

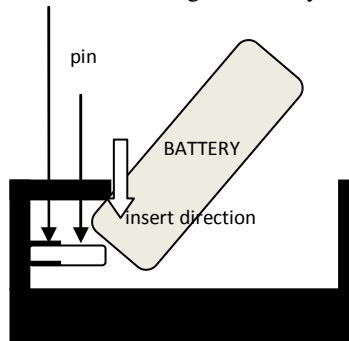
Subject: iPad Battery Charger Contacts

Overview

An improvement has been made to the iPad Single Battery Charger to improve the reliability and robustness of the contacts within the Charger.

Problem

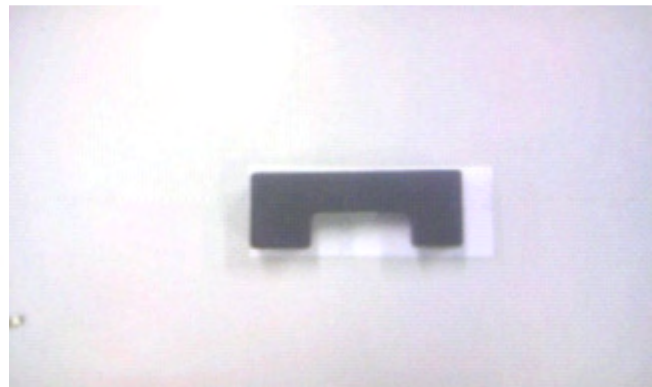
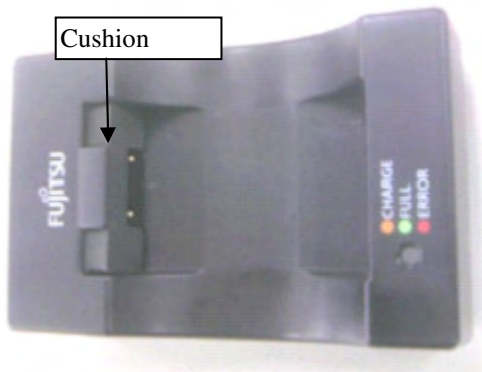
It was found that if the Battery is not inserted into the Charger correctly, the Battery can press sideways on the Contact Pins and cause them to bend or for the contact joints to break resulting in an early failure of the Charger.



Solution

A solution has been found where a 'cushion' is added around the charger pins. While simple in appearance, it is a full solution and accomplishes several things:

- Forces the battery into correct position before the pins are contacted.
- Absorbs any extra force that would have previously been applied to the pins.
- Holds the battery more securely in the charger.



INQUIRIES TO:		DATE
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Original signature copies maintained by Sustaining Engineering.		

This change results in the following part number changes:

Part Number	Description	Notes
11001796 CA05951-7081 USA0219451	Single Pack Charger	Obsolete – Replaced by CA05951-7082
iPAD142-61 11002046	Single Pack Charger, with Rubber Retainer, Lobblaws Rubber, P-Strip, 5/8” Length	Obsolete – Replaced by CA05951-7082 Obsolete – was used in iPAD142-61
CA05951-7082	Single Pack Charger, with Battery Cushion	
CA05951-7083	Battery Cushion	Spares/upgrades only

Impact

- Production
 - All production stock will be updated to the new part number and configuration. Rework materials provided to FHR (250) for rework of the 242 Chargers in stock and to Plattsburgh (50) to rework 42 Chargers in stock (as of August 11, 2009).
 - All FFNA shipments after August 11, 2009 will have this change implemented, however there could be a few shipped from Integration/Staging after that date. A Stop Ship has been placed on the old part numbers, however any COI or Finished Goods will not be pulled for rework.
- Installed Units
 - The Battery Charger is not typically a serviced part (expensed), therefore installed units will be on a Fit-On-Fail basis only.
 - The Battery Cushion part above is being added to the spares system so if requested/required they can be ordered or otherwise send to and installed by the customer/user if required.
- Repair Center
 - These Battery Chargers are not typically returned for repair because of their cost, however, if a returned Charger is otherwise repairable, the new Cushion must be added before return to stock or the customer.
- Service Spares
 - All Spare Stock to be upgraded. Materials provided to US (1500) & Canada (600) Spares Logistics.
 - All new orders (to the manufacturer, or from the field) should be of the new part number.
 - Any field or customer order for the old parts above, should be referenced forward to the new part number.

Upgrade Instructions

The instructions below can be used for upgrading ‘Stock’ units or units installed at a customer/user site.

Time to install: <1 minute, plus any stocking/handling
 Materials needed: CA05951-7083 Battery Charger Cushion 1 per Battery Charger
 Tools needed: None

- Remove Battery from the Charger
- Unplug power from the Charger
- Peel the adhesive backing from the Cushion
- Install the Cushion so that its top surface is against the top Battery Guide, with adhesive side to the Charger face
 - The notch in the Cushion should surround but not touch the Contact Pins
 - Reference illustration above
- Press the Cushion in place, along the top and both sides
- If this Charger is being returned to stock, reinstall it into its original box and packaging
 - Re-label the outside of the box with the new part number – CA05951-7082
- Done.