
Pantera Electronics Adjustable Signal Flasher Installation Manual

3/4 Terminal

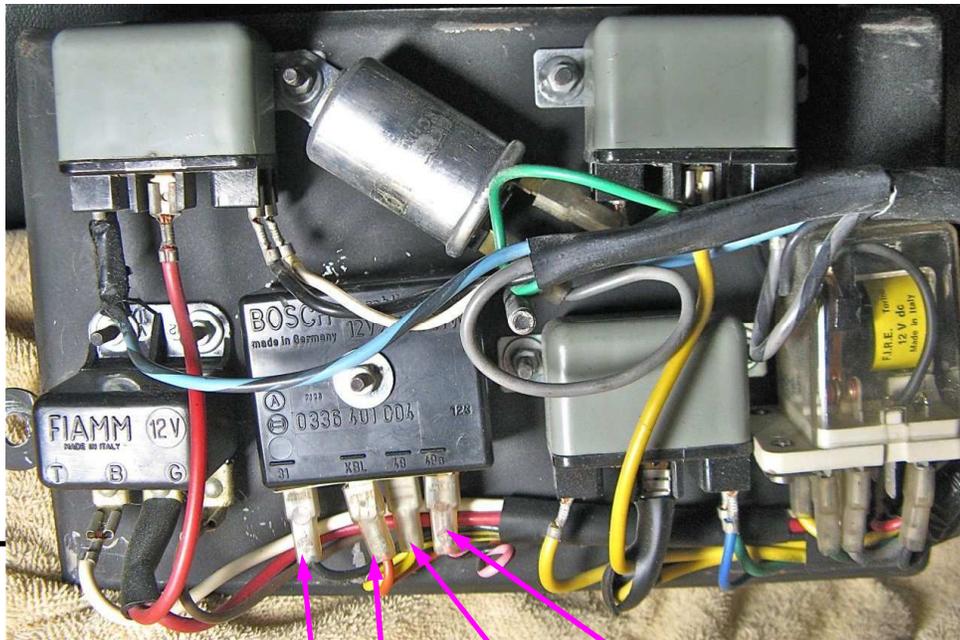
Replacing 4 Terminal Turn Signal Flashers

Locate the signal flasher in the Pantera, 1971/1972 (Pre-L) look for a metal box suspended above the passenger's side floor. Unscrew the wing nut and lower the metal box. 1973-1974 (L) look for the signal flasher behind a door in a compartment next to the drivers side door.

The original factory Bosch signal flasher is a rectangular black box with 4 wires, — BLACK, YELLOW, PINK/BLACK stripe and ORANGE. Remove each wire individually and connect to the Adjustable Flasher matching the color labels. The ORANGE wire from the Pantera harness will connect to the orange wire with terminal from the Adjustable Flasher. (KBL or dash light) [Image 1]

Replace the metal box and tighten the wing nut.

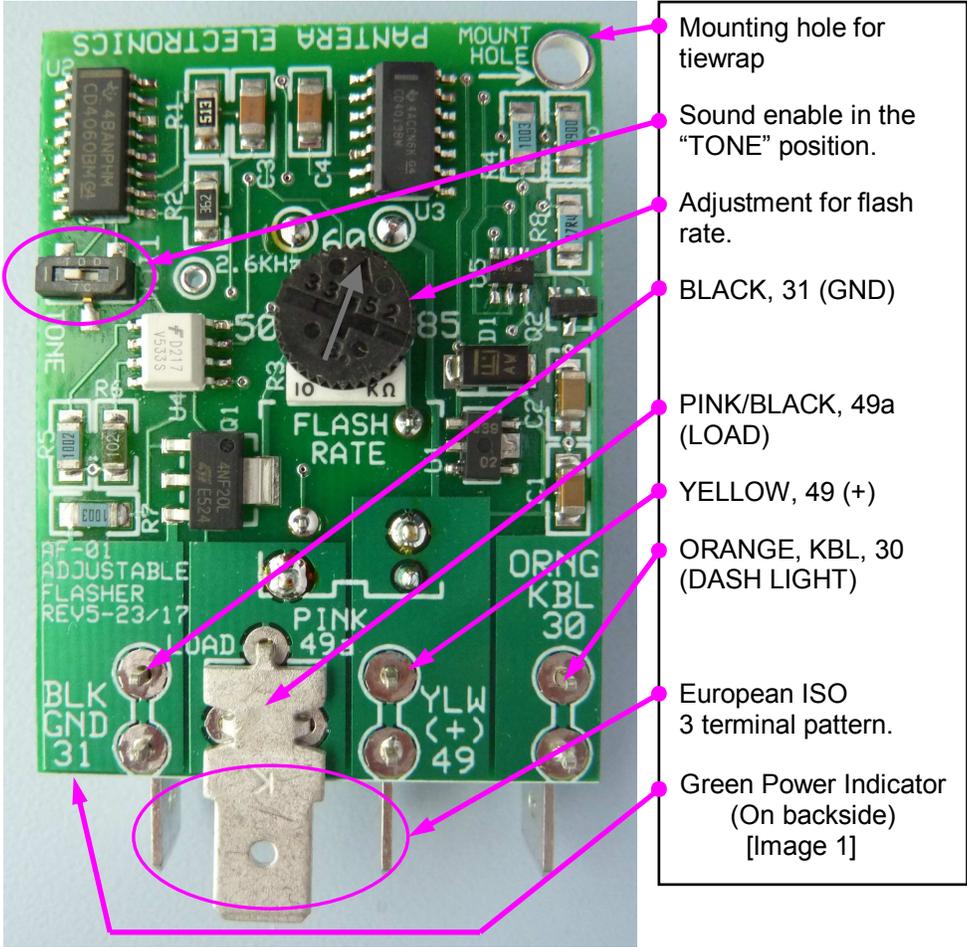
Factory Bosch 4 terminal turn signal flasher mounted on relay plate



Ground, Black wire (31) ● Load, Pink/Blk wire (49a)
Dash light, Orange wire (KLM) ● 12V, Yellow/Blk wire(49)

NOTE: It's important to keep this installation manual for future reference since revisions to this product change the contents of the installation manual.

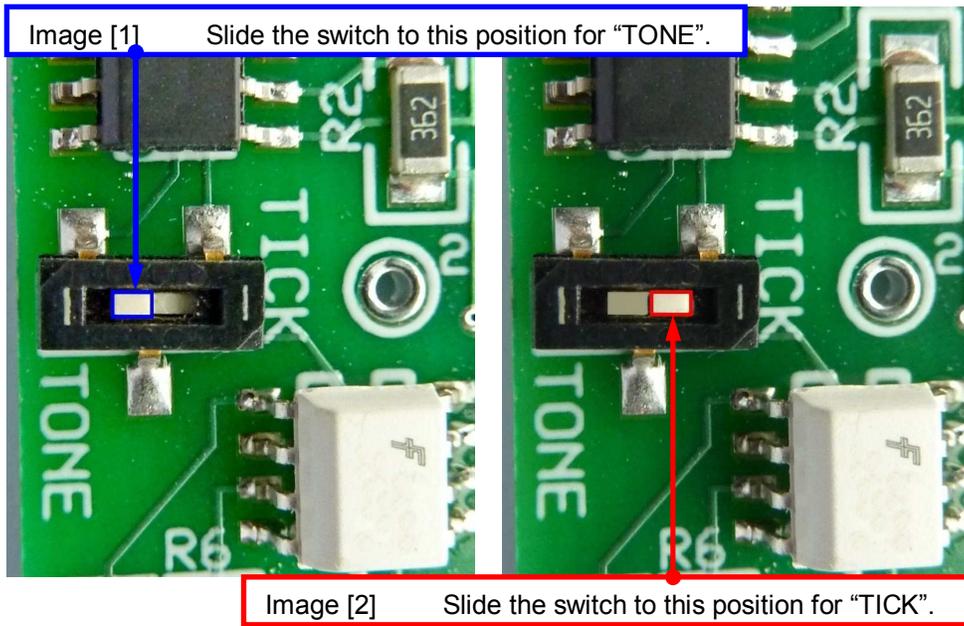
Pantera Electronics 4 terminal turn signal flasher - P/N: AF-01



Adjusting the Turn Signal Flasher

There are 2 adjustments for the flasher, one is the flash rate, one is for the type of sound. Rotate the black round disk clockwise to increase flash rate, counter clockwise to decrease flash rate. The Pantera Electronics scrolling LED turn signals were designed for a little faster than 60 flashes per minute flasher setting. There is a “60” labeled on the flasher, set the pointer on the black disk to 60. Make sure the last LED in the array illuminates before the flasher turns OFF. Adjust the rate until all LED’s in the array illuminate.

The flasher sound is set to “TONE” from the factory to change the sound slide the “TICK” position. **Use a pin to move the slider.** [Image 1 and 2]

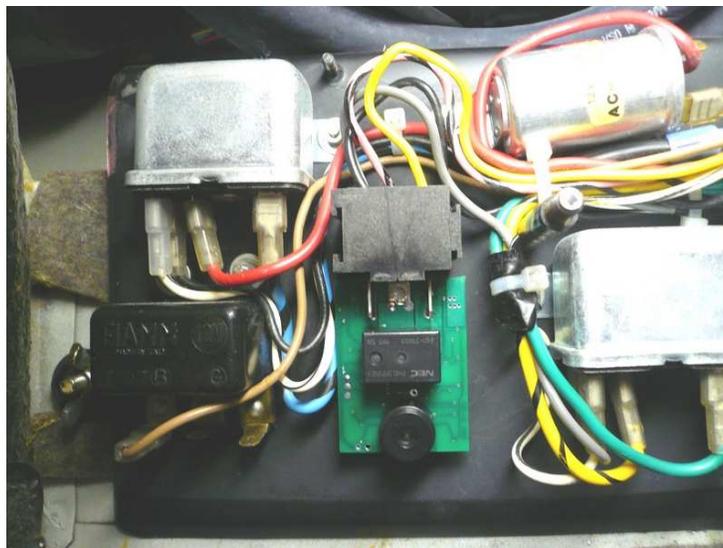


Replacing 3 Terminal Turn Signal Flashers

Locate the signal flasher in the Pantera, 1971/1972 (Pre-L) look for a metal box suspended above the passenger's side floor. Unscrew the wing nut and lower the metal box. 1973/1974 (L) look for the signal flasher behind a door in a compartment next to the drivers side door. The factory signal flasher is a rectangular black box about 2 inches (51 mm) long, it plugs into a socket with 3 wires, BLACK, YELLOW and PINK/BLACK stripe . Remove by unplugging the signal flasher, the socket will stay mounted on the plate. Connect the Adjustable Signal Flasher by plugging it into the socket.

Replace the metal box and tighten the wing nut.

Factory
Bosch 3
Terminal turn
signal flasher
mounted on
relay plate.
[Image1]



Adjustable
Flasher
installed in a
1971/1972
relay box
located in the
passenger side
foot well with
the cover
removed. This
is an example
of a 3 terminal
Bosch
replacement.

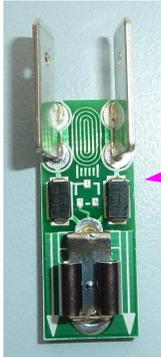
[Image 2]

Turn Signal Adapter (only needed with 3 terminal flashers)

The turn signal adapter is only required if all incandescent lamps, front and back are replaced with LED conversions. Behind the dash, at the bottom of the tachometer housing is the turn signal indicator, connected with 2 orange wires. Remove the lamp socket by pulling the socket straight back. Unplug the 2 ORANGE wires from the lamp socket and plug the Turn Signal Adapter on the lamp socket. Plug the 2 female ORANGE wires onto the male terminals of the Turn Signal Adapter.

Add a BLACK wire with the quick disconnect terminal to the turn signal indicator and connect to the ground connection on the back of the tachometer where other BLACK wires.

Adapter for turn signal light, connects to the orange wires from light. Add black wire from light to ground. (tach case) [Image 3]



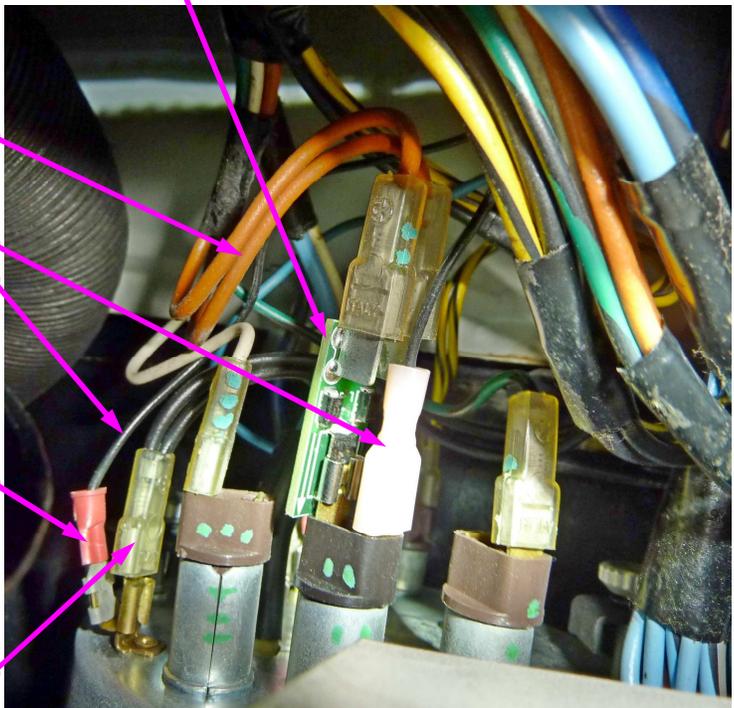
Turn signal adapter assembly.

2 Orange wires

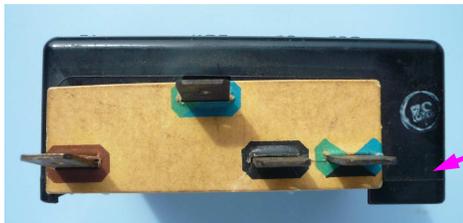
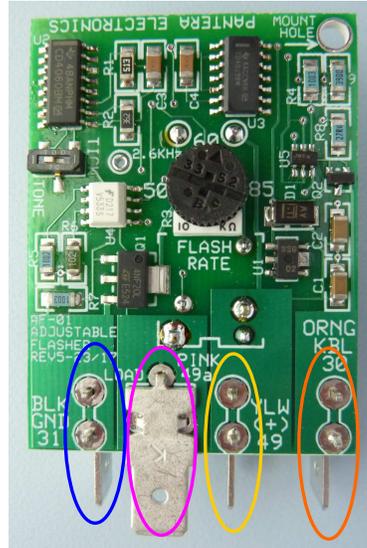
Added BLACK ground wire.

Use a Piggy-back quick disconnect for adding ground wire connection. (back of tachometer case)

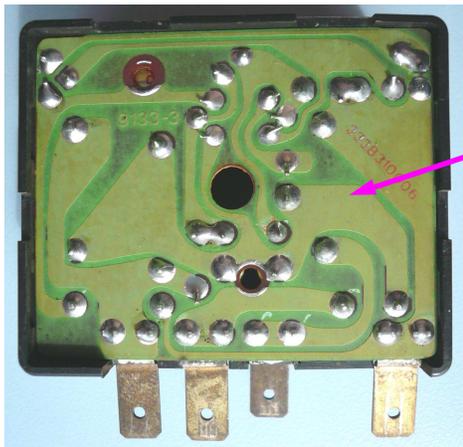
Factory ground wire.



NOTE: This is a replacement for a Bosch 4 terminal Turn Signal Flasher Relay, Part Number: 0336401004.



This is the bottom view of the Bosch 4 terminal Turn Signal Flasher Relay



This is the back side view of the Bosch 4 terminal Turn Signal Flasher Relay

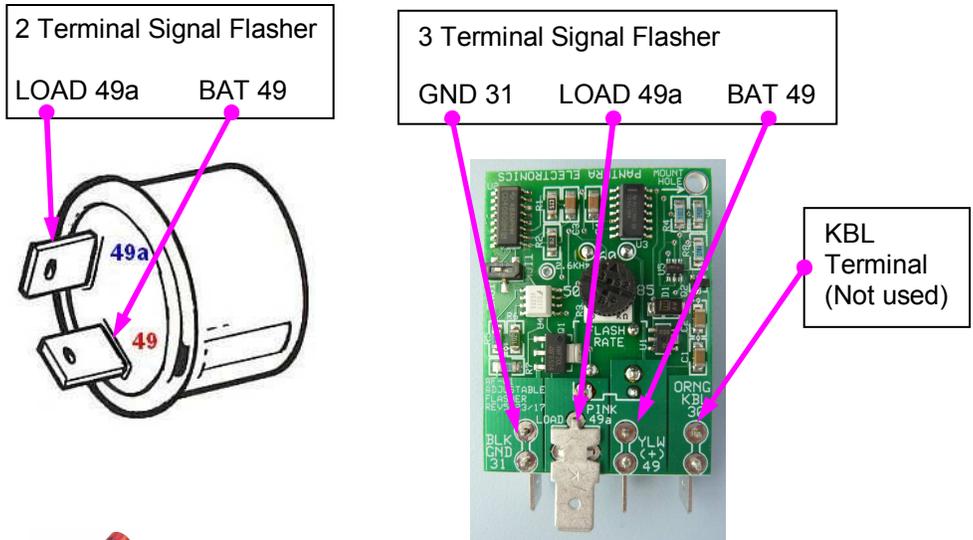
**3 terminal turn signal flasher conversion to 2 terminal turn signal flasher
(Bricklin SV-1 installation)**

When installing LED light conversions in the Bricklin SV-1 the turn signal flasher must be changed. The factory turn signal flasher is a 2 terminal flasher in the fuse panel with standard 1/4" wide terminals. The Pantera-Electronics, (AR-01) adjustable rate flasher has 4 terminals, the "KLB" terminal will not be used.

The AR-01 has 3 terminals, "49", "49a" and "31".

2 of the terminals will connect as the factory turn signal flasher and the ground terminal #31 will connect to a common ground connection on the car body / chassis.

1. Crimp 3 Faston female terminals to #16 AWG wires and connect to the AR-01 Flasher.
2. Crimp 2 Faston male terminals to #16 AWG wires and connect to #49 and #49a on the fuse panel.
3. Crimp 1 eye terminal to the #31 to the #16 AWG wire and connect to chassis ground.
4. See page 2 "Adjusting the Turn Signal Flasher"



Red female 22 to 18 AWG quick disconnect terminal



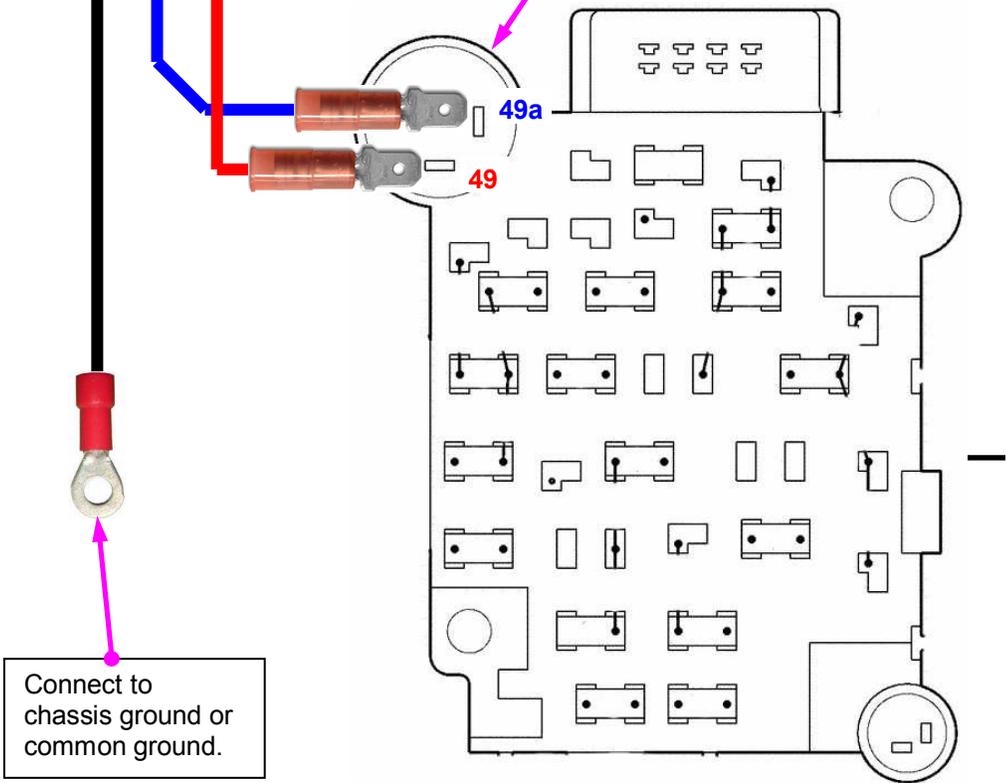
Red male 22 to 18 AWG quick disconnect terminal

3 terminal turn signal flasher conversion to 2 terminal turn signal flasher
(Bricklin SV-1 installation)



Pantera-Electronics
Adjustable Rate Flasher #AR-01

Generic fuse panel pictured.
2 terminal turn signal flasher position.



Connect to
chassis ground or
common ground.