

STAR 2007® SERIES TRAINMAN'S LANTERNS

2007-LED, 2007-PR12, 2007-PR13, 2007-HPR40, 2007-HPR50

Please read all of the following instructions before operating your new Star 2007® Series Trainman's Lanterns.

CAUTION: The 2007-LED lantern can not be used with a rechargeable battery!

The new Star 2007® Lantern incorporates a number of improvements over the modern day Trainman's Lanterns currently available in the industry. Specifically, these changes include a new lens and reflector assembly to fully protect the spot and signal lamps, 6 LED signal bulbs that illuminate the entire lantern head, a fully protected, three-position rocker switch, and a new highly visible case color.

- The modifications and updates to the lens and reflector assembly of the Star 2007® have greatly improved the optics capabilities of the Trainmen Lantern, making the lantern much brighter and providing better light dispersion patterns. In addition, the new advanced design will minimize downtime when changing bulbs. The design of the Star 2007® permits a bulb to be changed in less than 20 seconds, with no tools necessary (the Star 2007®-LED model should NEVER need a bulb replaced).
- The signal bulbs used in the Star 2007® are LEDs. One benefit of the use of this technology for signaling is a 75% decrease in current draw compared to the incandescent bulb, thus extending the life of your battery. Another benefit of LED technology is the brilliant white light produced which is visible for quite a distance. Finally, the LED will provide 100,000 hours or 11 years of life.
- The new three-position rocker switch used on the Star 2007® is much easier to use than the previous slide switch. In addition, there are two switching modes that can be selected via an internal jumper:

Spot Only ----- Off ----- Signal Only

or

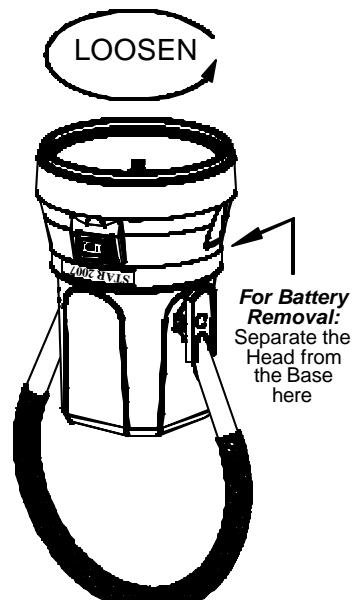
Spot Only ----- Off ----- Spot and Signal

Battery Replacement

1. The 2007-LED, 2007-PR13, and 2007-HPR50 use a standard 6-volt spring terminal battery available from Star (Part #8100). The 2007-PR12 and 2007-HPR40 use a rechargeable 6-volt spring terminal battery (Part #8100RC).

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2. To remove the battery, hold the lantern firmly in one hand with the handle facing downward and the head (where the bulbs are) facing upward as shown in the diagram to the right.
3. Using the other hand, unscrew the head in a counterclockwise motion and lift it straight off. Remove the battery and replace it.
4. Reinstall the head.



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Bulb Replacement

1. Use of the wrong bulbs in the Star 2007® may result in reduced bulb performance, damage to the bulb, and/or damage to the lantern itself. To maximize bulb and battery life Star recommends use of the following bulbs: 2073-PR1W-W, 2073-PR13 or 2073-HPR50 with standard batteries and 2073-PR12 or 2073-HPR40 with rechargeable batteries.

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2. Hold the lantern firmly in one hand with the handle facing downward and the head facing upward.
3. Turn the Lens Cover approximately ¼ turn counterclockwise and lift it straight off, exposing the reflector and bulb. Lift the reflector off the bulb.
4. Remove the bulb by gently lifting it straight out of the spring holder. **CAUTION:** Do not tug at the bulb!!! If it does not easily lift straight out of the spring holder, carefully turn the bulb in a clockwise motion while pulling up. Reinstall the replacement bulb by setting it inside the spring holder.
5. Reinstall the Lens Cover by aligning both the bulb with the hole in the reflector and by aligning the latch nibs on the Lens Cover with the slots on the surface of the base. Complete the installation by turning the Lens Cover approximately ¼ turn clockwise to lock it securely in place. You will feel and hear it snap into position.

6. The signaling lights utilize LED technology and should never need replacing.

Jumper Setting

1. The Star 2007® comes with an internal jumper that allows you to select how you would like your 3-position switch to operate. The two modes are:

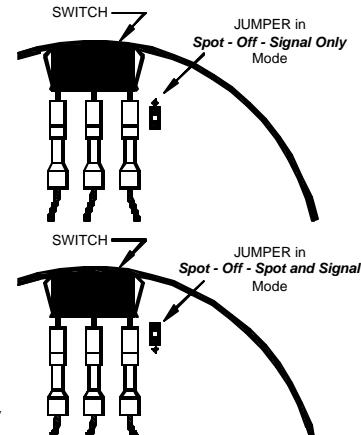
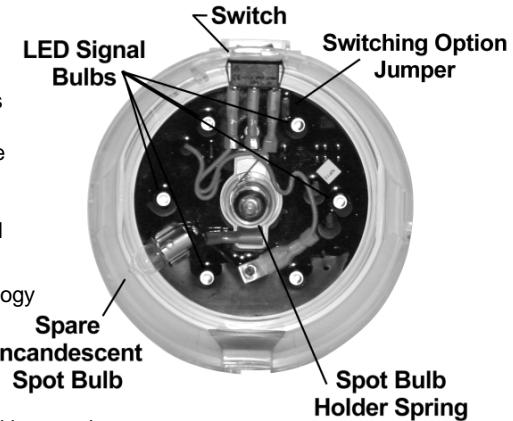
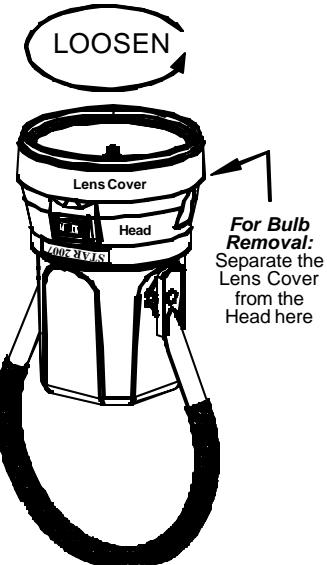
Spot -- Off -- Signal Only (DEFAULT MODE)
Spot -- Off -- Spot and Signal

2. To change your light to the

Spot -- Off -- Spot and Signal

mode, remove the lens cover as indicated above, and move the jumper from the inner two pins to the outer two pins (see the diagram to the right).

3. Once you have changed the jumper setting, you may replace the lens cover.



If you have any questions concerning this or any other Star product, please contact our Customer Service Department at (585) 226-6978.