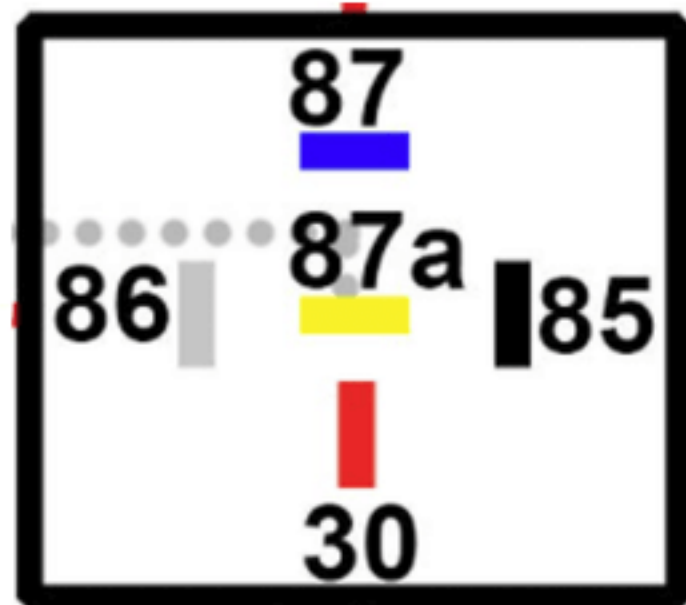


TAIL-TURN-BRAKE RELAY WIRING

For Vehicles where the Brake and Turn Signals use the same circuit.

Left Signal + Brake

RELAY 1



view of bottom of relay
each pole is numbered

85: Frame ground.

86: 12vdc+ trigger wire INPUT
from truck's LEFT turn signal.

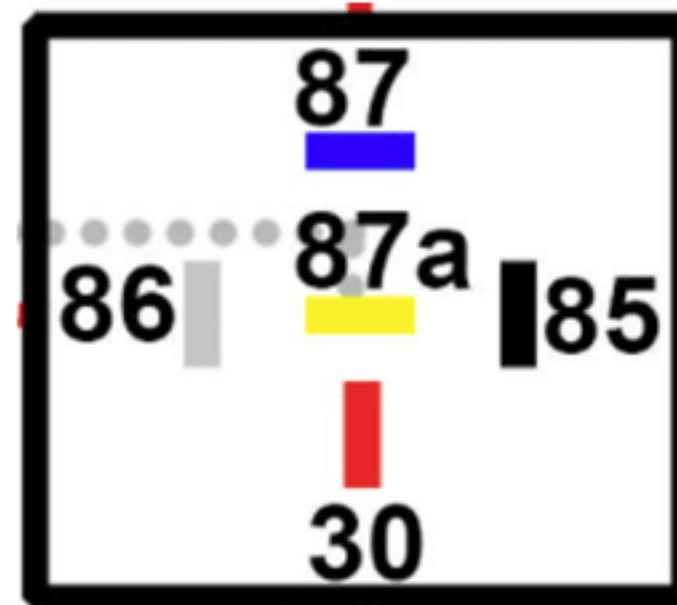
87: 12vdc+ OUT to Diodes 2 and
3 on the LEFT SIDE Boogey
Lights LED STRIP.

87a: not used. cap the wire

30: Connects to 12vdc+ side of
battery (with inline fuse).

Tail Light Circuit

RELAY 2



view of bottom of relay
each pole is numbered

85: Frame ground.

86: 12vdc+ trigger wire INPUT
from truck's TAIL LIGHT aka
Running Lights.

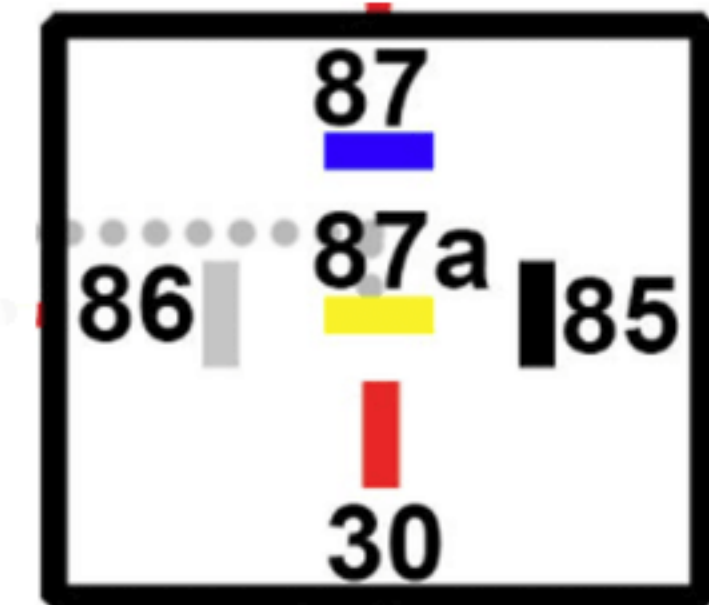
87: 12vdc+ OUT to Diode 1 on
BOTH the LEFT and RIGHT SIDE
Boogey Lights LED STRIPS

87a: not used. cap the wire

30: Connects to 12vdc+ side of
battery (with inline fuse).

Right Signal + Brake

RELAY 3



view of bottom of relay
each pole is numbered

85: Frame ground.

86: 12vdc+ trigger wire INPUT
from truck's RIGHT turn signal.

87: 12vdc+ OUT to Diodes 2 and
3 on the RIGHT SIDE Boogey
Lights LED STRIP.

87a: not used. cap the wire

30: Connects to 12vdc+ side of
battery (with inline fuse).

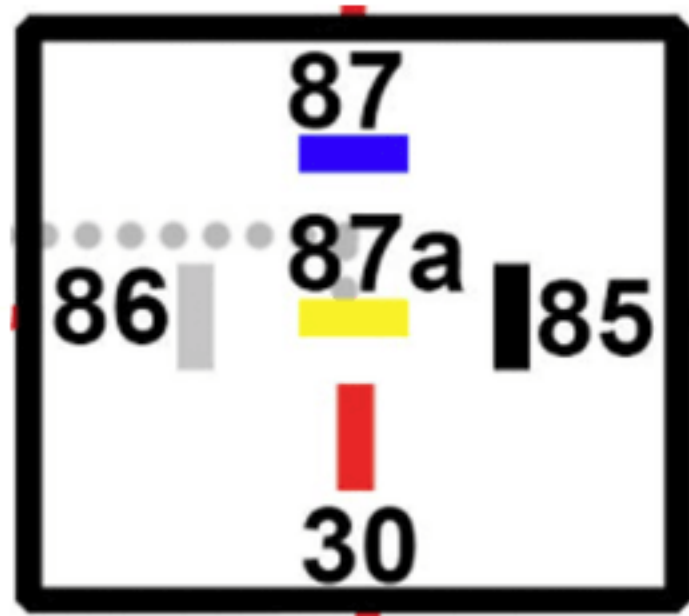


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TAIL-TURN-BRAKE RELAY WIRING

LEFT TURN SIGNAL

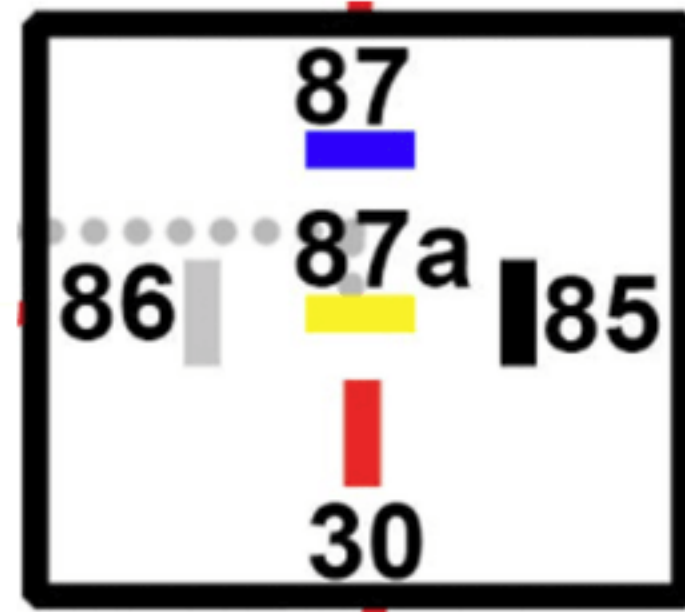
RELAY 1



view of bottom of relay
each pole is numbered

TAIL LIGHT

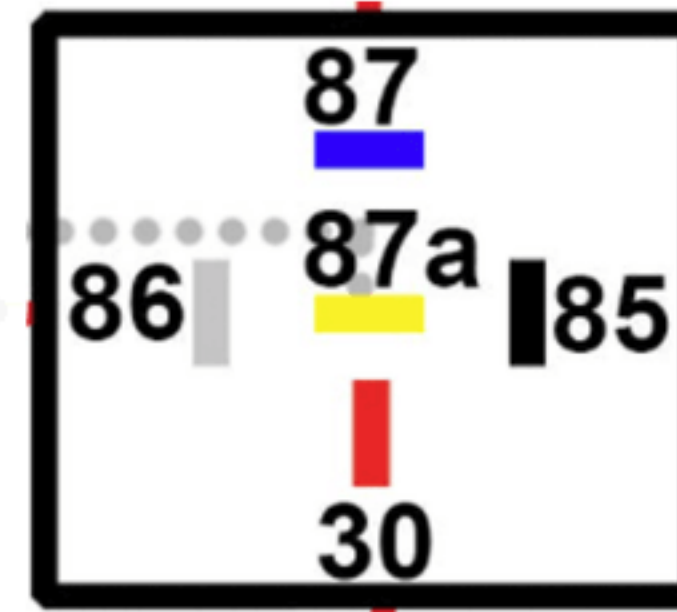
RELAY 2



view of bottom of relay
each pole is numbered

BRAKE LIGHT

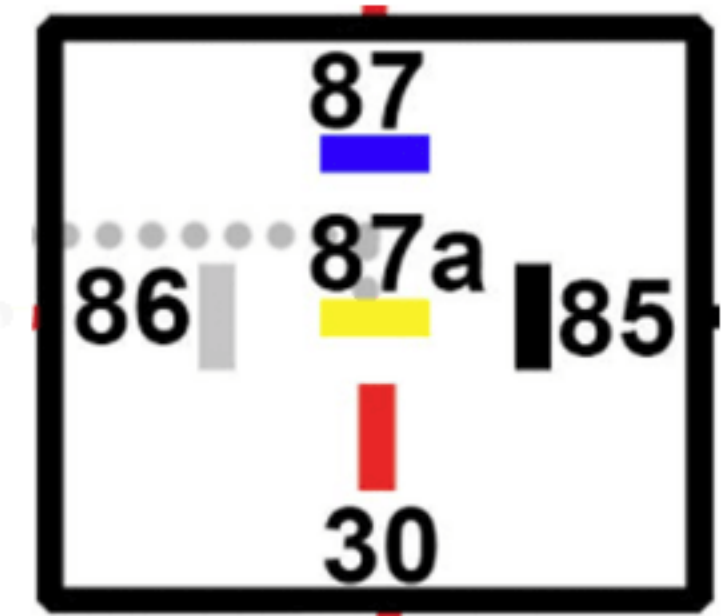
RELAY 3



view of bottom of relay
each pole is numbered

RIGHT TURN SIGNAL

RELAY 4



view of bottom of relay
each pole is numbered

85: Frame ground.

86: 12vdc+ trigger wire INPUT from truck's LEFT turn signal.

87: 12vdc+ OUT to Diode 2 on the LEFT SIDE Boogey Lights LED STRIP.

87a: not used. cap the wire

30: Connects to 12vdc+ side of battery (with inline fuse).

85: Frame ground.

86: 12vdc+ trigger wire INPUT from truck's TAIL LIGHT aka Running Lights.

87: 12vdc+ OUT to Diode 1 on BOTH the LEFT and RIGHT SIDE Boogey Lights LED STRIPS

87a: not used. cap the wire

30: Connects to 12vdc+ side of battery (with inline fuse).

85: Frame ground.

86: 12vdc+ trigger wire INPUT from truck's BRAKE LIGHT.

87: 12vdc+ OUT to Diode 3 on BOTH the LEFT and RIGHT SIDE Boogey Lights LED STRIPS

87a: not used. cap the wire

30: Connects to 12vdc+ side of battery (with inline fuse).

85: Frame ground.

86: 12vdc+ trigger wire INPUT from truck's RIGHT turn signal.

87: 12vdc+ OUT to Diode 2 on the RIGHT SIDE Boogey Lights LED STRIP.

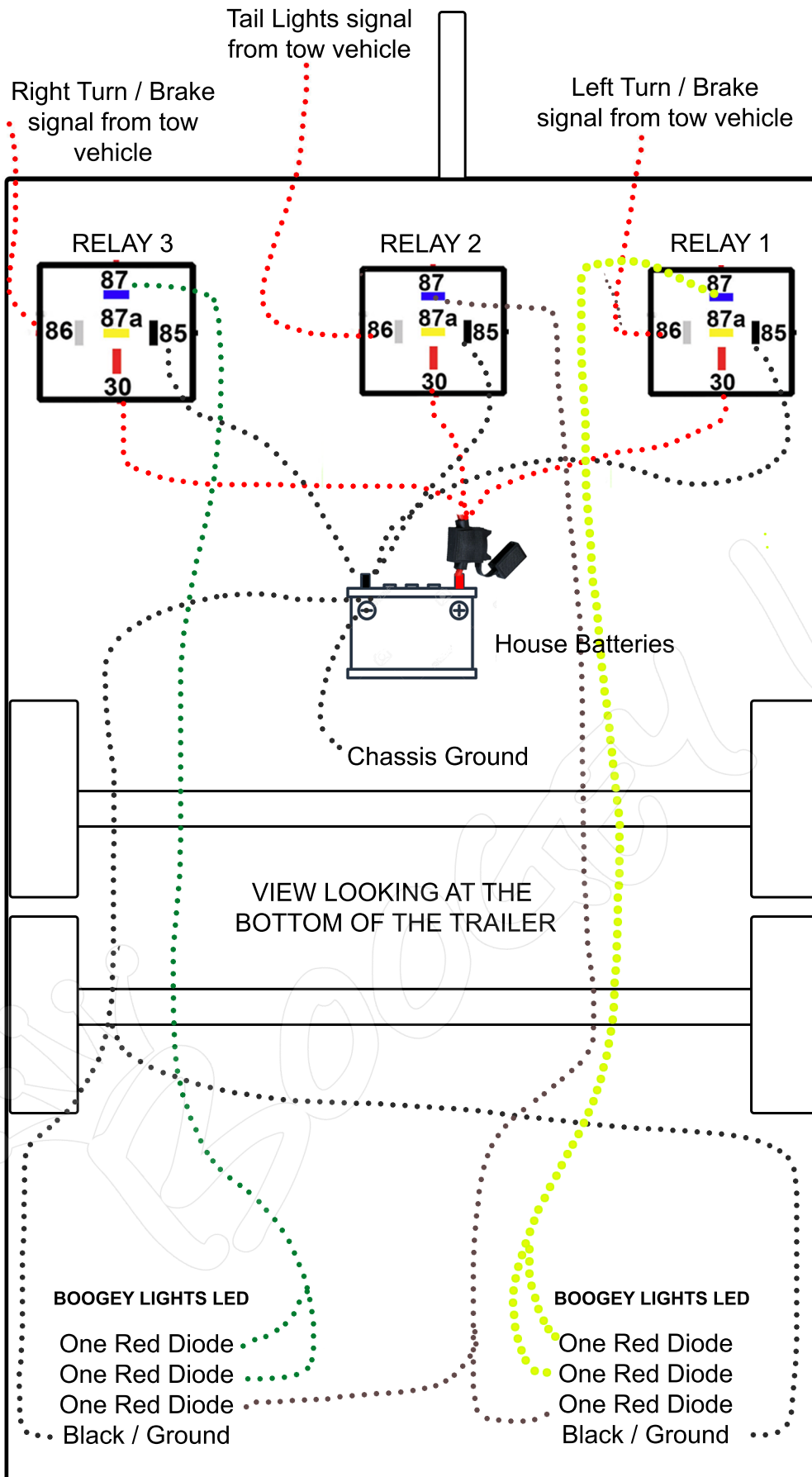
87a: not used. cap the wire

30: Connects to 12vdc+ side of battery (with inline fuse).



Family Owned Motorsports Lighting Since 1989!

Example wiring diagram using relays for Tail-Turn-Brake integration. Most commonly used for situations where the LCM in the tow vehicle is throwing an error OR if the voltage at the rear of the RV isn't sufficient to power the add-on lights.



NOTES:

1. Red (12v+) & Black (12v-) wires used between the Relays and Battery should be 12awg or heavier.
2. Use 18awg or heavier stranded wire elsewhere.
2. Diagram assumes the brake and turn signals share the same circuit.
3. Always fuse the 12vdc+ connection on the battery.
4. Relays are housed in same compartment as the house batteries.
5. Battery ground = chassis ground.



- 85:** Frame ground.
- 86:** 12vdc+ trigger wire INPUT from truck's LEFT turn signal.
- 87:** 12vdc+ OUT to Diodes 2 and 3 on the LEFT SIDE Boogie Lights LED STRIP.
- 87a:** not used. cap the wire
- 30:** Connects to 12vdc+ side of battery (with inline fuse).



- 85:** Frame ground.
- 86:** 12vdc+ trigger wire INPUT from truck's TAIL LIGHT aka Running Lights.
- 87:** 12vdc+ OUT to Diode 1 on BOTH the LEFT and RIGHT SIDE Boogie Lights LED STRIPS
- 87a:** not used. cap the wire
- 30:** Connects to 12vdc+ side of battery (with inline fuse).



- 85:** Frame ground.
- 86:** 12vdc+ trigger wire INPUT from truck's RIGHT turn signal.
- 87:** 12vdc+ OUT to Diodes 2 and 3 on the RIGHT SIDE Boogie Lights LED STRIP.
- 87a:** not used. cap the wire
- 30:** Connects to 12vdc+ side of battery (with inline fuse).