

TrakLite replacement instructions

Before you begin:

⚠ WARNING

DO NOT ATTEMPT INSTALLATION IN AN AREA KNOWN TO BE HAZARDOUS

- Inspect the Bullard helmet to make sure that it is in proper working order. DO NOT fit any defective or broken helmets.
- Only fit Bullard helmets.
- Take care not to scratch the helmet in the retrofit procedure. Place something soft under helmet while working.
- PX, FX, LT helmets:
 - If helmet has a leatherfront make sure to use the appropriate LED assembly (TLRETROLF). The leatherfront will mount to this LED assembly.
- UST helmets:
 - Eagle must be a 6 inch Eagle (OR600). See special assembly instructions to change Eagles.
 - Leatherfront must be a 5 inch front.
 - Make sure to use the LED assembly that is rectangular in shape. The leatherfront will mount to the Eagle or Maple Leaf.
 - If Bourke eye shields are installed see special instructions.

Tools Needed

- Retrofit Kit
- Pliers
- Screwdriver (plain and #2 Phillips)
- Soft piece of cloth

Instructions for removing existing TrakLite

Disassemble the Helmet

1. Remove the faceshield.
 - Pull the clips out and unscrew the knob. Do this for both sides.
 - Goggles may stay attached
2. Remove the chinstrap
 - Remove the two screws on each side that are holding the chinstrap in place. Save all hardware removed for reassembly after TrakLite is installed (Figures 1 and 2).
3. Remove liner.
 - Hold the liner firmly around the brow pad and pull up.
 - Or, place a flat head screwdriver between helmet and liner and carefully “pop” the liner out. Take care not to damage the liner in this process (Figure 3).
4. Set the liner aside.

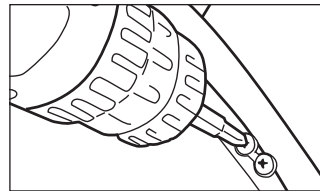


Figure 1

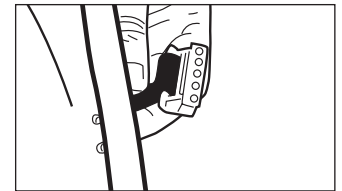


Figure 2

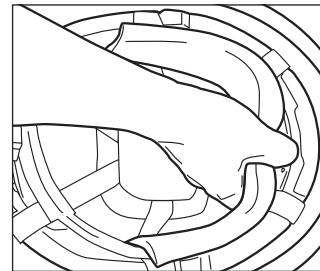


Figure 3

The helmet should look like the images below. (Figures 4 and 5).

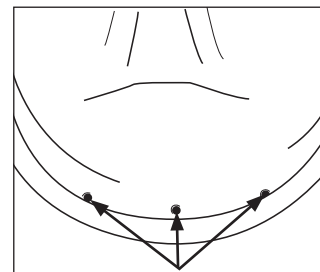


Figure 4

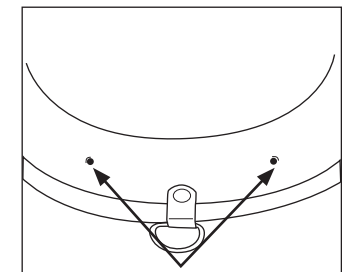


Figure 5

Attaching the Battery Assembly

Attach the battery unit to the back brim of the helmet.

- Place the two screws provided into the two holes in the back brim of the helmet.
- Align the battery unit with the screws (Figure 6).
- Tighten the screws (Figure 7).
 - If a screw driver is used, use a lower torque setting as to prevent stripping the screw hole in the housing.
 - Tighten the first screw halfway.
 - Then, tighten the second screw completely.
 - Return to the first screw and finish tightening it (Figure 8).
- Run the wire from the battery unit to the front of the helmet (Figure 9).
- Thread the battery assembly wire through the middle hole (Figure 10).

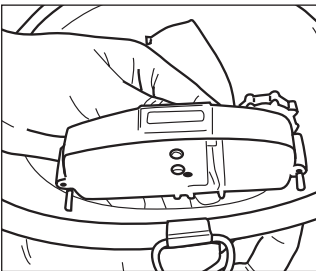


Figure 6

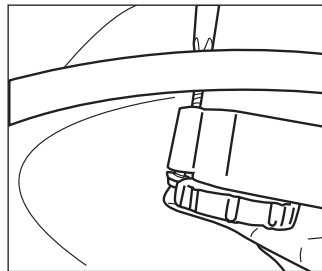


Figure 7

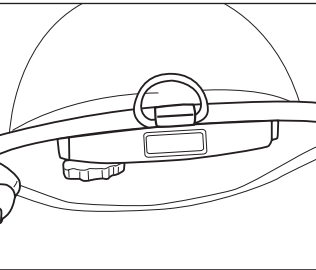


Figure 8

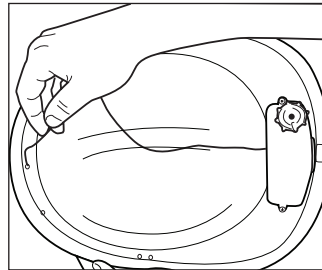


Figure 9

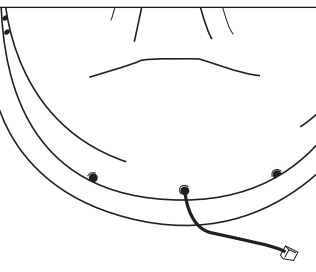


Figure 10

Attaching the LED Assembly

⚠ WARNING

EXPLOSION HAZARD - BEFORE STARTING, ENSURE THERE ARE NO BATTERIES WITHIN THE BATTERY ASSEMBLY.

- Connect the battery assembly wire to the LED assembly port.

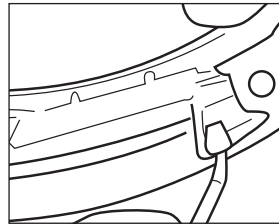


Figure 11

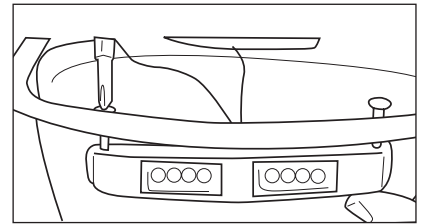


Figure 12

- Carefully insert the battery wire into the port on the LED assembly (Figure 11).
 - DO NOT FORCE THE WIRE.
 - If the wire does not easily fit into the port one direction, flip the wire over and try again.
 - After wire is inserted into port, GENTLY tug on the wire to ensure correct connection.
- Attach the LED assembly to the front brim of the helmet (Figure 12).
 - Attach the leatherfront to the LED assembly, if needed.
 - Insert the provided screws into the two holes on the front of the helmet.
 - Line the LED assembly up with the screws.
 - Ensure that the wire is behind or under the ledge on the LED assembly.
- Tighten the screws (Figure 13).
 - If a screw driver is used, use a lower torque setting as to prevent stripping the screw hole in the housing.
 - Tighten the first screw halfway.
 - Then tighten the second screw completely.
 - Return to the first screw and finish tightening it.

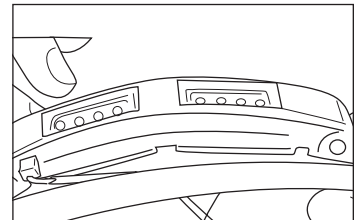


Figure 13

Reassemble the Helmet

- Reinsert the liner
 - Make sure that the TrakLite wire is running along the inside top of the helmet.
 - Replace all Velcro attachments.
 - Carefully insert the liner back into the shell.
 - The arrow on the back of the liner should correspond with the back of the helmet.

⚠ WARNING

DO NOT INSTALL BATTERIES IN AN AREA KNOWN TO BE HAZARDOUS.

- Test installation and then reattach the chinstrap (Figure 14).
 - Install 4 AAA batteries into the battery housing.
 - Flip the TrakLite switch to the "on" position to ensure correct installation of the light.
 - Using the screws, spacers (dog bones) and/or brackets that you removed earlier, reattach the chinstrap. This configuration will change for each helmet style.
- If there is a faceshield, reattach it now, one side at a time.
- Congratulations! (Figure 15)

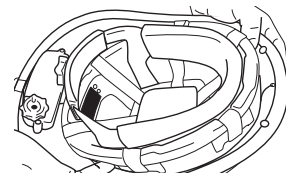


Figure 14



Figure 15

TrakLite Replacement Instructions for Bourke Eyeshield

Before you begin:

⚠ WARNING

DO NOT ATTEMPT INSTALLATION IN AN AREA KNOWN TO BE HAZARDOUS.

- Inspect the Bullard helmet to make sure that it is in proper working order. DO NOT fit any defective or broken helmets.
- Only fit Bullard helmets.
- Take care not to scratch the helmet in the retrofit procedure. Place something soft under helmet while working.
- Eagle must be a 6 inch Eagle (OR600). See special assembly instructions to change Eagles.
- Leatherfront must be a 5 inch front.
- Make sure to use the LED assembly that is rectangular in shape. The leatherfront will mount to the Eagle or Maple Leaf.
- If Bourke eye shields are installed see special instructions.

Tools Needed

- Pliers
- Screwdriver (plain and #2 Phillips)
- Soft piece of cloth

Disassemble the Helmet

1. Goggles may stay attached
2. Remove the chinstrap
 - Remove the two screws on each side that are holding the chinstrap in place. Save all hardware removed for reassembly after TrakLite is installed (Figures 16 and 17).
3. Remove liner.
 - Hold the liner firmly around the brow pad and pull up.
 - Or, place a flat head screwdriver between helmet and liner and carefully “pop” the liner out. Take care not to damage the liner in this process.

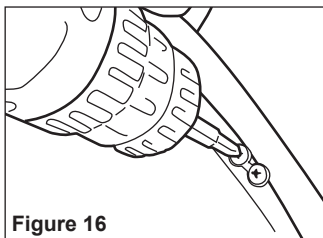


Figure 16

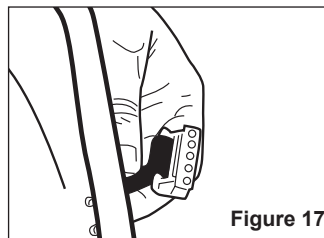


Figure 17

4. Set the liner aside.
5. Remove Leatherfront.
6. Replace 5 inch Eagle or Maple Leaf leatherfront holder with an 6 inch Eagle or Maple Leaf leatherfront holder, if needed. (Instructions provided with purchase of Eagle or Maple Leaf.)

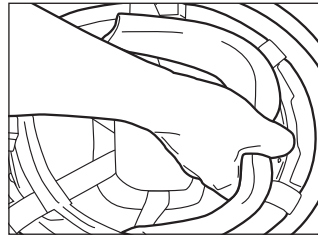


Figure 18

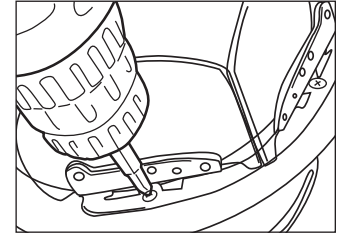


Figure 19

Remove the Bourke shield and Traklite

1. Remove the two screws and all hardware holding the Bourke eyeshield onto the helmet (Figure 19).
2. Save the spacer washer.
3. Discard the screws, washers and nuts that were removed from the helmet.

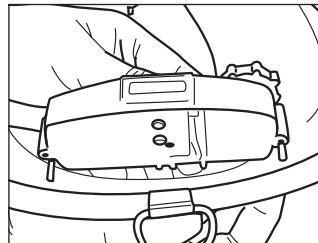


Figure 20

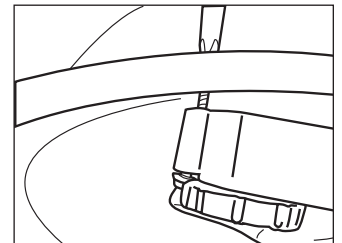


Figure 21

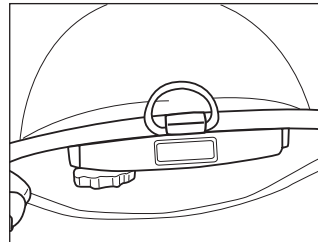


Figure 22

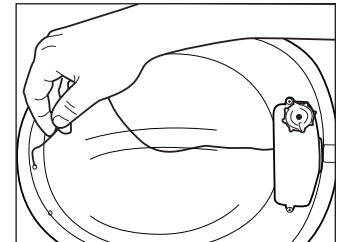


Figure 23

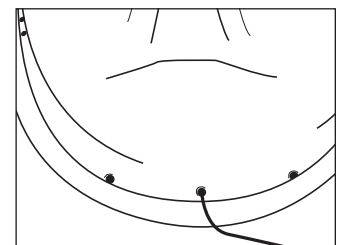


Figure 24

Attaching the Battery Assembly

Attach the battery unit to the back of the helmet.

1. Place the two screws provided into the two holes drilled in the back brim of the helmet.
2. Align the battery unit with the screws (Figure 20).
3. Tighten the screws (Figure 21).
 - If a screw driver is used, use a lower torque setting as to prevent stripping the screw hole in the housing.
 - Tighten the first screw halfway.
 - Then, tighten the second screw completely.
 - Return to the first screw and finish tightening it (Figure 22).
4. Run the wire from the battery unit to the front of the helmet (Figure 23).
5. Thread the battery assembly wire through the middle hole (Figure 24).

Attaching the LED Assembly and Bourke eyeshield

⚠ WARNING

EXPLOSION HAZARD - BEFORE STARTING, ENSURE THERE ARE NO BATTERIES WITHIN THE BATTERY ASSEMBLY.

1. Connect the battery assembly wire to the LED assembly port.
2. Carefully insert the battery wire into the port on the LED assembly (Figure 25).
 - DO NOT FORCE THE WIRE.
 - If the wire does not easily fit into the port one direction, flip the wire over and try again.
 - After wire is inserted into port, GENTLY tug on the wire to ensure correct connection.

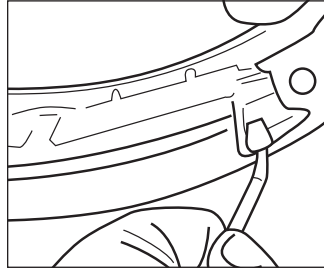


Figure 25

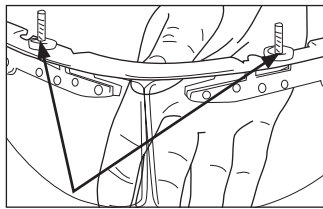


Figure 26

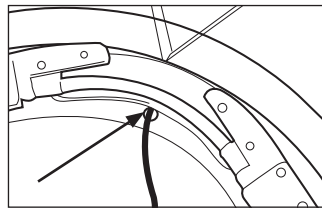


Figure 27

3. Insert the screws provided with your kit into the Bourke eyeshield as shown (Figure 26).
4. Place the black washer that you removed earlier on the screws after they have been threaded into the Bourke eyeshield.
5. Reattach the Bourke eyeshield
 - Insert the screws into the helmet from the underside of the helmet up.
6. Attach the LED assembly to the helmet and the Bourke eyeshield.
7. Tighten the LED assembly (Figure 27)
 - If a screw driver is used, use a lower torque setting as to prevent stripping the screw hole in the housing.
 - Tighten the first screw halfway.
 - Tighten the second screw completely.
 - Return to the first screw and tighten completely.
 - Make sure that you have not pinched the wire as you tighten the screws.

Reassemble the helmet

1. Reinsert the inner foam into the helmet, making sure that the power wire remains in place at the inside top of the helmet.

⚠ WARNING

DO NOT INSTALL BATTERIES IN AN AREA KNOWN TO BE HAZARDOUS.

2. Test installation and then reattach the chinstrap.
 - Install 4 AAA batteries into the battery housing.
 - Flip the TrakLite switch to the "on" position to ensure correct installation of the light.
 - Using the screws, spacers (dog bones) and/or brackets that you removed earlier, reattach the chinstrap. This configuration will change for each helmet style.
3. Reattach the chinstrap.
4. Reattach the leatherfront.
 - In order for the leatherfront to fit correctly it must be a 5 inch front supported by a 6 inch Eagle/Maple Leaf.

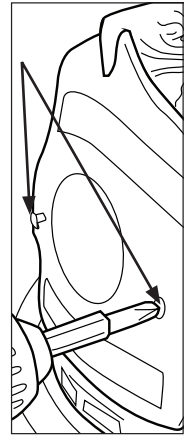


Figure 28

Changing the Eagle or Maple Leaf Leatherfront Holder (UST Helmet Only)

If the Bullard helmet is a UST with a leatherfront:

- The leatherfront must be a 5 inch front.
- The Eagle must be a 6 inch Eagle.
 - Use these two mounting holes to attach the 5 inch leatherfront after the Eagle has been mounted to the helmet (Figure 29).

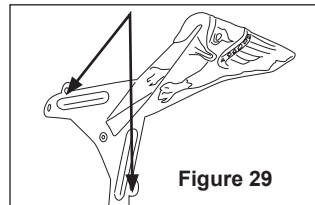


Figure 29

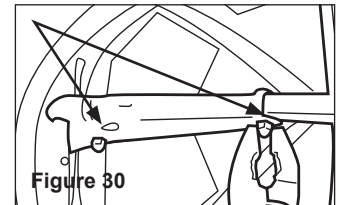


Figure 30

How to change the leatherfront holder

1. Remove the two screws that are holding the leatherfront onto the Eagle (Figure 28).
2. Remove the leatherfront.
3. Remove the two screws holding the Eagle onto the helmet.
 - You will have to use pliers to carefully remove the acorn nuts (Figure 30).
4. Remove the 5 inch Eagle.
5. Place the 6 inch Eagle on the Bullard helmet.
6. Align the holes and insert the screws (6024540071) completely through the Eagle and the helmet.
7. Tighten the screws carefully so as not to strip the screws (6024540071).
8. Replace the leatherfront.
 - Insert the leatherfront under the Eagle's beak first.
 - Tighten the two screws holding the leatherfront to the Eagle (Figure 28).

California Proposition 65 **⚠ WARNING**

Cancer and Reproductive Harm - www.P65Warnings.ca.gov.