ELECTRICAL WIRING DIAGRAMS

INDEX

GENERAL INFORMATION

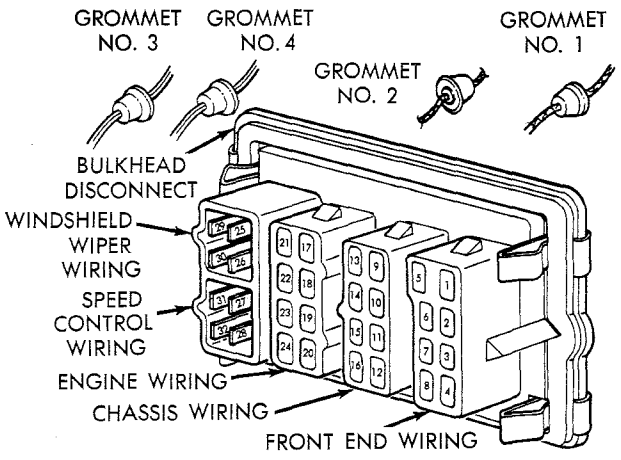
FUSIBLE LINK REPLACEMENT

CAUTION: Do not replace blown fusible links with standard wire. Only fusible type wire with hypalon insulation can be used or damage to the electrical system will occur. Also make sure correct gauge of wiring is used. Refer to Master Wiring Diagrams for proper gauge size. Service Parts replacement fusible links are available.

(1) When a fusible link blows it is very important to find out why it blew. They are placed in vehicles electrical system for protection against dead shorts to ground which can be caused by electrical component failure or various wiring failures. **Do not just replace fusible link to correct problem.**

(2) When replacing fusible links that are connected to the battery terminal of starter relay, they are to be serviced with the same type of prefabricated fusible link, available through the Parts Division.

CAVITY NUMBER	WIRE COLOR	DESCRIPTION	EXTRA EQUIPMENT	
1	DG/WH	HORN		FRONT END WIRING
2	YE	LEFT TURN SIGNAL (FRONT)		
3	LG	RIGHT TURN SIGNAL (FRONT)		
4	LB	HAZARD WARNING FLASHER FEED		
5	RE	AMMETER		
6	TN	WINDSHIELD WASHER MOTOR		
7	RE/WH	HEADLAMP (HIGH BEAM)		
8	BK	HEADLAMP (LOW BEAM)		
9	LB/BK	FUEL TANK		CHASSIS WIRING
10	LG	EGR WARNING LAMP	EX. EQ.	
11	YE/BK	LEFT TURN SIGNAL (REAR)		
12	DG	RIGHT TURN SIGNAL (REAR)		
13	BN	TAIL, PARK, AND SIDE MARKER LAMPS		
14	LG/BK	BACK-UP LAMP AND HORN FEED		
15	DB/WH	BRAKE SENTINEL		
16	LG	TRANSFER CASE LOCK-OUT LIGHT		
17	OR/BK	TEMPERATURE		ENGINE WIRING
18	WH	OIL PRESSURE		
19	BK/LG	AIR CONDITIONING	EX. EQ.	
20				
21	BK	ELECTRIC TACHOMETER	EX. EQ.	
22	RE	IGNITION FEED		
23	BK	ALTERNATOR BATTERY TERMINAL		
24	PK	IGNITION START		
25	PU	WINDSHIELD WIPER MOTOR		
26	BN/YE	WINDSHIELD WIPER MOTOR		
27	DB	SPEED CONTROL	EX. EQ.	
28	WH	SPEED CONTROL	EX. EQ.	
29	GR	WINDSHIELD WIPER MOTOR		
30	BL	WINDSHIELD WIPER MOTOR		



CAVITY NUMBER	WIRE COLOR	DESCRIPTION	EXTRA EQUIPMENT
31	YE	SPEED CONTROL	EX. EQ.
32	OPEN		
GROMMET			
NO. 1	RE/WH BK/WH	SNO-FITER LIGHTS	EX. EQ.
GROMMET			
NO. 2	BK DB	AUXILIARY FUEL TANK-REAR	EX. EQ.
GROMMET			
NO. 3	BK RE	117 AMP ALTERNATOR CHARGING CIRCUIT	EX. EQ.
GROMMET			
NO. 4		FUEL CONTROL MOTOR (DIESEL)	EX. EQ.

PC882

Bulkhead Disconnect

MAIN CIRCUIT IDENTIFICATION CODES

A1..... Battery Circuit to Ammeter.
A2..... Battery Circuit to Ammeter.
B..... Back Up Lamp Circuit.
C..... Air Conditioning and Heater Circuits
D..... Emergency, Stop Lamp and Turn Signal Circuits.
E..... Instrument Panel Cluster, Switches and Illumination Circuits.
F..... Radio Speakers and Power Seat Circuits.
G..... Gauges and Warning Lamp Circuits.
H..... Horn Circuit.
J..... Ignition System Run Circuit.
J1..... Ignition Switch Feed Circuit.
J3..... Ignition Switch Start Circuit.
K..... Trailer Tow.
L..... Lighting Circuit (Exterior Lights).
M..... Lighting Circuit (Interior Lights).
P..... Brake Checking Circuit.
Q2..... Accessory Buss Bar Feed (Fuse Block).
Q3..... Battery Buss Bar Feed (Feed).
R3..... Alternator Circuit to Electronic Voltage Regulator (Field).
R6..... Alternator Circuit to Ammeter (Feed).
S..... Starter Motor and Starter Relay Circuit.
T..... Trunk Lamp Circuit.
V..... Windshield Wiper and Washer Circuit.
W..... Power Window Circuit.
X..... Radio, Cigar Lighter, Lamp Grounds, Clock, Speed Control, Power Antenna, Deck Lid and Door Locks.

All other fusible links are replaced with a piece of fusible link wire cut from bulk reels supplied through the Parts Division. Care must be taken that the same gauge wire as the original fusible link be used.

Multiple Fusible Link Connection

(1) Cut off any remaining portion of blown fusible link flush with multiple connection insulator, taking care not to cut into other fusible links.

(2) Remove 1 inch of insulation from main harness wire about 1 inch from multiple connection insulator.

(3) Remove 1 inch of insulation from one end of new fusible link and wrap it around main harness wire that was stripped.

(4) Heat splice with a high temperature soldering gun, apply rosin type solder until it flows freely, and remove soldering gun. **Do not use acid core solder.**

(5) Allow to cool and wrap new splice with a minimum of 3 layers of suitable electrical tape.

Single Fusible Link Connection

(1) Cut fusible link including connection insulator from main harness wire.

(2) Remove 1 inch of insulation from both new fusible link and main harness wire and wrap together.

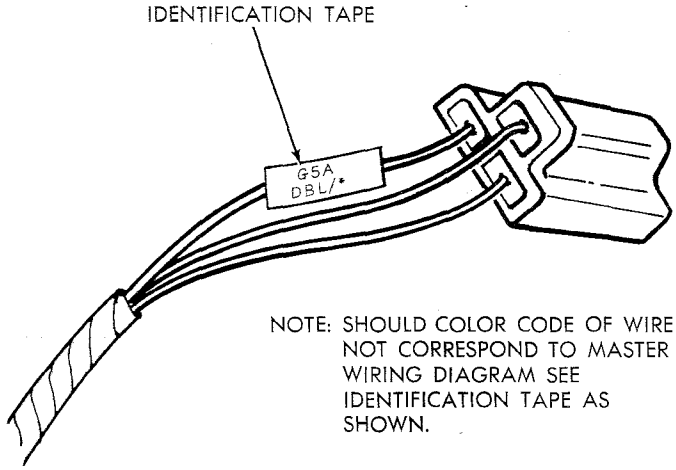
(3) Heat splice with a high temperature soldering gun, apply rosin type solder until it flows freely and remove soldering gun. **Do not use acid core solder.**

(4) Allow to cool and wrap new splice with a minimum of 3 layers of suitable electrical tape.

COLOR CODE			
BK	BLACK	OR	ORANGE
BN	BROWN	PK	PINK
DB	DARK BLUE	RE	RED
LB	LIGHT BLUE	TN	TAN
BL	BLUE	PU	PURPLE
DG	DARK GREEN	GR	GRAY
LG	LIGHT GREEN	WH	WHITE
GN	GREEN	YE	YELLOW
WIRES WITH TRACERS TYPICAL EXAMPLES			
BK/WH	BLACK WIRE WITH WHITE TRACER	YE/BK	YELLOW WIRE WITH BLACK TRACER

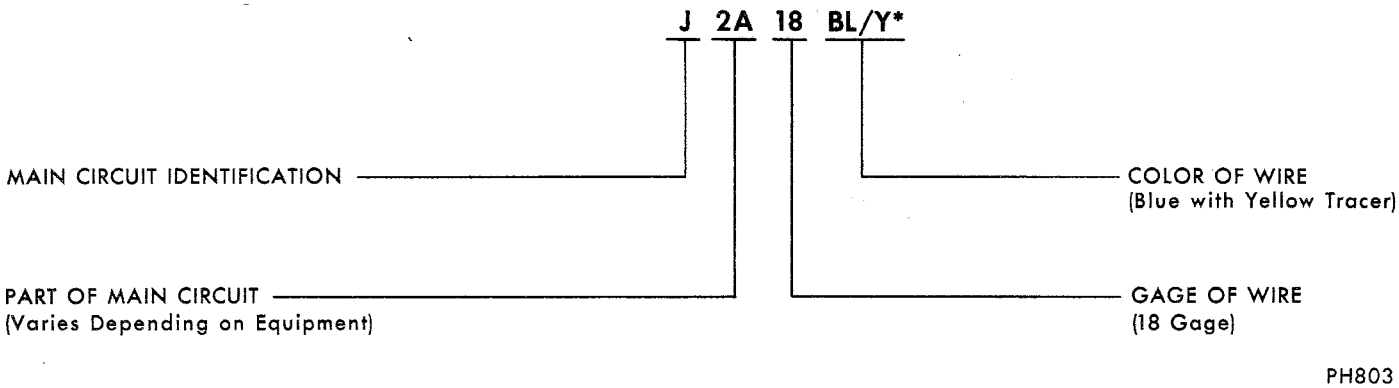
PK 647

Color Code Legend



IDENTIFICATION OF SUBSTITUTE WIRING CIRCUITS PN420A

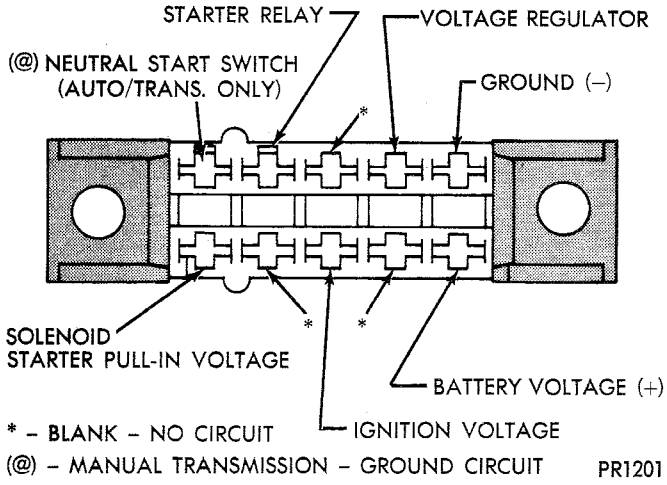
Identification of Substitute Wiring Circuits



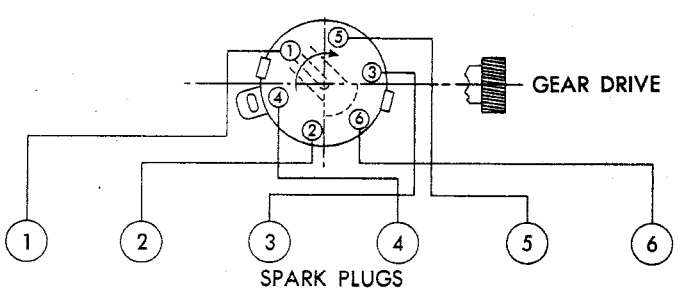
Circuit Identification

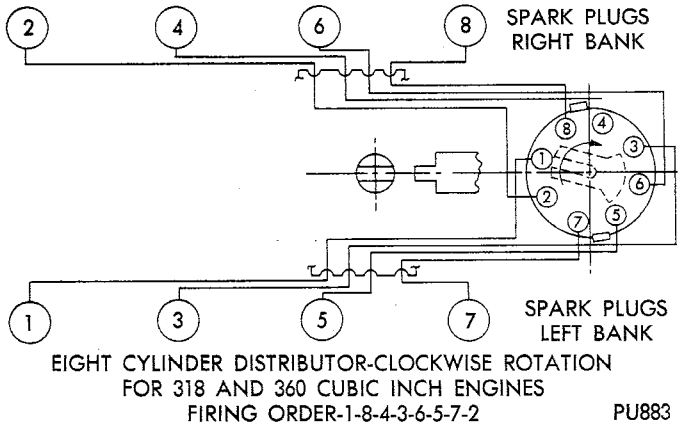
DIAGNOSTIC PLUG

All vehicles are equipped with a diagnostic plug which is used in conjunction with Chryslers Electronic Engine Performance Analyzer to quickly diagnose selected electrical system problems. Among the items that can be tested are battery, starter motor, starter relay, alternator, voltage regulator, ignition system, and ignition timing.



Diagnostic Connector (Circuit Identification)





Distributor Secondary Wiring