

# Airfield Lighting Tools

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**In-pavement Pressure Test Assembly**  
Part No. 44A6104

- Allows pressurization of in-pavement fixture underwater. Leaks can then be detected and specifically located by looking for escaping air bubbles.
- Allows checking for non-watertight condition after maintenance and before returning to service; thus eliminating recurring maintenance and additional downtime.
- The assembly simply screws into the pressure release port on the underside of the inner pan.
- Accepts a standard industrial air hose fitting.
- 40 psi pressure relief valve is built-in so over-pressurization of fixture is avoided. Pressure test is performed at 20 psi.



In-pavement Pressure Test Application

**In-pavement Fixture Bolt Kit**  
(6) Grade 5 full thread coated bolts with (6) 2-piece lock washers

Polytetrafluoroethylene (PTFE) coated (red) bolts with 316 stainless steel anti-vibration washers.

- SHFT53816.100X6 for 1" length\*, SH53816.150X6 for 1.5" length
- SH53816.200X6 for 2" length, SH53816.250X6 for 2.5" length
- SH53816.300X6 for 3" length, SH53816.350X6 for 3.5" length
- SH53816.400X6 for 4" length, SH53816.450X6 for 4.5" length
- SH53816.500X6 for 5" length, SH53816.550X6 for 5.5" length
- SH53816.600X6 for 6" length.

\* FT = Full Thread with no dog point -1" only



**L-895 Mounting Stake**  
Part No. 44B0348

- Mounting system for elevated airfield lights installed directly in the ground.
- 2 x 2 x 30 inch (5.08 x 5.08 x 76.2 cm) galvanized steel.
- Includes UL 467 rated ground lug, which accepts an AWG 6 earth ground wire.
- ETL Certified to L-895 AC 150/5345-42 (Current Edition).



# Airfield Lighting Tools

**ADB Braided Ground Strap**  
Part Number 89A0292-XXX

- Used to connect in-pavement fixtures, elevated fixture base plates and cover plates to earth ground.
- The other end of the ground strap is typically connected to the earth ground lug in a base can.
- The current carrying capacity of the braided ground strap is equivalent to AWG 6 wire.
- See ordering code.



**Ordering Code**

89A0292 - X XX

**Tab Options**

- 1 = Ferrule/Tab ends<sup>1</sup>
- 2 = Tabs on both ends<sup>2</sup>

**Strap Length**

XX = Length in inches  
Example: 72 = 72 inches overall length



**Notes**

- <sup>1</sup> Comes with Ferrule on one end and tab on the other end (Figure 1). This strap must with used on ADB SAFEGATE in-pavement fixtures with UL 467 ground lugs.
- <sup>2</sup> Comes with tab on both ends (Figure 2). Use the end with the 0.343 -inch diameter hole to connect to FAA base can ground strap.

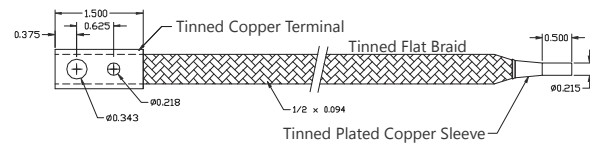


Figure 1

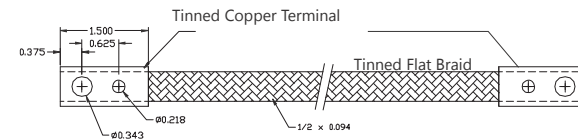

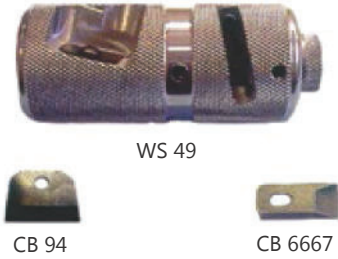




Figure 2

Dimensions Shown in Inches

# Airfield Lighting Tools




<p><b>Desktop 6.6A Power Supply</b> Part Number: CFB/02X0</p> <ul style="list-style-type: none"> <li>• Desktop 200 VA CCR for bench testing of airfield fixtures.</li> <li>• Ferroresonant architecture provides for attachment to either incandescent or LED fixtures.</li> <li>• See data sheet 3068 in the Power Equipment section for details.</li> </ul>	
<p><b>Cable End Stripper/Penciller</b> Part Nos. WS 49, WS 49H, CB 6667, CB 94</p> <ul style="list-style-type: none"> <li>• Used to both remove and pencil the jacket on L-824 airfield primary series circuit wire.</li> <li>• Eliminates nicks and cuts on the wire and minimizes the risk of corona to extend the life of the airfield series circuit wiring.</li> <li>• WS 49 used to end strip 0.75 inch (1.9 cm) and then pencil 0.5 inch (1.27 cm) 8 AWG, 5 kV L-824 Type C airport lighting cable. Other diameters (0.395 inch, 0.420 inch, 0.445 inch, 0.490 inch) compensate for variation in cable diameter using included bushings.</li> <li>• WS 49H available for #4 and #6 airport lighting cable.</li> <li>• Long-lasting, guarded cutting blades.</li> <li>• CB 6667, end strip replacement blade*.</li> <li>• CB 94, pencil replacement blade*.</li> </ul> <p>Note: * Used on both WS 49 and WS 49H</p>	
<p><b>Primary Connector Crimping Tool</b> Part No. TBM45S</p> <ul style="list-style-type: none"> <li>• Used to properly crimp the contacts on L-823 airfield primary series circuit connector kits.</li> <li>• Shure Stake® mechanism ensures a proper crimp reducing failures, broken wires, or hot spots over the life of the crimped connector.</li> <li>• Requires the lowest handle force of any tool in its class.</li> <li>• Wide installing range of AWG 8 – AWG 2 copper and AWG 10 – AWG 6 aluminum lugs and splices.</li> <li>• Creates diamond-style crimp with die-code embossing for quick verification of proper crimp.</li> </ul>	
<p><b>Secondary Connector Crimping Tool</b> U.S. Part No. 909MOD Canada Part No. CHANNEL909</p> <ul style="list-style-type: none"> <li>• Used to properly crimp the contacts on L-823 secondary field-installed connector kits.</li> <li>• Ensures that there are no failures, broken wires, or hot spots over the life of the crimped connector.</li> </ul>	

## TOOLS & SPARES

# Airfield Lighting Tools

<p><b>Elevated Light Level</b>  <b>Part No. 44B1067 - L-861 Level</b>  <b>Part No. 44C1598 - L-862 Level</b></p> <ul style="list-style-type: none"> <li>• Used to level elevated light heads in the field.</li> <li>• Level for L-861 incandescent elevated lights works with clamp band (Part No. 44C1081-XXXX) and pop top (Part No. 44C1752-X1XX - L-861T only) type fixtures.</li> <li>• Level for L-862 and L-862E incandescent elevated lights works with clamp band (Part No. 44A2071-X1XX) and pop top (44C1201-XXXX) type fixtures.</li> <li>• For ADB Safegate, Canada's high-intensity elevated edge lights (Part No. 5NQ3850CU) and medium-intensity edge lights (Part No. L-861U), use <b>Part No. 060406</b>.</li> </ul>	 <p style="text-align: center;">L-861 Level                      L-862 Level</p>
<p><b>700-40 Plug Insertion Tool</b>  <b>Part No. 44C2069</b></p> <ul style="list-style-type: none"> <li>• Specially designed to facilitate insertion of runway fixture L-823 plugs into secondary leads of transformers.</li> <li>• Made of cast aluminum for lightweight durability.</li> <li>• Inside diameter of tool is tapered to conform to outside of L-823 plug.</li> <li>• Positions and inserts the plug with the breakable coupling screwed into place.</li> <li>• Provides added force necessary to ensure a good connection between plug and receptacle.</li> <li>• 700-40 is designed for use with tapered plugs only. For non-tapered plugs, contact the ADB Sales Department.</li> </ul>	 <p style="text-align: center;">Plug Insertion Tool                      Tapered Plug</p>
<p><b>Base Plate Tap</b>  <b>Part No. AW7015 for 1.5"-12</b>  <b>AW7020 for 2" NPS</b></p> <ul style="list-style-type: none"> <li>• For the restoration of damaged threads in either 1.5-inch or 2-inch tapped base plates.</li> <li>• Taps have recess on the bottom that allows for re-tapping without removal of L-823 secondary connector.</li> <li>• Each tap includes 15-inch torque bar.</li> </ul>	 <p style="text-align: center;">1.5-inch Tap</p> <p style="text-align: center;">2-inch Tap</p>
<p><b>Breakable Coupling Socket Wrench</b>  <b>Canada Part No. 921028-W</b></p> <ul style="list-style-type: none"> <li>• For the installation and removal of ADB's 2" Transport Canada Style hex head frangible couplings.</li> <li>• Fabricated from high strength steel to provide durable construction with a long service life.</li> </ul>	

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<p><b>Frangible Coupling Wrench</b> Part No. AW7010 (metric), AW7011 (NPS)</p>	
<ul style="list-style-type: none"> <li>• For the installation and removal of frangible couplings.</li> <li>• Fits both 1.5 inch and 2-inch frangible couplings (NPS) or 61 mm and 63 mm frangible couplings (metric).</li> <li>• Wrench is angled 14° to provide clearance from the tarmac, preventing knuckle abrasion.</li> <li>• Made of 6061-T6 high strength aluminum alloy, anodized finish</li> <li>• Weight: 1.5 lb (0.68 kg).</li> </ul>	
<p><b>Light Base Setting Fixture - 3-Point Leveling</b> Part No. SF3P</p>	
<ul style="list-style-type: none"> <li>• Supports L-867/L-868 base cans to insure the proper azimuth and to set fixtures at the proper height.</li> <li>• Welded steel angle frame shipped with bolt pattern plate installed.</li> <li>• Alignment pointers, three top-wind trailer jack adjustment legs, jack bolts, and plates shipped separately for field installation.</li> <li>• Oxide primer finish.</li> <li>• Approximate shipping weight: 170 lb.</li> </ul>	
<p><b>Light Base Setting Fixture - 4-Point Leveling</b> Part No. SF4P-4</p>	
<ul style="list-style-type: none"> <li>• Universal frame can be positioned either with angle pointing up or down.</li> <li>• Alignment notches in angle iron help in locating light base during construction.</li> <li>• Bulls-eye in bolt pattern plate also helps in locating light base.</li> <li>• Replaceable setting plate pointer that can also be resharpened.</li> <li>•</li> <li>• Optional Jack Pads allow the anchoring of the setting fixture into base material. Must specify when ordering.</li> </ul>	
<p><b>Touch-up Paint (Cannot be air shipped)</b></p>	
<ul style="list-style-type: none"> <li>• Orange touch-up paint, 12 oz. can <b>Part No. 95A0008</b></li> <li>• Gray CCR touch-up paint, 12 oz. can <b>Part No. 95A0009</b></li> <li>• Yellow touch-up paint, 12 oz. can <b>Part No. 95A0011</b></li> </ul>	