

## X320 AC Build Change

### Overview:

The X320 AC connector arrangement has been changed to a potted connection where the lead will pass through the cable gland and be soldered to a small potted PCB. This means the 3pin AC connection using the LTW lead will no longer be used on AC X320 units.

This will solve the issue of LTW leads failing in certain chemical situations and provide a high quality sealing solution that prevents capillary action leaks through the cable and isn't reliant on correct gland tightening at the installation site.

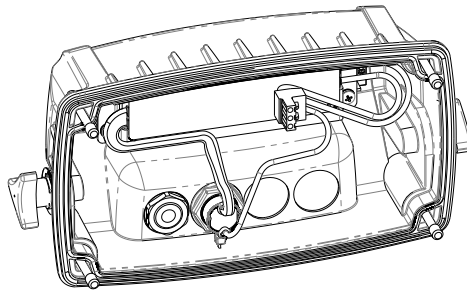


Figure 1: Potted AC Connector

### New Spare Parts:

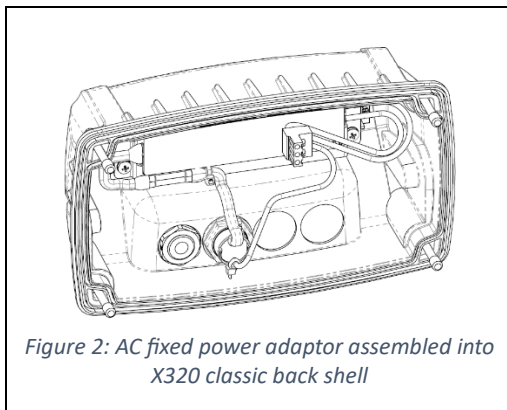


Figure 2: AC fixed power adaptor assembled into X320 classic back shell

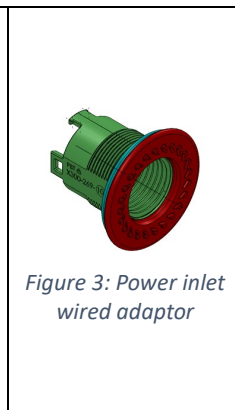


Figure 3: Power inlet wired adaptor



Figure 4: Wiring details

For repairs, there are two options:

1. Replace the entire boot.
  - 781055-AC1 X320 AC PSU, Fixed Power Lead, AU in Rear Shell
  - 781055-AC2 X320 AC PSU, Fixed Power Lead, UK in Rear Shell
  - 781055-AC3 X320 AC PSU, Fixed Power Lead, US in Rear Shell
  - 781055-AC4 X320 AC PSU, Fixed Power Lead, EU in Rear Shell
2. Replace the potted connection with ready-to-fit spare part.
  - 780416 X320 AC power lead Assem, Butt splice conns, AU
  - 780417 X320 AC power lead Assem, Butt splice conns, US
  - 780418 X320 AC power lead Assem, Butt splice conns, EU
  - 780419 X320 AC power lead Assem, Butt splice conns, UK

### Tools required for the swap

- Wire cutter/stripper
- Hex socket for removing connector & nut and refitting nut to potted connection adaptor (same nut – same size socket). Hex socket is recommended so as not to damage the plastic nut. 3D printed sockets supplied some time ago would be perfect. 1" Socket tall 26mm - 19mm Hex Tool can be ordered with Stockcode 410665.
- Crimp tool for butt splice joiners
- Hot air gun for heat shrink