

**BEK037, BEH047 & BEH048
 INSTALLATION INSTRUCTIONS & EXPLODED VIEW**

Caution: When working on or replacing the wires on the Belmont CLESTA Light Head, always unplug and remove all power to the Light Head to prevent electrical shock.

REMOVAL

1. Remove the Front Shield Assembly, Handles, Rear Yoke Mount Cover and Intensity Switch & Bracket Assembly. Retain all removed hardware for reassembly.
2. To replace the **Harness (Light) (RPI Part #BEH047)**: unplug the two single wire Plastic Connector Sets in the Rear Yoke Mount. Using the proper Contact Extraction Tool, remove the contacts from the Plastic Housings (new Plastic Housings are included with **Harness (Light) (RPI Part #BEH047)**, but Plastic Housings may need to be reused if not replacing the wire harness).
3. **Harness (Light) (RPI Part #BEH047) & Yoke Drift Kit (RPI Part #BEK037)**: Unplug the Lamp Wire from the fully insulated quick connect terminal and disengage the Spring Clip. Remove the Lamp from the Lamp Socket Housing. Then remove the SEMS Screw (screw & washer assembly) from the Ring Terminal on the Lamp Socket Housing. Remove the single screw holding the Wire Clamp, freeing the two Lamp wires. Save all parts for reinstallation.

4. Taking great care, remove the single Socket Head Cap Screw holding the Left Side Reflector Bracket & Holder Assembly. Lift the Lamp Socket Holder Assembly away from the Reflector. Remove the Right Side Reflector Holder, and remove the Reflector from the Light Head.
5. Remove the Protective Rubber Sheet to expose the Touchless Switch and wiring.
6. Remove the two Yoke Covers and Yoke Cover Brackets. Now remove the two rubber Yoke Wire Covers from underside of the Yoke, exposing the Yoke Channel and the wiring back to the Rear Yoke Mount.
7. To remove the **Harness (Light) (RPI Part #BEH047)**: Pull the wires out of the Yoke Channel, starting from the Rear Yoke Mount and along the right of the T-Bracket. Thread the wires and previously removed contacts thru the Yoke Pivot Junction in towards the center of the T-Bracket. Harness removal is now complete.
8. To remove the **Harness (Touchless Switch) (RPI Part #BEH048)**: Unplug the 4-Pin Connector located in the Rear Yoke Mount. Unplug the 4-Pin Connector from the Touchless Sensor Switch. Using the proper pin removal tool, remove the four leads from the Touchless Sensor Switch 4-Pin Connector Housing. Remove the **Harness (Touchless Switch) (RPI Part #BEH048)** by pulling the 3 wires out of the left side of the T-Bracket and the single wire from the right side of the T-Bracket through the Yoke Pivot Junction. Pull both sets of wires out of the Yoke Channels. Harness removal is now complete.
9. To remove the **Yoke Drift Kit (RPI Part #BEK037)**: Working on one side at a time, remove the two set screws holding the Shaft Bushing in place. On the inside of the T-Bracket, remove the Retaining Ring and Thin Plastic Washer. Gently remove the Shaft Bushing, and spreading apart the Yoke and T-Bracket, remove the Brass Washer, the two Wave Washers and the Thick Steel Washer and discard.

INSTALLATION

1. To reinstall the **Yoke Drift Kit (RPI Part #BEK037)**: Working on one side at a time, gently spread apart the Yoke and T-Bracket. Place the Washer Stack (Brass Washer, then the two Wave Washers followed by the Thick Steel Washer) between the Pivot Yoke and T-Bracket (in the T-Bracket recess). Install Shaft Bushing, position the Thin Plastic Washer and install Retaining Ring on the inside of T-Bracket. Install the two set screws into the Shaft Bushing, but do not adjust at this time. Repeat on other side.
2. To reinstall the **Harness (Light) (RPI Part #BEH047)**: Starting on the inside of the T-Bracket, thread the two contact pin ends of the wire through the Yoke Pivot Junction and Shaft Bushing, then into the Right Yoke Channel. Run wires up channel into the Rear Yoke Mount (Leave these wires loose in the Yoke Channel until you have reinstalled the Lamp Socket Holder Bracket Assembly into the Light Head). **NOTE:** Allow the Protective Sheath to protrude into the T-Bracket. Now install the two Plastic Connector Bodies onto the Contact Pins inside the Rear Yoke Mount.
3. To reinstall the **Harness (Touchless Switch) (RPI Part #BEH048)**: Start in the Rear Yoke Mount with the end of the attached 4 Pin Connector located so that it will properly engage with the mating connector when reconnected. Insert the 3 bundled wires into the Left Yoke Channel and thread them through the Yoke Pivot Junction and Shaft Bushing in towards the center of the T-Bracket. Insert the single jacketed wire (white with blue stripe) into the Right Yoke Channel and thread through the Yoke Pivot Junction and Shaft Bushing into the center of the T-Bracket. **NOTE:** With both sets of wires, allow the Protective Sheaths to protrude into the T-Bracket. Then run the wires down the 'T' to the Touchless Switch area. Push the individual pins (until they click in place) into the provided 4-Pin Connector making sure you correctly position each wire per the **Wiring Diagram included in exploded view (see Figure 2)**. Connect the 4-Pin Connector to the Touchless Switch PC Board. Push both sets of wires firmly into the bottom of the Yoke Channels.

4. Install the Protective Rubber Sheet onto the T-Bracket and push it down around the edges of the T-Bracket.
5. Reinstall the Reflector by loosely reattaching the Right Side Reflector Holder and securing Reflector into position using the Left Side Reflector Bracket & Holder Assembly (ensure reflector flats are aligned with Right and Left Side Reflector Holders). **NOTE:** Make sure the two lamp wires of the **Harness (Touchless Switch) (RPI Part #BEH048)** ride freely in the Reflector Bracket Channels. Now tighten the Right Side Reflector Holder.
6. Install the two screws that hold the Lamp Socket Holder Bracket in place.
7. **Harness (Light) (RPI Part #BEH047) & Yoke Drift Kit (RPI Part #BEK037) Wire Seating:** Reattach the Ring Terminal using the SEMS Screw (removed earlier) to the Lamp Socket Housing. Insert the Lamp into the Lamp Socket Housing and secure in place with the Spring Clip. Attach the wire to the Lamp (fully insulated quick connect terminal) Gently pull the excess Lamp Wires from the right side Yoke Pivot Junction to remove slack. Verify that Protective Rubber Sheet has not pulled away from T-Bracket.
8. Reattach the single screw and Wire Clamp securing the two lamp wires of the **Harness (Touchless Switch) (RPI Part #BEH048)** onto the Lamp Socket Holder Bracket.
9. Install the two rubber Yoke Wire Covers on underside of the Yoke, making sure the wires are fully pressed down into the channels and that the rubber Yoke Wire Covers are neat and flush with Yoke surface.
10. Reinstall the two Yoke Cover Brackets removed earlier.
11. **Yoke Drift Kit (RPI Part #BEK037) Adjustment:** Using the two set screws that go through the Yoke Drift Kit Shaft Bushing, adjust the tension so that the light head pivots up and down freely but maintains position when released.
12. Reconnect connector sets in Rear Yoke, then reattach the Front Shield Assembly, Handles, Rear Yoke Mount Cover and Intensity Switch & Bracket Assembly. Check all electrical connections and reattach the Yoke Covers.
13. Restore power and check all operational features of the Light Head.

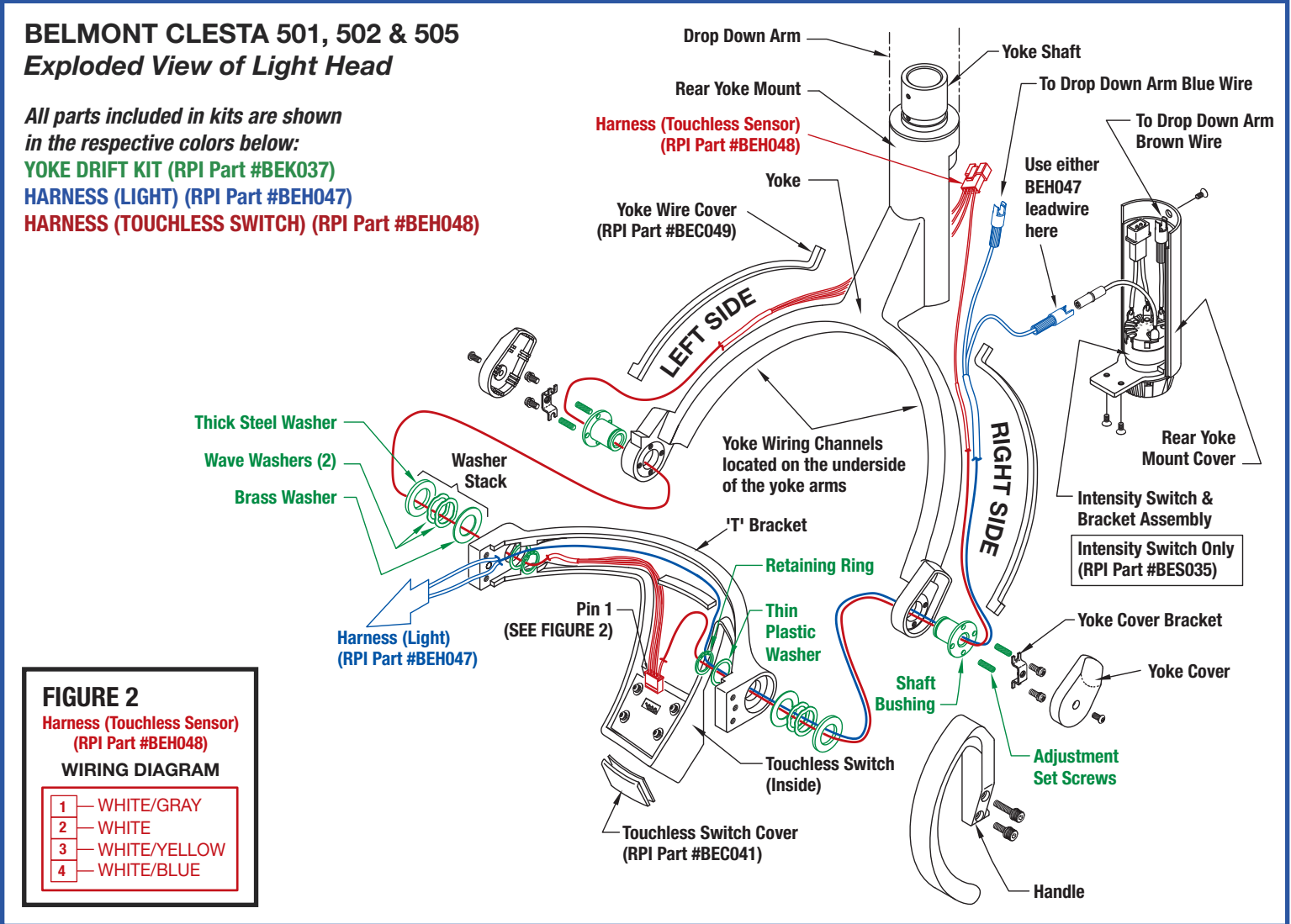
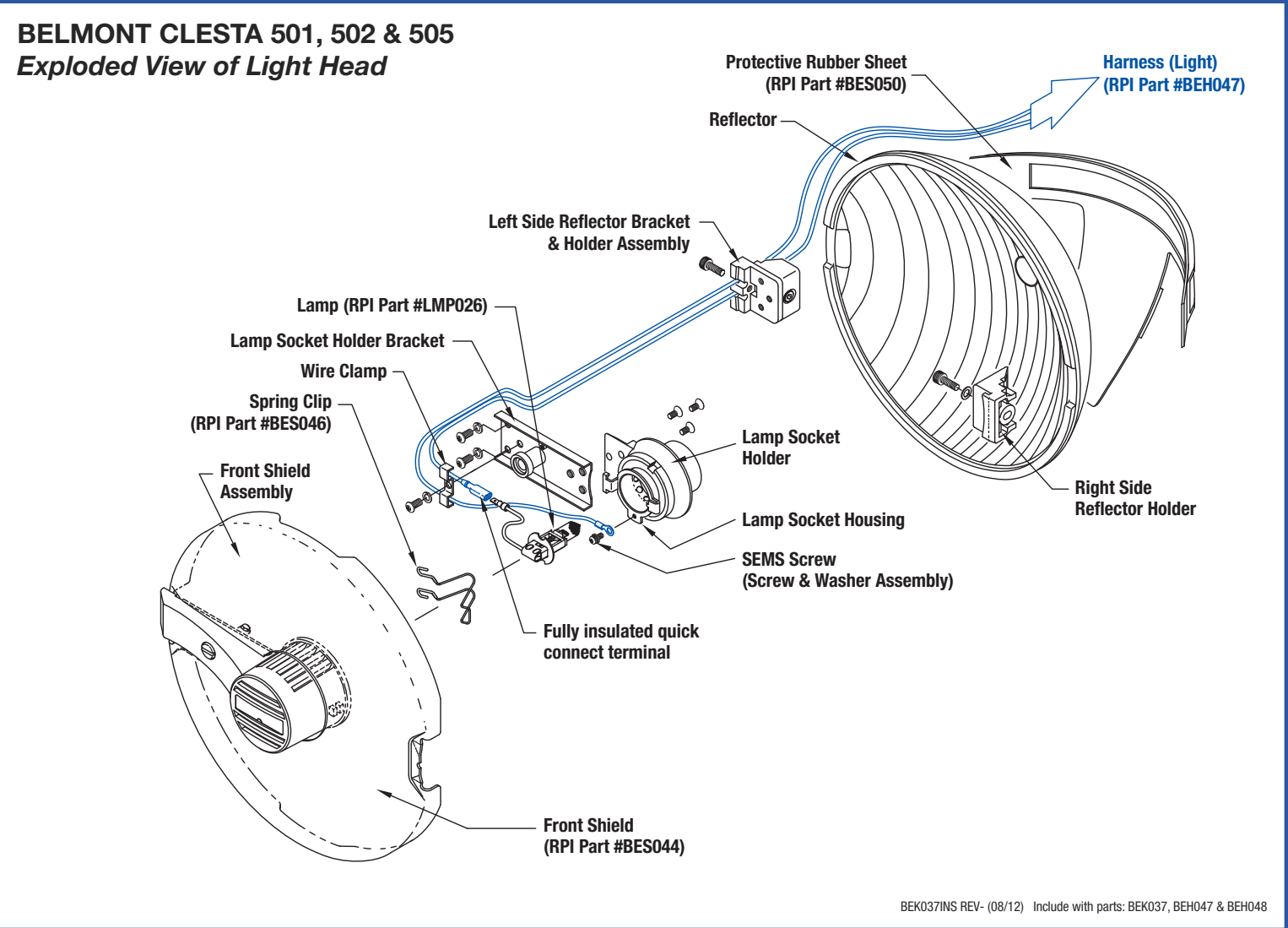


FIGURE 2
Harness (Touchless Sensor) (RPI Part #BEH048)
WIRING DIAGRAM

1	WHITE/GRAY
2	WHITE
3	WHITE/YELLOW
4	WHITE/BLUE

BEK037INS REV- (08/12) Include with parts: BEK037, BEH047 & BEH048