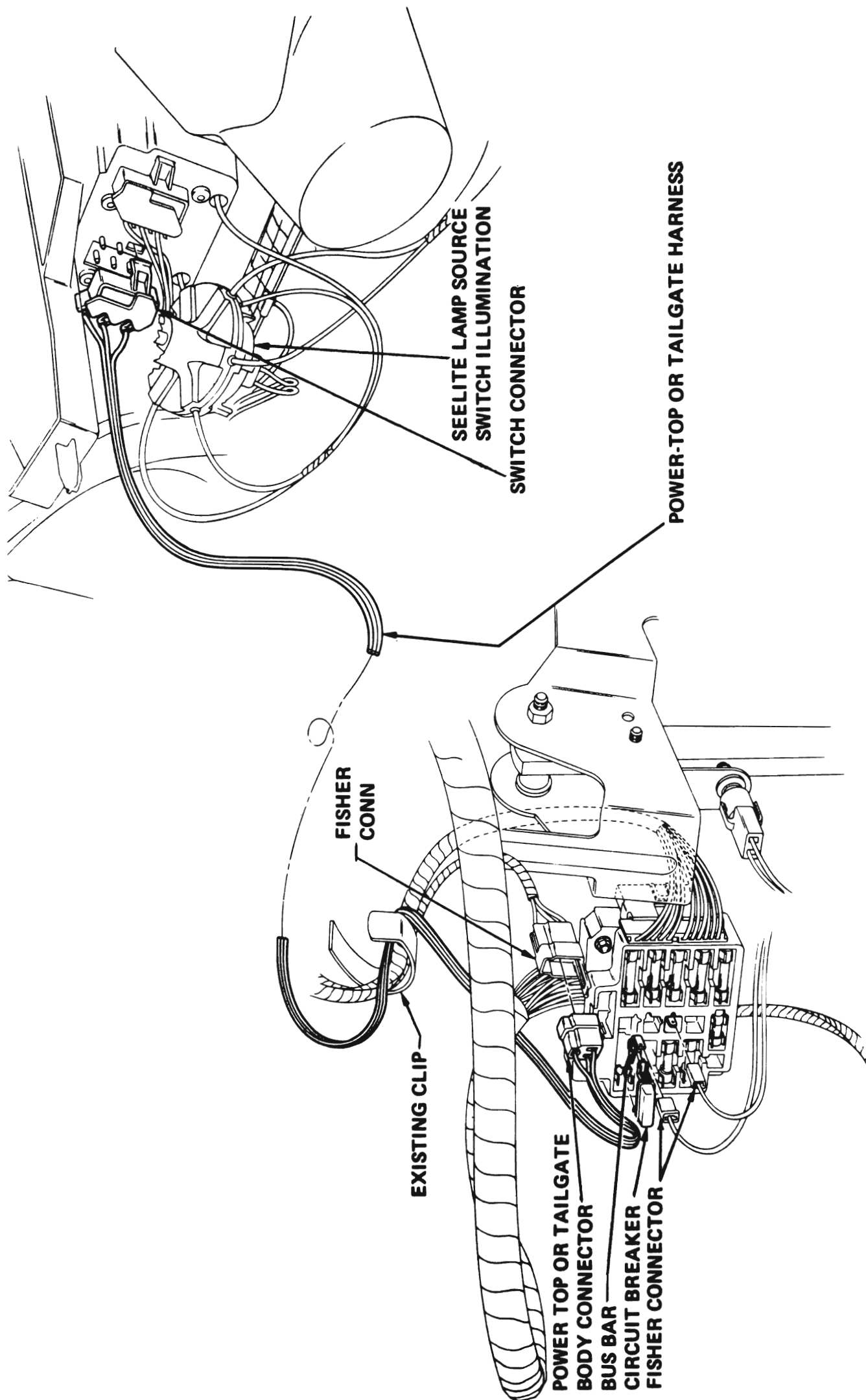


Figure 120-120 Power Top and Tail Gate Window Wiring 4L-4N-4R Series

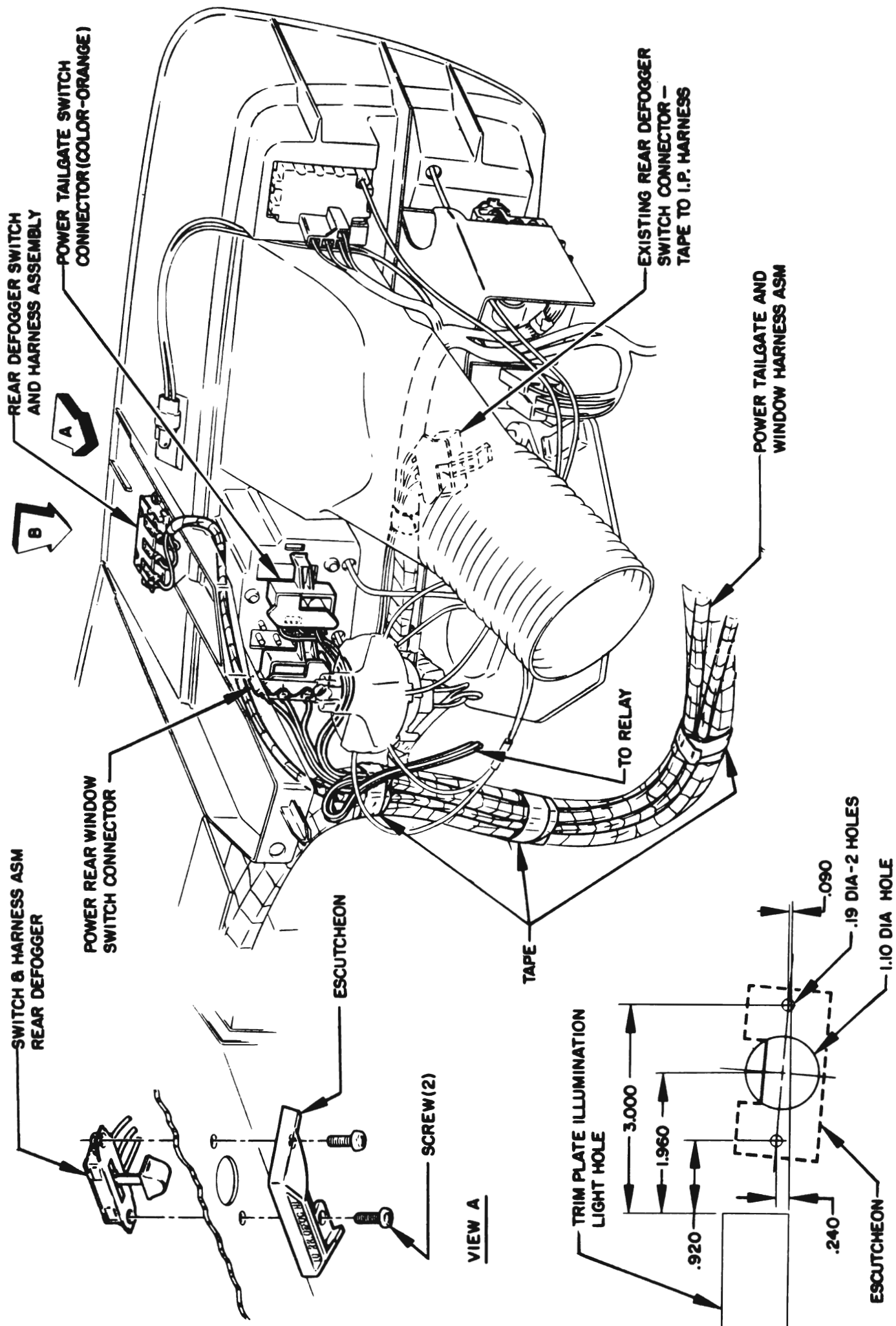


Figure 120-121 Power Tailgate and Window W/Defogger 4R Series



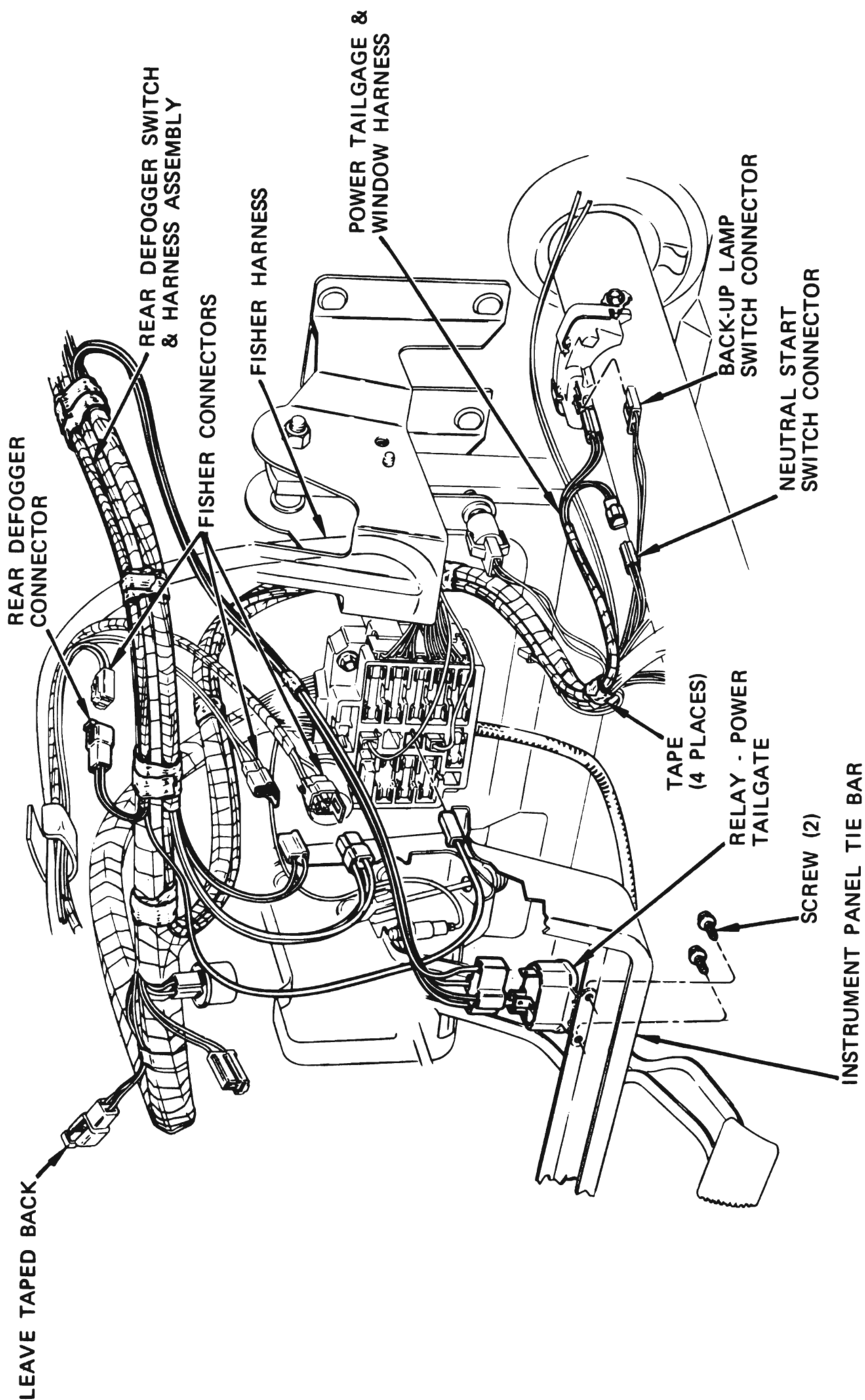
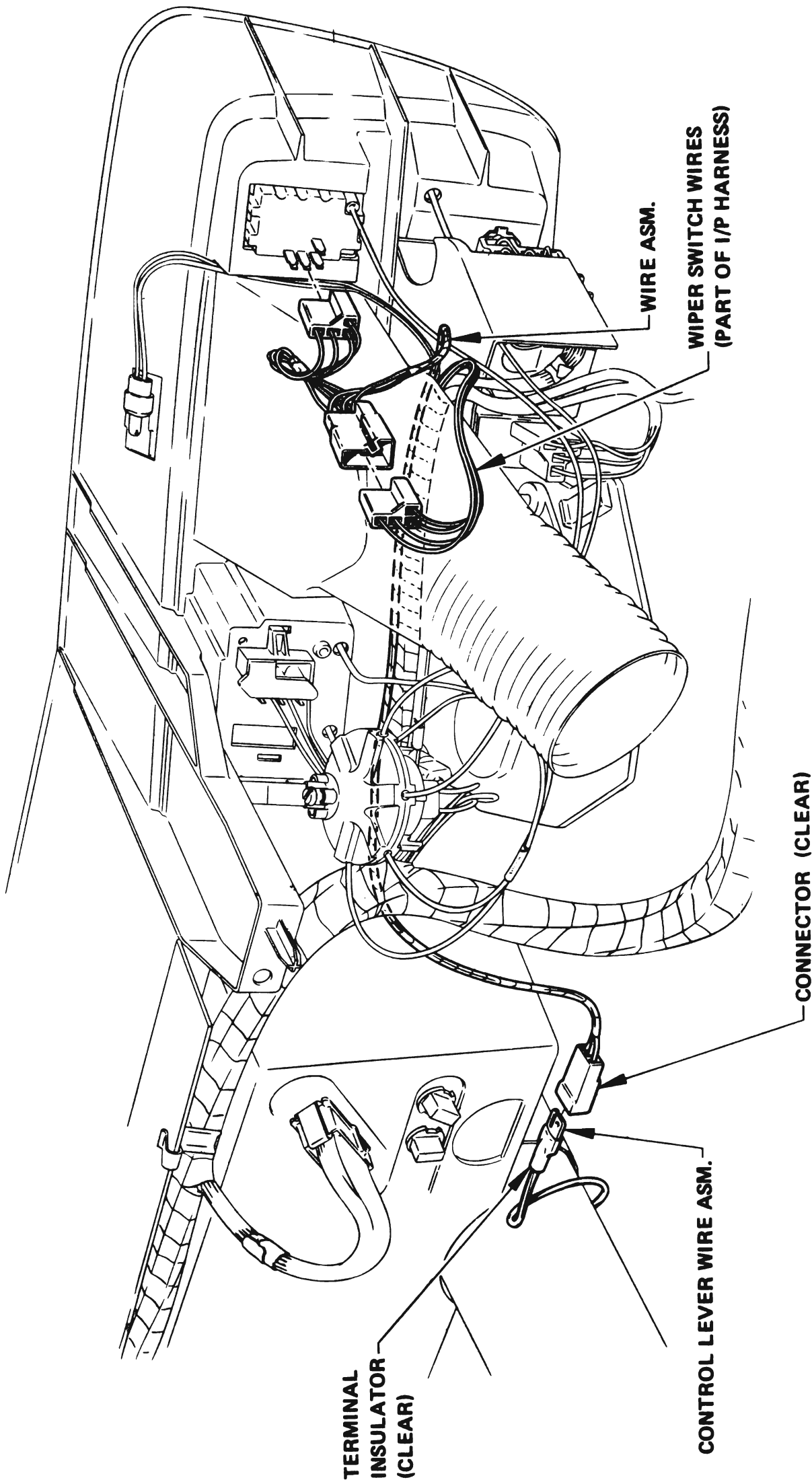


Figure 120-122 Power Tailgate and Window with Rear Defogger 4R Series



120-122

Figure 120-123 Demand Wiper Control Wiring 4L-4N-4R-4P-4U-4V-4Y Series

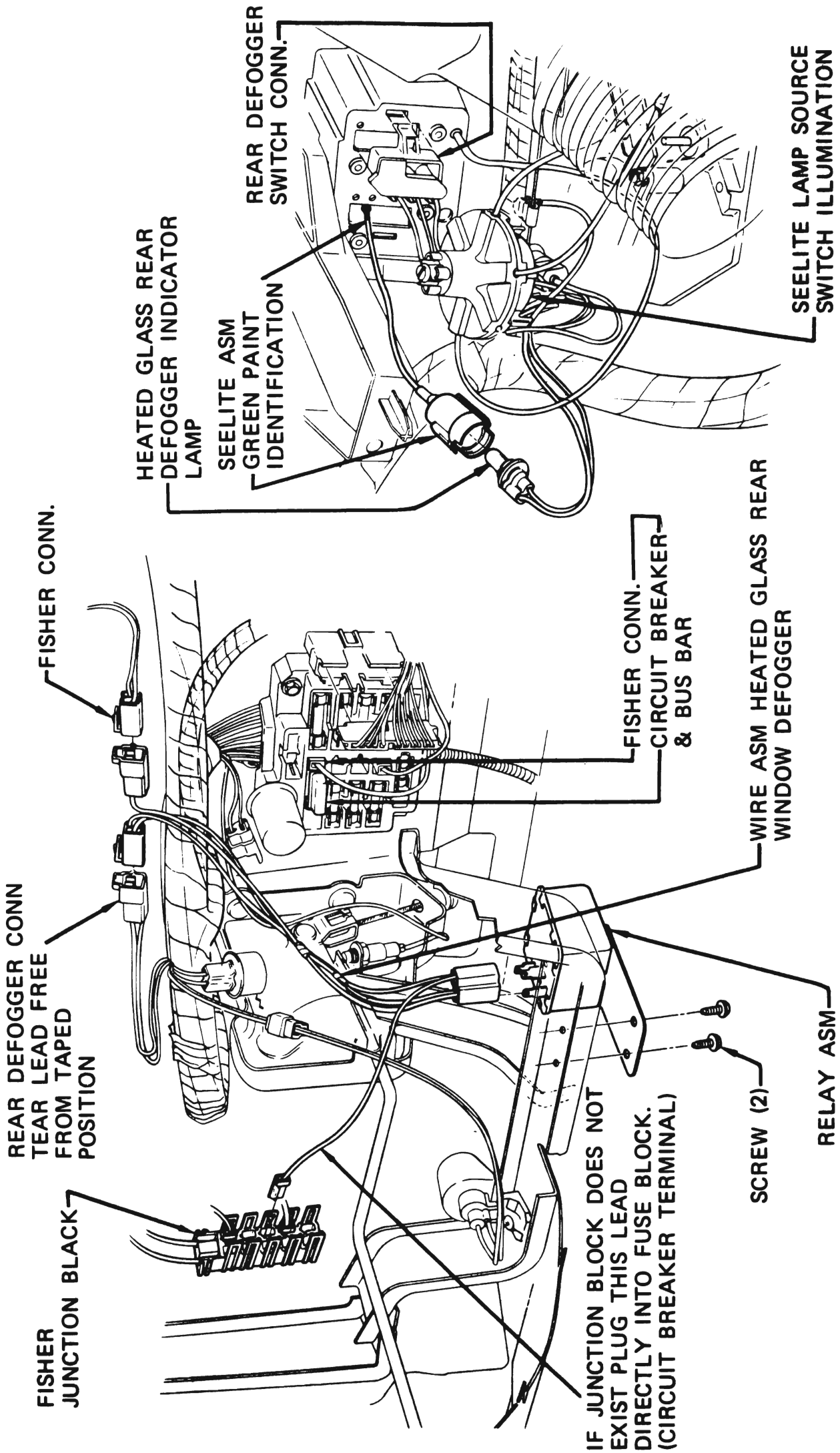
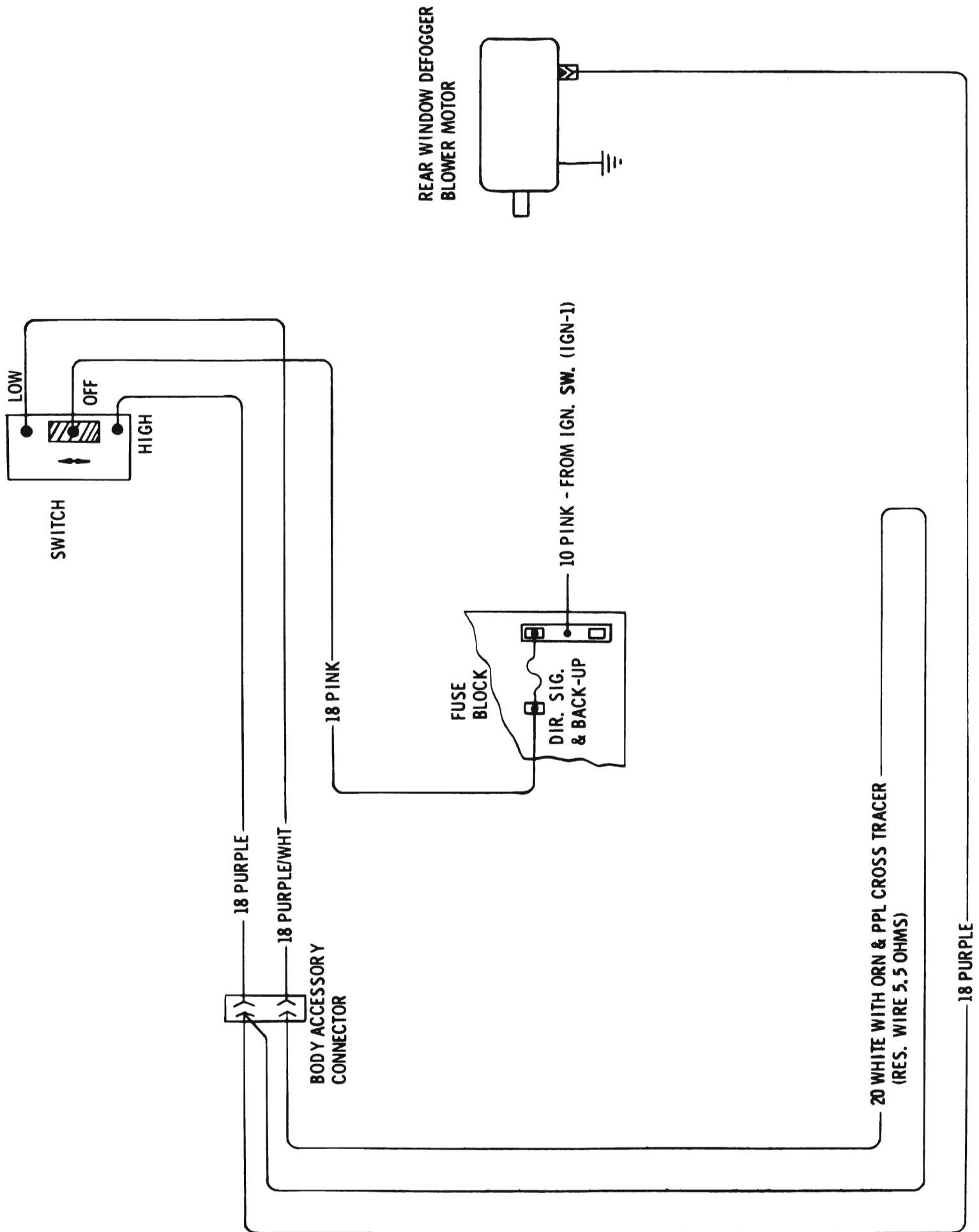
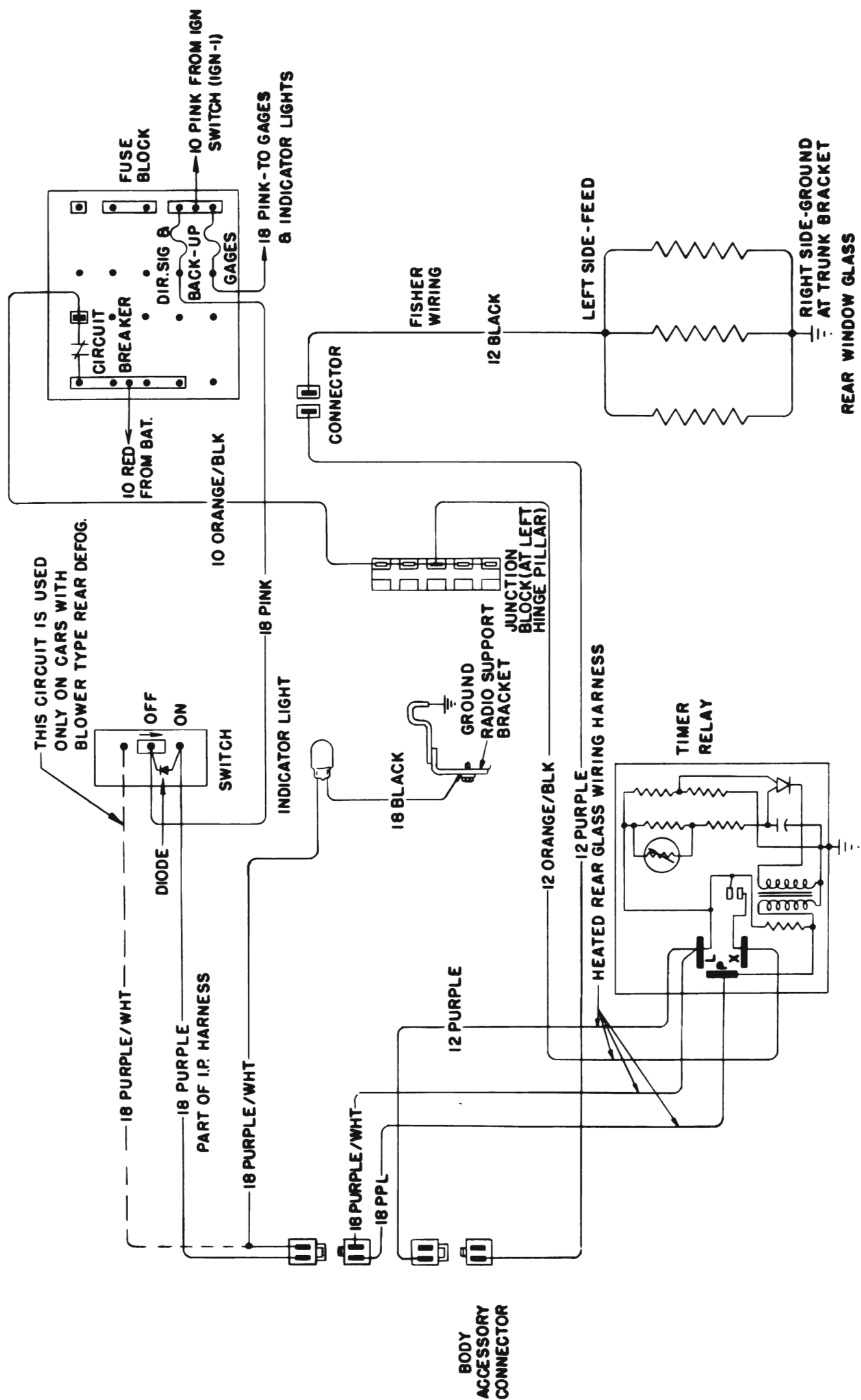


Figure 120-124 Heated Glass Rear Defogger 4L-4N-4P-4U-4V Series



120-203

Figure 120-125 Rear Window Defogger Diagram- All Series



120-204

Figure 120-126 Heated Rear Glass Diagram 4L-4N-4R-4U-4V Series

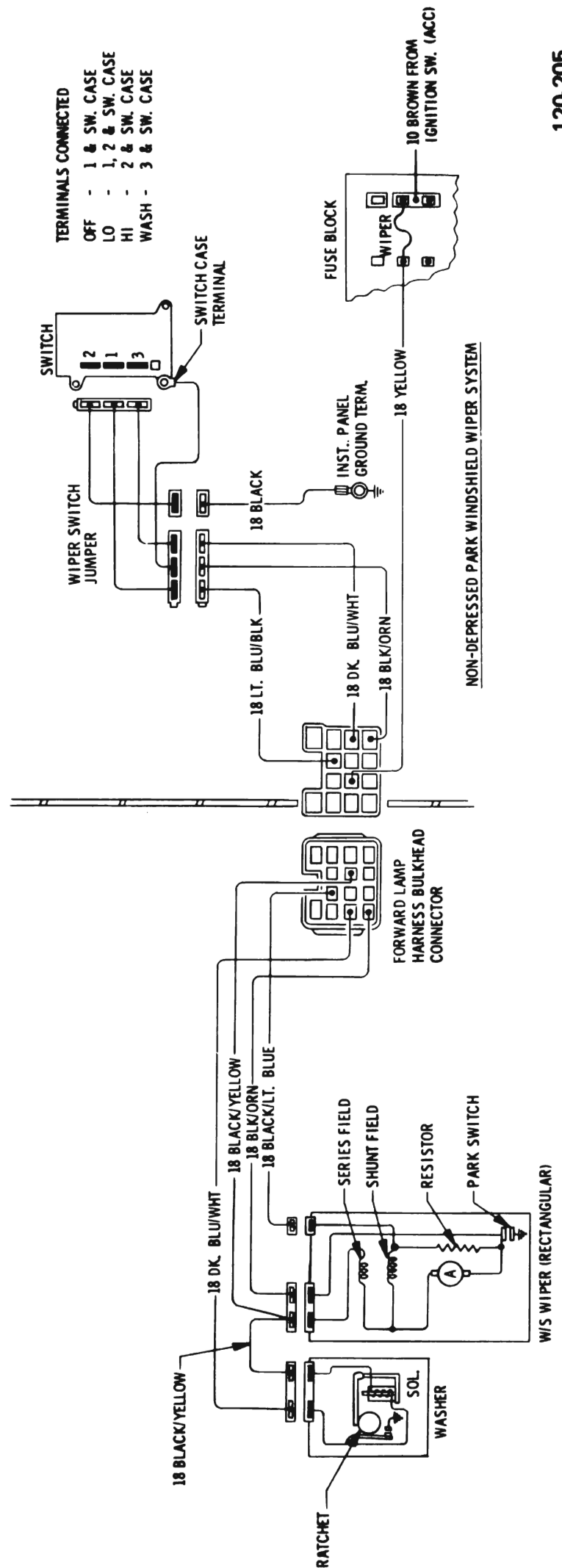
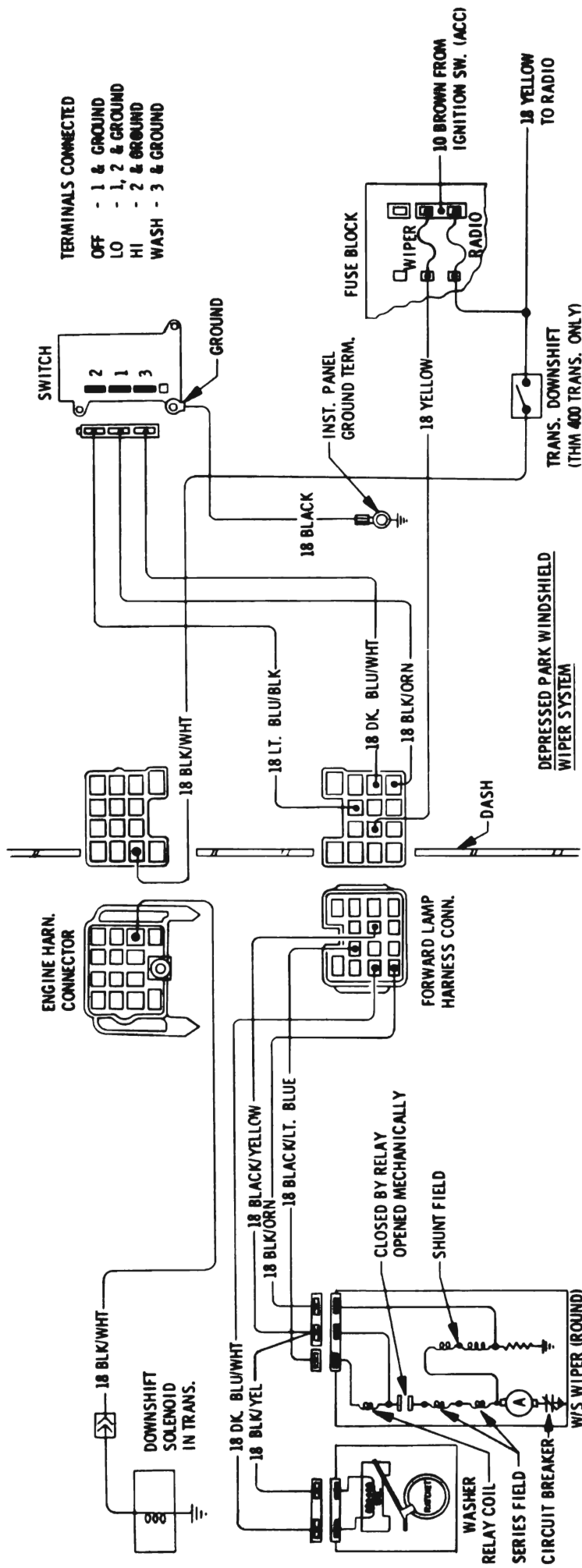


Figure 12-127 Wiper (and Trans. Downshift) 4D-4F-4G-4H Series



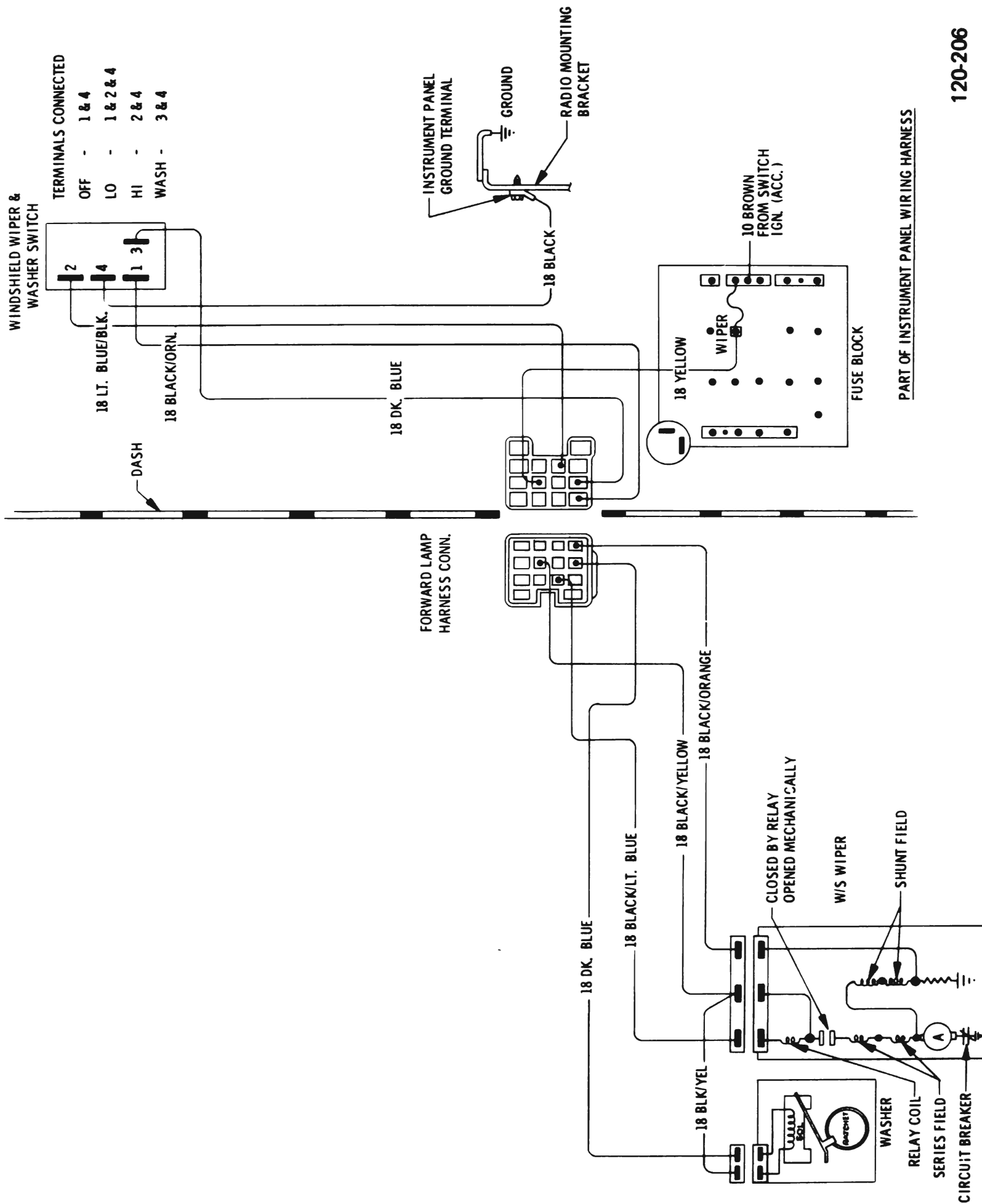
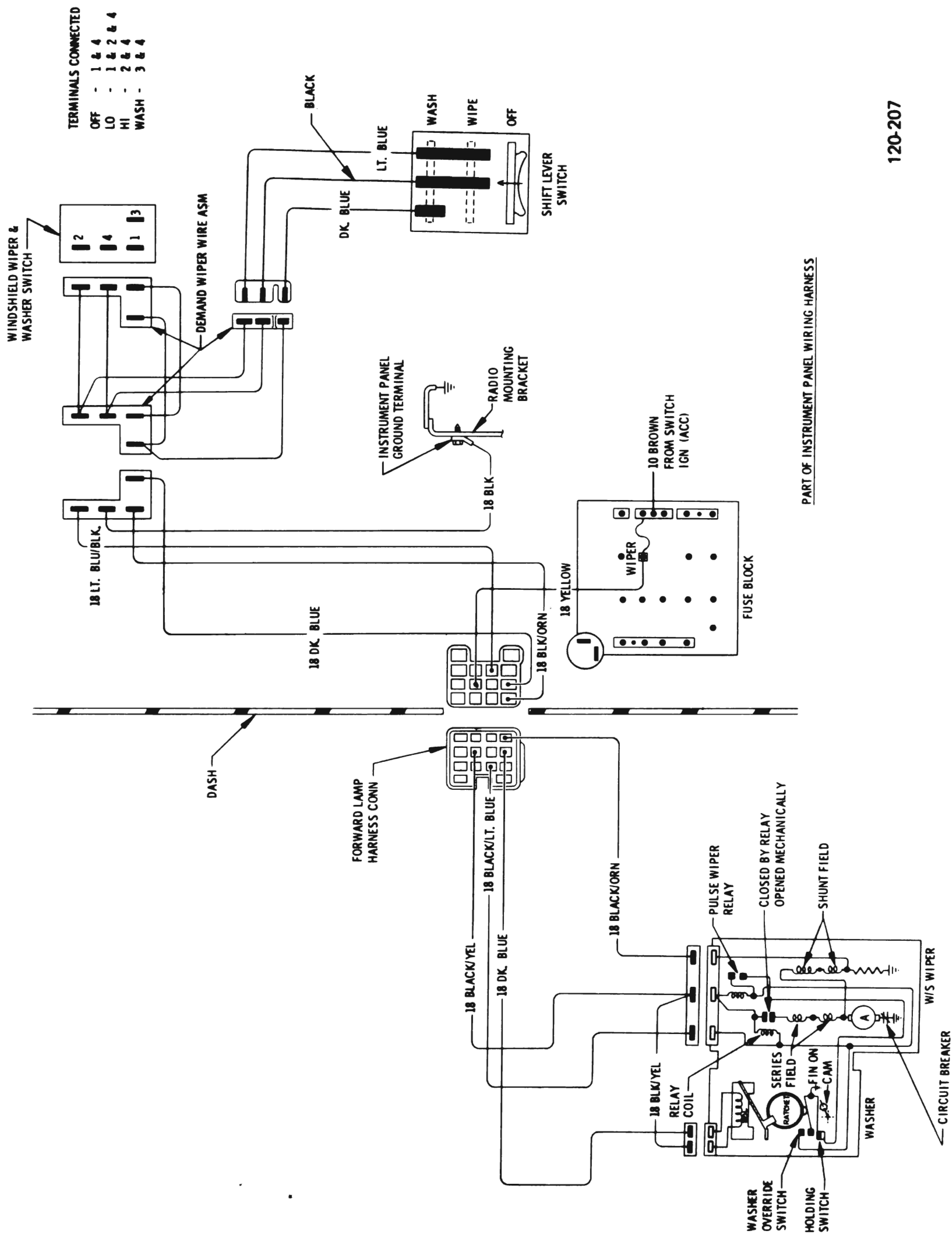


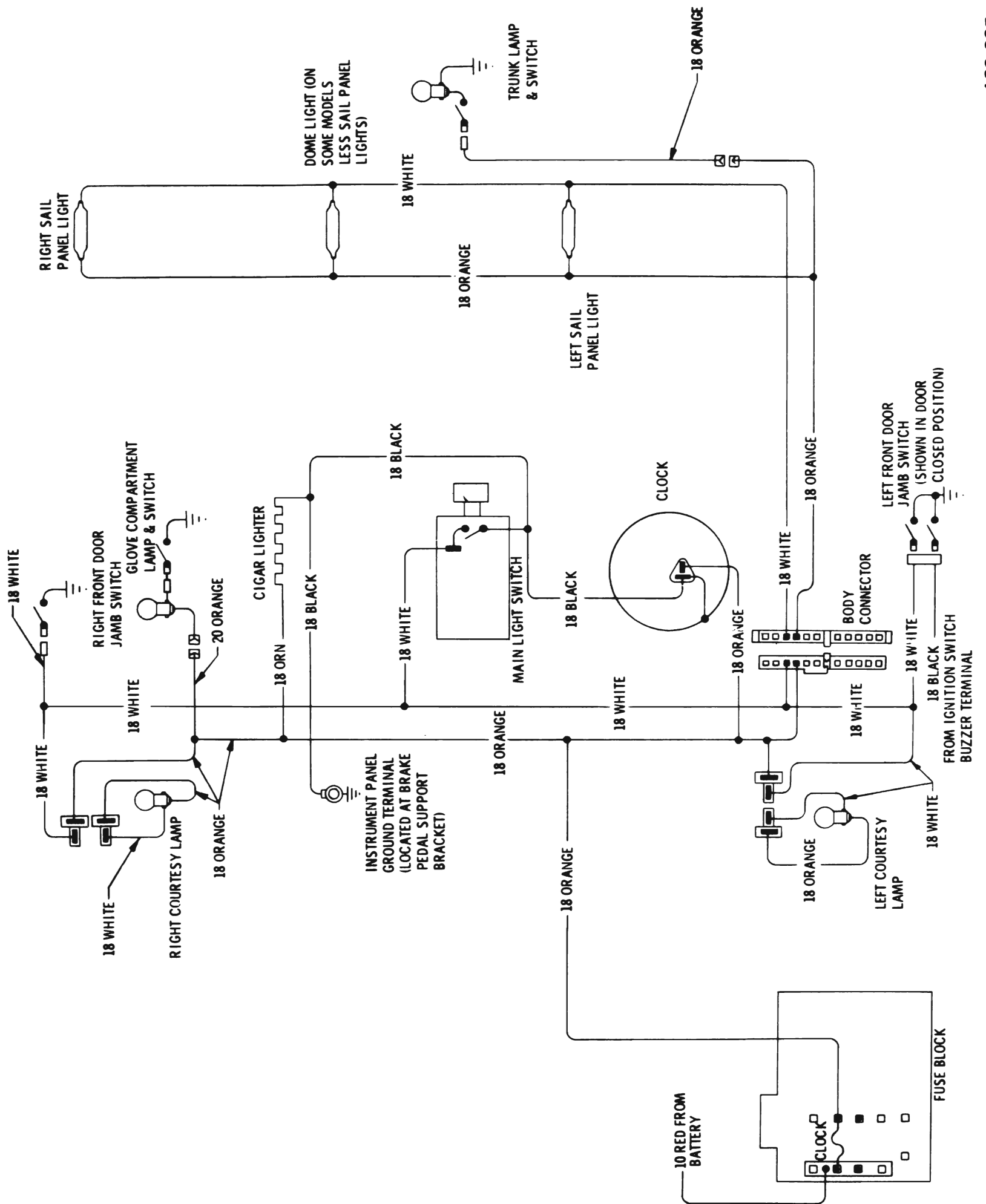
Figure 120-128 Wiper Wiring 4L-4N-4P-4U-4V-4Y Series



120-207

Figure 120-129 Demand Wiper Wiring Diagram 4L-4N-4R-4P-4U-4V-4Y Series

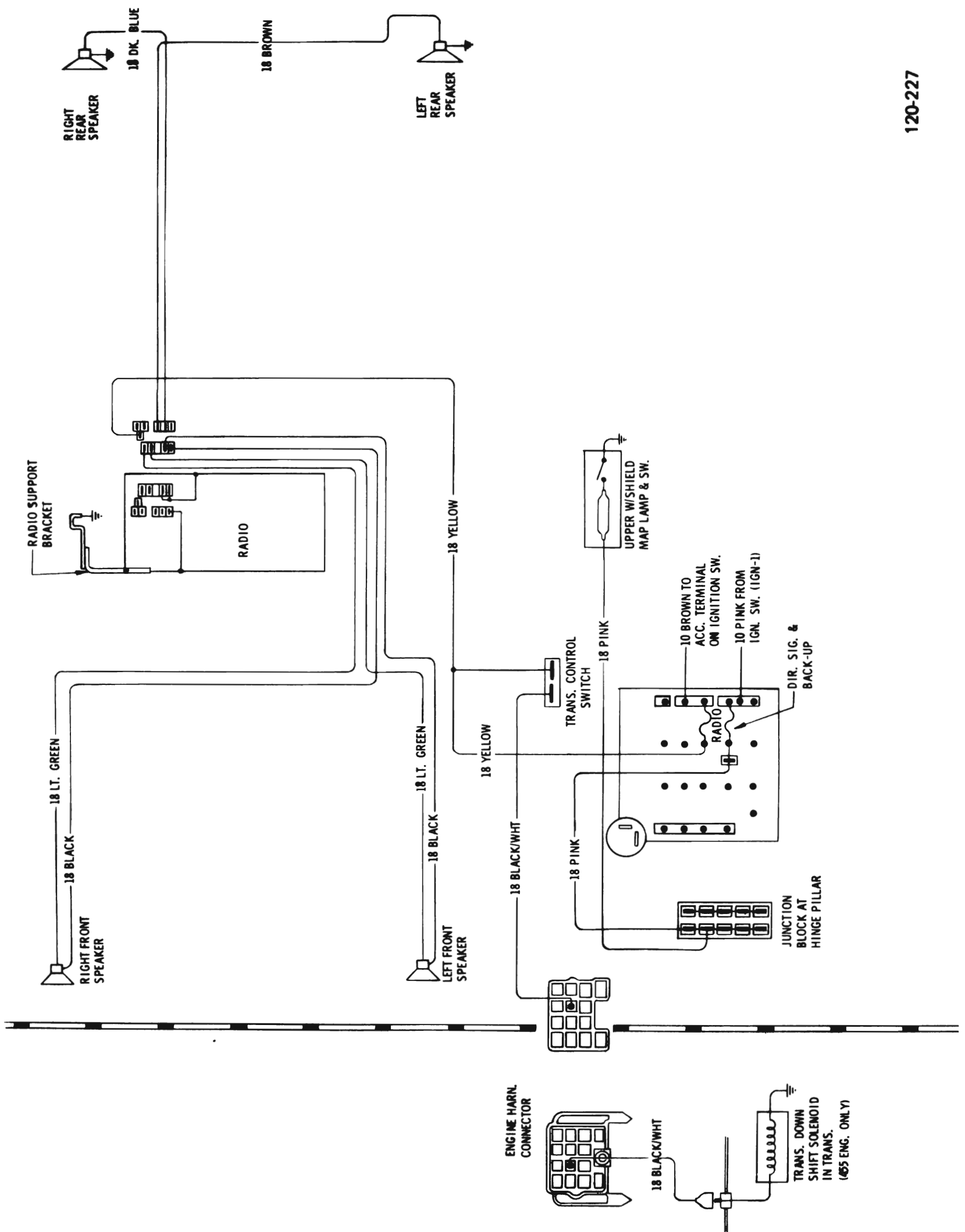




120-225

Figure 120-131 Courtesy Lights, Clock and Dome 4D-4F-4G-4H Series





120-227

Figure 120-133 Stereo Radio, Trans. Downshift and Map Ligth 4L-4N-4R-4P-4U-4V-4Y Series





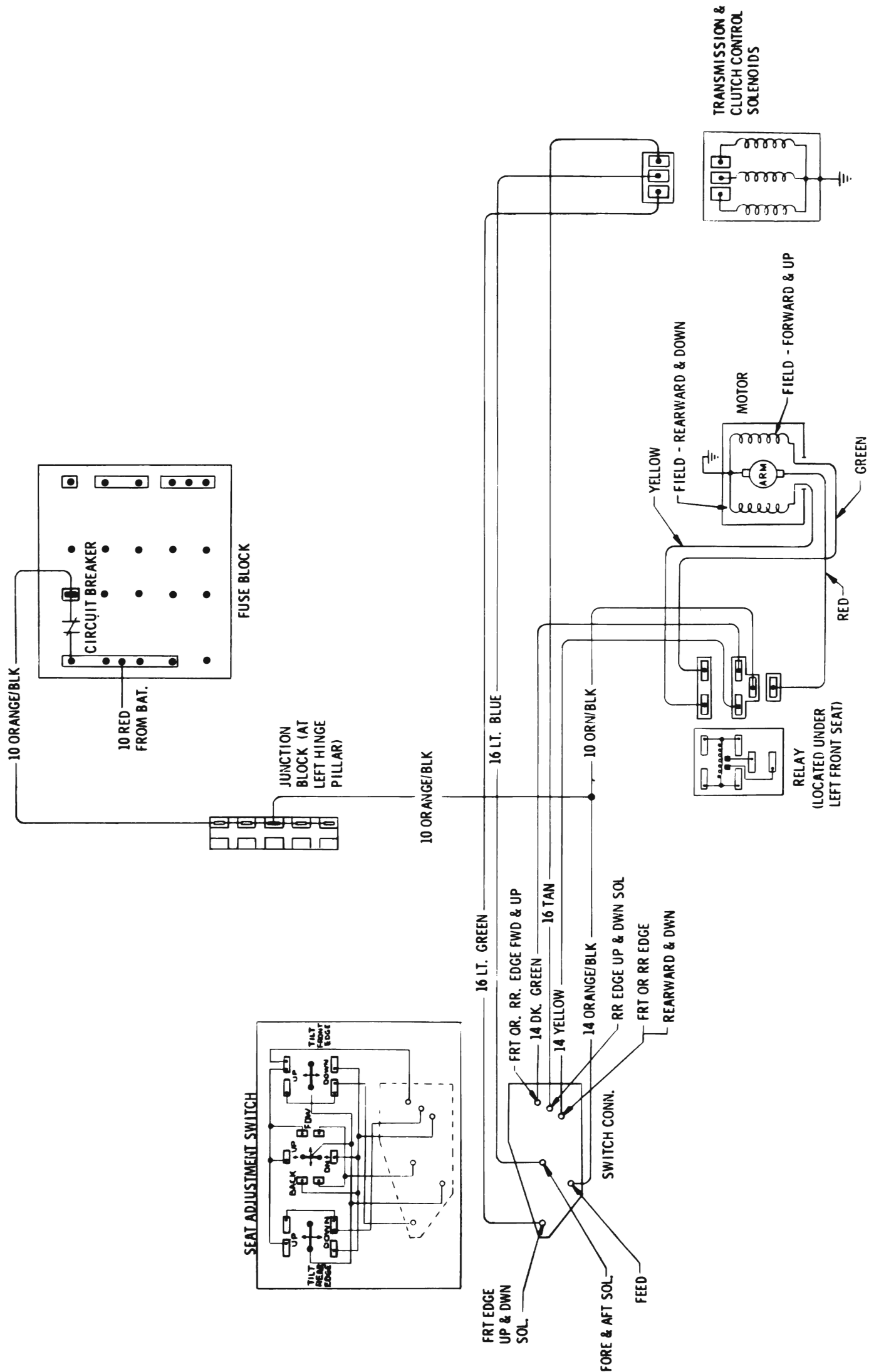
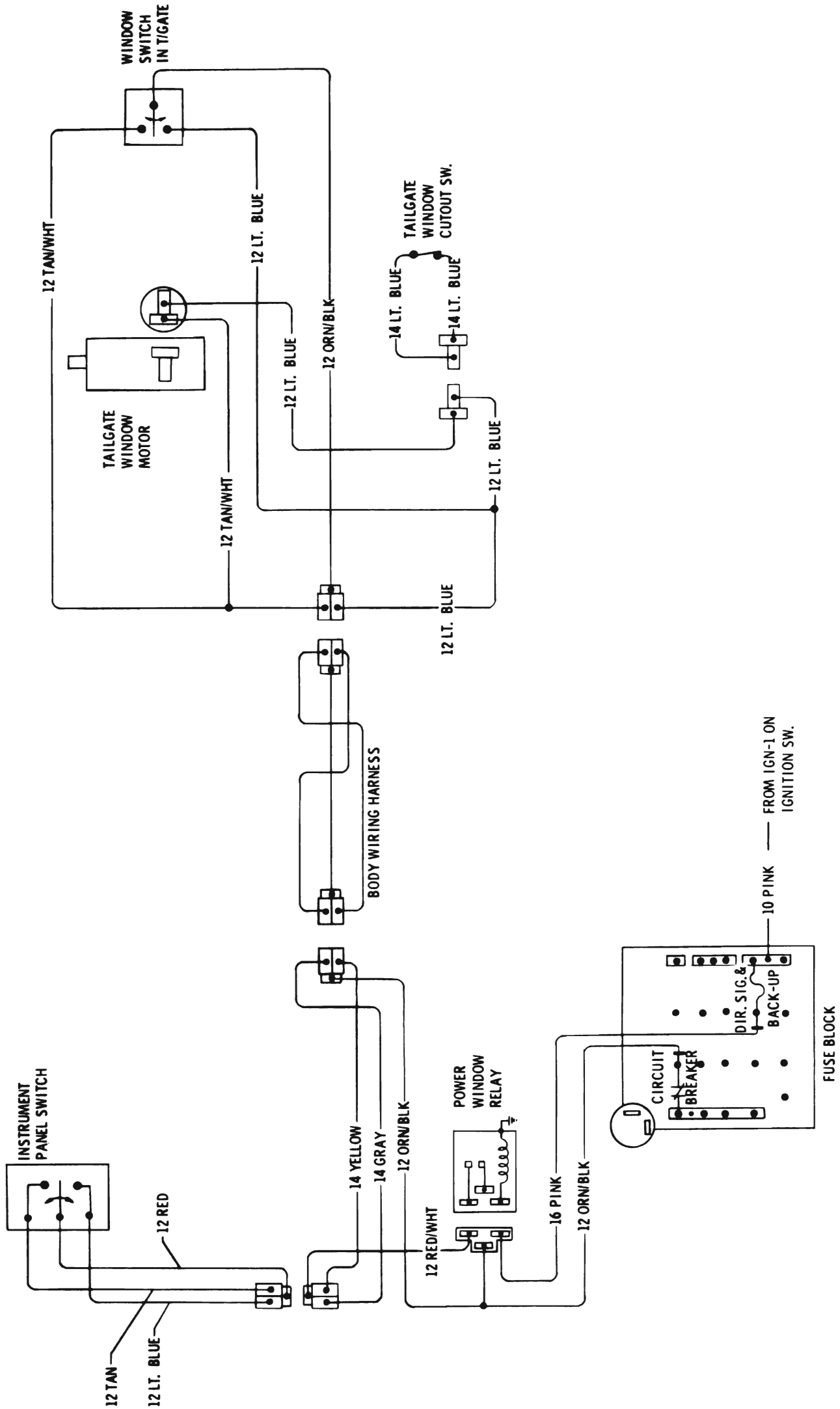


Figure 120-135 Power Seat (6-way) 4L-4N-4R-4P-4U-4V-4Y Series





120-234

Figure 120-137 Power Tailgate Window 4F Series

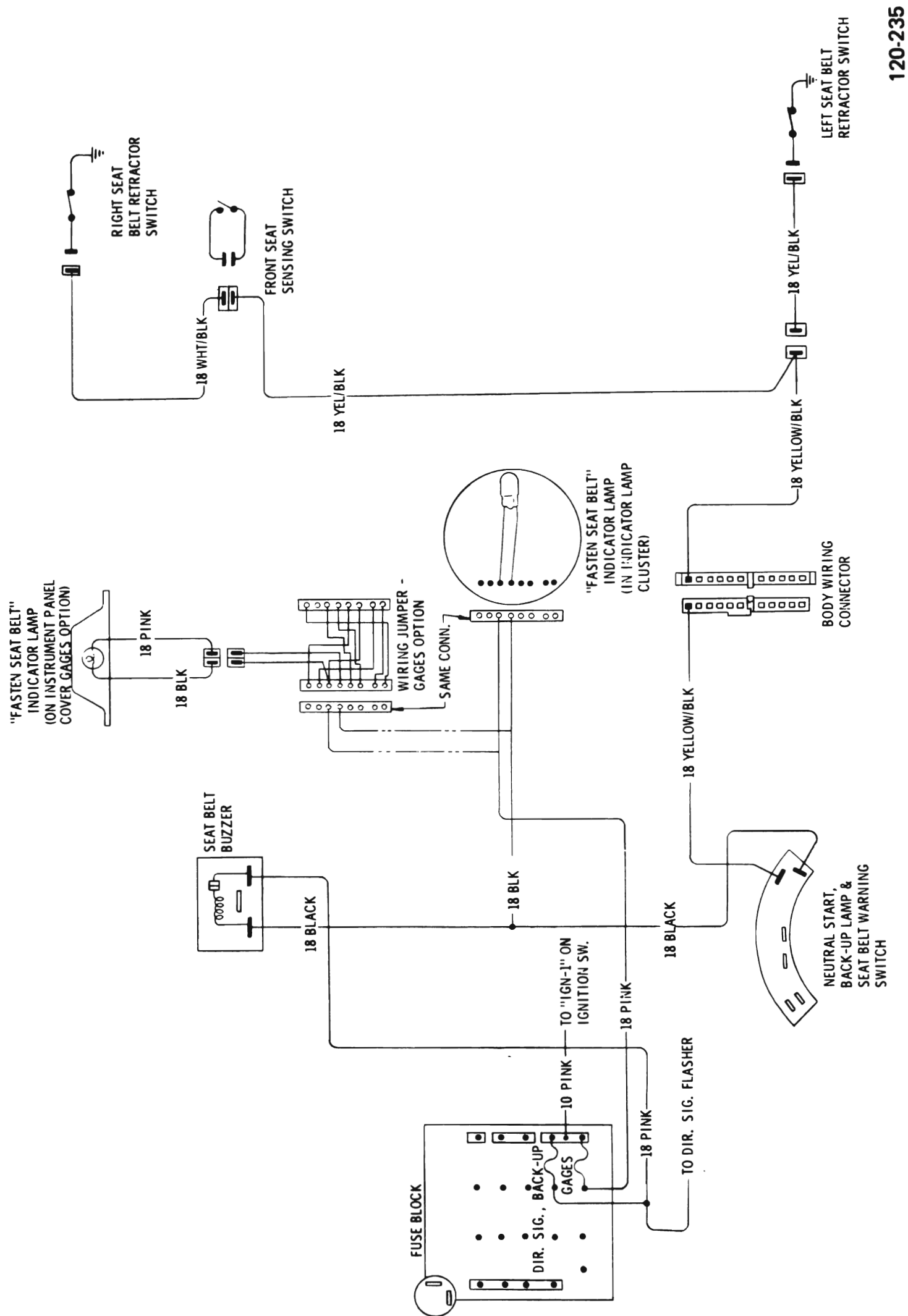


Figure 120-138 Seat Belt Warning 4D-4F-4G-4H Series

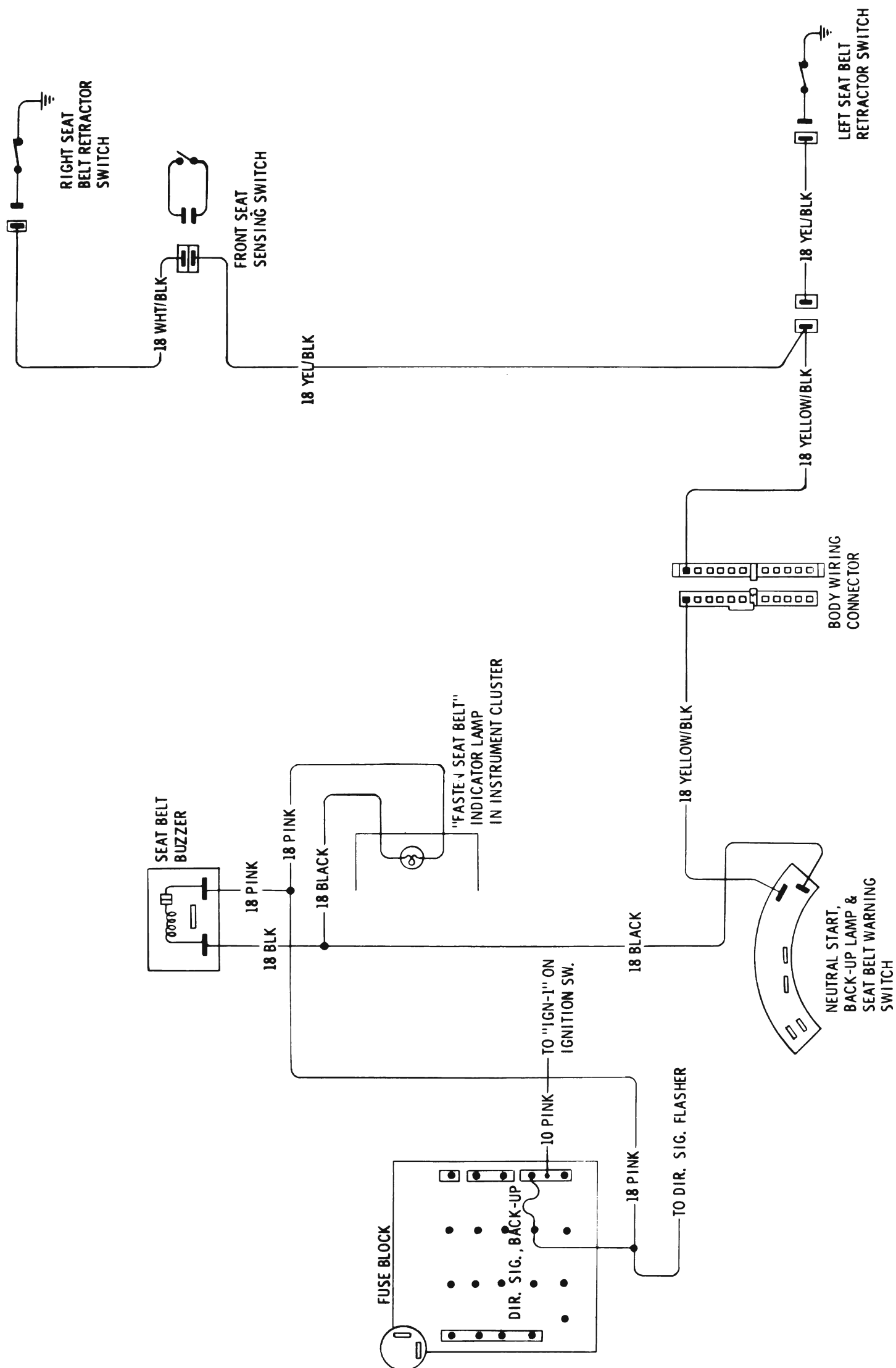
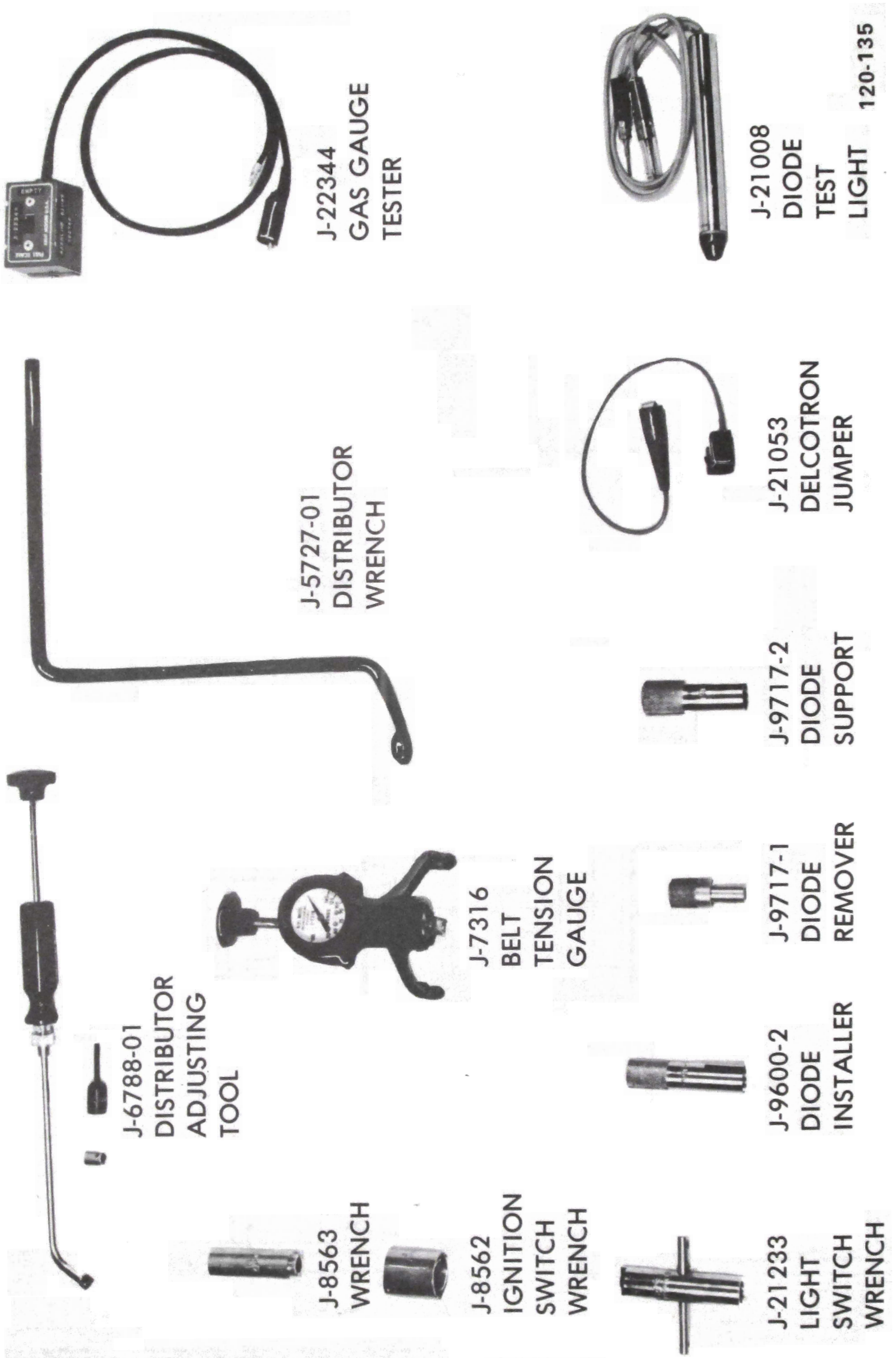


Figure 120-139 Seat Belt Warning 4L-4N-4R-4P-4U-4V-4Y Series



120-135

Figure 120-142 Electrical System Special Tools - All Series