WIRING HARNESSES FOR MG PB 0615

April 2026 - Peter Hentschel

This package includes diagrams of the 3 main wiring harnesses used with the P type MGs with minor additional circuits for the addition of turn signals, the use of a regulator to control the dynamo, and the use of single filament headlights both with dipper solenoids.

The basic lengths (in inches) of the standard P type harnesses are indicated with the additional changes noted.

All wires should be original type cloth covered wire with chevron pattern for bi-color wires. The harness wrapping should be solid black cloth type. Termination connectors, where normally fitted, should be as originally used.

These diagrams include the three harness sections as shown on the following pages but do not include the small harness section behind the instrument panel between the instruments:

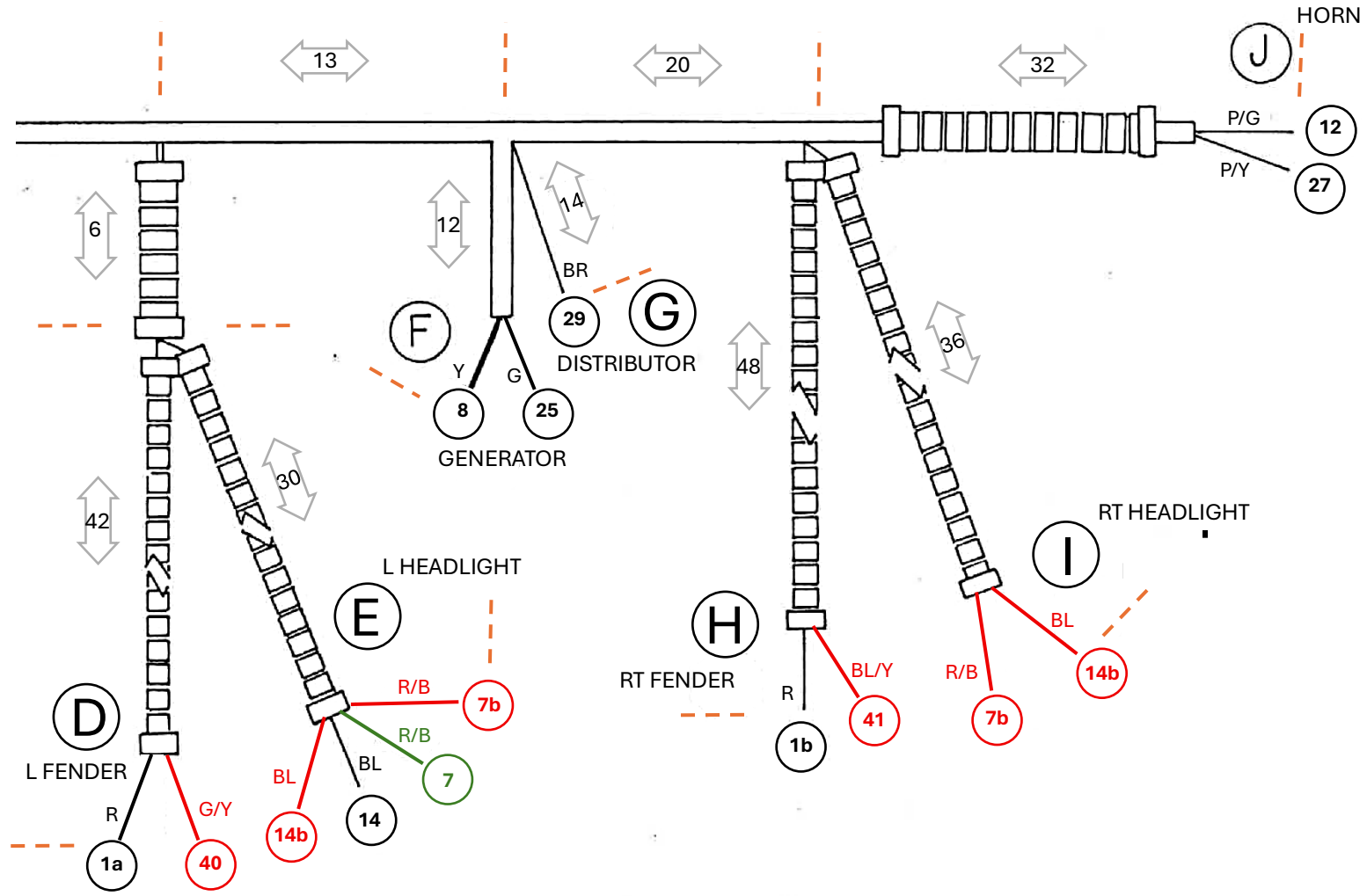
- The Main Harness (pages 2 & 3 joined)
- The PLC Panel to Junction Box Harness (page 4)
- The Center (dipper/horn) Panel to Junction Box Harness (page 5)

There is also a summary listing of the individual circuits indicating the wire color, wire gauge, harness location, and circuit purpose.

The following modifications have been made:

- Both headlights have solenoid dipper mechanisms, therefore the standard headlight and dipper circuits both go to the near side (left) headlight.
- Additional wires are added from near to far side headlight for both the single filament lamp and dipper
- Additional wires are added for turn signals to the front fender parking lights and to the rear taillights.

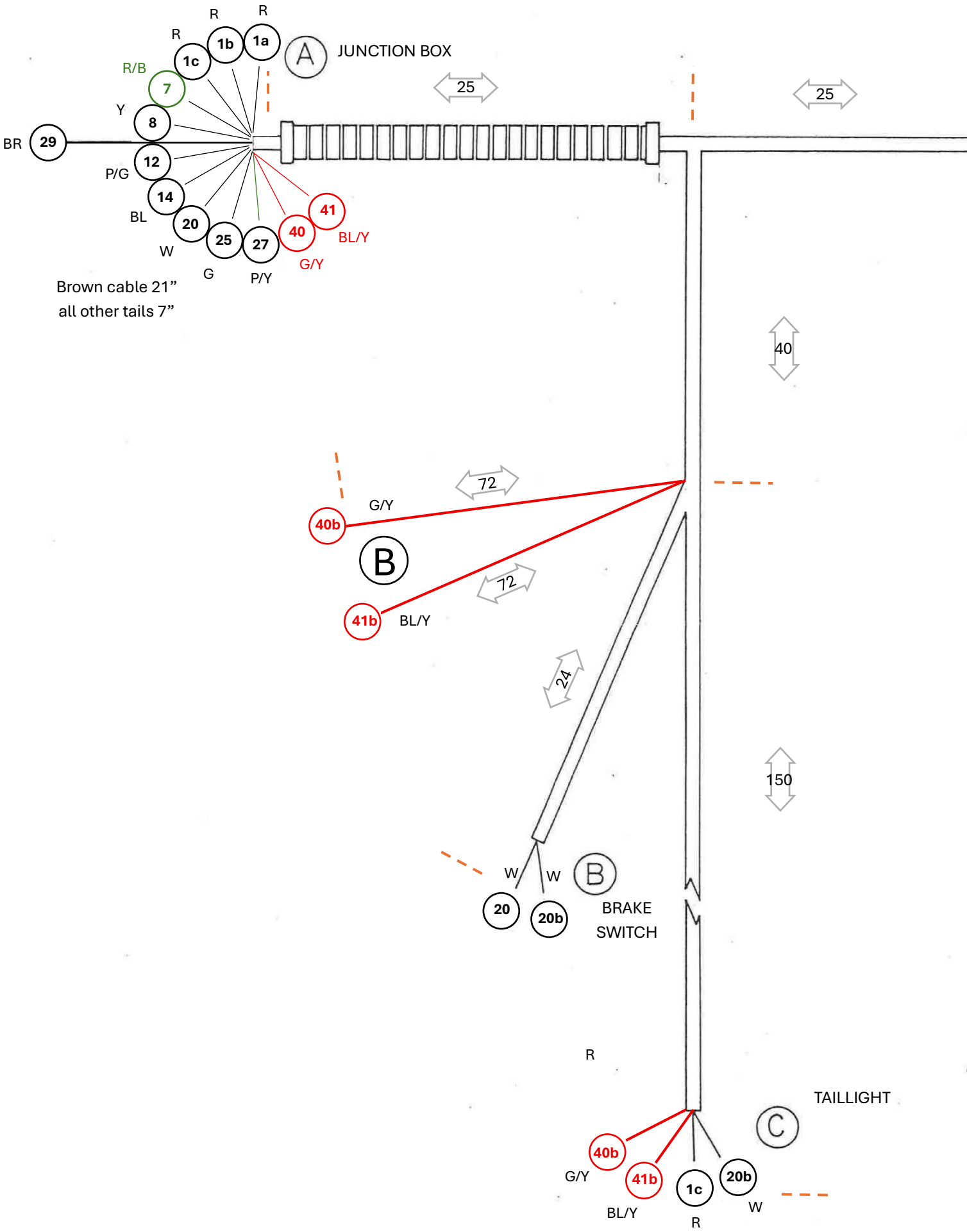
A separate set of documents has been generated showing the wiring diagram that coordinates with this harness outline and the wiring of flashers modules and latch locks for the turn signals.

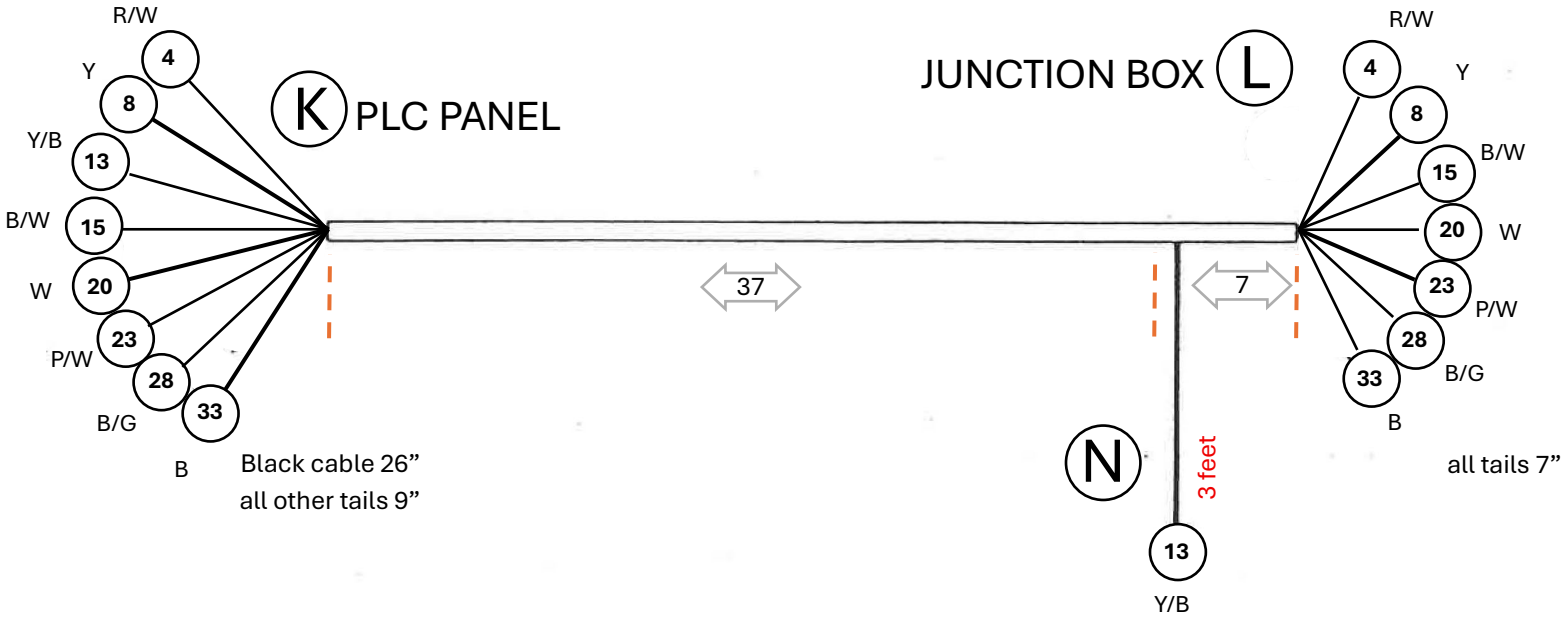


MAIN HARNESS – JUNCTION BOX TO CAR

= original circuit per Blower
= modified location of Blower circuit
= new added circuit

HARNESS NODE	#	GAUGE SIZE	COLOR CODE	CONNECTS TO:
A-D	1a	16	R	Junction Box (S&T) to left fender light
A-H	1b	16	R	Junction Box (S&T) to right fender light
A-C	1c	16	R	Junction Box (S&T) to Taillight
A-E	7	14	R/B	Junction Box (DIP) to Left Headlight Dipper
A-F	8	12	Y	Junction Box (D+) to Gen. (D+)
A-J	12	14	P/G	Junction Box (HN) to Horn Ground
A-E	14	12	Bl	Junction Box (H) to Left Headlight (**heavier wire gauge**)
A-B	20	14	W	Junction Box (Ign.) to Stoplight Switch
A-F	25	14	G	Junction Box (F1) to Gen. (F)
A-J	27	14	P/Y	Junction Box (HN) to Horn feed +
A-G	29	14	BR	Distributor through Junction box to Coil Unit (C.B.)
A-D	40	16	G/Y	Junction Box to Left Fender turn signal
A-H	41	16	BL/Y	Junction Box to Right Fender turn signal
E-I	7b	14	R/B	interconnection to RT dipper
E-I	14b	14	BL	Interconnection to RT Headlight
B-C	20b	14	W	Stoplight Switch to Stoplights
B-C	40b	16	G/Y	Center Panel to Left rear turn signal
B-C	41b	16	BL/Y	Center Panel to Right rear turn signal

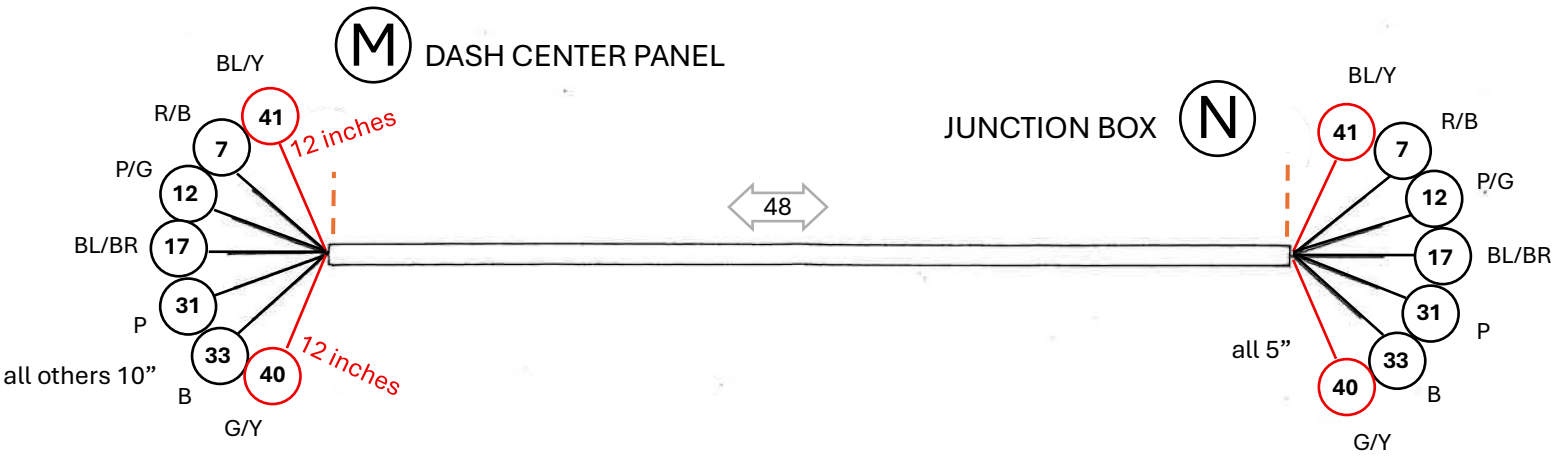

R
R
R
1b
1a
1c
A
JUNCTION BOX
R/B
7
Y
8
BR
29
12
P/G
14
BL
20
W
25
G
27
P/Y
41
40
BL/Y
G/Y
Brown cable 21"
all other tails 7"
25
25
40
72
G/Y
40b
B
72
41b
BL/Y
24
150
W
W
B
20
20b
BRAKE
SWITCH
R
TAILLIGHT
C
40b
G/Y
41b
BL/Y
1c
R
20b
W



HARNESS - PRIMARY DASH TO JUNCTION BOX

= original circuit per Blower
= modified location of Blower circuit
= new added circuit

NODE	CIRCUIT #	GAUGE SIZE	COLOR CODE	CONNECTS TO:
K-L	4	16	R/W	PLC T to Junction Box S&T
K-L	8	12	Y	PLC D to Junction Box D+
K-N	13	12	Y/B	PLC Ammeter to Starter Switch
K-L	15	14	B/W	PLC H to Junction Box H
K-L	20	14	W	PLC IGN to Junction Box IGN
K-L	23	12	P/W	PLC A to Junction Box AUX
K-L	28	14	B/G	PLC F1 to Junction Box (do not connect)
K-L	33	14	B	PLC GND to Junction Box E



HARNESS - SECONDARY DASH TO JUNCTION BOX

= original circuit per Blower
= modified location of Blower circuit
= new added circuit

NODE	CIRCUIT #	GAUGE SIZE	COLOR CODE	CONNECTS TO:
M-N	7	14	R/B	Dip Switch to Junction box (Dip)
M-N	12	14	P/G	Dip Switch to Junction box (Hn -)
M-N	17	14	BL/BR	Dip Switch to Junction box (H)
M-N	31	14	P	Center Panel (Acc +) to Junction box (Aux +)
M-N	33	14	B	Center Panel (Grd) to Junction box (E)
M-N	40	14	G/Y	Flasher unit to Junction box (LT)
M-N	41	14	BL/Y	Flasher unit to Junction box (RT)

MG PB - WIRING DIAGRAM CIRCUITS

Standard wiring with modifications

Referenced to overall wiring diagram

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PB 0615

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BLACK = original circuits

RED = new circuits for modifications

GREEN = original circuit but new termination location

curcuit	color	gauge	harness	nodes	description
1a	R	16	main	A-D	Junction Box (S&T) to left fender light
1b	R	16	main	A-H	Junction Box (S&T) to right fender light
1c	R	16	main	A-C	Junction Box (S7T) to Taillight
4	R/W	16	primary	K-L	PLC (T) to Junction Box (S&T)
7	R/B	14	main	A-E	Junc Box (DIP) to Left Headlight Dipper (new termination)
7b	R/B	14	main	E-I	interconnection from LT dipper to RT dipper
7	R/B	14	secondary	M-N	Dip Switch to Junction box (DIP)
8	Y	12	main	A-F	Junction Box (D+) to Gen (D+)
8	Y	12	primary	K-L	PLC (D) to Junction Box (D+)
12	P/G	14	main	A-J	Junction Box (HN) to Horn Ground
12	P/G	14	secondary	M-N	Dip Switch to Junction box (Hn -)
13	Y/B	12	primary	K-N	PLC Ammeter to Starter Switch
14	Bl	12	main	A-E	Junction Box (H) to Left Headlight (note heavier wire gauge)
14b	BL	14	main	E-I	Interconnection from LT Headlight to RT Headlight
15	B/W	14	primary	K-L	PLC (H) to Junction Box (H)
17	BL/BR	14	secondary	M-N	Dip Switch to Junction box (HD)
20	W	14	main	A-B	Junction Box (IGN) to Stoplight Switch
20b	W	14	main	B-C	Stoplight Switch to Stoplights
20c	W	14	lose wire	-	Junction Box (IGN) to Fuel Pump
20d	W	14	lose wire	-	Junction Box (IGN) to Coil SW
20	W	14	primary	K-L	PLC (IGN) to Junction Box (IGN)
23	P/W	12	primary	K-L	PLC (A) to Junction Box (AUX)
25	G	14	main	A-F	Junction Box (F1) to Gen (F)
27	P/Y	14	main	A-J	Junction Box(HN) to Horn +
28	B/G	14	primary	K-L	PLC (F1) to Junction Box (do not connect)
29	BR	14	main	A-G	Distributor through Junction box to Coil Unit (C.B.)
31	P	14	secondary	M-N	Center Panel (Acc) + to Junction box (Aux+)
33	B	14	primary	K-L	PLC (GND) to Junction Box €
33	B	14	secondary	M-N	Center Panel (Grd) to Junction box €
33	B	14	lose wire	-	Junction Box (E) to Fuel Pump E
40	G/Y	16	main	A-D	Junction Box (LT) to Left Fender turn signal
40b	G/Y	16	main	B-C	Center Panel to Left rear turn signal
40	G/Y	14	secondary	M-N	Flasher unit to Junction box (LT)
41	BL/Y	16	main	A-H	Junction Box (RT) to Right Fender turn signal
41b	BL/Y	16	main	B-C	Center Panel to Right rear turn signal
41	BL/Y	14	secondary	M-N	Flasher unit to Junction box (RT)