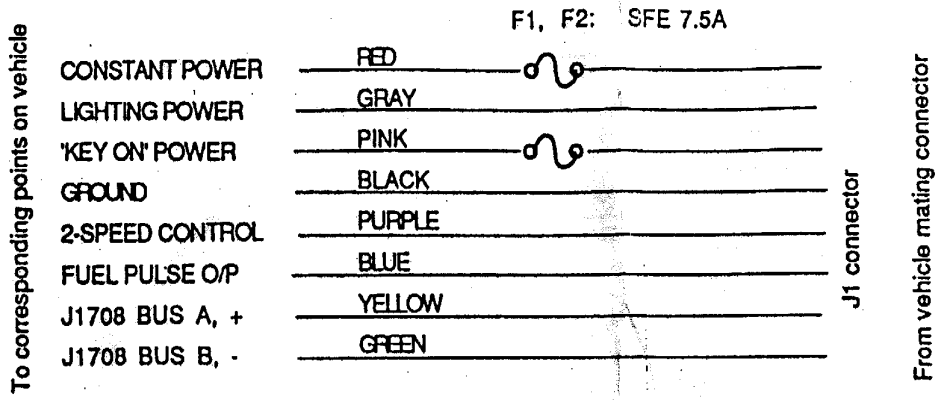
SERIAL DATALINK

INFO/INSTRUCTIONS

FOR USE WITH
1318 TACOGRAPH



Notes:

1. All wire UL 1015 300V 105°C or UL 3266
2. J1 connector is Packard Electric Metri-Pack 250 series as follows:
   Female connector shell part # 12064998
   Female contact part # 12066214 (8 pcs required)
   Secondary Lock part # 12064999 (2 pcs required)
3. Fuse Holder is BUSS BK/HHB or similar. The small end of the fuseholder is closest to the Packard connector.
4. Overall length is 1 meter (± 30mm)
5. Fusewholders are butt-spliced into harness approximately midway .
6. This assembly is provided as part of SDL - Kamex 9 332 003 891 and also as part of SDL 9 332 003 561.

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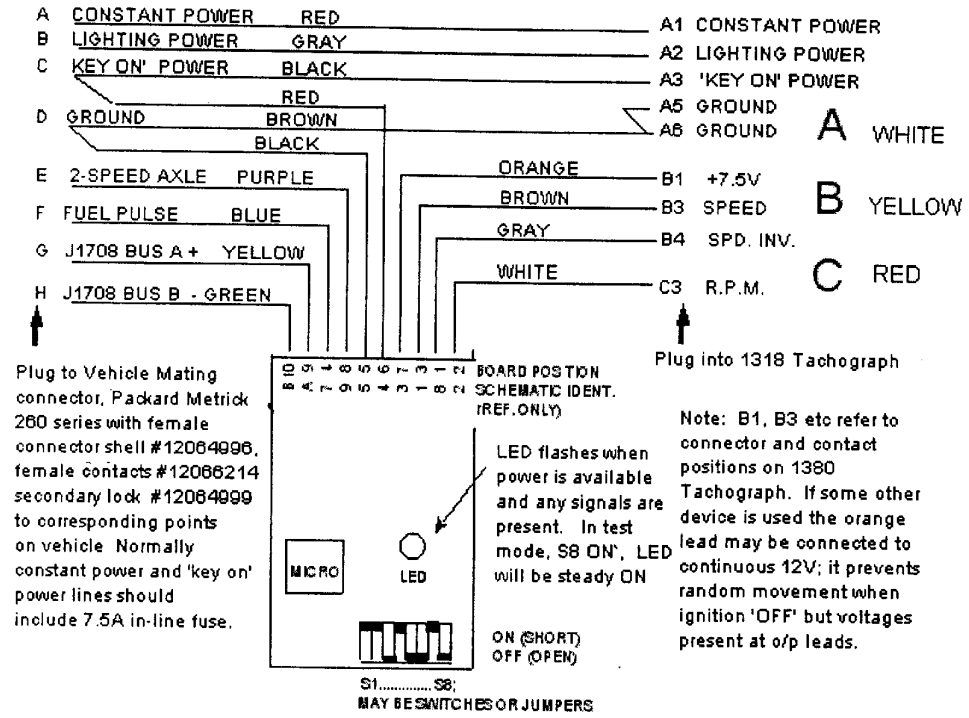
AFTERMARKET WIRE HARNESS
FOR S.D.L.

9 332 003 578

JULY 1997



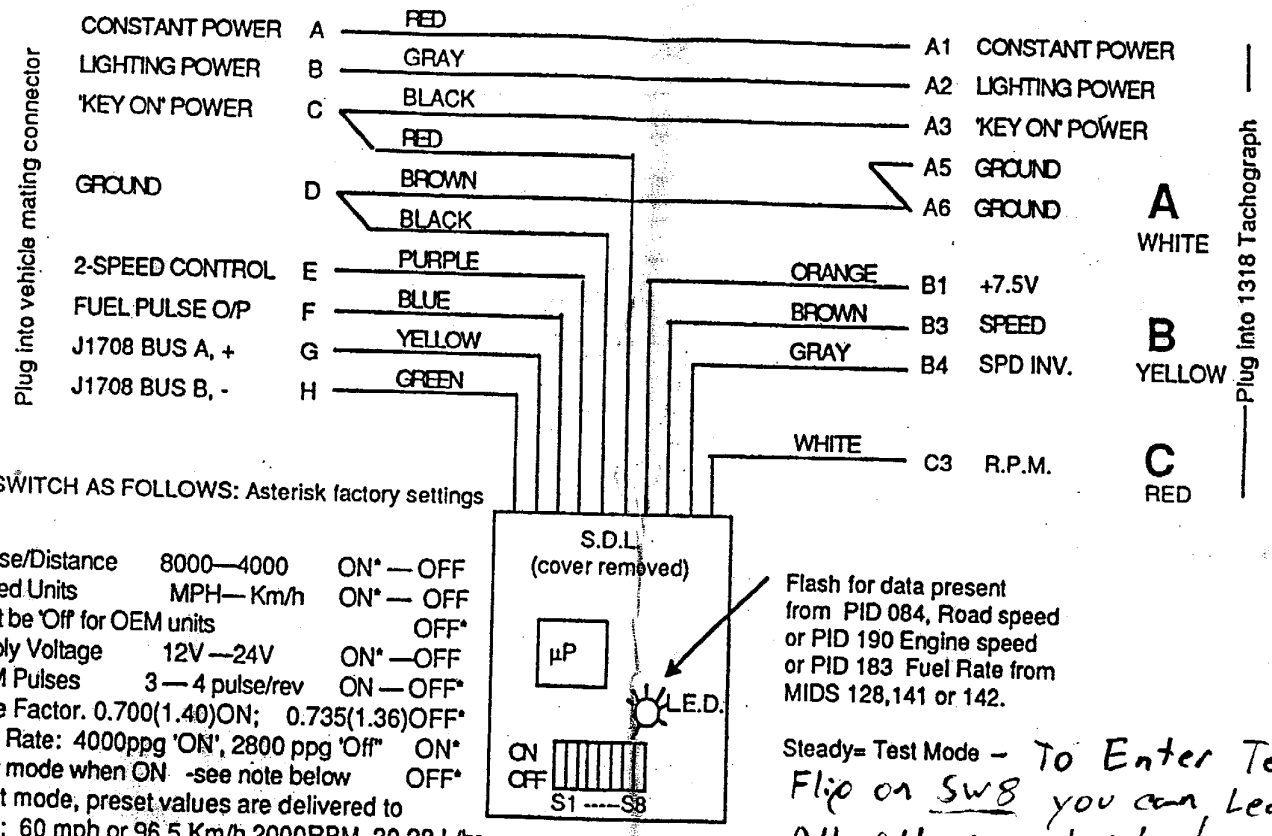
Switch or jumper functions as follows:
(Asterisks factory settings)

S1: Pulse/ unit distance 8000/4000 ON*-OFF
S2: Speed units; MPH/ Km/hr ON*/OFF
S3: Special - used for Kamex, 891 OFF*
S4: Supply voltage; 12V/24V ON*/OFF
S5 RPM pulses; 3 4 pulse/rev ON/OFF*
S6; Axle ratio: 0.7 / 0.735 ON/OFF*
Note: at 0V when 'ON', delivered ratio = 1.0; when high, ratio is defined by switch setting.
S7 Fuel rate 4000 - 2800pulse/USG ON*/OFF
S8 Test ; ON, preset values delivered OFF*
44.4 mph, 103Hz; 2000RPM, 133.3Hz; 8 GPH, 8.9Hz:
note the reason for 44.4 mph instead of 60mph is that in this test, we are supplying +12 via S6, axle ratio.

Note: This unit is intended for use only with the J1708 Databus. The signals on this databus are PID 084 Road speed, PID 190 Engine speed and PID 183 Fuel Rate, MID`s 128,141 or 142.
The databus is most easily found by plugging into the diagnostic connector, or splicing into the wiring behind it. The Bus A and B wires may be found at the following pins:
Deutsch 6 pin connector pin A and pin B
Deutsch 9 pin connector pin F and pin G
DDHC 12 pin Packard pin J and pin K
AMP 8 pin connector Pin `1`and pin `2

MFE561 confroms to SAE J1587 and J1708 and is a receive only device which will not upset the Databus. It will run on 12 or 24V depending on switch setting and is not damaged by short circuits, reasonable voltage transients and reverse polarity. Outputs are pulsating DC and will sink 5 mA at 0V and deliver 8V via 1300 ohm source impedence.

SDL Data Sheet

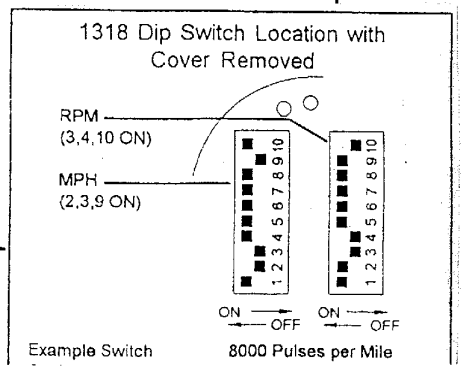


PROGRAM SWITCH AS FOLLOWS: Asterisk factory settings

SW 1	Pulse/Distance	8000—4000	ON* — OFF
SW 2	Speed Units	MPH— Km/h	ON* — OFF
SW 3	Must be 'Off' for OEM units		OFF*
SW 4	Supply Voltage	12V —24V	ON* —OFF
SW 5	RPM Pulses	3 — 4 pulse/rev	ON — OFF*
SW 6	Axle Factor. 0.700(1.40)ON;	0.735(1.36)OFF*	
SW 7	Fuel Rate: 4000ppg 'ON', 2800 ppg 'Off"		ON*
SW 8	Test mode when ON -see note below		OFF*

Note: in test mode, preset values are delivered to Tachograph: 60 mph or 96.5 Km/h,2000RPM, 30.28 L/hr

Supplementary data sheet for SDL 9 332 003 561, serial numbers 20203 onwards.
Note : orange lead brings initial o/p power from B1 of 1318 Tachograph 'B' connector



M and F June 2000

Factory settings → For 1318 use with SDL