

SECTION 10-J

WIRING CIRCUIT DIAGRAMS

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10-63 CIRCUIT DIAGRAMS AND FUSE BLOCK

This section contains 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 Buick Body Service Manual. Wiring diagrams of the power window and power seat circuits are also in that section.

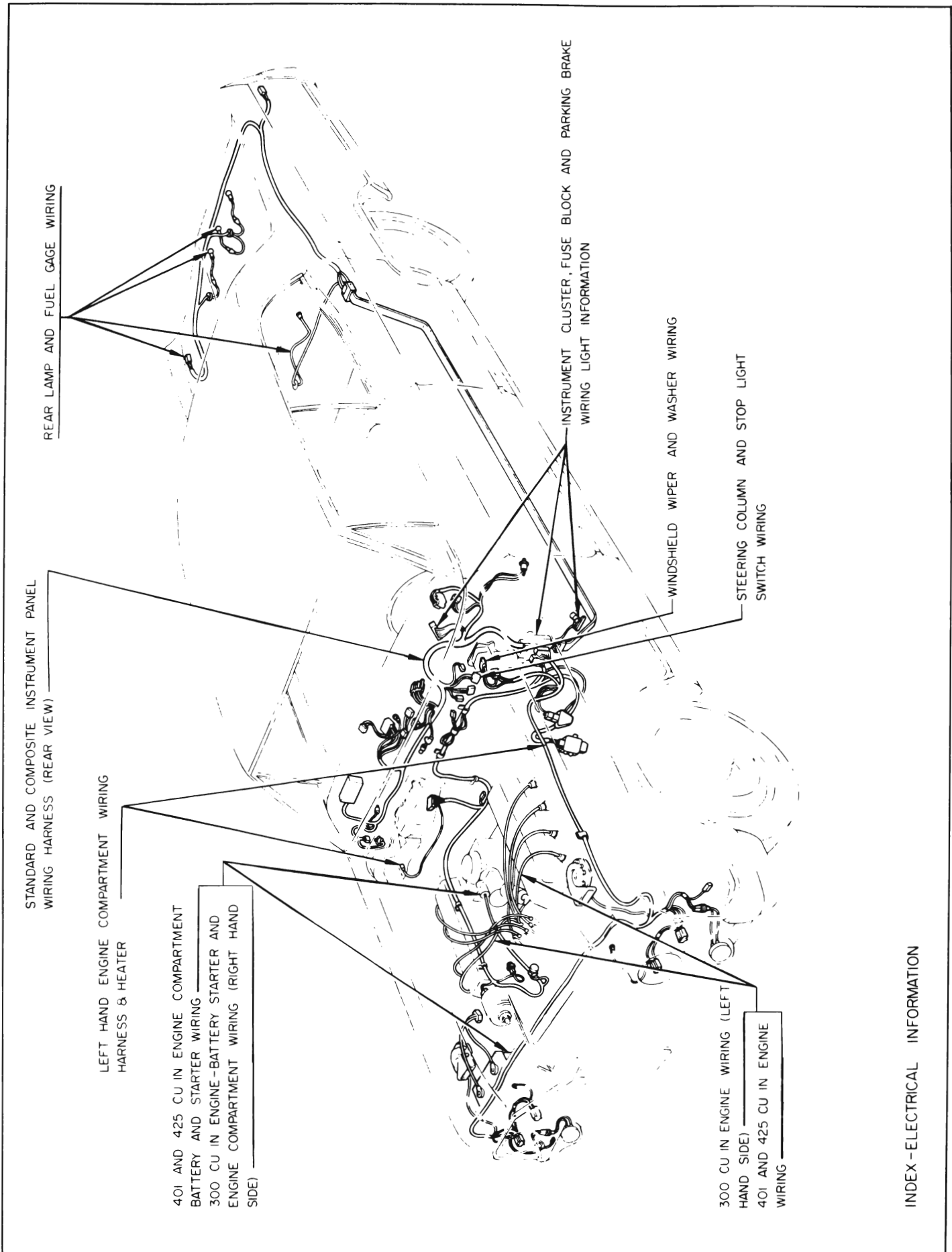
A few of the most important wiring terminals are connected with screws. However, most of the

terminals have a flat push-pull type connector, the terminal on the wire requires a straight hard push to seat it in the socket. A hard steady pull on the terminal is required to detach it from the socket.

A central fuse block is mounted 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 direction signal flasher, and contains most of the fuses. The fuse block is held in its bracket by a spring clip and may be easily

slipped out to check the fuses on one side or to check the connections on the other side.

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 harness plugs into this connector at the cowl. This type of connector aids in tracing down electrical troubles.



INDEX - ELECTRICAL INFORMATION

Figure 10-138—Electrical Information - Index

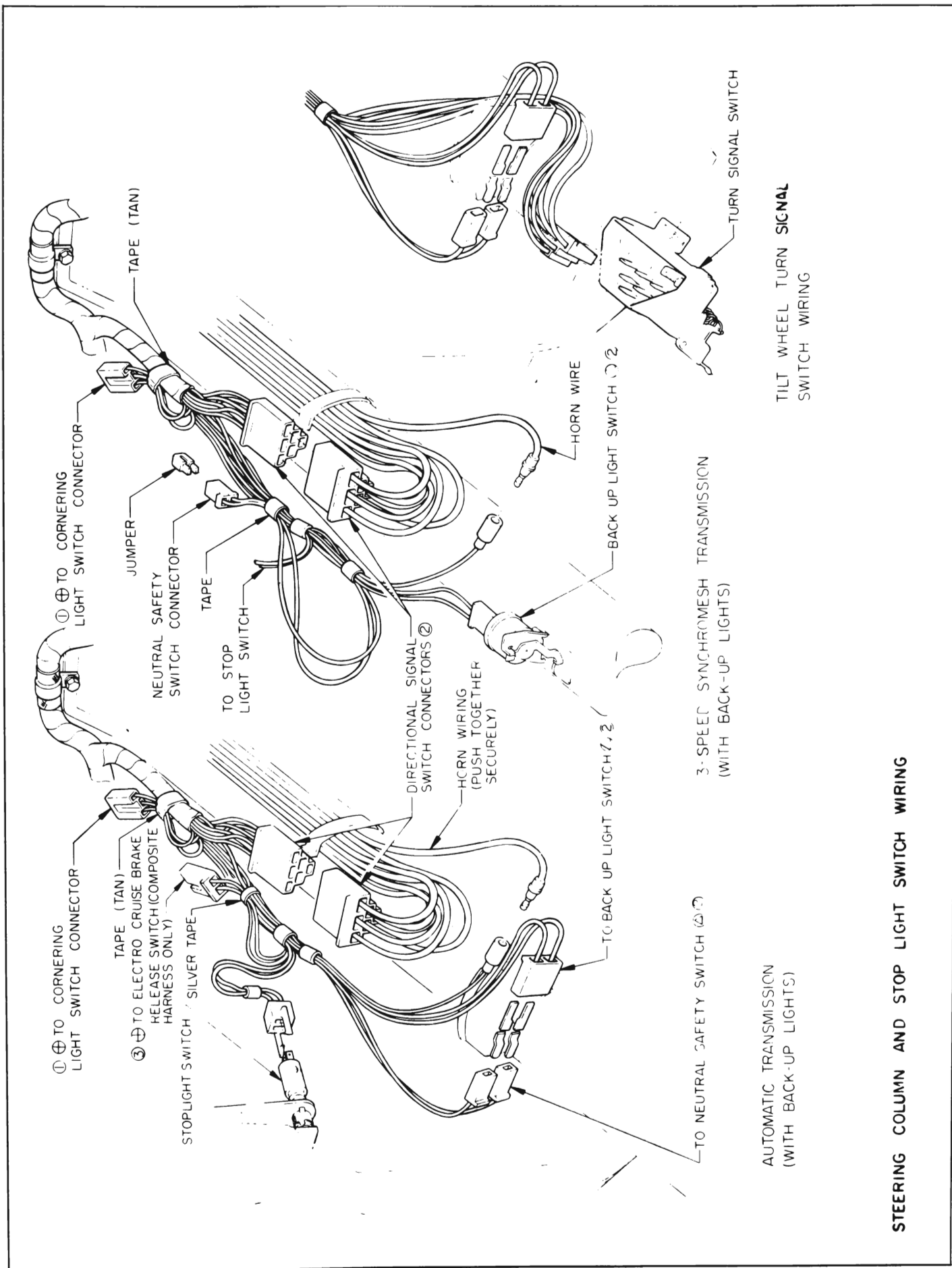


Figure 10-141—Steering Column and Stop Light Switch Wiring

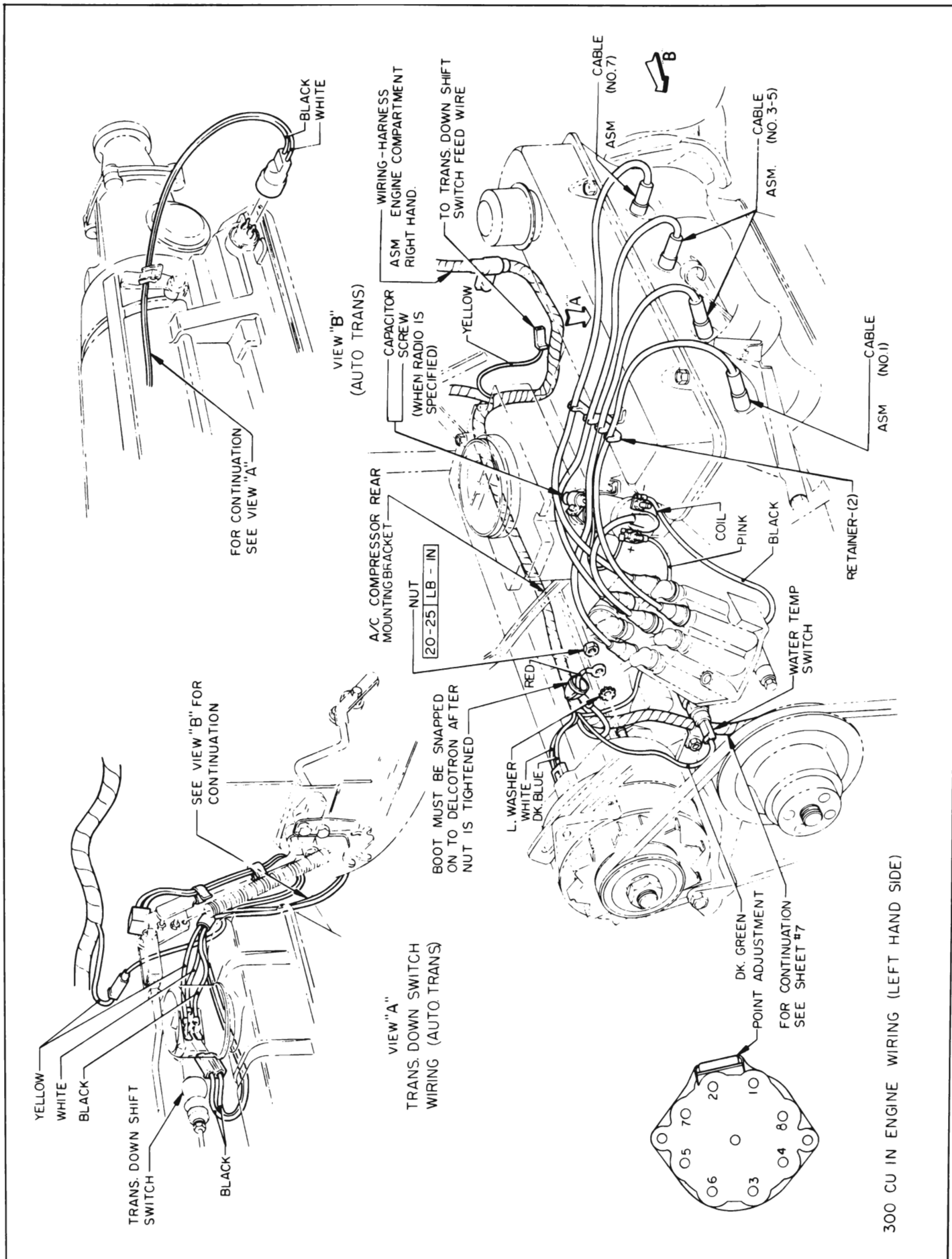


Figure 10-143-300 Engine Wiring - Left Side

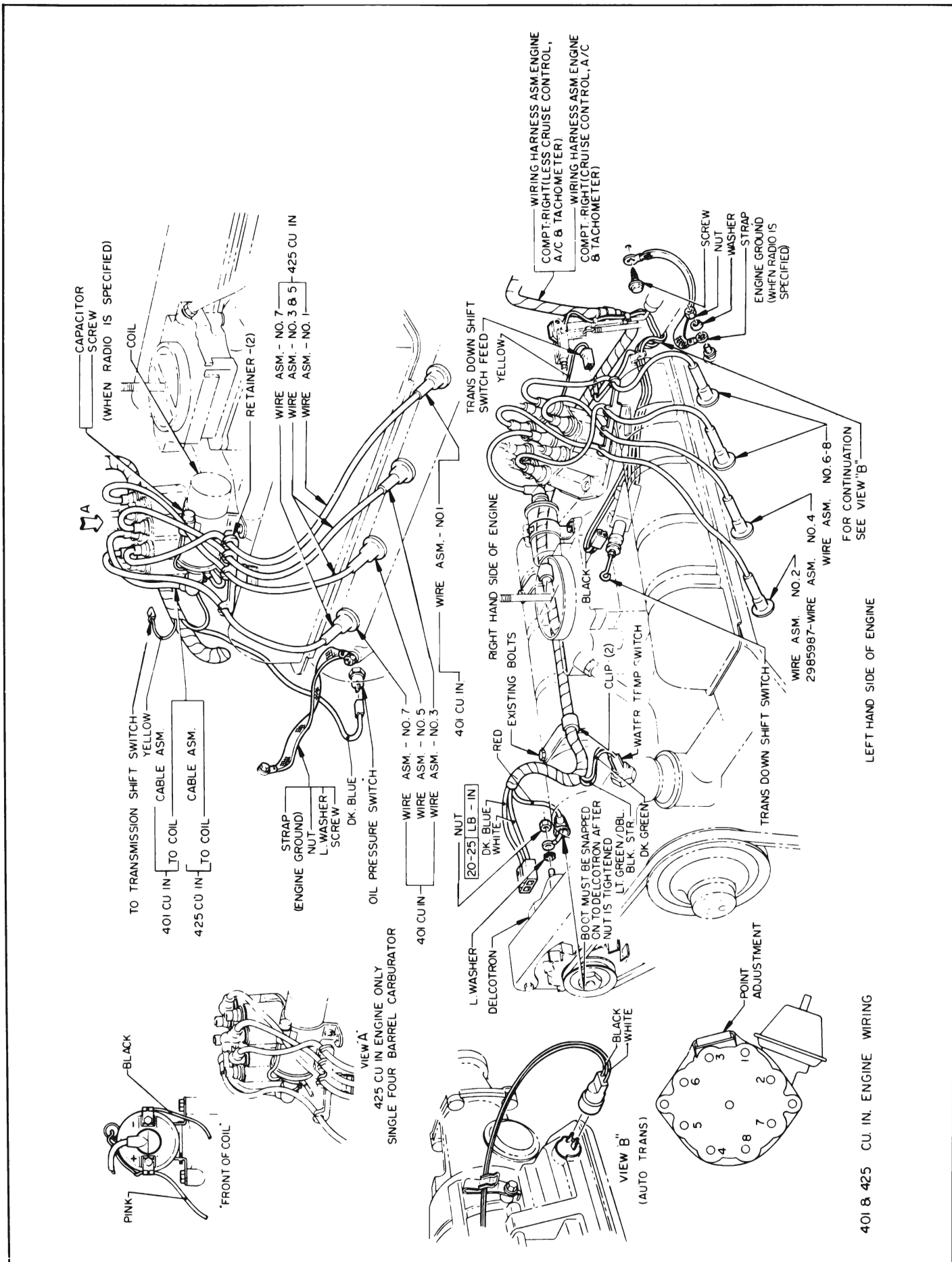


Figure 10-145-401 and 425 Engine Wiring

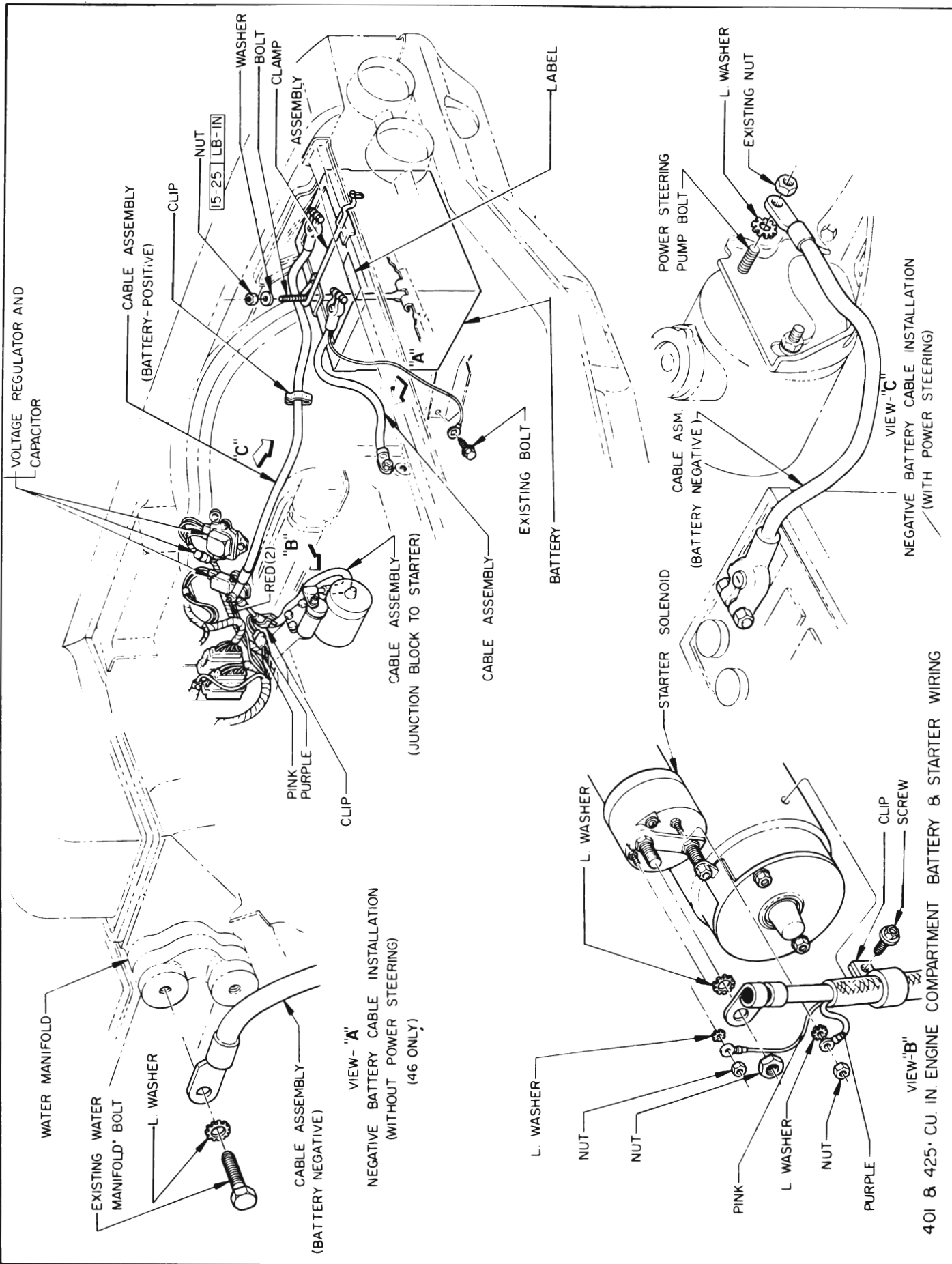


Figure 10-146-401 and 425 Engine Compartment Wiring

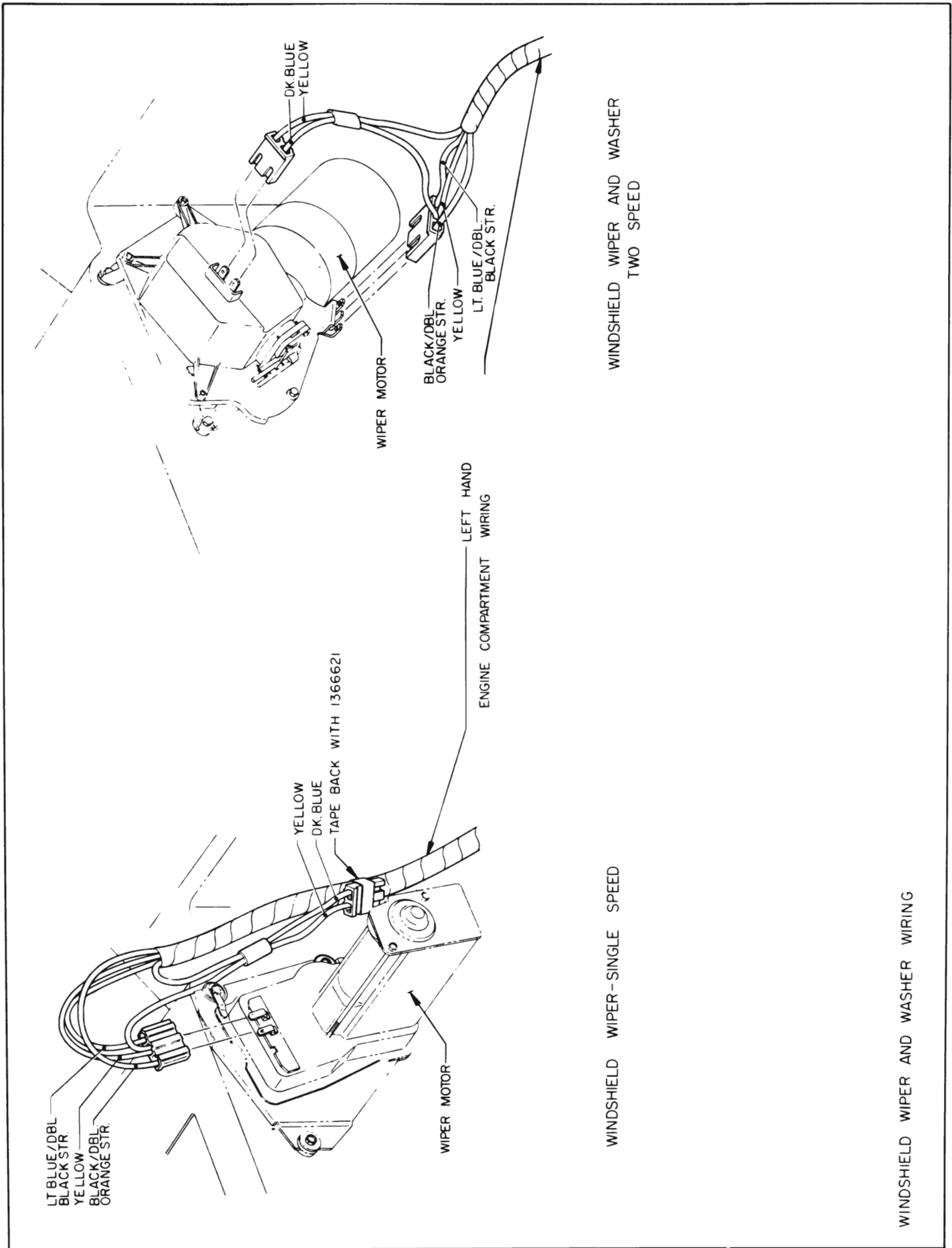
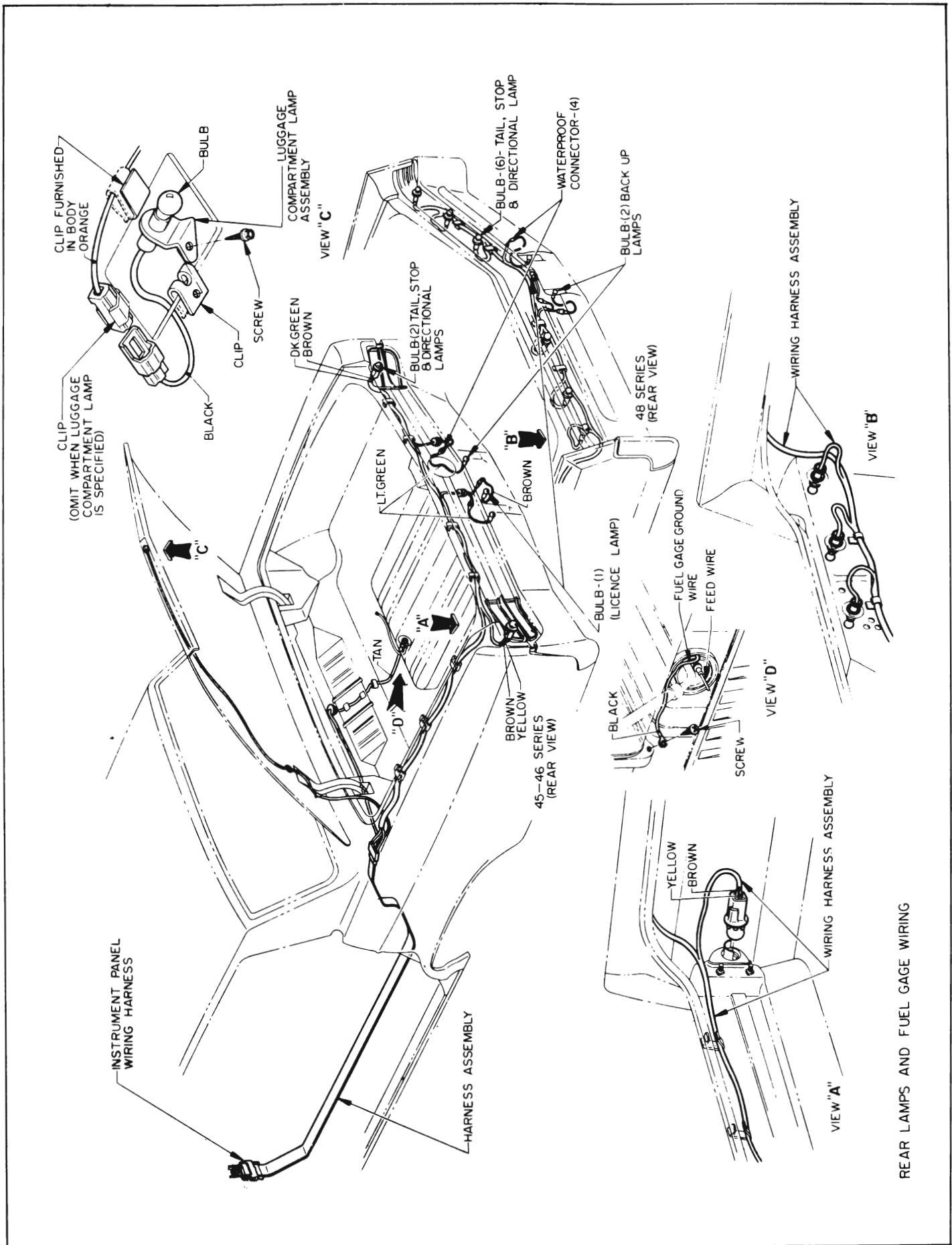


Figure 10-147—Windshield Wiper and Washer Wiring



REAR LAMPS AND FUEL GAGE WIRING

Figure 10-148—Rear Lamps and Fuel Gauge Wiring

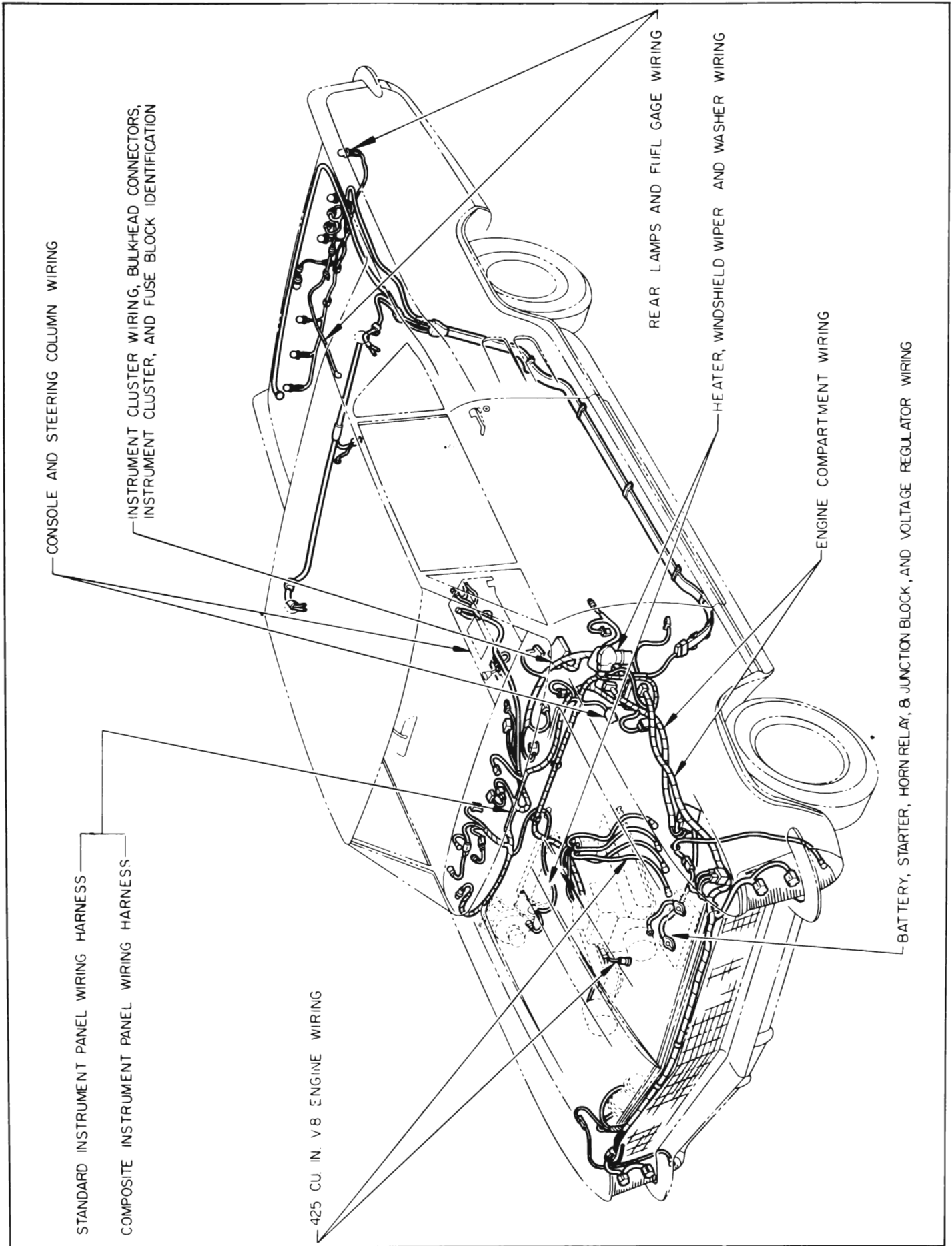


Figure 10-149—Electrical Information Index - Riviera

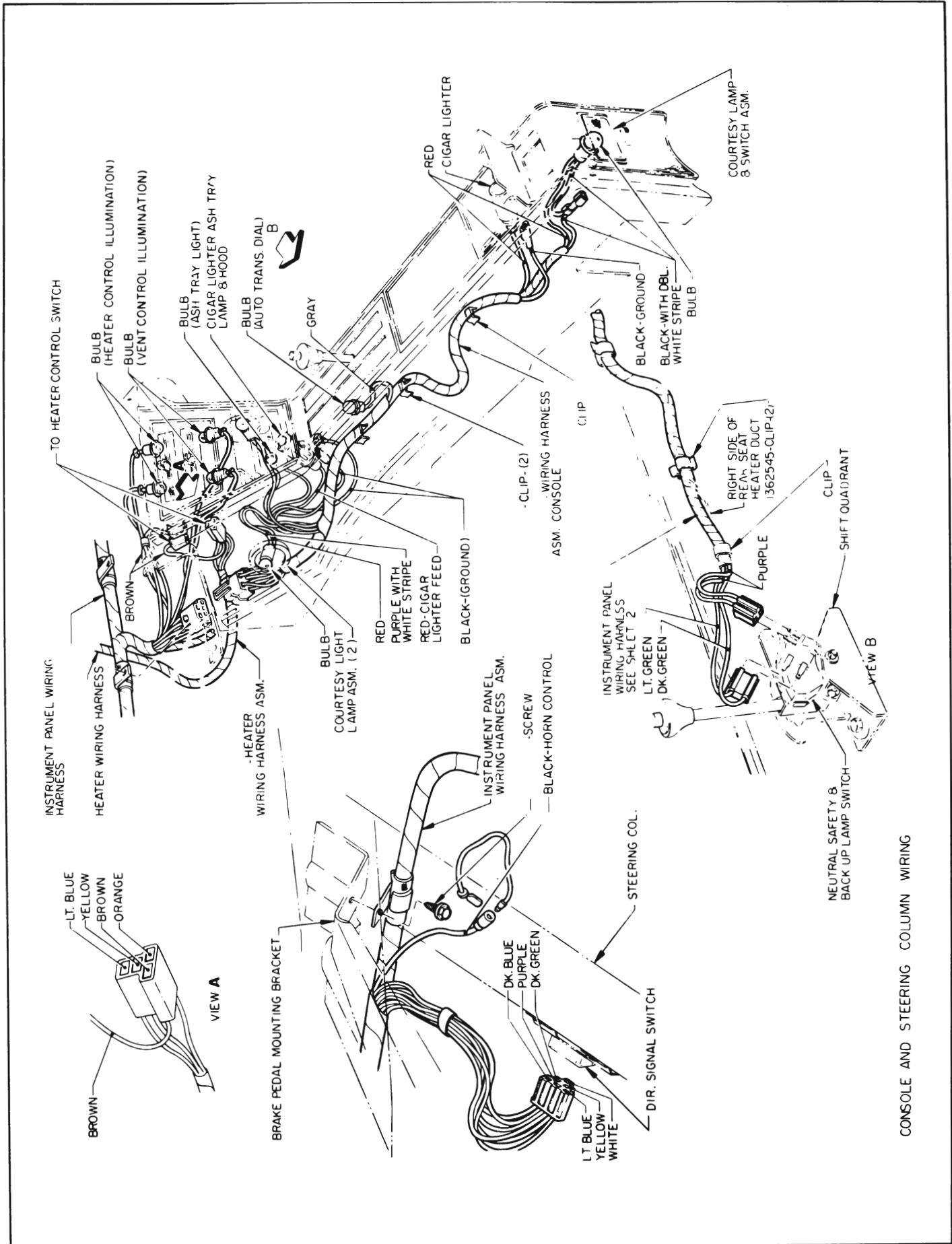


Figure 10-152—Console and Steering Column Wiring - Riviera

CONSOLE AND STEERING COLUMN WIRING

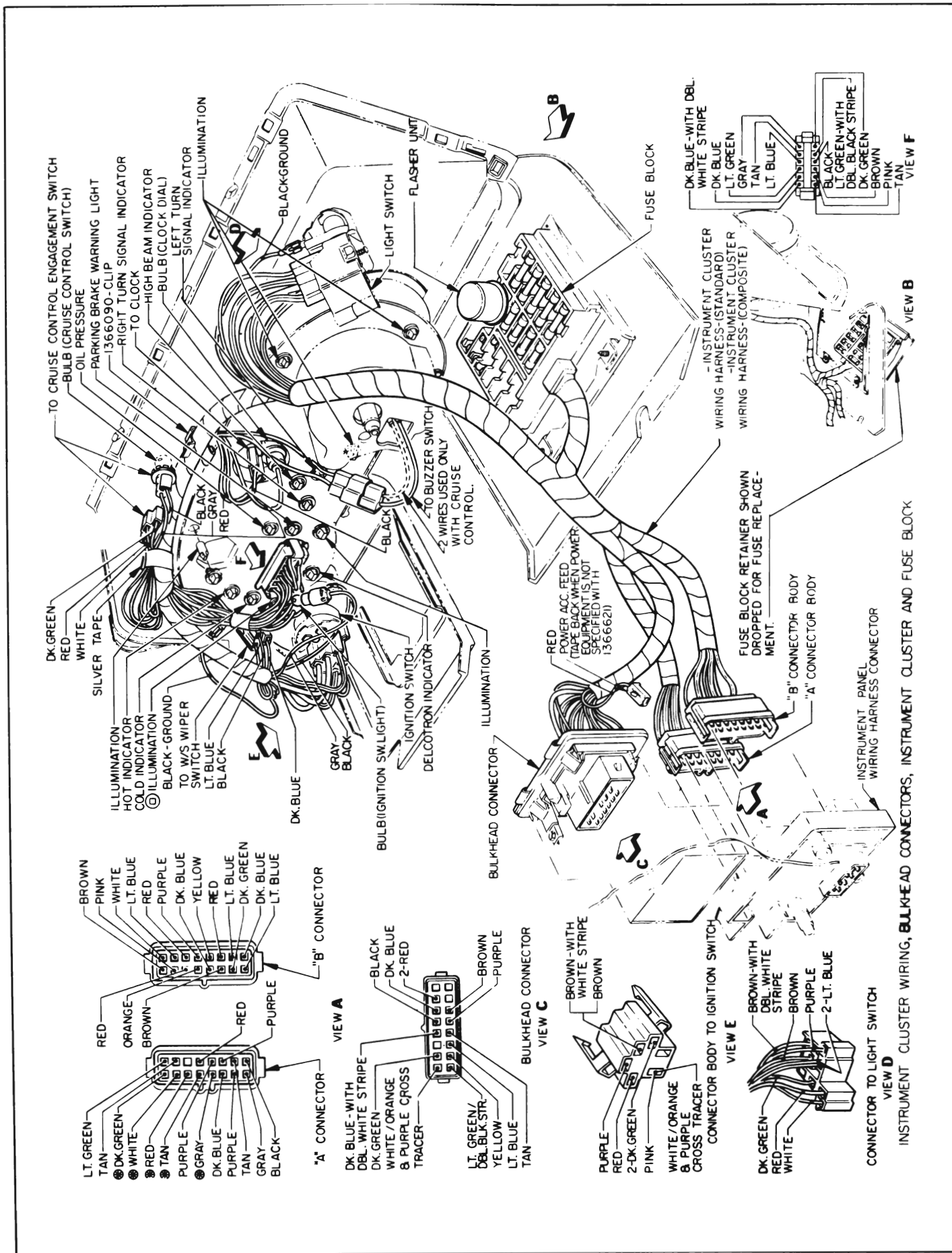


Figure 10-153—Instrument Cluster Wiring and Bulkhead Connectors - Riviera

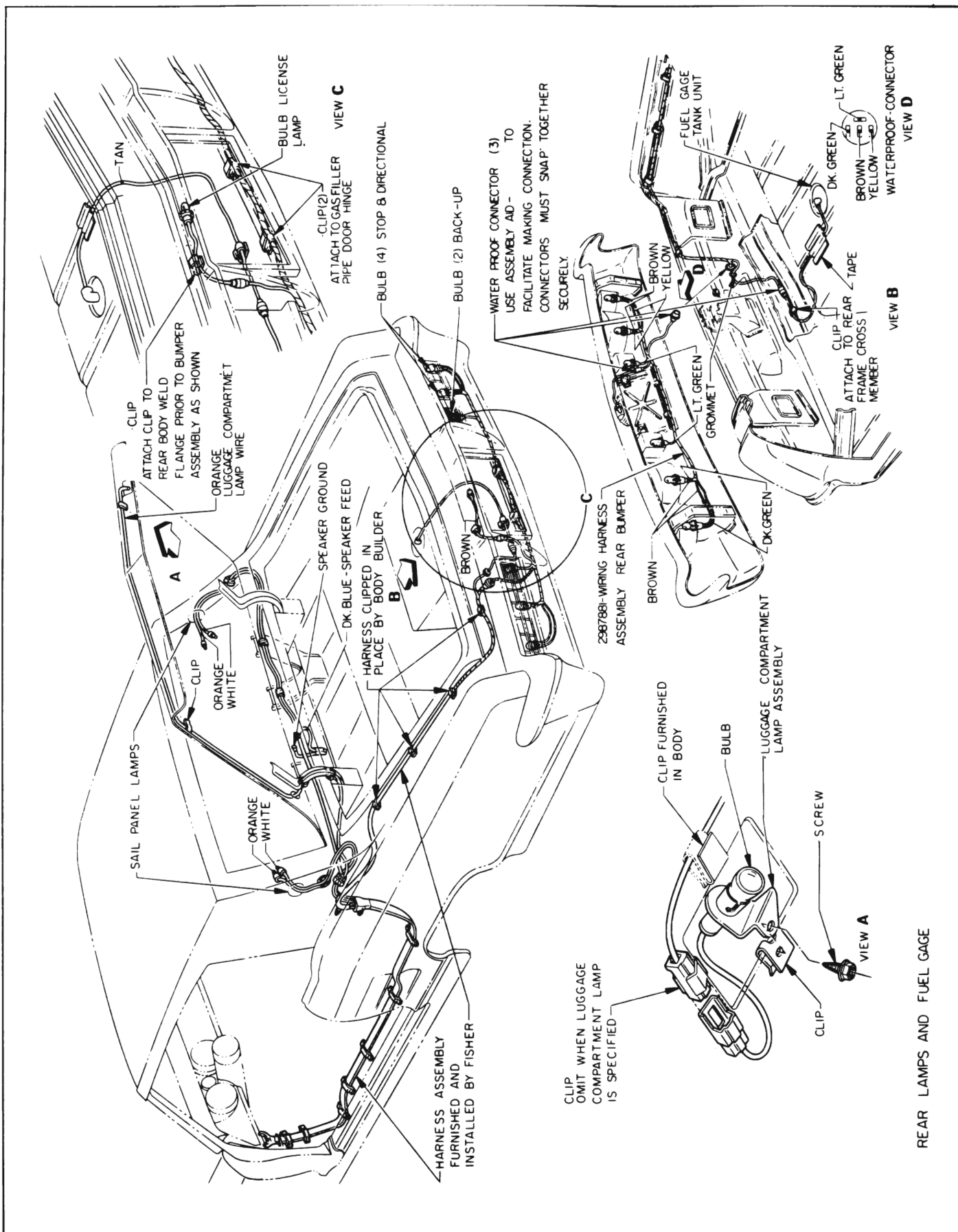


Figure 10-154—Rear Lamp and Fuel Gauge Wiring - Riviera

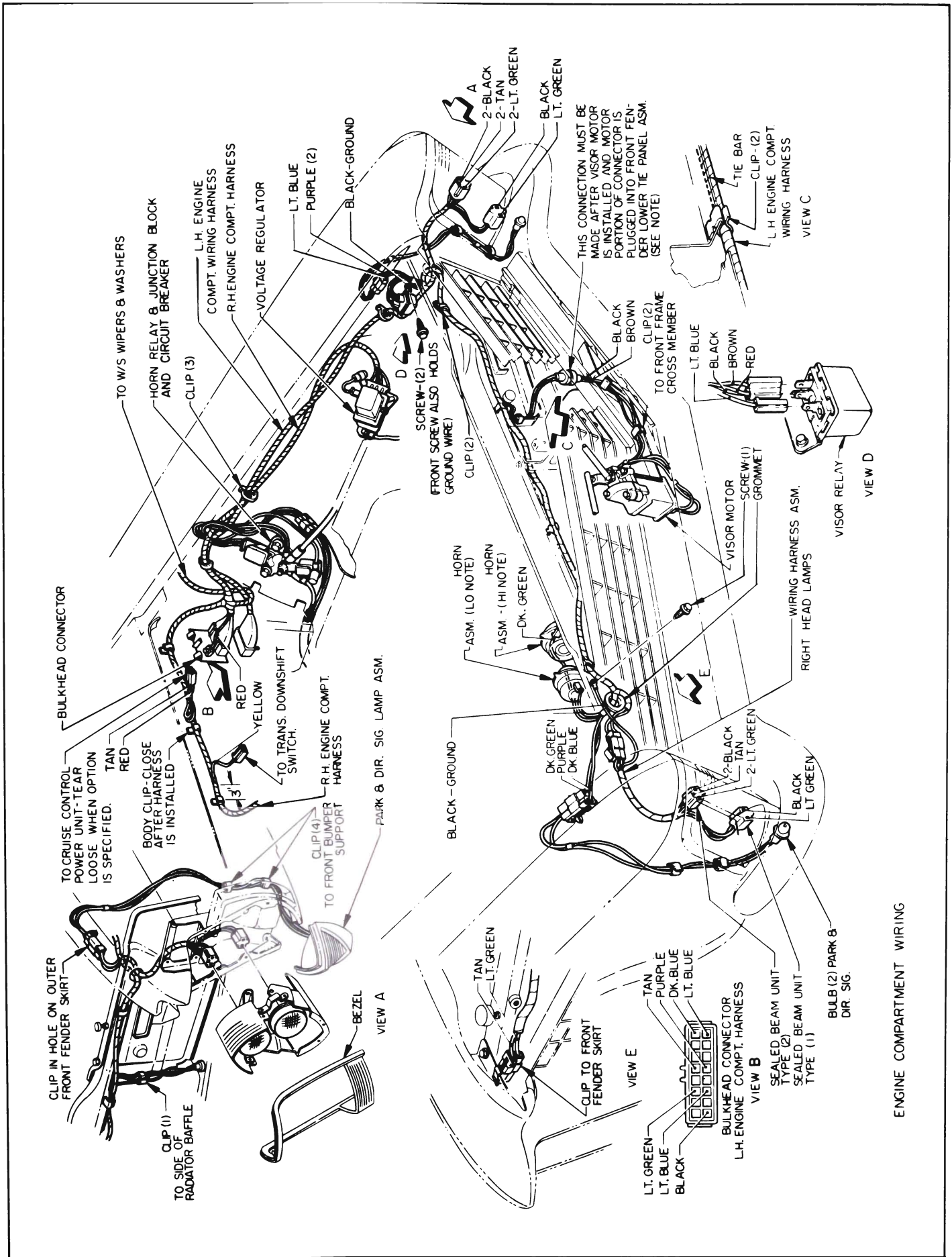
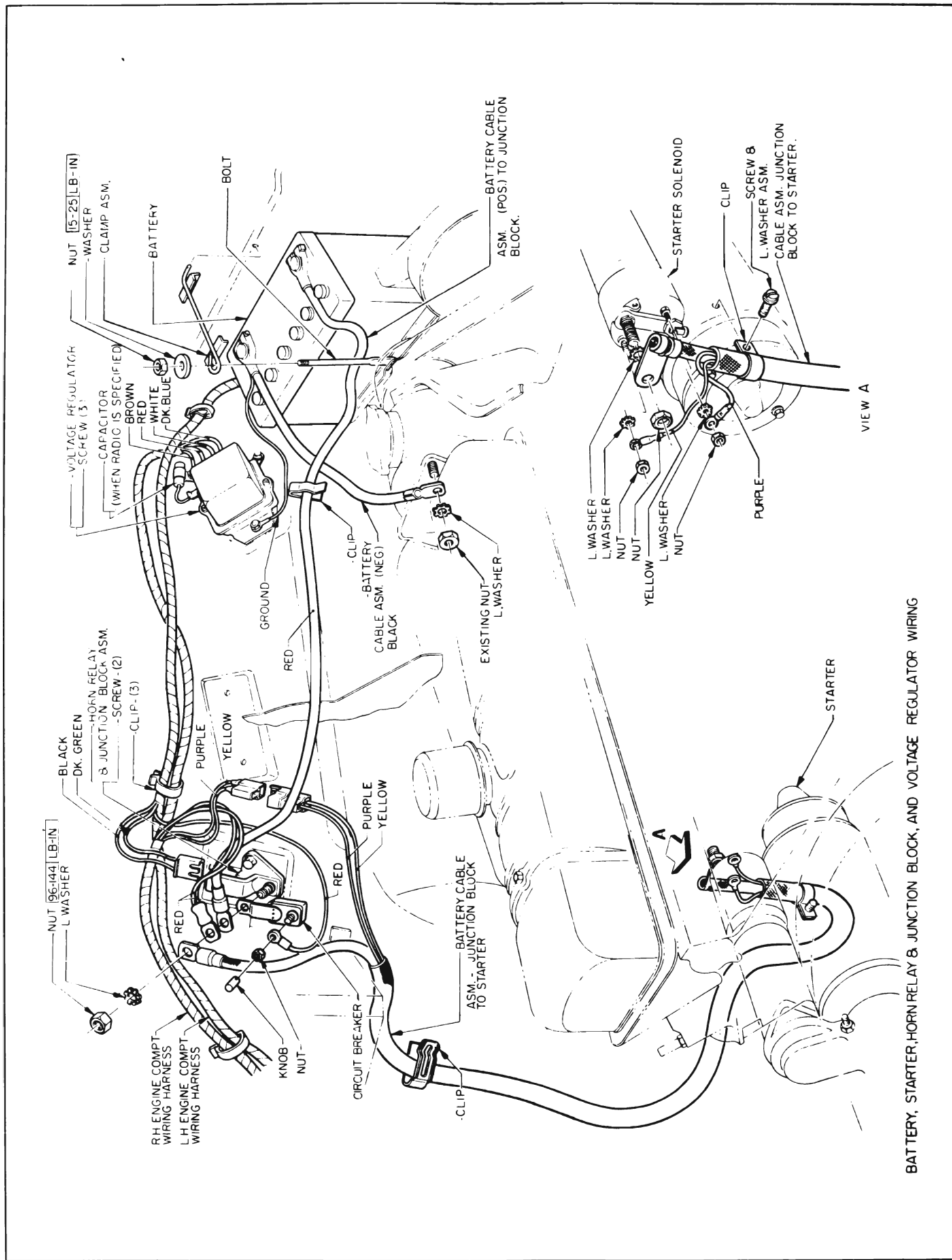


Figure 10-155—Engine Compartment Wiring - Riviera



BATTERY, STARTER, HORN RELAY & JUNCTION BLOCK, AND VOLTAGE REGULATOR WIRING

Figure 10-156—Starter, Battery, Voltage Regulator, Horn Relay and Junction Block - Riviera

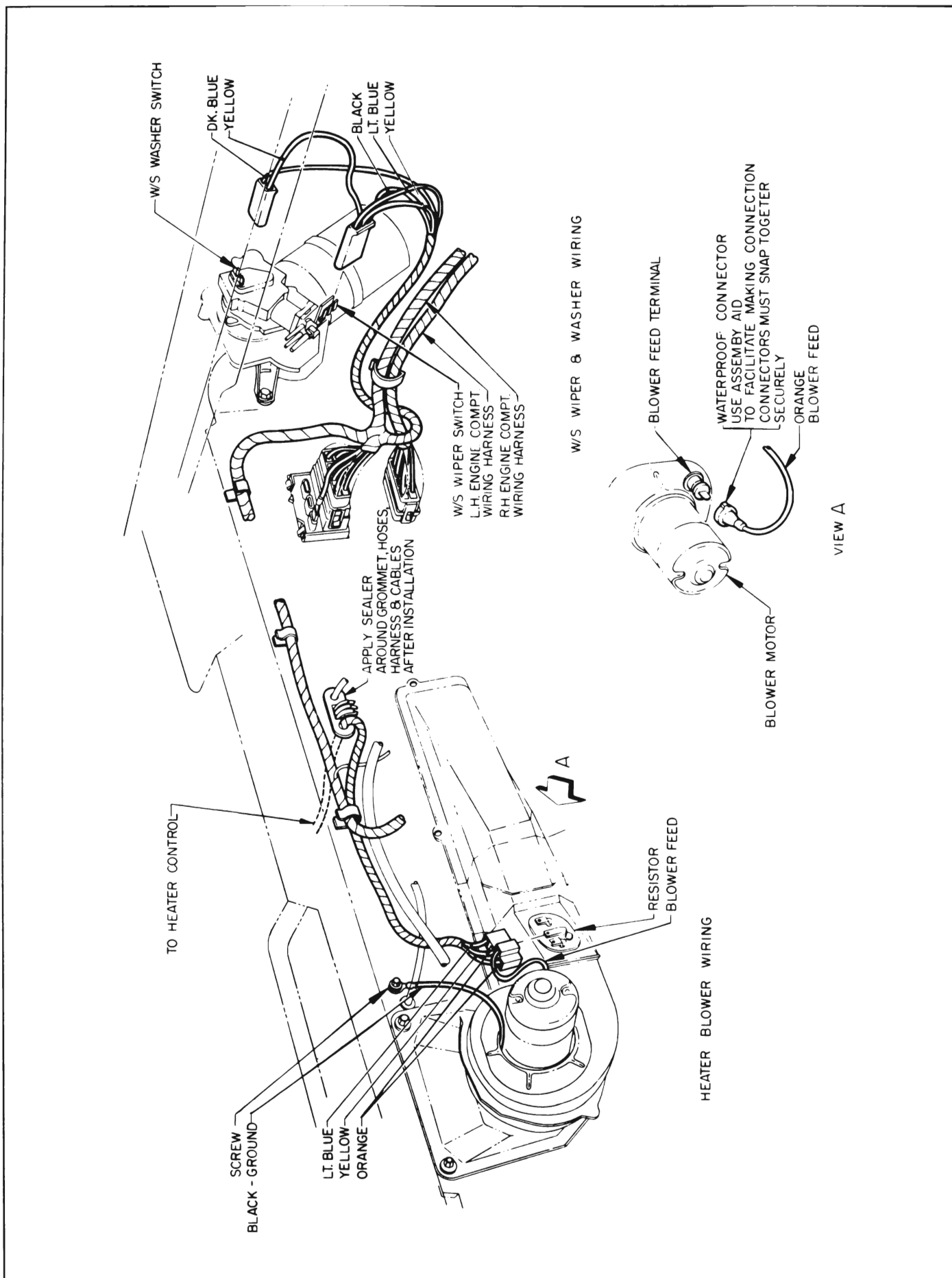


Figure 10-158—Heater, Windshield Wiper and Washer Wiring - Riviera

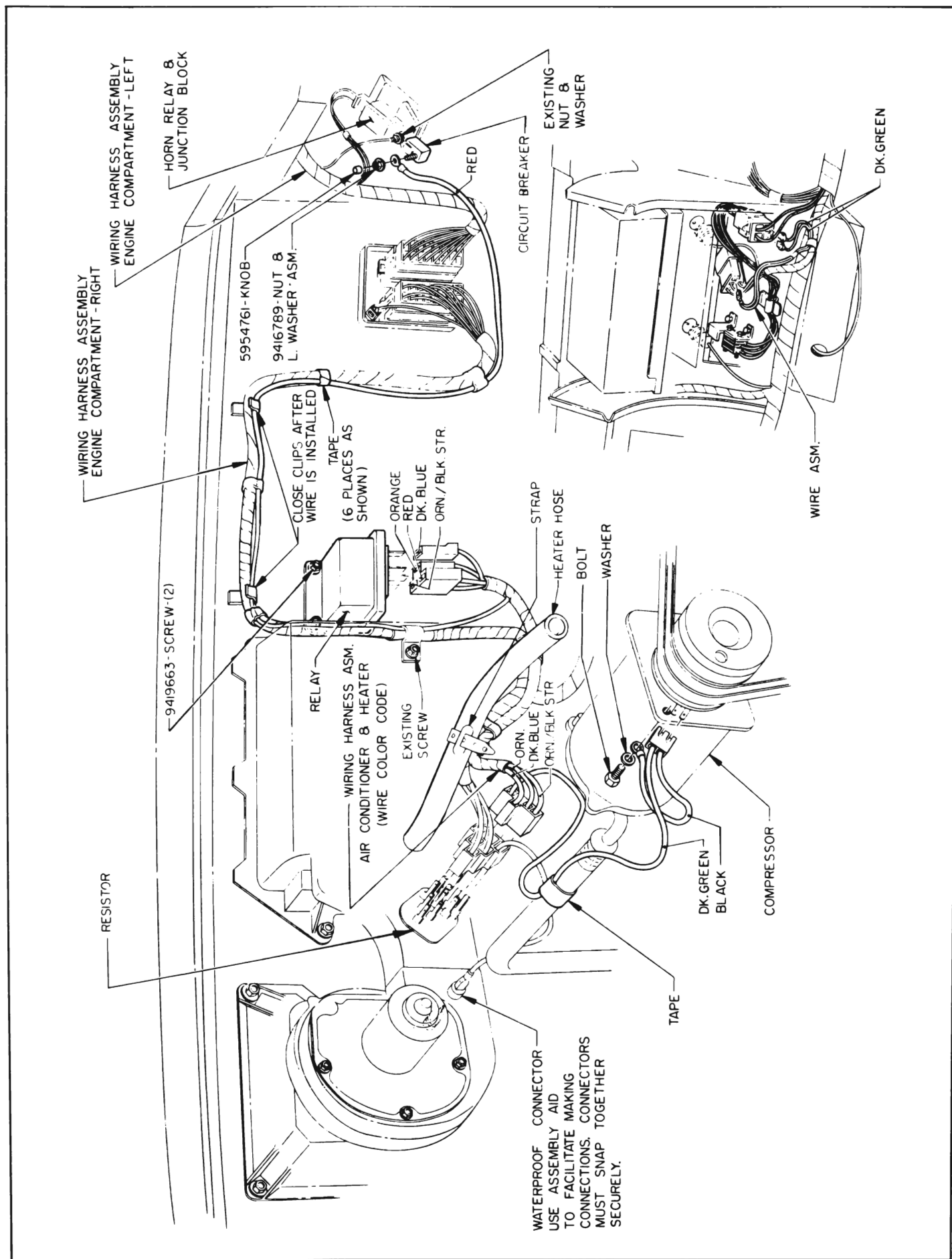


Figure 10-159—Air Conditioner Wiring

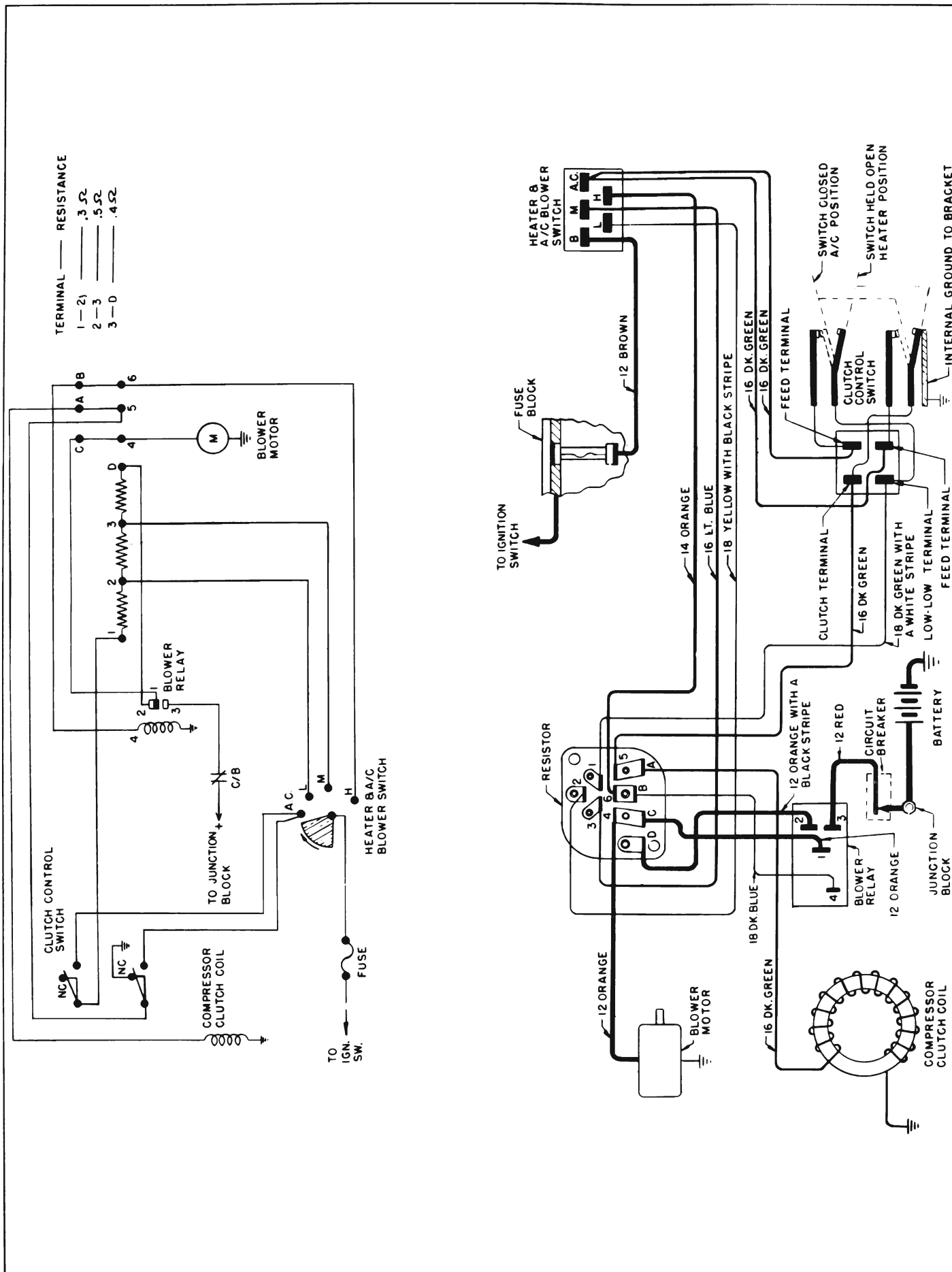


Figure 10-160—Air Conditioner Schematic Diagrams

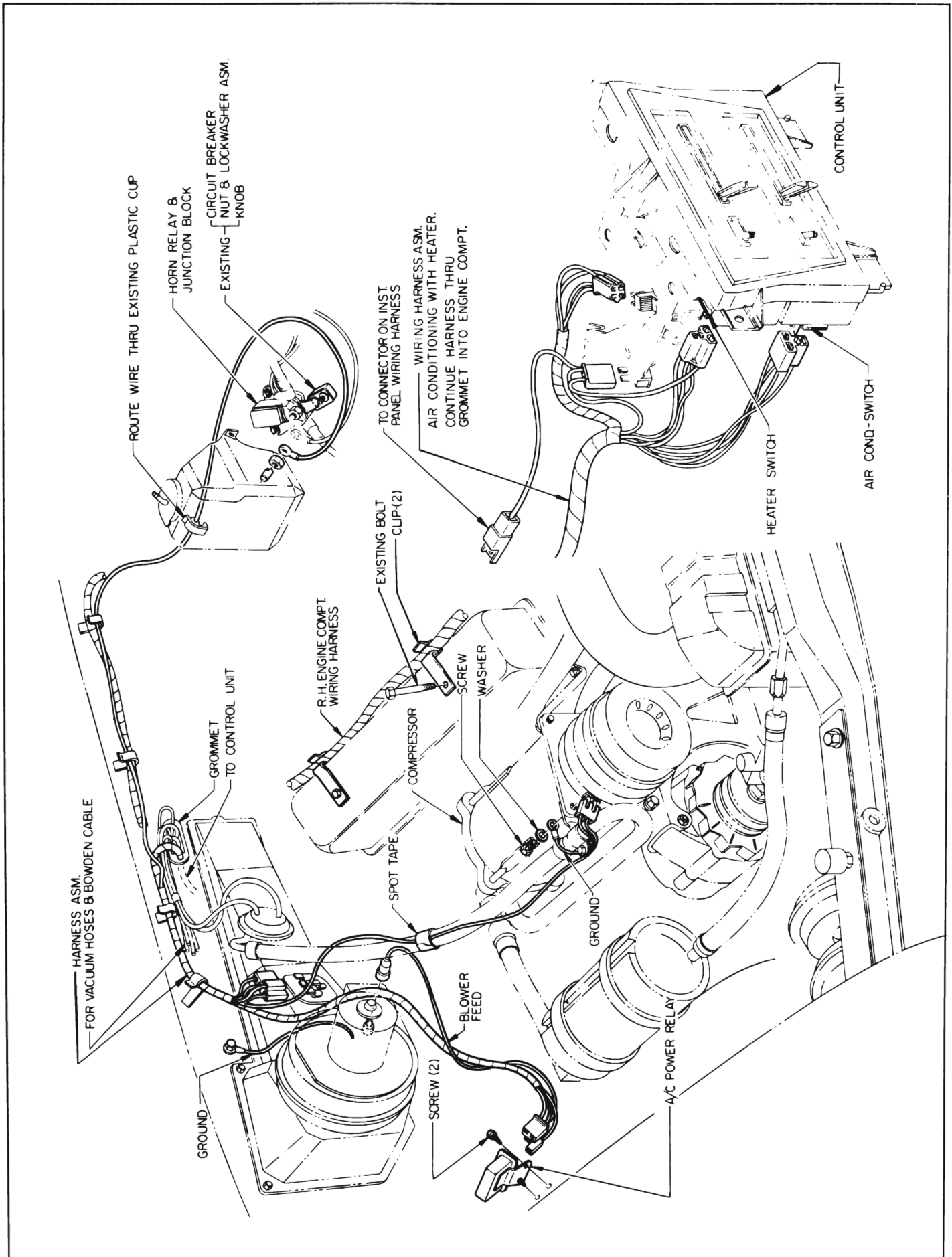


Figure 10-161—Air Conditioner Wiring - Riviera

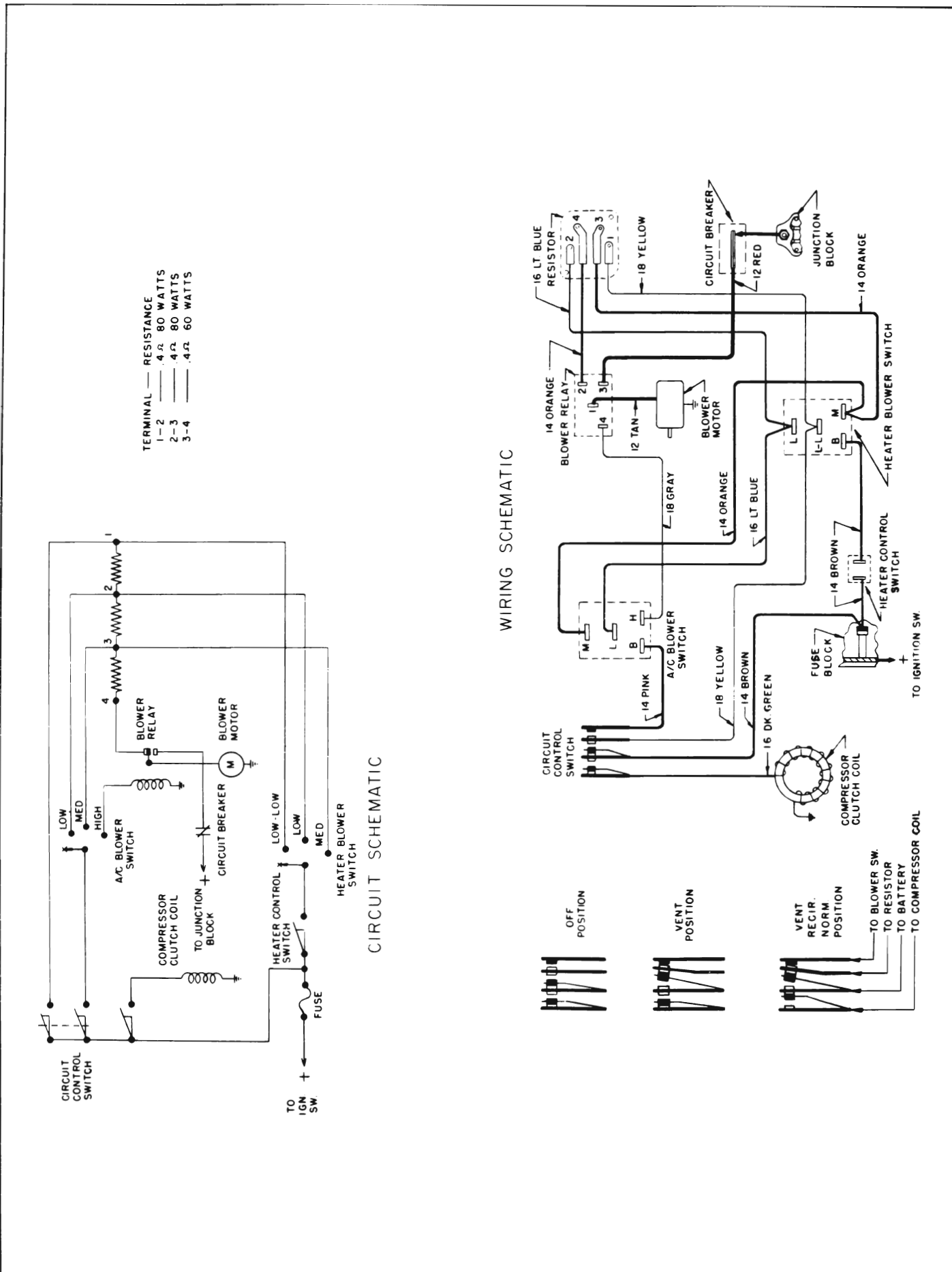


Figure 10-162—Air Conditioner Schematic Diagrams - Riviera

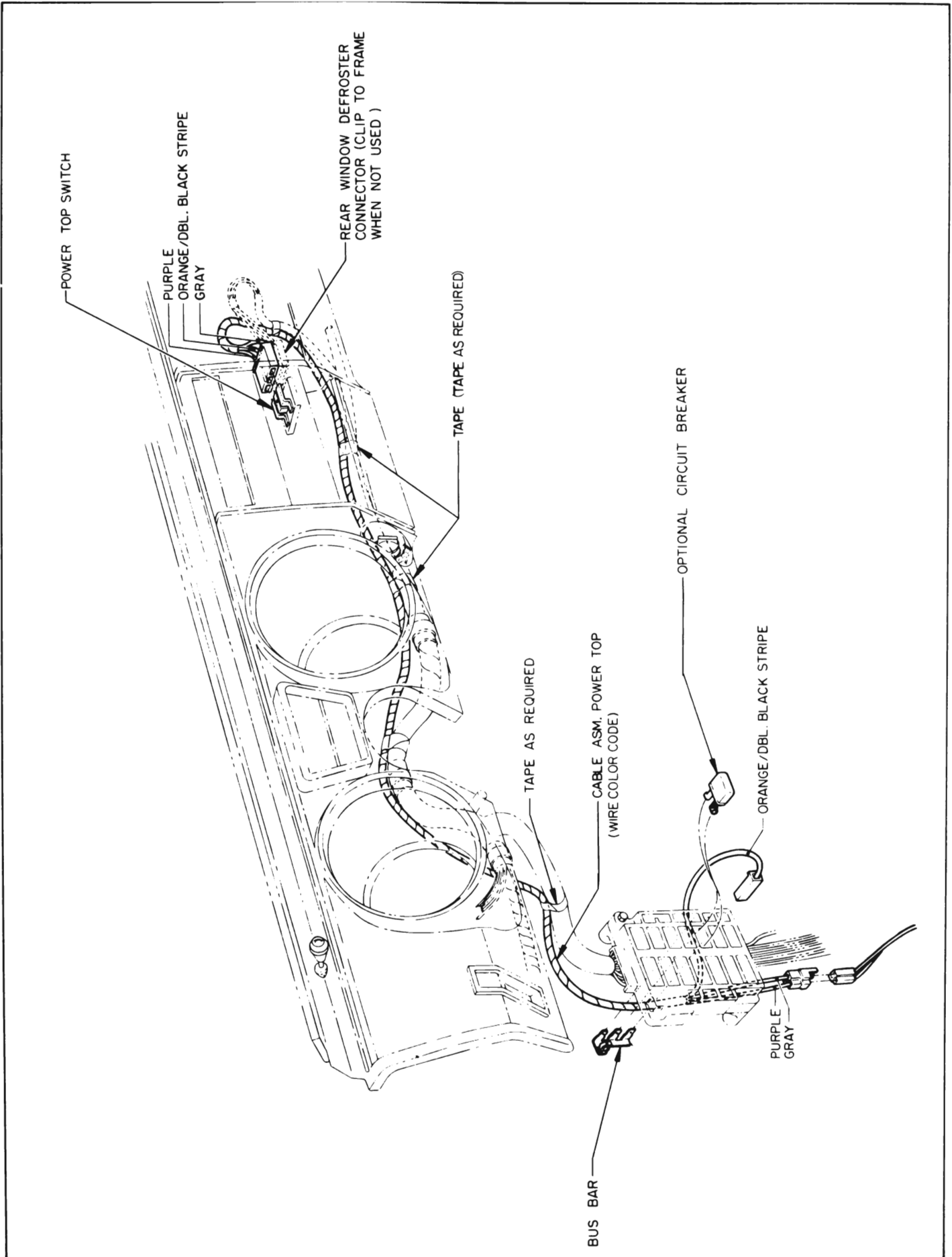


Figure 10-163—Power Top Wiring

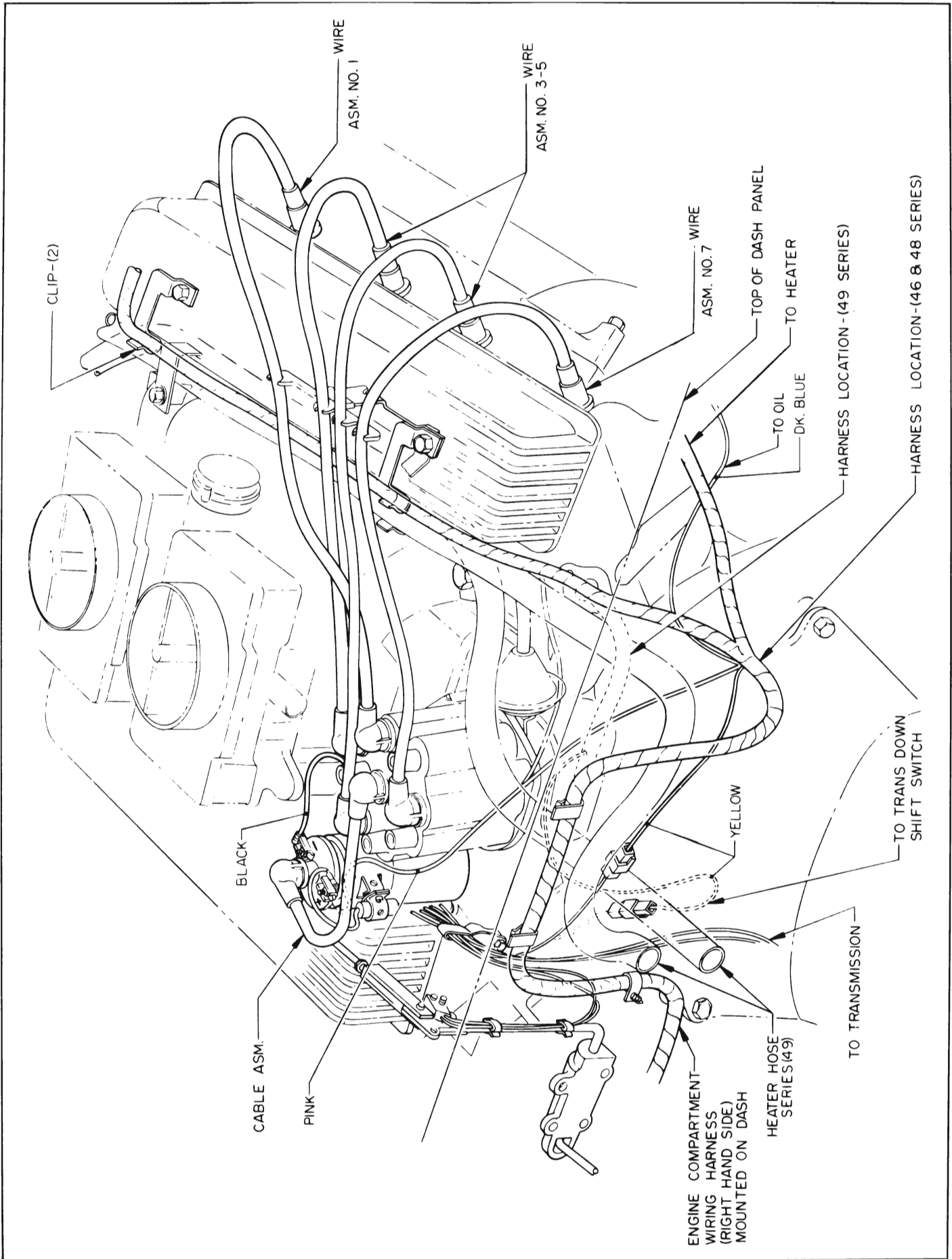


Figure 10-164—Dual 4-Barrel Engine Wiring

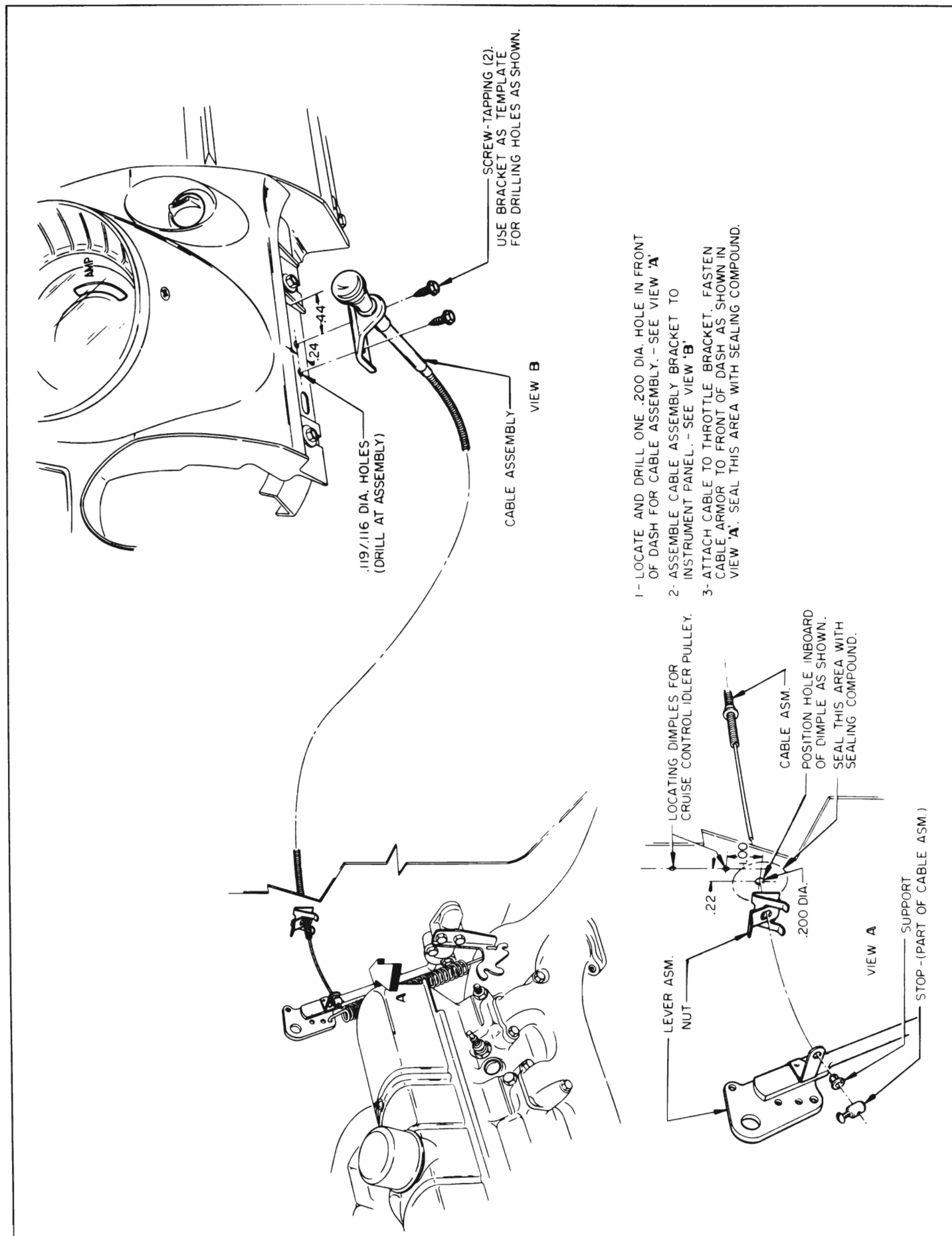


Figure 10-165—Hand Fast Idle Control Installation - Police Car

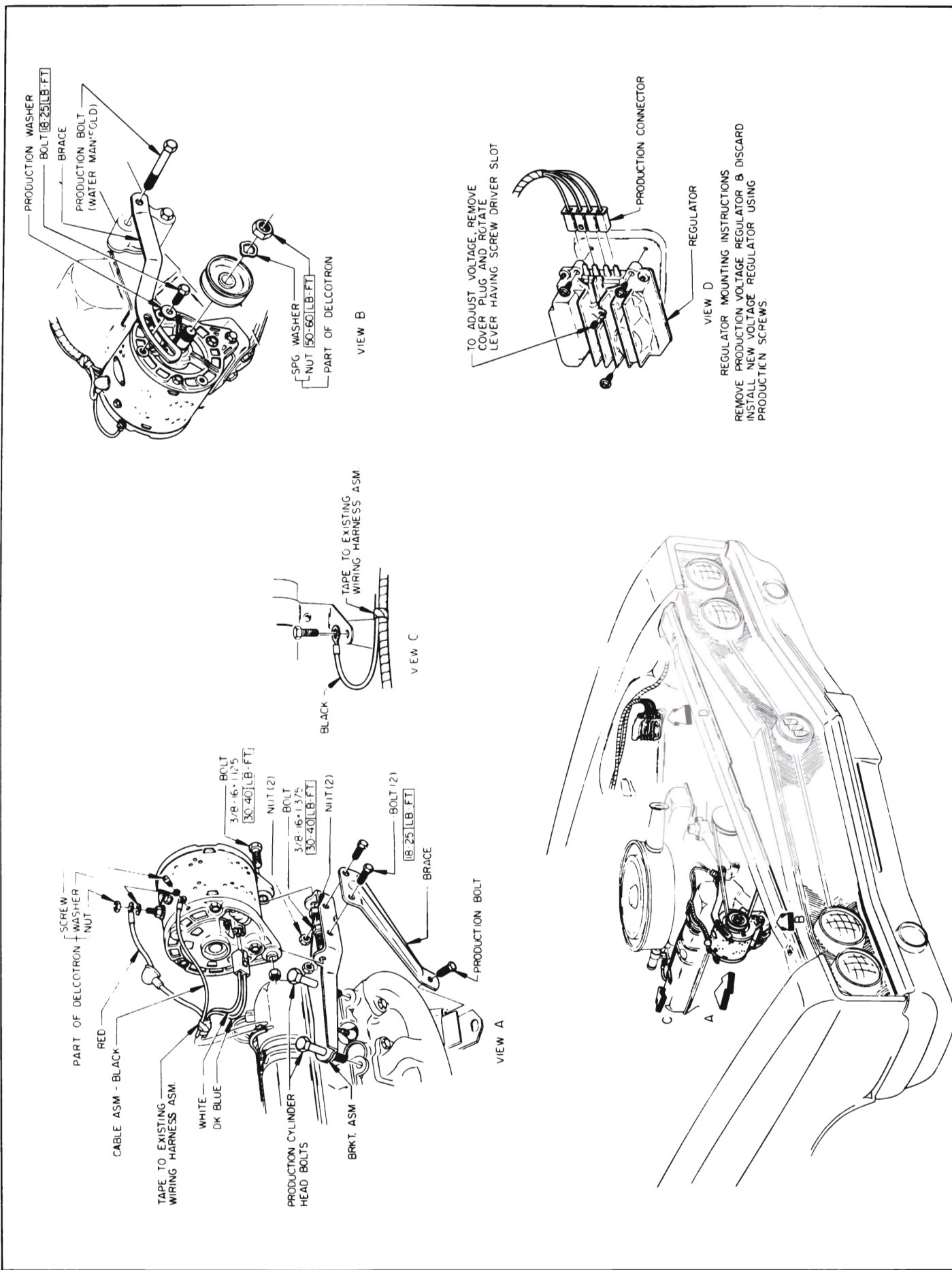


Figure 10-166—Police Generator Installation

WHERE USED	LAMP NO.	NO. USED	CANDLE POWER	MODEL
(FRONT)				
HEADLAMP-5-3/4 DIA TYPE-1	4001	2	37.5 W	ALL
HEADLAMP-5-3/4 DIA TYPE-2	4002-L	2	37.5-55W	ALL
HEADLAMP-5-3/4 DIA. TYPE-2 (EXPORT)	4002-L	2	37.5-55W	ALL
PARKING & DIR. SIGNAL LAMP	1157A	2	32 & 4	ALL
SPOT LAMP	4404	1	30 W	ALL
CORNERING LAMP	1195	2	50	45-46-48
(REAR)				
REAR TAIL, STOP & DIR. SIG. LAMP	1157	2	32 & 4	45 & 46
REAR TAIL, STOP & DIR. SIG. LAMP	1157	6	32 & 4	48
REAR TAIL, STOP & DIR. SIG. LAMP	1157	4	32 & 4	49
BACK UP LAMP	1156	2	32	ALL
LICENSE LAMP	97	1	4	ALL
LUGGAGE COMPARTMENT	631	1	6	ALL
(INSTRUMENT PANEL)				
INDIRECT INSTRUMENT LAMP	194	7	2	45-46-48
INDIRECT INSTRUMENT LAMP	161	6	1	49
(INDICATORS)				
HEADLAMP HI BEAM	194	1	2	ALL
DIR. SIGNAL	194	2	2	ALL
OIL PRESSURE	194	1	2	ALL
WATER TEMP. (COLD)	194	1	2	46-48-49
WATER TEMP. (HOT)	194	1	2	ALL
GEN. CHARGE	194	1	2	ALL
PARKING BRAKE WARNING	194	1	2	ALL
(SERVICE ILLUMINATION)				
GLOVE COMPARTMENT	1893	1	2	49
LIGHT (COURTESY)	632	1	6	ALL
AUTOMATIC TRANSMISSION DIAL	1816	1	3	46 & 49
CLOCK DIAL	1816	1	3	49
RADIO DIAL	1892	1	1	ALL
IGNITION SWITCH LIGHT	53	1	1	ALL
ASH TRAY ASSEMBLY	1445	1	.5	45-46-48
ASH TRAY ASSEMBLY	53	1	1	49
CRUISE CONTROL SWITCH	53	1	1	49
CRUISE CONTROL SWITCH	194	1	2	45-46-48
HEATER & OR A/C CONTROL	1893	2	2	49
VENT CONTROL	1893	2	2	49
HEATER & OR A/C CONTROL	1893	2	2	45-46-48
TACHOMETER	53	1	1	46
(INTERIOR ILLUMINATION)				
DOME - ROOF CENTER	94	1	15	ALL (EXCEPT CONVERT.)
DOME - ROOF SIDE RAIL	632	2	6	48
DOME - REAR ARM REST (CONVERTIBLE)	632	2	6	45-46-48
COURTESY LIGHT - SAIL PANEL	632	2	6	46 & 49
CENTER CONSOLE - REAR	632	1	6	46
COURTESY LIGHT - FRONT CONSOLE	632	2	6	49
COURTESY LIGHT - REAR CONSOLE	68	1	4	49
FLASHER } OPT.		1		45 & 46
FLASHER } OPT.		1		45 & 46
FLASHER } OPT.		1		48 & 49
FLASHER } OPT.		1		48 & 49

Figure 10-167—Light Bulb Chart - All Series

WHERE USED	AMPERES	TYPE	LENGTH
RADIO	7.5	AGC	1-1/4
DIR. SIGNAL AND STOP LAMPS	10	AGC	1-1/4
BACK-UP LAMPS	10	AGC	1-1/4
TAIL LAMPS-LICENSE LAMP, CORNERING LAMP (SPOT LAMP)	10	AGC	1-1/4
BLOWER MOTOR (HEATER AND/OR AIR CONDITIONING)	30	AGC	1-1/4
DOMELAMP	20	SFE	1-1/4
INSTRUMENT LAMPS	3	AGC	1-1/4
WIPER & TRANS SHIFT SW. FEED	25	AGC	1-1/4
GLOVE BOX, COURTESY LAMPS & CLOCK	7.5	AGC	1-1/4
POWER ANTENNA MOTOR	10	AGC	1-1/4
REAR WINDOW DEFROSTER	7.5	AGC	1-1/4
GUIDE-MATIC AMPLIFIER	7.5	AGC	1-1/4
PARKING BRAKE WARNING LAMP, CLUSTER AND SPEED SAFETY BUZZER OR ELECTRO CRUISE CONTROL	7.5	AGC	1-1/4

Figure 10-168—Fuse Chart

WHERE USED	AMPERES	TYPE	LENGTH
RADIO	7.5	AGC	1-1/4
DIR. SIGNAL AND STOP LAMPS	10	AGC	1-1/4
BACK-UP LAMPS	9	SFE	7/8
TAIL LAMPS-LICENSE LAMP, (SPOT LAMP)	10	AGC	1-1/4
BLOWER MOTOR(HEATER AND/OR AIR CONDITIONING)	30	AGC	1-1/4
DOMELAMP	20	SFE	1-1/4
INSTRUMENT LAMPS	3	AGC	1-1/4
WIPER & TRANS. SHIFT SW. FEED	25	AGC	1-1/4
GLOVE BOX,COURTESY LAMPS & CLOCK	5	AGC	1-1/4
POWER ANTENNA MOTOR	9	SFE	7/8
REAR WINDOW DEFROSTER	6	AGW	7/8
GUIDE-MATIC AMPLIFIER	5	AGC	1-1/4
PARKING BRAKE WARNING LAMP, CLUSTER AND SPEED SAFETY BUZZER OR ELECTRO CRUISE CONTROL	6	AGW	7/8

Figure 10-169—Fuse Chart - Riviera

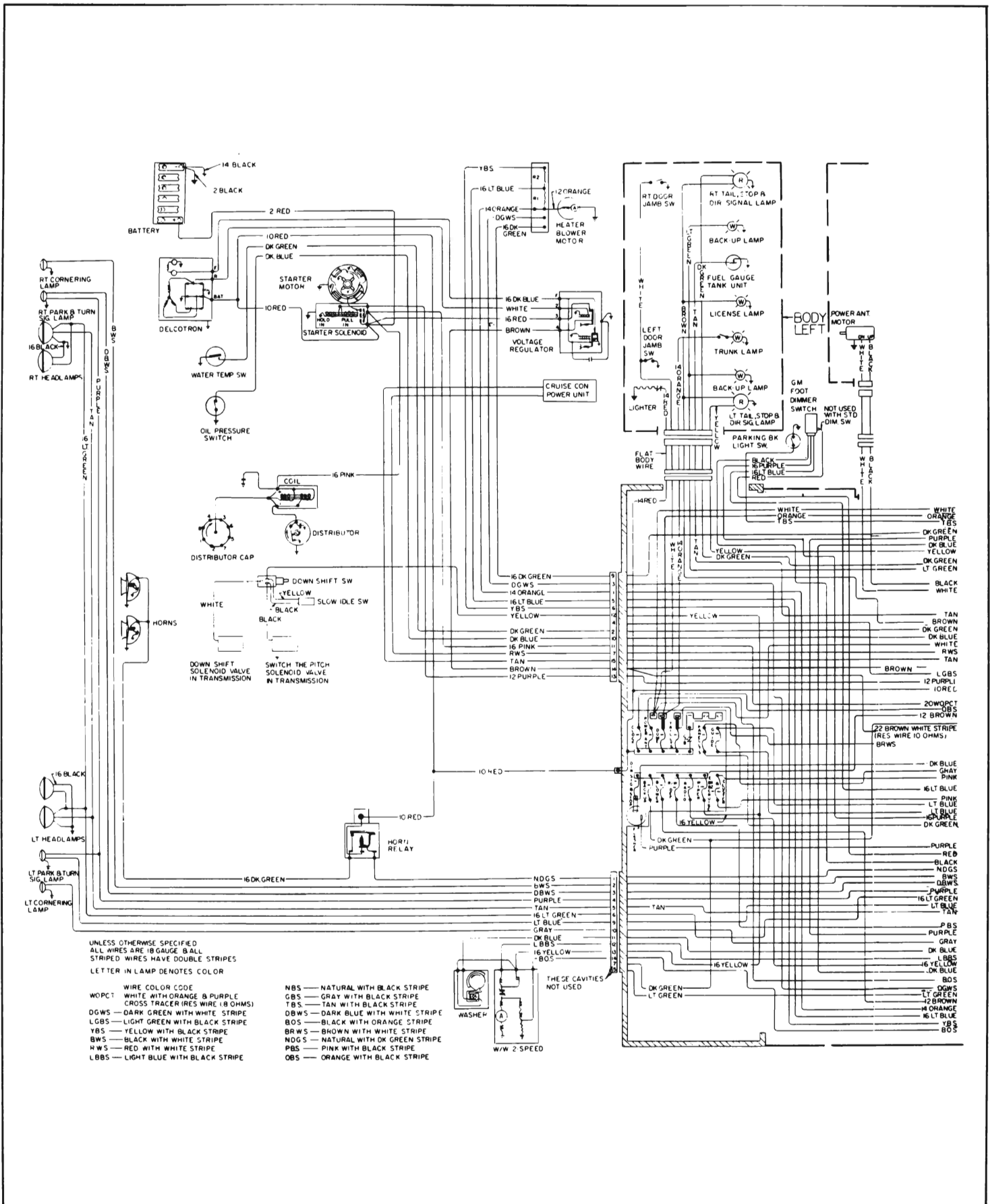


Figure 10-170—Wiring Diagram - Front Half 45 Series

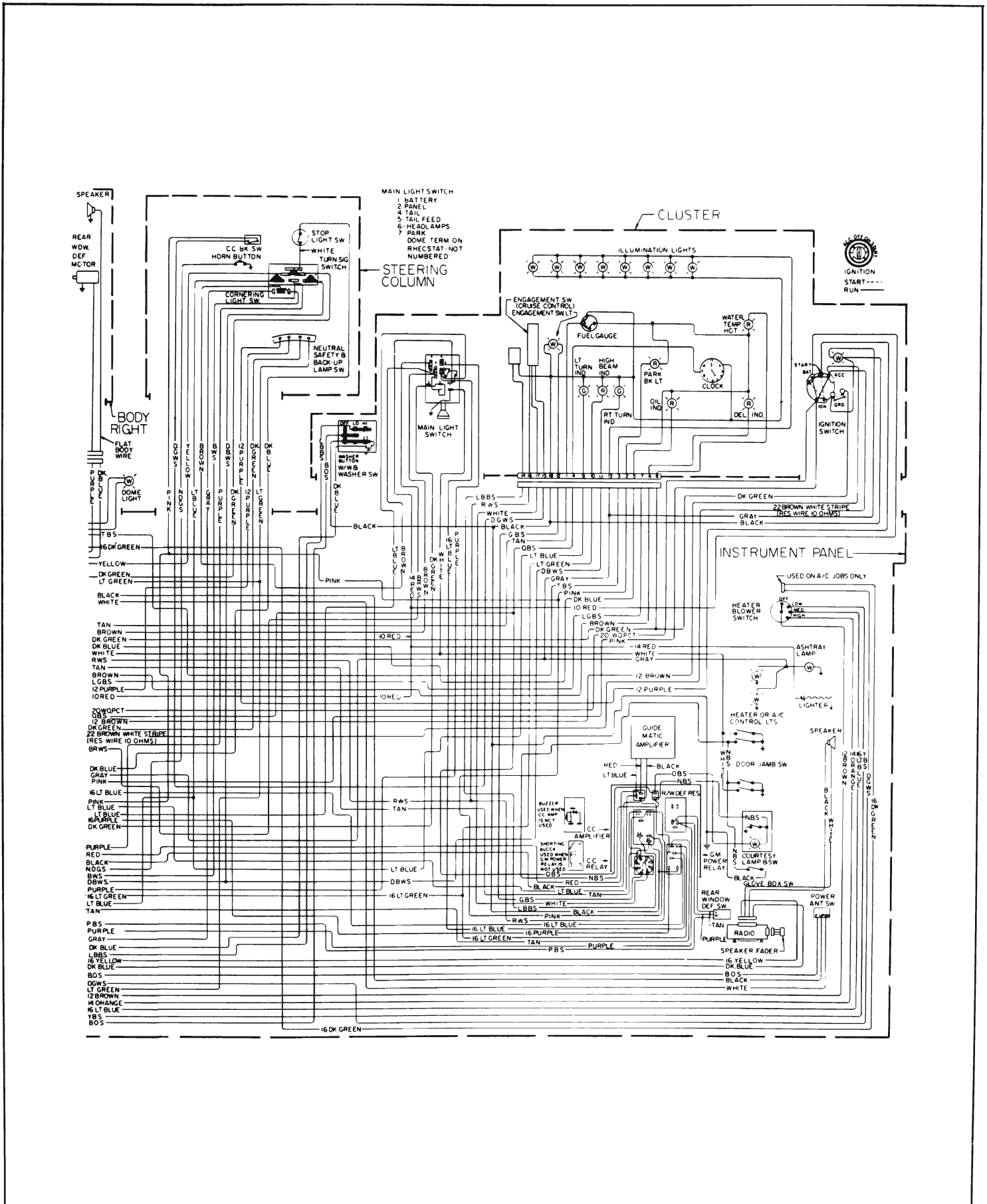


Figure 10-171—Wiring Diagram - Rear Half 45 Series

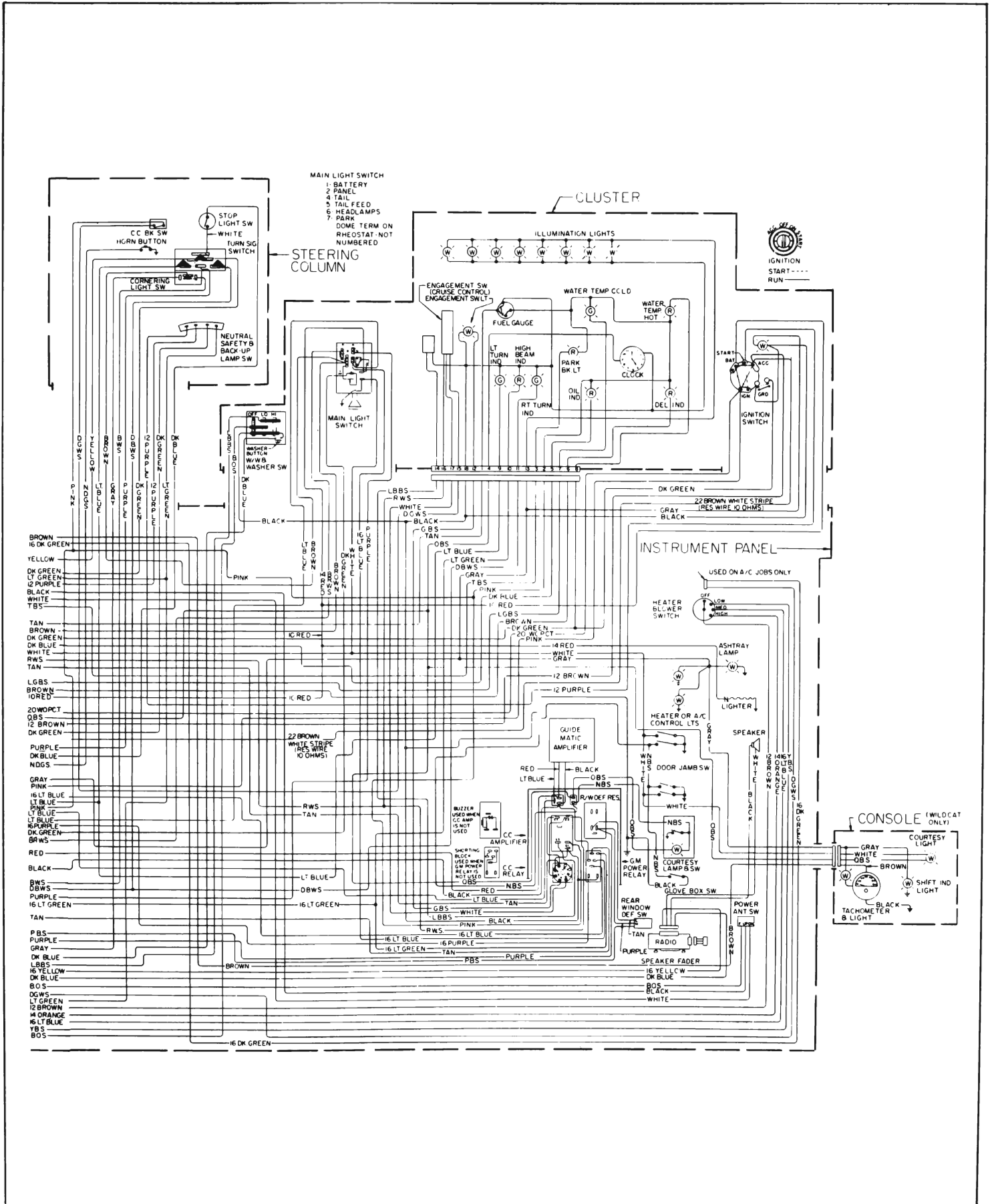


Figure 10-173—Wiring Diagram - Rear Half 46-48 Series

