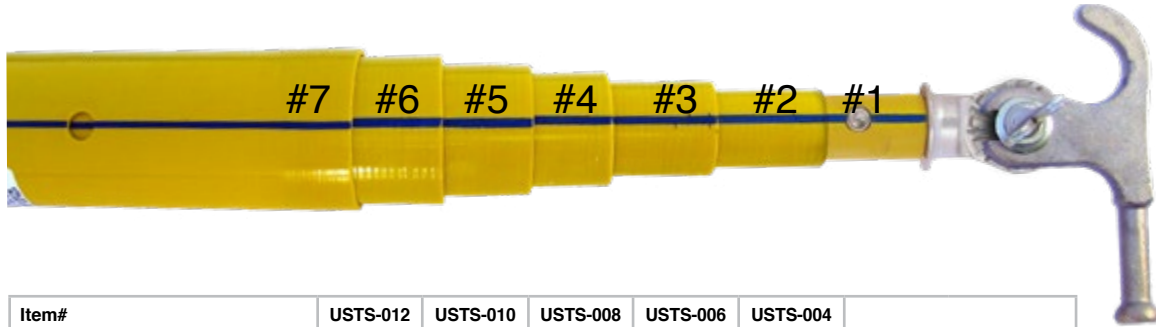


# BLUE STRIPE® Hot Stick Repair Guide

## BUCKET OPERABLE TELESCOPIC



Item#	USTS-012	USTS-010	USTS-008	USTS-006	USTS-004		
Button Kit	USTS-0XX-BUTTON-KIT (includes Spring, Button, and Spring Caps for every section for an entire stick)						
Section#	#7	#6	#5	#4	#3	#2	#1
Button							
Spring							
Spring Caps							N/A
Drive Pins (Roll Pins <sup>1</sup> )							
Button Kit (Spring, Spring Caps, Button, Drive Pins or Roll Pins <sup>1</sup> )		P-00152	P-00151	P-00150	P-00149	P-00148	P-00147 <sup>1</sup>
Plug							
Plug Assembly (Plug, Spring, Button, Spring Caps, Drive Pins or Roll Pins <sup>1</sup> )		P-00133	P-00132	P-00131	P-00130	P-00129	P-00128 <sup>1</sup>
Inside Fiberglass Section							
		C-00844	C-00842	C-00840	C-00838	C-00837	P-00811 <sup>2</sup> NON-TIPLOCK
Outside Fiberglass Section <sup>3</sup>							
	P-00816	P-00815	P-00814	P-00813	P-00812		
Screws for End Caps							
End Cap <sup>3</sup> (includes Screws)							
	P-00162	P-00161	P-00160	P-00159	P-00158		
Screws & Washers for Boots							
Rubber Boot							
	P-00227	P-00226	P-00225	P-00224			

	BEFORE 2019	CURRENT
B-00105	P-00045	P-00687
	B-01825 USTS HOT STICK BLANK REPLACEMENT LABEL	
<sup>1</sup> Section #1 uses Roll Pins <sup>2</sup> Section #1 includes a New Spline End and fasteners <sup>3</sup> Outside Sections include a New End Cap, fasteners, and Hot Stick Label		

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## BUCKET OPERABLE TELESCOPIC

### PLUG ASSEMBLIES:

Plug Assemblies for sections #2 and higher are held in place with 3/16" x 3/8" Stainless Steel, Beveled and Grooved Drive Pins. Section #1 Plug and Tiplock Assemblies use a 1/8" x 3/8" Stainless Steel Roll Pin.

**REMOVE** - Carefully drive each pin out using a drift/punch that is SMALLER than the pin. Discard old drive pins that do NOT have a beveled end. **Drive Pins were updated in 2019 and are available as a pack of 20 using Part# P-00688.**

**INSTALL** - Only reuse pin holes if they are smooth, round, and offer a tight fit. When in doubt, drill new holes.

1. Insert the assembly (complete with springs, caps, and button) and align the button horizontally in the button hole with the assembly tight against the base of the fiberglass. Note the location of the open cavities of the plug assembly.
2. Determine best hole location:
  - a. should be halfway between the button hole and the end of the fiberglass
  - b. should be perpendicular to the fiberglass in both directions
  - c. should intersect an open cavity in the plug assembly
  - d. should not exceed the Maximum Number of holes in each fiberglass section, see chart below
3. Use a sharp #15 Drill Bit (section #1 Roll Pin requires 1/8" drill bit) and drill one hole through the fiberglass and plug assembly.
4. Carefully drive a pin in, beveled end first, until it is level with the fiberglass surface. Be sure the drive pin is tight.
5. Repeat Steps #2-4 applying 2 pins for each section. Verify the plug is solid, the buttons work smoothly without binding and the pins are flush.



**CURRENT DRIVE PIN**

**Use #15 Drill Bit**



**Roll Pins use a 1/8" Drill Bit**



### END CAPS / RUBBER BOOTS:

End Caps are held in place with 10-24 x 1/2" Stainless Steel, Round Head Phillips Screws. Rubber Boots are held in place with two 10-24 x 1/8" Stainless Steel, Round Head Phillips Screws and two washers.

**REMOVE** - Loosen the fasteners with a #2 Phillips Head Screwdriver.

**INSTALL** - Only reuse screw holes when End Caps are NOT being replaced. Holes should be smooth, round, and offer a tight fit. When in doubt, drill new holes. **End Caps were updated in late 2018 and are available individually.**

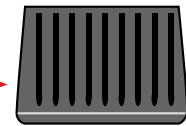
1. Insert the End Cap or Rubber Boot tight against the base of the fiberglass. Note the location of the open cavities of the end cap.
2. Determine best hole locations:
  - **LEGACY END CAP** (see pic): should be 1/2" up from the bottom of the fiberglass
  - **CURRENT END CAP** (see pic): should be 5/8" up from the bottom of the fiberglass
  - **RUBBER BOOT** (see pic): should be 3/4" up from the molded seam of the Boot
  - should be perpendicular to the fiberglass in both directions
  - should intersect an open cavity in the end cap
  - should not exceed the Maximum Number of holes in each fiberglass section, see chart below
3. Using a sharp #25 Drill Bit, hold the End Cap or Rubber Boot tight against the base of the fiberglass and drill one hole through the fiberglass and End Cap or Rubber Boot.
4. Install the fastener (include washer for Rubber Boot) with a #2 Phillips Head Screwdriver.
5. Repeat Steps #2-4 applying 2 fasteners for each section.



**LEGACY**



**CURRENT**



← seam

**RUBBER BOOT**

**Use #25 Drill Bit**



### SURFACE MAINTENANCE:

BLUE STRIPE® Fiberglass Hot Sticks use an epoxy fiberglass material that is non-woven. The unidirectional fiberglass creates a smooth surface which resists dirt and moisture.

1. Carefully remove surface dirt and contaminants while maintaining the original protective clear coat of the fiberglass. Use our BLUE STRIPE® Cleaner (USTS-CLEANER) or other pH balanced (non-acid, non-alkali) cleaner.
2. Thoroughly wax the stick using our BLUE STRIPE® Hot Stick Wax (USTS-WAX) or equivalent Carnuba wax prior to field use.
3. Best practices include applying generous amounts of silicone protectant to each stick prior to field use. Use either our disposable BLUE STRIPE® Silwipes (USTS-SILWIPE) or reusable BLUE STRIPE® Cloth (USTS-SILCLOTH).

SECTION #	MAX # HOLES IN FIBERGLASS	PLACEMENT
#1 (Roll Pin)	2	180 ° Apart
#2	4	180 ° Apart
#3	4	180 ° Apart
#4	6	180 ° Apart
#5	6	180 ° Apart
#6	6	180 ° Apart
#7	8	180 ° Apart