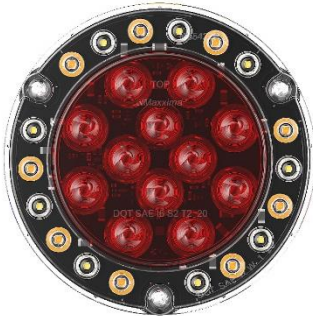




M85427R-YCL Installation Manual

Maxxima **M85427R-YCL** 5.5" Round Flange Mount, Combination Stop/Turn/Tail (STT), Backup, Flashing Warning, and Optional Amber Turn Signal.

- 1) 4" Round Red 12 LED Stop, Tail, and Optional Red Turn Signal. *All DOT FMVSS108 compliant.*
- 2) 9 LED White Back-Up Light. *DOT FMVSS108 compliant.*
- 3) Optional 9 LED Amber Turn Signal. *DOT FMVSS108 compliant.*
- 4) Flashing Warning Light: Single Color 9 LED or Dual-Color 18 LED. *SAE Class 1 Compliant*



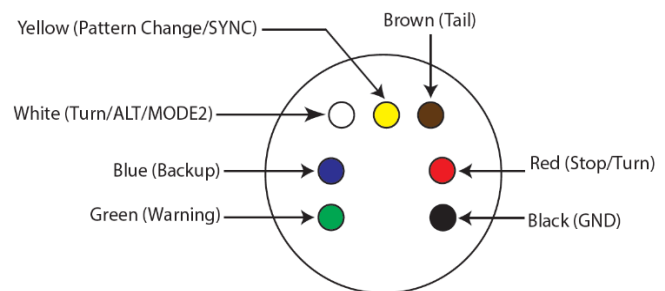
Specifications:

LEDs	30 (12 Red/9 White/9Amber)
Voltage	12.8VDC
Amp Draw	Tail 20mA, Back-Up 0.2A, Stop 0.2A, Amber Turn 0.1A, Warning 0.4A
Dimensions	5.5" Diameter x 0.5" Depth
Mounting	3 Hole Flange. Bolt circle diameter: 4.9"
Connector	9 Leads 18AWG Blunt Cut, 10.0"

IMPORTANT: Before starting the installation, it is recommended that the light is held in its desired mounting position temporarily to ensure that the desired location is suitable for placement. Ensure that proper clearance for the wires and hardware is achieved and that the lights LEDs are unobstructed.

Wiring Designations:

Black	Ground (-)
Brown	Tail (+VDC)
Blue	Back-up (+VDC)
Red	Stop & Turn (+VDC)
White	Optional Amber Turn (+VDC) Optional Warning 'Mode 2' (-GND)
Green	Flashing Warning (+VDC)
Yellow	Programming (+VDC) ~ 1 Second Next Flash Pattern ~ 3 – 5 Sec. Toggle Color (Single Color Pattern) ~ 7+ Sec. Reset to Pattern # 1

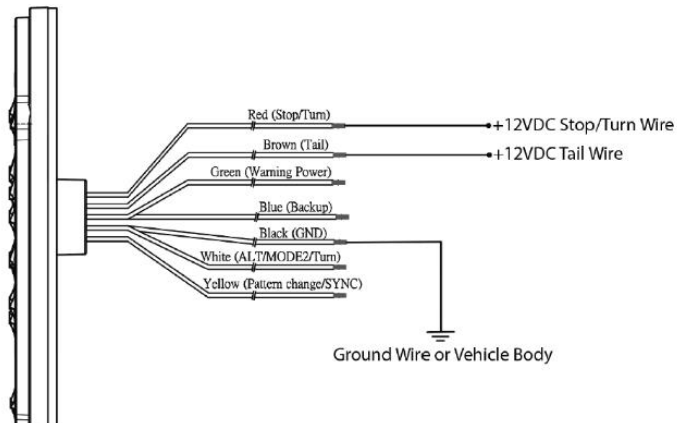


Wiring Instructions

First, determine if the vehicle has a *dedicated* turn signal wire or uses a *common* wire for both stop light and turn signal.

3-Wire Stop/Turn/Tail wiring (RED TURN SIGNAL)

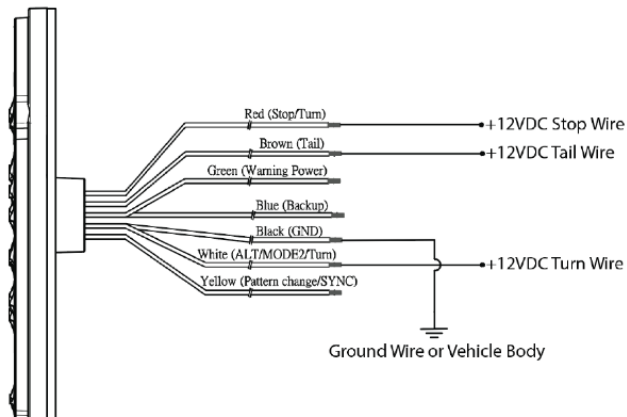
If vehicle uses a common wire for both stop light and turn signal, use the Red Turn Signal by connecting the Red Wire.



3-Wire STT Circuit

4-Wire Stop/Turn/Tail wiring (AMBER TURN SIGNAL)

If vehicle has a dedicated Left & Right Turn Signal wires, independent of the Stop Light, use the optional Amber Turn Signal by connecting the White Wire



4-Wire STT Circuit

Step 1 Connect **Black** wire to vehicle Ground (- Negative)

Step 2 Connect **Brown** wire to vehicle Tail Light (+12V)

Step 3 Connect **Red** wire to vehicle Stop Light (+12V)

Step 4 (Optional) Connect **White** wire to vehicle Left or Right Turn Signal (+12V)

Step 5 Connect **Blue** wire to vehicle Back-up Light (+12V)

Step 6 Connect **Green** wire "Flashing Warning Circuit" via a user-supplied switch (+12V)

Step 7 Program Warning to the desired pattern with **Yellow** wire.

While the Green wire is connected to +12V, Hold Yellow wire to +12V for 1 to 2 seconds to scroll to the next flash pattern (See Table 1). If on a Single-Color pattern, Hold Yellow wire for 3 to 5 sec to toggle to the alternate color (i.e. from Amber to White). To reset to Pattern # 1, Hold Yellow wire to +12V for 7+ seconds.

Pattern #	Description	Function	Yellow	White
0	Random	Dual Color		
1	Steady*	Single Color		
2	Single-Quick	Dual Color		
3	Single	Dual Color		
4	Double	Dual Color		
5	Steady-Double	Dual Color		
6	Quad	Dual Color		
7	Ultra	Dual Color		
8	Mega*	Dual Color		
9	Single-Quad	Dual Color		
10	Single H/L	Dual Color		
11	Single 2 (A/B)	Dual Color		SAE Class 3
12	Double 2 (A/B)	Dual Color		SAE Class 3
13	Quad 2 (A/B)	Dual Color		SAE Class 3
14	Quint	Dual Color		
15	Mega-Separated ¹	Dual Color		
16	Single Pulse ¹	Dual Color		
17	Single-Quick	Single Color		
18	Single	Single Color	SAE Class 1	SAE Class 3
19	Double	Single Color	SAE Class 1	SAE Class 3
20	Triple	Single Color	SAE Class 1	SAE Class 3
21	Quad	Single Color	SAE Class 1	SAE Class 3
22	Ultra	Single Color	SAE Class 2	
23	Quint	Single Color	SAE Class 1	SAE Class 3
24	Mega*	Single Color		
25	Single-Quad	Single Color		
26	Single H/L	Single Color		
27	Single Pulse*	Single Color		
28	Double Pulse*	Single Color		

Notes: * = No alternate function available

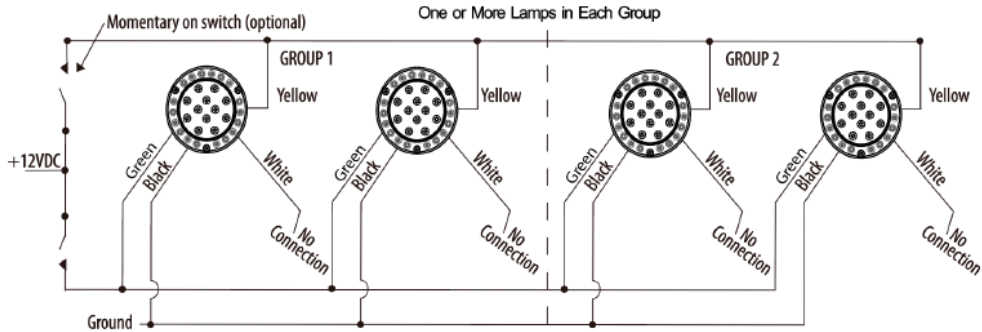
¹ = Alternate between colors

TABLE 1: 28 Flash Patterns

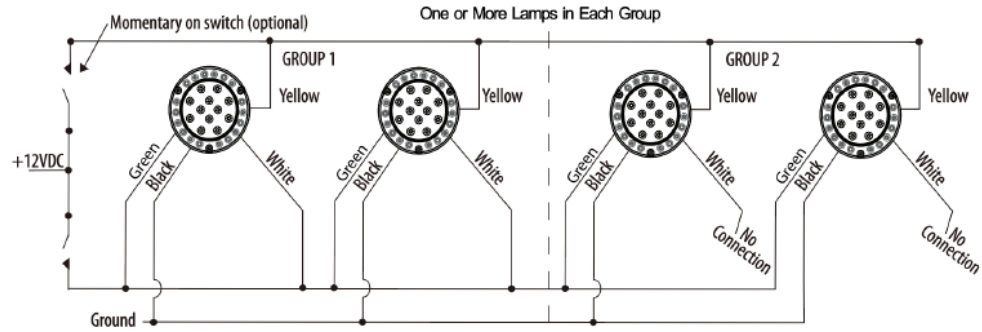
Wiring Instructions (continued)

Step 8 “Simultaneous Flash” – or – “Alternate Flash”

Warning Wiring Instructions (Simultaneous Flash)



Warning Wiring Instructions (Alternate Flash)



Group 1 will flash the set pattern alternatively with Group 2.

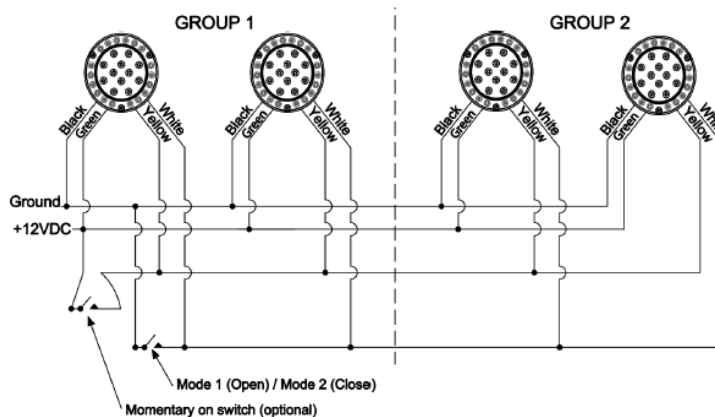
To flash all lamps synchronously, join all yellow wires together. This allows the lights to communicate with each other.

To use alternate or “wig-wag” flash, identify lamps in “Group 1” and “Group 2”; Connect White wires in “Group 1” to +12V.

NOTE: Optional Amber Turn Signal is disabled when Flashing Warning light is on.

NOTE: Activating the Back-up will disable the Warning light.

Step 9 (Optional) To use the optional “Mode 2” Flashing Warning pattern, a DPDT (double-pole, double-throw) switch is required. See below diagram.





To access Secondary Mode, or second flash pattern, Connect Green to +12V and White to (-)Ground. While in Mode 2, use Yellow wire (+12V) to program the desired flash pattern (step 7).

Mode 1: Leave the switch open and select your first pattern.

Mode 2: Close the switch and select your second flash pattern.

You can toggle between the two selected flash patterns by changing the switch position.

* A DPDT(double-pole, double-throw) switch is needed if you plan on using an alternate mode of operation in Primary mode (Mode 1). Connect Group 2 separately to the other pole switch (common side). The switch other 2 sides should be +12V (alt) and Ground (Mode 2).

For single color patterns:

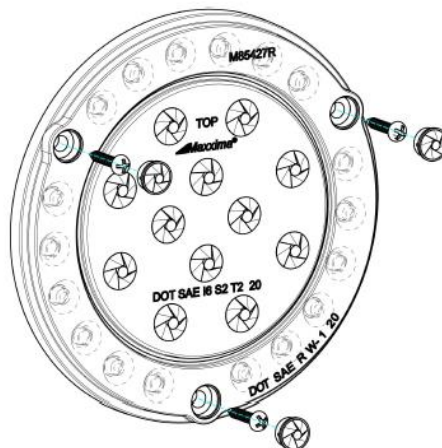
Connect Yellow wires to +12VDC (Green wire) for 3 to 5 seconds to change the color.

Mounting Instructions:

The light comes with 3 mounting screws and 3 mounting screw covers.

Utilizing the proper tools, secure the light with the 3 screws into place. Before tightening the screws fully, ensure that the light is mounted with the 'TOP' indicator at the top of the light. Once the proper alignment is achieved, fully tighten the 3 screws. Use caution when tightening these mounting screws as over-tightening may break the lamp. With the screws tightened, press the mounting screw covers onto the screw holes.

Warning: The plastic screw cover inserts are provided to make this lamp "tamper-resistant". They cannot be removed once they are inserted. Do not insert them until the lamp is installed on the vehicle and operation of the lamp is completely verified.



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