



AHWG TSB#3–DRV Battery Replacement

Product: DRV 80 Gen. 1, DRV40 & DRV80 Gen. 2

Technical Assessment Reference: N/A

Topic/Problem Replacement & Resolution: Battery Replacement

The following will explain the necessary parts and procedure to fully replace the internal battery’s (p/n D9022) on all DRV products. If the battery’s run low, the DRV will display ‘Error Battery’ (see Figures 1 and 2) and drive to the full cold/recirculation position (i.e. depending on system condition valve will pass full cold or all recirculation water only). The batteries are only to power the DRV to the full cold/recirculation position in the event of a loss in AC power; they do NOT back up the power supply. Armstrong recommends replacing the batteries once a year at a minimum.

Below is a list of parts that are included in the replacement kits:

- Battery – p/n D9022 (2x per DRV req’d)

Tools Required:

- Phillips Head Screw Driver



Figure 1: Battery



Figure 2: Error Battery

Replacement Process/Steps:

1. Power down the DRV by pulling the power cord from the outlet it is connected to, or turning off the switch if hard wired
2. If replacing a DRV Gen. 1 battery:
 - a. Remove the 8 screws holding the front cover on (hold cover in place as it is heavy) (see Figure 3)
 - b. Slowly rotate the cover away and access/replace the 2 batteries located at the bottom of the PCBA (see Figure 4)
 - c. Reverse steps above to put back in to service



Figure 3: Front Cover Access



Figure 4: LCD Rotate/Battery Access

3. If replacing a DRV40 &/or DRV80 Gen. 2 battery:
 - a. Remove the 2 screws located at the bottom of the plastic electric housing (*see Figure 5*)
 - b. Slide the battery tray out/down and access/replace the 2 batteries (*see Figure 6*)
 - c. Reverse steps above to put back in to service



Figure 5: Battery Tray Access

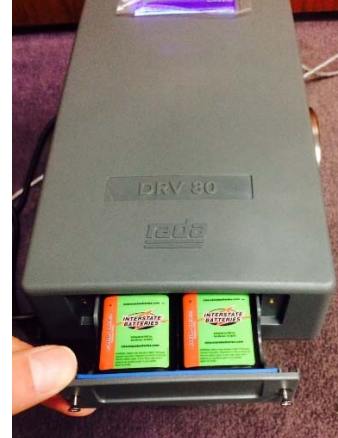


Figure 6: Battery Access

Quick Links:

- [DRV40 IOM](#) [DRV80 IOM](#)