



## Power Pack Internal Damage

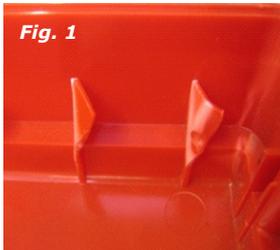
Although the PORPR-1700 *Power Pack* is a rugged unit capable of many years of professional use in the *field*, it is not unusual for a *Power Pack* to develop problems as a result of being accidentally dropped or following abuse and/or rough handling. All battery manufacturers specify that their batteries should never be dropped or short-circuited.

The casing of the PORPR-1700 *Power Pack* is manufactured from a very tough industrial plastic, incorporating an inbuilt shock absorbency design that can help to save the battery from sustaining damage even if dropped - but not always.

Unlike many cheaper packs the 1700's case will not shatter when dropped, which often makes repair an economically viable option.

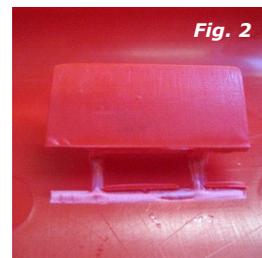
If a *Power Pack* has been accidentally dropped, however, or has sustained heavy impact, the condition of the casing and of the battery must then be determined to ensure continued reliability. To do this:-

1. Remove the back of the *Power Pack*.
2. Remove the battery.
3. Inspect the internal structure of the casing for damage. (Figs. 1- 3)  
(Look in the area around and below where the battery is located).



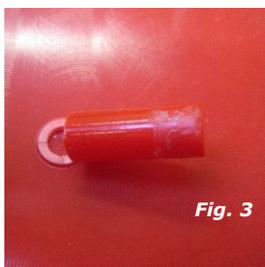
Typically, the weight of the battery may have damaged the internal casing fins following a Pack being dropped (Fig.1).

(Fig.2) Clearly shows the battery retainer, situated on the rear case, which has been damaged by the sheer force of the battery, following a dropped Pack.

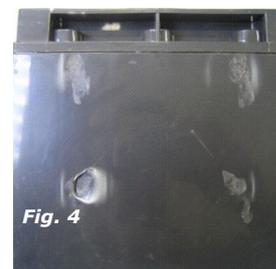


**Note 1:** Following a dropping incident, always inspect the battery itself to see if the anti-rattle posts are broken (Fig. 3) or have punctured the case of the battery as in (Fig. 4).

**Note 2 :** More recent Packs have rubber "shock absorbers" fitted over posts.



Look carefully for other signs of stress fracturing (white marks) on the battery casing which could have easily damaged the battery plates or cause acid leakage.



For Further Help & Assistance Contact  
The Portable Power (UK) Service Department  
Portable Power Ltd (UK)  
+44 [0] 1423 861616  
[Service@portablepowerltd.com](mailto:Service@portablepowerltd.com)