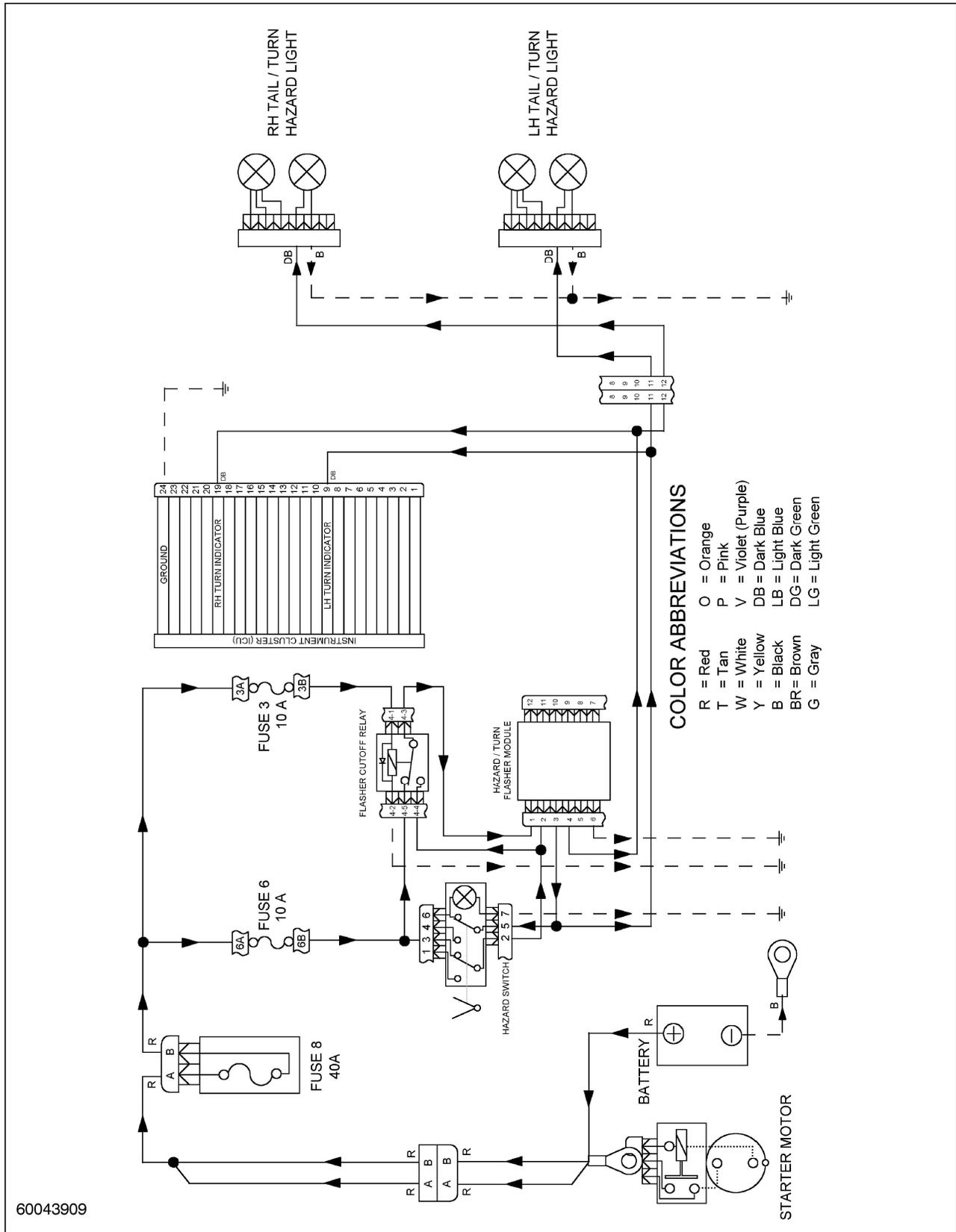


HAZARD FLASHER CIRCUIT



### **HAZARD FLASHER CIRCUIT**

1. Current starts at the battery, and flows through the positive (+) battery cable to the engine starter motor.
2. From the starter motor, current flows through the 40-amp fuse to a wire splice. The wire splice sends current to:
  - Fuse #6, 10-amp
3. The #6, 10-amp fuse provides current to :
  - Terminal #3 of the hazard light switch
  - Terminal 4-5 of the flasher cutoff relay

### **Hazard light switch**

1. When the hazard light switch is placed in the "ON" position current is transferred from terminal #3 to terminal #2 .
2. Terminal #2 of the hazard light switch provides current to:
  - Terminal # 4-4 of flasher cutoff relay
  - Terminal # 2 of the hazard/turn flasher module.

### **Flasher Cutoff Relay**

1. Fuse #3 10-amp, provides current to terminal # 4-1 (coil side of relay) Ground source is provided to terminal # 4-2 by tractor main ground located at the engine starter mounting bolt. This allows the relay to energize and latch terminals # 4-3 and 4-5.
2. Terminal # 4-3 of the flasher cutoff relay provides current to terminal #1 of hazard/turn flasher module.

### **Hazard/Turn Flasher Module**

1. With current provide to terminals # 1 and #2 of module and a ground source provided to terminal #6 the module energizes. Allowing pulsating current to be sent out of terminals #3 and #4.
2. Terminal #3 of module sends pulsating current to hazard light switch internal bulb; left side rear hazard light and left turn indicator light terminal # 9 of instrument panel. Allowing lights to flash on and off.
3. Terminal #4 of module sends pulsating current to right side rear hazard light and terminal # 19 of the instrument panel. Allowing lights to flash on and off.

### **Ground Circuit**

1. Ground source for rear hazard lights is provided by ground located at the left side of the HPL cover.
2. Ground for instrument panel terminal # 24 is provide by main ground, located at the engine starter mounting bolt.

**HAZARD FLASHER CIRCUIT  
TROUBLESHOOTING**

CONDITION	POSSIBLE CAUSE	REMEDY
Hazard Signal Lights will not illuminate or flash	Blown #3, 10-amp hazard signal fuse  Blown #6, 10-amp fuse  Hazard signal bulb(s) burnt out  Defective hazard switch  Defective flasher cutoff relay  Defective hazard/turn flasher module  Faulty wiring or ground connection	Inspect fuse and replace as necessary  Inspect fuse and replace as necessary  Inspect bulb(s) and replace as necessary  Test switch and replace as necessary  Test flasher relay by using a known functioning flasher relay and replace as necessary  Test module and replace as necessary  Inspect the tractor's wiring harness and ground terminals for damage, corrosion, and short circuits. Repair or replace as needed
Instrument panel hazard indicator(s) does not illuminate	Indicator bulb(s) burnt out  Faulty wiring or ground connection	Inspect bulb and replace as necessary  Inspect the tractor's wiring harness and ground terminals for damage, corrosion, and short circuits. Repair or replace as needed