

Post Mount Spotlight Instruction Manual

Post Mount Light Installation*

*For the general installation of most [Post Mount Spotlights](#), many vehicles may need slight modifications to these instructions.

You will need the following tools:

- High-torque electric drill
- Long-shaft ½" drill bit
- Misc. other drill bits
- Dremel tool
- Socket wrenches
- Screwdrivers
- Allen wrenches
- Misc. electrical connectors, cable ties, etc.
- Masking tape
- Touch-up paint
- Installation Kit Contents (pictured to the right)



Installation kit

INSTALLATION PROCEDURE

- 1) For safety reasons, disconnect the battery cable from the negative terminal.
- 2) Remove the control handle from the spotlight shaft. Use a 7/16" nut driver to back off the bolt and push the key out.



Step 2

3) Position the mounting template and mark the drill spots with a pencil or marker.



Step 3

4) Remove the Driver's side handle and A-pillar panel.



Step 4

5) Remove any brackets, cables, or straps the vehicle may have in the area you will be working on.



Step 5a



Step 5b

6) Drill the two holes previously marked with the mounting template



Step 6

7) Mount the gasket and bracket to the outside of the pillar.



Step 7a



Step 7b

8) Place the drill alignment sleeve (found in the installation kit) in the outside of the bracket, tighten with the flathead tensioning screw and use it as a guide to carefully drill through the vehicle mount and pillar.



Step 8

9) Continue to drill until the drill bit emerges from the other side of the pillar.



Step 9

10) Temporarily replace the A-pillar panel so that the drill bit touches its back and make a small groove through the back of the panel so that it can act like a template for drilling through the A-pillar panel.



Step 10

11) A clean hole must now be placed where the groove from step 10 is marked. Use a combination of drill bits and a Dremel tool to shape a clean hole that will accommodate the handle shaft of the post mount spotlight.



Step 11

12) Remove the drill bit and alignment sleeve and insert the spotlight shaft from the outside of the vehicle all the way until the swivel base meets the mounting bracket. Then secure the spotlight within the mounting bracket with the tensioning side screw.



Step 12 - Outside View



Step 12 - Inside View

13) Replace any brackets, cords, or straps relocated during installation.



Step 13

14) Replace the A-pillar panel over the shaft.



Step 14

15) Slide the rubber filler gasket on the handle shaft all the way to the interior A-pillar cover then slip the retaining ring into position and secure with an Allen wrench.



Step 15

16) Replace the grab handle and reinstall the control handle by gently sliding it onto the handle shaft and rotating it until you feel the shaft's notch line up with the inside of the control handle.



Step 16

17) Drill a 7/16" hole into the plastic interior A-pillar cover next to the spotlight shaft that will accommodate the supplied rubber grommet and feed the spotlight's power cable through it.



Step 17

Congratulations on the successful installation of your post mount spotlight! Once installed, various adjustments can be made to the head of the spotlight, the spotlight's free travel friction, and the general position using only an Allen wrench.



Adjustments can be made according to your preferences and the vehicle's layout.



ELECTRICAL TROUBLESHOOTING

If the spotlight does not turn on, first ensure that all steps of the installation procedure were properly and successfully followed. Then continue to the following steps.

- A) Assure proper connection by loosening the tensioning screw, pushing the handle assembly forward, and re-tightening the tensioning screw.
- B) Check the fuse and replace if necessary. If the fuse is good or the light still does not work, continue to the next step.
- C) Disconnect lead wire from the power source and then removed the handle assembly. **Always keep lead wire disconnected from power during removal and installation of handle assembly.** Test the light by applying 12 V DC power to the rod contact. (Fig.1)
- D) If the light works:
 - i) Check the 1" dimension of the exposed intermediate tube (Fig. 1). If it measures at least 1", replace the handle assembly with a new one, and then install the new handle assembly. If it measures less than 1", continue to the next step.
 - ii) Reposition the outer tube. Loosen the set screw on the bracket and set screw A (Fig. 2) on the head housing. Remove spotlight assembly and outer tube. Seat outer tube into head housing. Then reinstall and test spotlight. If light does not work, replace the handle assembly with a new one.
- E) If the light does not work:
 - i) Check the bulb. Open the spotlight head (Fig. 3), disconnect bulb wires, and apply 12 V DC power to check the bulb. If it works, replace the spotlight shaft assembly with a new one. If it doesn't, go to the next step.
 - ii) Replace bulb and test it by applying 12 V DC power to the rod contact. If light still does not work, replace the spotlight shaft assembly with a new one. If it works, check the 1" dimension of the exposed intermediate tube. If it measures less than 1", go to step D.ii above. If it measures at least 1", reinstall the handle assembly and test light. If it still does not work, replace the handle assembly with a new one.

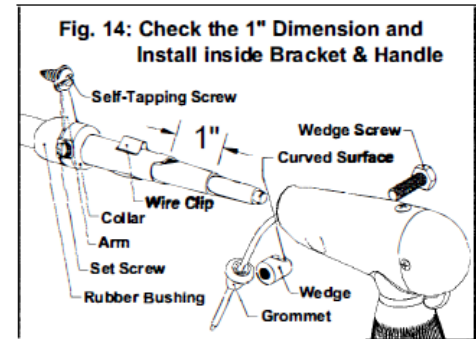


Fig. 1

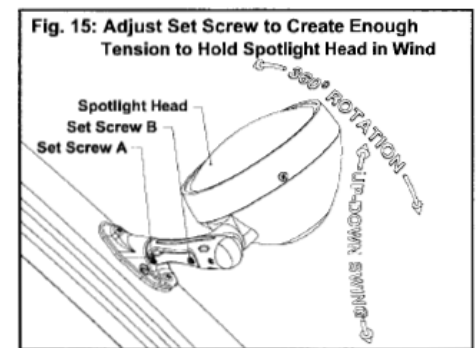


Fig. 2

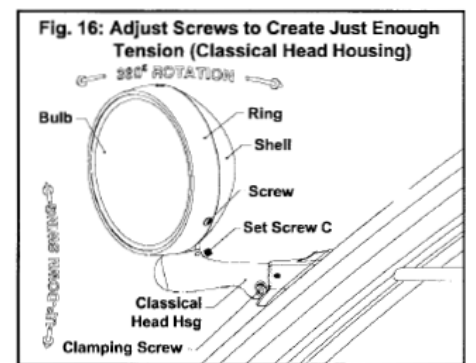


Fig. 3

MECHANICAL TROUBLESHOOTING

If it is hard to turn the handle grip to turn the spotlight head 360° smoothly in each direction:

- A) Adjust set screw B (Fig. 2) and make sure it is not over-tightened. If it is still hard to turn after proper adjustment, go to step B below.
- B) Disconnect lead wire from power source. Remove the handle assembly and rotate the handle grip 360° in each direction. If the rotation is not smooth, replace the handle assembly with a new one. If it is smooth, replace the spotlight shaft assembly with a new one.

If it is hard to move the handle assembly to swing the spotlight head up and down the shaft axis smoothly:

- A) Make proper adjustment to set screw A (Fig. 2). If the movement still isn't smooth, go to step B below.
- B) Disconnect lead wire from power source. Remove the handle assembly, loosen set screw A, pull out the spotlight (do not remove the outer tube), clean dirt from the intermediate tube using penetrating oil, apply lubricant evenly on the intermediate tube, and then install the spotlight.

NOTE ON CLASSICAL HEAD HOUSING

If your spotlight has the classical head housing (Fig. 3), the clamping screw and set screw C have the same functions as set screw A and set screw B (Fig. 2). They can be used to adjust the tension for up-down movement and 360° rotation, respectively.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

These Post Mount Spotlights are designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.