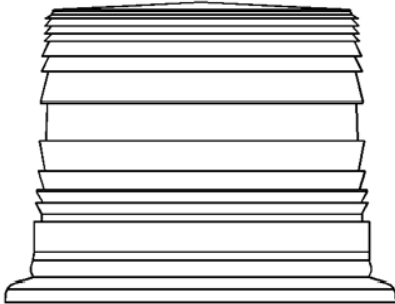
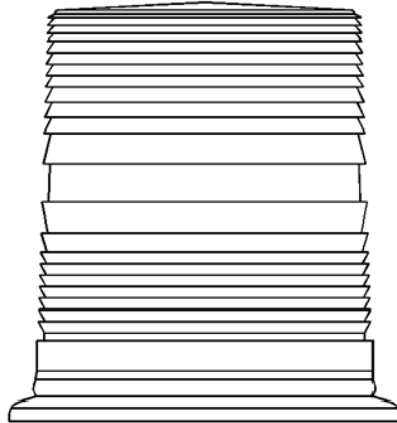


INSTALLATION AND INSTRUCTION MANUAL



255TS
257TS/257TSG/257TS-2W
257HTS



255TC / 255HTC
257TC/257TCG/257TC-2W
257HTC

SAEJ1318 Class II : 255TS, 255TC, 257TS, 257TC (Quadflash Mode)
255HTC (Red)
SAEJ1318 Class I : 255HTC (Amber/Blue/Clear)

Please Note: These instructions are provided as a general guideline only. ***Some vehicles may require special mounting, wiring, and/or weather-sealing. This is the sole responsibility of the installer.*** Star Headlight & Lantern Co., Inc. assumes no responsibility for the integrity of the installation for this or any of its products.

PARTS

Model	VDC	Strobe Tube	Circuit	Dome	Cig Plug
255TS	12-48	129	181-T-DQ	297TS-*	N/A
255TSM	12	129	181-T-DQ	297TS-*	176-SW
255TC	12-48	129	181-T-DQ	295TC-*	N/A
255TCM	12	129	181-T-DQ	295TC-*	176-SW
255HTC	12-24	129	181-HT-DQ	295TC-*	N/A
255HTCM	12	129	181-HT-DQ	295TC-*	176-SW
257TS	12-48	129	181-T-DQ	297TS-*	N/A
257TSM	12	129	181-T-DQ	297TS-*	176-SW
257TC	12-48	129	181-T-DQ	295TC-*	N/A
257TCM	12	129	181-T-DQ	295TC-*	176-SW
257TSG	12-24	129	181-Q7-12	297TS-*	N/A
257TCG	12-24	129	181-Q7-12	295TC-*	N/A
257TS-2W	12-24	129	181-Q7-12	297TS-*	N/A
257TC-2W	12-24	129	181-Q7-12	295TC-*	N/A
257HTC	12-24	129	181-HT-DQ	295TC-*	N/A
257HTS	12-24	129	181-HT-DQ	297TS-*	N/A

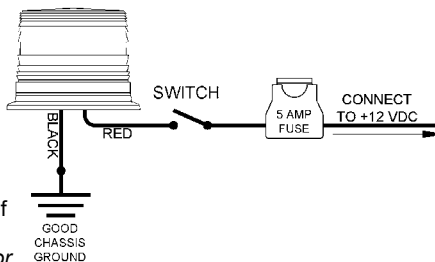
Mounting

1. Your [light](#) comes complete with one foam mounting gasket (not included with the 257TSG and 257TCG), one wire grommet, two wire splicing terminals (only one with the 257TSG and 257TCG), three mounting screws, three lock washers, and three hex nuts.
2. These warning lights come equipped with a combination base, allowing the light to be mounted on either a 1" NPT conduit pipe or permanently mounted. For NPT pipe, mount the light using the threaded entrance hole in the base of the light, and then skip to the Electrical Connections below. For the permanent mount, proceed to Step 3.
3. Before installing this light onto a flat surface, it is recommended that you seal up the pipe mount hole with a small amount of RTV. This will help prevent water damage.
4. Using the base as a template, mark three holes (on a 2.975" radius) on the mounting surface.
5. Remove the base and drill a 7/32" hole in the marked spots.
CAUTION: Take care not to drill through the headliner of the vehicle below.
6. **If your wires will not be routed through the mounting surface skip to Step 8.** If you are routing your wires through the mounting surface, drill a 3/8" hole in the center for the wires.
7. Remove the headliner from the inside of the vehicle, if applicable. Insert the enclosed rubber wire grommet into the center hole and route the wires through the grommet.
8. Align the outer holes of the base with the holes in the mounting surface, install the screws and nuts, and tighten until snug. **If you are installing the self-grounding 257TSG or 257TCG, be sure to scrape away the paint under the head of one of the screws so that a good electrical connection is made.**

Electrical Connections

CAUTION: All of our DC powered warning lights are polarity sensitive. These lights are polarity protected *only if the appropriate fuse* is used. All wires connected to the positive terminal of the battery should be fused at the battery for their rated load. **Testing the light before this fuse is properly installed will void the warranty on the light.**

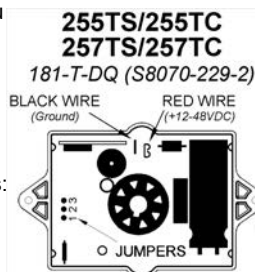
1. Connect the black wire to a good chassis ground.
(Please note: The 257 series is self-grounding and the black wire is connected to the base. Be sure to scrape away the paint under the head of one of the mounting screws so that a good electrical connection is made.)
2. Connect the red wire to the positive side of your power source through a switch and a 5 Amp fuse. *Be sure to check your light for proper voltage.*



255TS/255TC and 257TS/257TC Pattern Programming

Prior to shipping these models are set for quadflash mode. You can use an internal jumper on the circuit to change the flash pattern to singleflash or doubleflash, if desired.

1. Remove the jumper from pins 2 and 3 and briefly touch it to pins 1 and 2 (about 1 second) and release it. The flash pattern will advance to the next pattern.
2. Repeat touching and releasing to scroll through the patterns:
Singleflash → Doubleflash → Quadflash
3. Place the jumper back on pins 2 and 3 when the desired pattern is set.



257TSG/257TCG and 257TS-2W/257TC-2W Series Programming Options

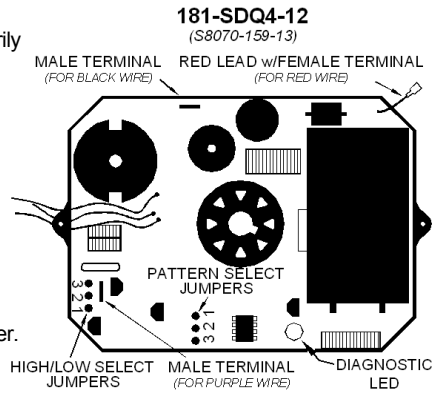
Pattern Select

1. Remove the jumper from pins 1 & 2, momentarily place it over pins 2 & 3, then remove it. The pattern should advance to the next.
2. Touch and release the jumper to pins 2 & 3 to cycle through the patterns:
Singleflash → Doubleflash → Quadflash
3. Once you have selected a pattern, replace the jumper on pins 1 & 2.

High/Low Select

Use the High/Low Select Jumper to switch the operation of the light between Low and High Power.

- High Power** = Jumper on Pins 1 & 2
Low Power = Jumper on Pins 2 & 3



255HTC, 257HTC, and 257HTS Features

Pattern Select

Use the Pattern Select Jumper to switch the operation of the light between doubleflash or Quadflash.

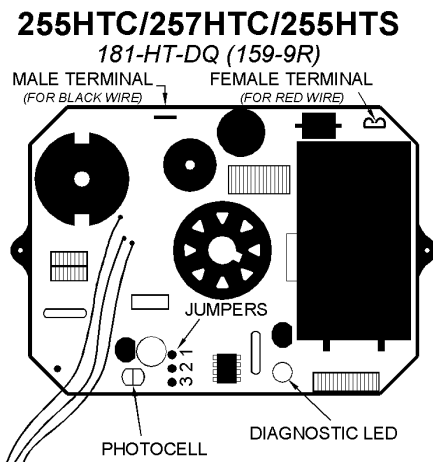
- Quadflash** = Jumper on Pins 1 & 2
Doubleflash = Jumper on Pins 2 & 3

Diagnostic LED

The LED indicator is designed to flash when the strobe tube should be flashing. If a strobe light is not working when power is applied to it, but the LED is flashing, you have a bad strobe tube. If the LED is not flashing, the circuit is either not receiving the proper voltage, or the circuit has failed.

Photocell

There is a built-in photocell which will automatically switch the light to low power during "night" (or low light) conditions when such a high intensity is not required.



Magnet Mount Lights

WARNING!!!! Care should be taken when positioning any warning light on the roof, dash, or instrument panel of the vehicle, so that the light and/or cord does not interfere with the proper operation of any airbags! Failure to heed this warning may result in serious or fatal injury.

*If you are mounting the light on the roof of your vehicle, take extreme care to ensure that the magnet is firmly seated on your roof, and that the pull of the magnet is sufficient to secure the light in place. As the composition of the metal in the roofs of different vehicles may vary, as well as the contour, texture and/or condition, Star cannot guarantee the ability of the light to remain in place upon a moving vehicle. **It is the sole responsibility of the owner to ensure the warning light is secure.***

- **CAUTION:** Please be sure to check that your cigarette plug outlet is properly fused. ***Testing the light before this fuse is properly installed will void the warranty on the light.***
- Once the light is secured, route your cord such that it does not interfere with the vision of the driver or the operation of any controls, including, but not limited to, the steering wheel, gear shifter, and/or airbag.
- This light has been factory tested and approved. If the light fails to work when the plug is inserted into the cigarette plug socket, twist the plug a few times to remove any ash or other deposits which might be preventing a good contact from being made. If the problem persists, check for a fuse inside of the plug itself. If present, remove the fuse from the circuit, check to see if it has blown, and clean the lighter socket and contact surfaces. Reconnect the fuse and test the light again.