

WIRING DIAGRAM FOR MG PB 0615

April 2026 - Peter Hentschel

The package includes an overall wiring diagram, a listing of the individual circuits including the circuit #, wiring gauge, and wiring colors; and detailed blowup plots of the 4 basic sections of the system.

The goal is to keep the circuitry, the circuit numbers, wire colors and wire gauges as close to the original Blower diagram as possible – with some additions to accommodate the changes below.

This system will use a rare CJR-3 junction box in the brown color of the earlier CRJ-2 box used on most P types until the end of production. The standard MG PB Wiring Diagram incorporates the following modifications:

- The junction box is a CJR-3 modified for use of a DVR-3 regulator
- Both headlights will have a solenoid dipper mechanism
- Both the Headlight and Dipper circuits go to the near side headlight
- Additional wires are added from near to far side headlight for lamp and dipper
- Additional wires are added for turn signals in the front fender parking lights and rear
- The front and rear turn signal circuits are controlled by an added controller / flasher module with a latching module to allow the push button switches on the dash to latch the signals (and the trafficators) on and then off with a second push. A flasher module is also included for the turn signals (but not the trafficators)

A separate set of documents have been generated to show the 3 main harnesses used in the P type wiring and the wire circuits in each harness. To coordinate the wiring diagram with the actual wiring harnesses there are NODE references indicating the actual branches of the wiring harnesses.

MG PB - WIRING DIAGRAM CIRCUITS

Peter Hentschel

Standard wiring with modifications

PB0615

Referenced to overall wiring diagram

April 2026

BLACK = original circuits

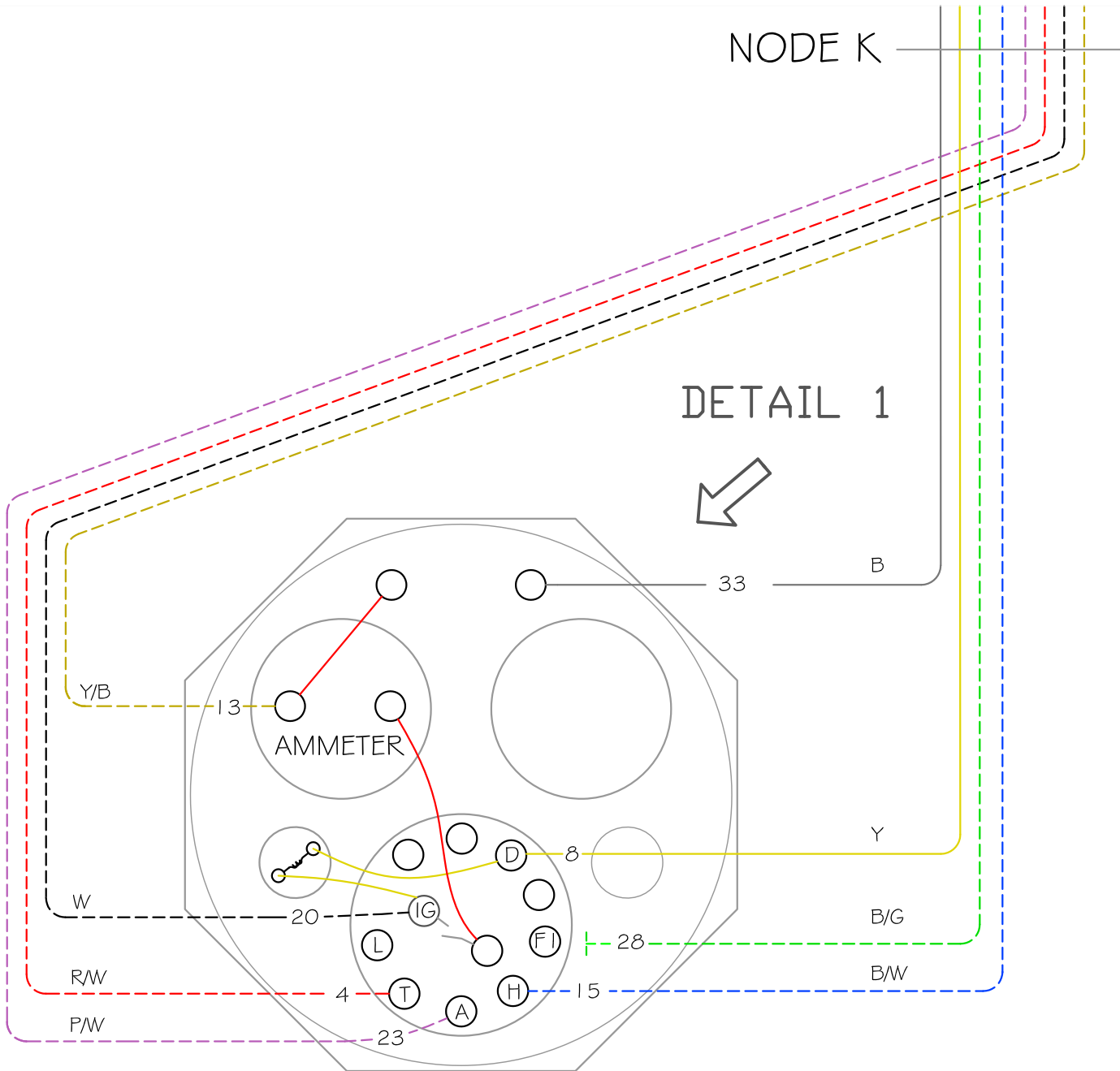
RED = new circuits for modifications

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)

NODE K

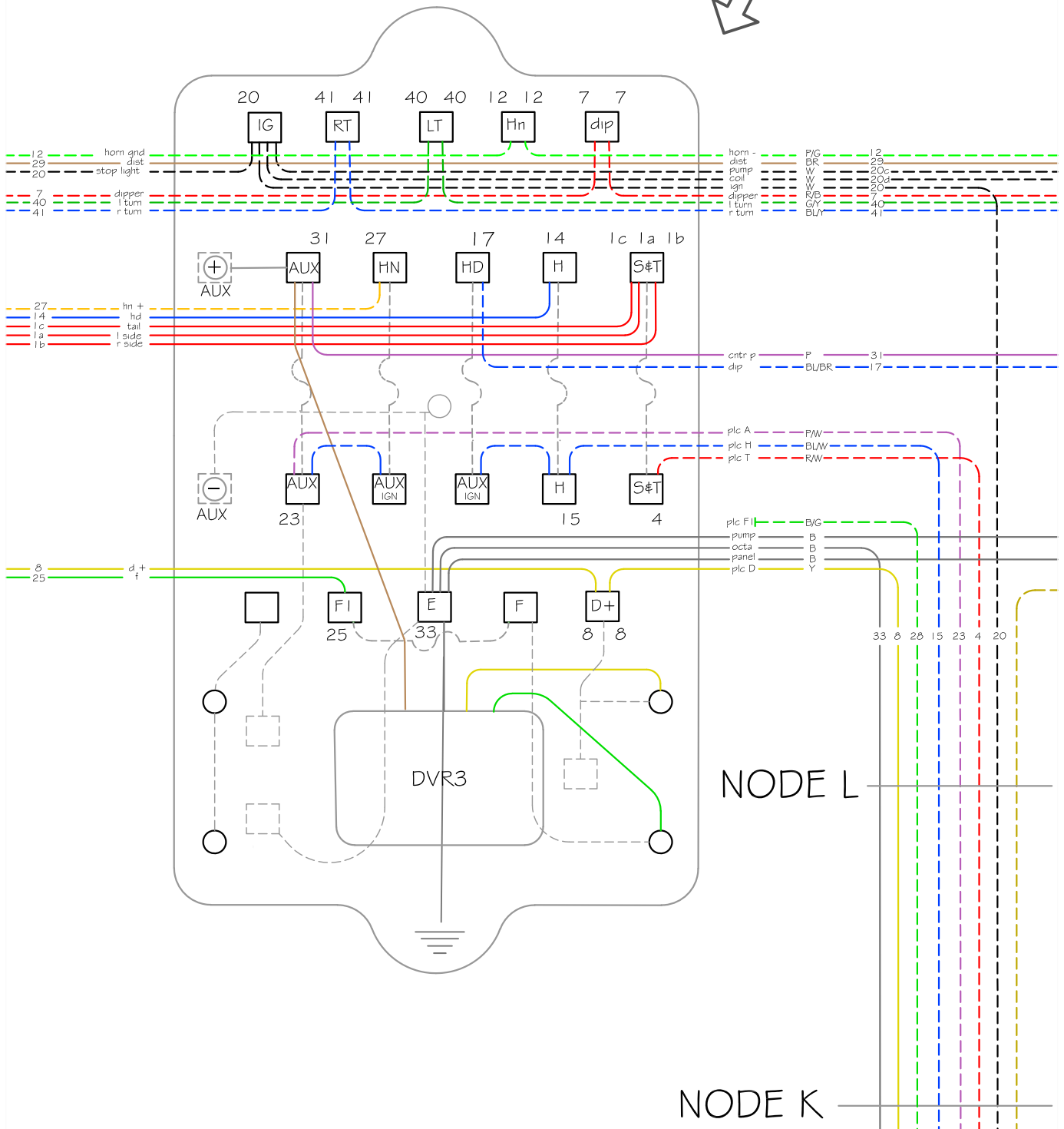
DETAIL 1



PLC 6 SWITCH

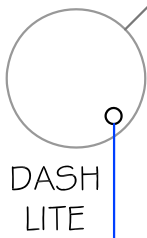
key	ign circuits on	IGN	20	fuel / coil / brake lights
off	all other circuits off	off	off	
D	dynamo on	FI A	28 23	also horn / turn / wiper / panel
S	side / tail lights on	T	4	adds - side / tail lights
H	headlights on	H	15	adds - headlights

DETAIL 2

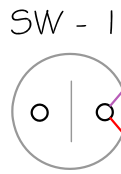


NODE M

40 41

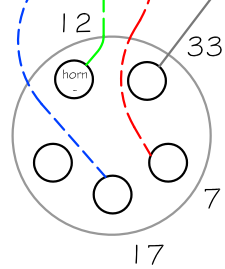


DASH LITE



SW - 1

31



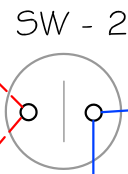
12

33

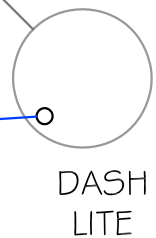
7

17

horn



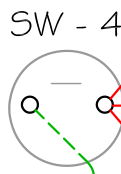
SW - 2



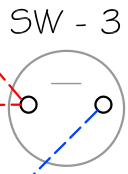
DASH LITE



TAIL 3



SW - 4

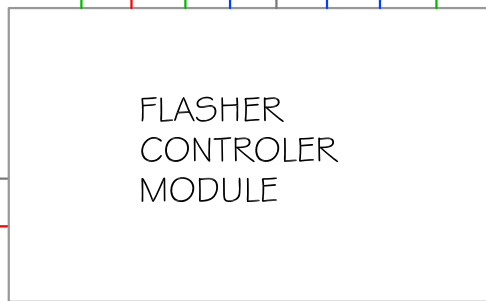


SW - 3

DETAIL 4



31 40 41 33 41b 40b



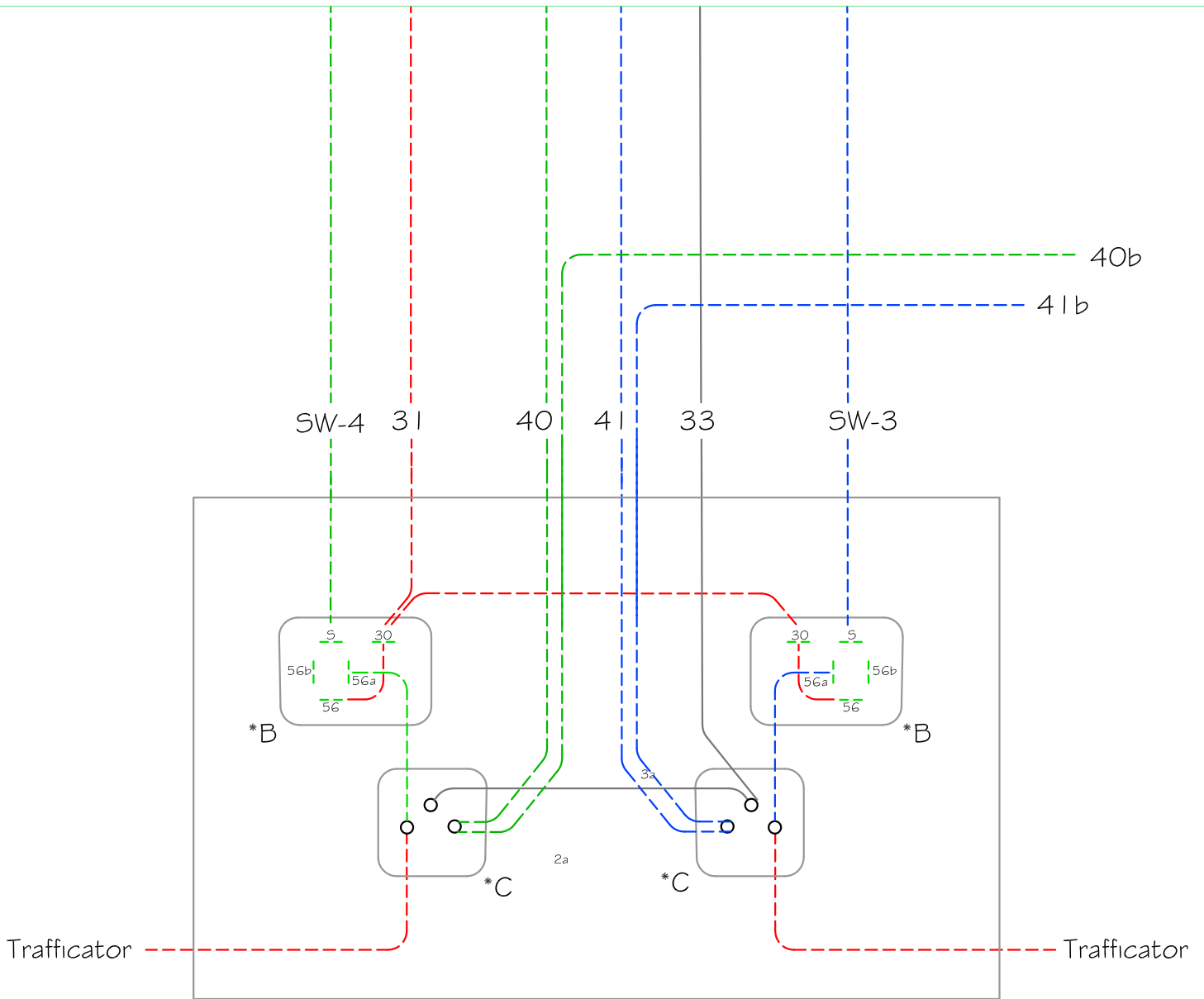
FLASHER CONTROLER MODULE

CENTER PANEL TO JUNCTION BOX

MG PB - PB 615

DETAIL 3

Peter Hentschel - April, 2026



Hidden box containing
turn signal locking
controller and flasher
module for front and rear
turn signal lights

*B	latching relay	Dunite O-728-02 12v 25a
*C	flasher unit	tbd