

# 69502S Smart Light™ Instructions

## Installation

1. Disconnect trailer wiring from the tow vehicle.
2. Remove the existing lamp assembly (if present) or locate a suitable mounting location on the back, driver side of the trailer.
3. Mount the Smart Light™ to existing mounting location. If holes are needed, drill two ¼ inch holes on 2 inch centers. Secure the lamp housing using the included lock washers and nuts.
4. Attach the Smart Light™ red wire to the stop/turn signal circuit on the trailer. This is typically the yellow wire on the driver side. Attach the Smart Light™ black wire to the tail light circuit. This is typically the brown wire. Clean and remove paint or rust from mounting location. Secure the Smart Light™ white ground wire to this clean location on the trailer.
5. Reconnect the trailer wiring to the tow vehicle. Test for proper function.

**NOTE:** Wire color coding is not standard with all trailer manufacturers. Identify wires by function.

## Test Feature

1. Turn on the left turn signal. The “S” test light and main bulb should be flashing. Turn function off.
2. Turn on the tail lights. The “T” test light, main bulb and side marker light should be illuminated. Turn function off.
3. If a test light is functioning but the main bulb or side marker light is not illuminated replace the bulb or remove corrosion.
4. If no functions illuminate and the “G” test light is flashing, then the housing is not properly grounded. Clean the mounting holes and check the wire ground to verify that it is free of rust, corrosion or paint.
5. If no test lights illuminate with the function on, check the trailer wires feeding the Smart Light™. If no power is present at the back of the trailer, verify that the towing vehicle is providing power to the trailer. If the tow vehicle is not feeding power back to the trailer, check vehicle fuses or see your vehicle dealer. If power is feeding to the trailer from the towing vehicle, check the trailer wiring for faults.



**NOTE:** For optimal Smart Light™ testing accuracy, use any Hopkins Towing Solutions LED Test or Easy-Pull™ LED Test 4 flat trailer side connector or adapter.

## Bulb Replacement

### Stop/Turn/Tail Light (1157 Bulb)

1. Remove the 4 Phillips head screws from the lens cover. Set lens in a safe location.
2. Remove the bulb by pressing in and turning ¼ turn.
3. Install the new bulb and replace the lens cover. Make sure the gasket is properly installed to prevent water intrusion.

### Side Marker Light (193 Bulb)

1. Remove the 2 Phillips head screws from the small lens on the side of the Smart Light™. Set lens in a safe location.
2. Remove the bulb by pulling on just the bulb, away from the housing body. Be careful not to crush the bulb.
3. Install the new bulb and replace the lens cover. Make sure the gasket is properly installed to prevent water intrusion.

**NOTE:** Periodically apply grease to the light bulb assembly and Smart Light™ connector to prevent corrosion.

## Questions?

Call 800-835-0129

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