



SoundOff Water Intrusion

Parts Update #17-07



SoundOff Lighting – Side Directional

Recently we have seen an uptick in customer complaints of water intrusion. Working with SoundOff, we learned that they had been following the issue and working to figure the cause and some corrective action.

The design of these lights and water intrusion is dependent on proper screw torque as was previously mentioned in Tech Tip #15-0106 for the 7” round lights.

SoundOff has however done testing and determined that **“Current design has highest stress points at the weld joints between the base and the lens, which is increased as torque is applied to the installation screw. Cracks result from torque on installation screws and are a path for water to enter the light.”**

ALL of our Service Updates can be found on the [New York Bus Sales website](#)
Or at the [New York Head Mechanic website](#)

Testing was done and their engineering designed a solution where the **“Redesign the lens/base interface to prevent the screw from increasing the stress at the welds by creating a step in the lens for the screw to seat on. Add ribbing to back of light to make the base more rigid to reduce flex during installation.”**

When doing the testing and comparing the new design to the previous design they found the current light had failures below 18 in/lbs of torque where the new design had “ZERO” failures through 54 in/lbs of torque.

Below in FIGURE#1 you can see the current design where the screw holding the light would contact the light backing and cause the lens to pull away from the back and cause water intrusion.

FIGURE#2 shows the redesign where the screw actually seats on the lens and added “ribbing” on the backing plate at the screw holes to address screw torque.



FIGURE #1

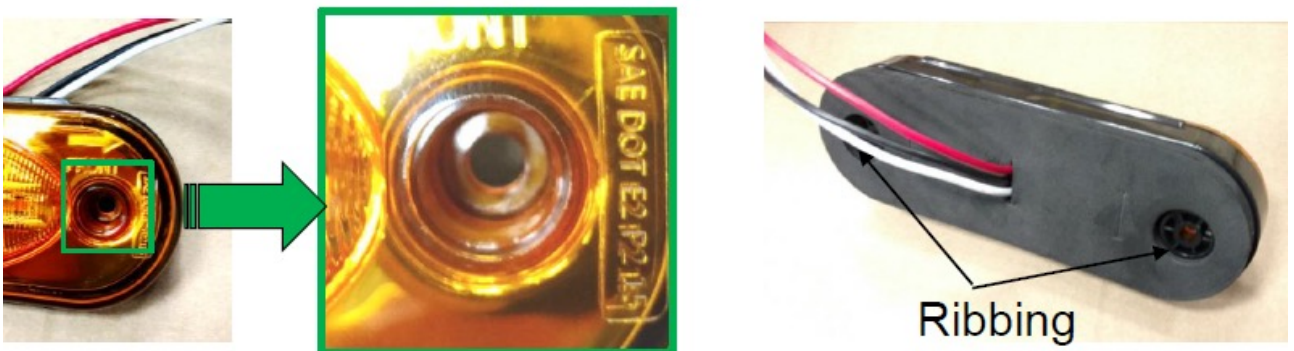


FIGURE #2

ALL of our Service Updates can be found on the [New York Bus Sales website](#)
Or at the [New York Head Mechanic website](#)

New York Bus Sales is currently working to purge their inventory and put ALL “new design” lights in stock!

PART #10044499

PLEASE NOTE – SoundOff is currently in the process of redesigning their 7” round light “FAMILY” (Warning, Stop, B/U and Turn Signal) and we are told that the new design will be available this fall!

ALL of our Service Updates can be found on the [New York Bus Sales website](#)
Or at the [New York Head Mechanic website](#)



CONTACT OUR PARTS DEPARTMENT WITH ANY QUESTIONS

Director of Parts

Jim Hogan

jhogan@newyorkbussales.com

607-227-5794

Chittenango: 800-962-5768

Gari McQuade

gmcquade@newyorkbussales.com

Bill Cox

bcox@newyorkbussales.com

John Lewin

jlewin@newyorkbussales.com

Dave Grant

dgrant@newyorkbussales.com

Albany: 866-867-1100

Sean Conway

sconway@newyorkbussales.com

Pat Murphy

pmurphy@newyorkbussales.com

Rochester: 800-463-3232

Dave Cook

dcook@newyorkbussales.com

Steve Hibbard

shibbard@newyorkbussales.com

ALL of our Service Updates can be found on the [New York Bus Sales website](#)
Or at the [New York Head Mechanic website](#)

