

REVISION HISTORY				
REV.	DESCRIPTION	ER NUMBER	DATE	APPROVAL
1.0	INITIAL RELEASE	ER-48662	08/27/20	A.LETSO

SERIES 90/100 PUSHBUTTON LED LIGHT SOURCE ASSEMBLY REPLACEMENT INSTRUCTIONS

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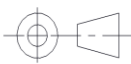
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THIRD ANGLE PROJECTION



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES		
DECIMALS	ANGLES	FRACTIONS
X ± .03	± 1/2°	± 1/64
XX ± .010		
XXX ± .005		

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TITLE TECHNICAL BULLETIN, REPLACEMENT OF LED LIGHT SOURCE ASSEMBLY ON SERIES 90/100 SWITCH ASSEMBLIES			
SIZE A	CAGE CODE 12522	DWG NO TB-229	REV 1.0
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1.0 PURPOSE

The purpose of this technical bulletin is to provide the necessary instructions to properly replace the LED Light Source Assembly in the series 90/100 pushbutton.

2.0 APPLICABLE DOCUMENTS

The following documents form a part of this document to the extent specified herein. Where specific paragraphs are called out, all subordinate paragraphs also apply. Where individual paragraphs are not specified, the document is applicable in its entirety.

2.1. STACO SYSTEMS DOCUMENTS

Series 90 SCD	Specification Control Document for Series 90 Lighted Pushbutton Switches and Indicators
Series 100 SCD	Specification Control Document for Series 100 Lighted Pushbutton Switches and Indicators

3.0 KEY COMPONENTS

3.1. S90 OR S100 SWITCH

3.2. PUSHBUTTON EXTRACTION TOOL P/N 15193

4.0 PROCEDURE

4.1. PUSHBUTTON EXTRACTION

1. For switches with alternate action, ensure that the pushbutton is in the upper, non-depressed position. To avoid internal damage, switches with alternate action should be in the non-depressed state before attempting pushbutton removal.
2. Locate the bezel retention tabs located on either side of the pushbutton. See figure 1.



Figure 1. Pushbutton Showing Bezel Retention Tab

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- Using the pushbutton extraction tool, carefully position the tool's gripping tabs under the pushbutton's bezel retention tabs. This will ensure that seals and bezels are not damaged during the removal process. See figure 3.



Figure 3: Pushbutton Extraction Tool Placement

- Clamp/squeeze the tool gently, but firmly, and pull the pushbutton away from the switch assembly. This will require the application of between two and five pounds of force. See figure 4.



Figure 3: Pushbutton Extraction

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- The pushbutton will release from its retention position and become free to allow replacement of the LED Light Source Assembly.

4.2. LED LIGHT SOURCE ASSEMBLY REPLACEMENT

- To remove the LED Light Source Assembly from the pushbutton, first locate the side of the Light Source Assembly that has an opening where the metal edge is visible. See figure 4.



Figure 4. LED Light Source Assembly Opening

- Place your thumb on the LED Light Source Assembly just below the metal edge and your forefinger on the top of the pushbutton on the opposite side and gently push your finger to slide the LED Light Source Assembly off the upper portion of the pushbutton. See figure 5.

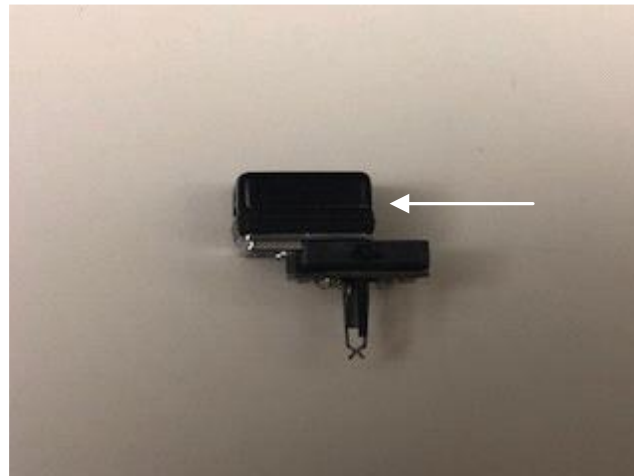


Figure 5. LED Light Source Assembly Removal

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3. Install the new LED Light Source Assembly by sliding it onto the pushbutton.
4. Install the pushbutton back into the switch housing. To insert the pushbutton properly, align the index pin on the pushbutton with the index hole in the switch housing and push gently until the pushbutton is properly sealed. See figure 6.

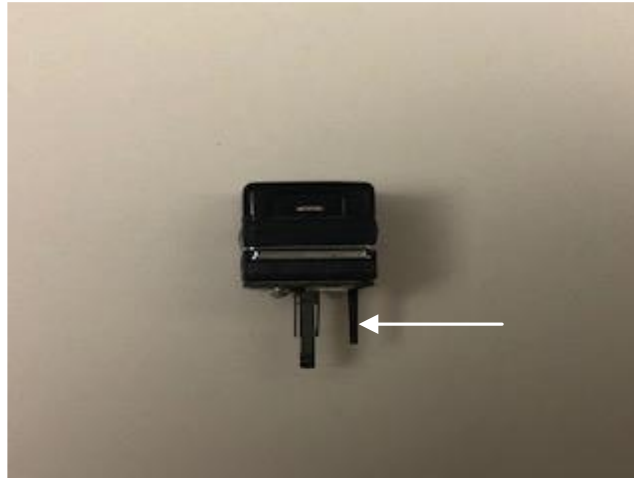


Figure 6. Pushbutton Index Pin

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