INTRODUCTION

Bad Boy Luminaire Baseplate Retrofit

It has been determined that some Bad Boy baseplates have the possibility for weakness at the two slots where the safety cables are attached. In extreme cases the outer edge of the slot can break off, leaving nowhere to attach the safety cable. In order to prevent this problem, all Bad Boy baseplates should be replaced.

This technical bulletin provides a procedure for replacing the baseplate. This procedure applies to the following locations:

+ Australia, Germany, Japan, UK

When complete, the TEAM inspection should be completed by UK locations. For all other locations, email the fixture serial numbers to badboyservice@prg.com

PRG Dallas will perform this retrofit for all North American locations. Please coordinate this with your Asset Management.

Parts, Tools, and Supplies

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>28.9812.1401</td>
<td>KIT, BASEPLATE RETROFIT</td>
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<tr>
<td>04.9812.0040</td>
<td>1 EA LABEL, COMPLIANCE, BAD BOY</td>
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<tr>
<td>21.9812.0802</td>
<td>1 EA ASSY, BASEPLATE RETROFIT</td>
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<tr>
<td>53.6634.0004.1</td>
<td>4 EA SCREW, 3/8-16 x 1-1/4 FLAT</td>
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<tr>
<td>53.2203.0001</td>
<td>4 EA NUT, 3/8-16 NYLON INSERT</td>
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<th>Code</th>
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<tr>
<td>28.9812.1500</td>
<td>KIT, BAD BOY BASEPLATE RETROFIT TOOL</td>
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<tr>
<td>06.6019.0002</td>
<td>LOCTITE, 242 THREADLOCKER ADHESIVE, 1.69 oz. BLUE</td>
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<td>07.3038.0002</td>
<td>SCREWDRIVER, PHILIPS ROUND BLADE, #2 TIP, 1&quot; BLADE, ULTRA-GRIP</td>
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<td>07.3038.0003</td>
<td>SCREWDRIVER, PHILIPS ROUND BLADE, #2 TIP, 8&quot; BLADE, ULTRA-GRIP</td>
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<td>07.5024.0002</td>
<td>WRENCH, 3/8&quot; SQUARE DRIVE W/ SOCKET RELEASE, 5-75 FT-LBS ADJUSTABLE CLICK-STYLE</td>
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<td>07.3022.0006</td>
<td>SOCKET, 3/8&quot; SQUARE DRIVE 6-POINT STD, 9/16&quot; SIZE, 1-1/8&quot; LENGTH</td>
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<td>07.3025.0002</td>
<td>PLIERS, 8-1/4&quot; LONG-NOSE EXTRA REACH, 1-9-16&quot; JAW LENGTH, 5/32&quot; TIP</td>
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<td>07.3025.0003</td>
<td>PLIERS, WIRE-CUTTING W/SPRING RETURN, OVAL, 6-3/8&quot; LENGTH, 7/8&quot; JAW</td>
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<td>07.3019.0004</td>
<td>HEX KEY, 7/32&quot; MOLDED SMOOTH-GRIP T-HANDLE, 4&quot; BLADE</td>
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<td>07.5024.0003</td>
<td>WRENCH, 9/16&quot; SIZE 8-5/8&quot; LENGTH, RATCHETING COMBO</td>
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PROCEDURES

Replacing the Baseplate

**WARNING:** Remove power from luminaire before performing any maintenance procedures.

To replace the baseplate:
Step 1. Remove power from luminaire and allow components to cool for at least 5 minutes.
Step 2. Remove Enclosure Covers as follows:
   a. At each Enclosure Cover, loosen two captive screws (Figure 1).
   b. Remove cover by pulling straight out until lip clears yoke support.

**CAUTION:** The Enclosure Covers are not identical. One is for the Intake side and one for the Exhaust side. Be sure to re-install covers in the proper location.

![Figure 1: Removing Upper Enclosure Covers](image-url)
Step 3. Remove EMI Ballast Enclosure as follows:
   a. Disconnect the following wiring (Figure 2):
      1) APS Cable.
      2) Two Fan Cables.
      3) Ground Cable.
      4) Lamp Power Ballast Output Cables (white and black).
   b. At EMI Ballast Enclosure, remove four 10-32 x 3/8" PPB Black SEMS screws. (Assembly will still be
      connected by wiring.)
   c. Move EMI Ballast Enclosure away from the luminaire as far as the cabling will allow. (This will provide
      access to disconnect the remaining cables.)
   d. At EMI Filter, disconnect two output cables.
   e. Cut tie-wrap to free Lamp Power Ballast Output Cables.
   f. Remove EMI Ballast.

Step 4. Remove Interface/LVS Module as follows:
   a. At Interface/LVS Module, remove four 10-32 x 3/8" PPB SEMS screws (Figure 3).
   b. At left side of Interface/LVS Module, disconnect the following wiring:
      1) Fan cable.
      2) APS Control Line cable.
      3) Neutral (white) cable.
      4) Line (black) cable.
      5) Ground cable.
   c. At right side of Interface/LVS Module, disconnect the following wiring:
      1) Fan cable.
      2) CAN Bus cable.
      3) Power cables (red and black).
   d. Remove Interface/LVS Module.
Figure 2: Removing EMI Ballast Enclosure

Note: Be careful to maintain correct polarity of the lamp wires during re-assembly.
Figure 3: Removing Interface/LVS Module
Step 5. Remove and save Compliance Label (with serial number and barcode) as shown in Figure 4.

Figure 4: Removing Compliance Label from Baseplate

Step 6. Remove Baseplate from luminaire as follows:

a. At bottom of Baseplate, remove four 8-32 x 3/4" PF screws which secure Coverstrap (Figure 5).

b. Remove four 3/8-16 x 1-1/4" socket screws and nuts securing Baseplate to Pan Tube. Discard hardware.

c. Remove Baseplate.

Note: Luminaire Head not shown for clarity.

Figure 5: Removing Baseplate
Step 7. Remove remaining Baseplate components as follows:
   a. Remove entire Battery Assembly by removing two 6-32 x 1/4" PPZ screws.
   b. Remove EMI Filter by removing two 6-32 x 1/4" PPZ screws.
   c. Discard Baseplate.

Step 8. Install Battery Assembly and EMI Filter on new Retrofit Baseplate (21.9812.0802). (Refer to Figure 6)

Step 9. Reattach Baseplate to Pan Tube using NEW hardware included in kit. (Refer to Figure 5.) Torque 3/8-16 hardware to 30 ft-lbs.

Step 10. Secure Coverstrap to Baseplate. (Refer to Figure 5.) Apply Loctite 242 to 8-32 x 3/4" screws.

Step 11. Reinstall Interface/LVS Module. (Refer to Figure 3.)

Step 12. Reinstall EMI Ballast. (Refer to Figure 2.)
Step 13. Apply new Compliance Label (04.9812.0040) to Baseplate. Ensure label is oriented as shown in Figure 7.
Step 14. Transfer serial number and TEAM barcode labels from old Compliance Label to new Compliance Label.

**Note:** It is not necessary to reapply the Supplemental Safety Label.

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**Figure 7: Applying New Compliance Label to Retrofit Baseplate**

- **Compliance Label (new)**
- **TEAM Barcode (from old label)**
- **Serial Number (from old label)**

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Step 15. Power up and test as follows:

a. Apply power to luminaire and allow it to calibrate.

b. Verify no errors are present.

c. Strike lamp and allow it to warm up to full power.

d. Douse lamp.

Step 16. Complete TEAM inspection (UK only). For all other locations, email fixture serial numbers to badboyservice@prg.com