



Replacing an IPC Irwin ABS Case

Instructions

The first step is to release the cable gland used to fix the mains cable to the back of the case, your unit may have the older two part type cable gland, if so follow instruction (a) if the newer compression type cable gland is fitted follow instruction (b), please note removing the two part type can be quite difficult.

- a) Use a pair of pliers to squash the two parts of the clamp together, then pull the mains cable firmly up and away from the smaller section of the clamp, at an angle of about 45 degrees, whilst maintaining the pressure using the pliers, this should allow the clamp to be removed. If this proves too difficult, use a small hacksaw to cut around the clamp, being careful not to cut the mains cable.
- b) To release this type of cable gland by simply unscrew the locking nut using an 18mm spanner. Once the mains cable gland has been released, remove the four nuts and bolts that hold the front panel to the case (retain these).

Now slide the front panel from the case (note that the mains cable is fixed to the base of the front panel by a black plastic cable clamp), remove the nut from the top of the clamp to release the mains cable. The live (brown), neutral (blue) and earth (yellow/green) mains cable wires now need to be removed from the mains switch and earth connection point. **Note:** the older units use a push-on connector which can be simply pulled off, on the newer units these are soldered and therefore will have to be unsoldered. Supplied are a spare cable clamp and a replacement compression type cable gland, **note:** we recommend using the replacement cable gland rather than trying to refit the older two part cable gland. To fit the cable gland first feed the cable through the locking nut, then through the new case (from the back) and then feed the domed section (thread first) onto the cable and tighten the dome too securely fix it to the cable. **Note:** the distance between the cable gland and the cable clamp (see below) should be approx. 10cm.

Now reconnect the mains cable wires to the mains switch and earth connection point (either by using the push-on connectors or re-soldering), then refit the mains cable to the cable clamp and reassemble. Next feed the threaded section of cable gland into the hole in the case and thread the locking nut on, then tighten firmly. Finally slide the front panel back into the case and secure in place using the four nuts and bolts.

IMPORTANT: The unit MUST be PAT Tested after this procedure.

Should you have any queries, please do not hesitate to contact us and we will be happy to help.

