

69601SK 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 the 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. Remove the existing lamp assembly (if present) or locate a suitable mounting location on the back, passenger side of the trailer.
6. Mount the Smart Light™ to the desired 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.
7. Attach the Smart Light™ red wire to the stop/turn signal circuit on the trailer. This is typically the green wire on the passenger 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 a small location on the bracket. Secure the Smart Light™ white ground wire to this clean location on the trailer.
8. Attach the LED test 4 flat adapter to the trailer wiring by connecting to the trailer connector.
9. Connect the 4 flat adapter 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 “LT” and “G” on the 4 flat adapter will blink red with the truck left turn signal. The “S” test light and main bulb should be flashing on the 4 flat adapter. Turn function off.
2. Turn on the right turn signal. The “RT” and “G” on the 4 flat adapter will blink red with the truck right turn signal. The “S” test light and main bulb should be flashing on the Smart Light™. Turn function off.
3. Turn on the tail lights. The “TM” and “G” on the 4 flat adapter should be illuminated red. The “T” test light, main bulb and side marker light should be illuminated. Turn function off.
4. If a test light is functioning but the main bulb or side marker light is not illuminated replace the bulb or remove corrosion.
5. If the “G” is flashing yellow on the 4 flat adapter, the adapter is sensing a poor ground on the trailer. Trace from the harness to the ground on the trailer. Fix any broke wires and remove rust and corrosion from the grounding location.
6. If no functions illuminate and the “G” test light is flashing red on the Smart Light™, then the light 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.
7. If no test lights illuminate with a function on, check the 4 flat adapter to verify power is feeding from the tow vehicle. If the tow vehicle is not feeding power back to the trailer check vehicle fuses or see your vehicle dealer. If the 4 flat adapter indicates power is feeding to the trailer from the towing vehicles, check the trailer wiring for faults.

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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