

Nikon DSLR - Feature #1089

Repair D3

05/06/2014 01:31 AM - tin

Status: Closed	Start date: 05/06/2014
Priority: High	Due date: 05/11/2014
Assignee: tin	% Done: 90%
Category:	Estimated time: 10.00 hours
Target version: D3 Repair	

Description

Initial issues

- No power on
- No battery
- Damaged battery cover

Fixes:

- 2SK2023 PNP BJT blown on DC-DC board. After replacement to new one camera powers on and functions
- Top, Iso aux and viewfinder LCDs are not working. Fixed by FPC cables reconnect and cleaning
- Mirror unit lockups after most of shots

To be fixed:

- Buy EN-EL4a battery and charger
- Buy strap

History

#1 - 05/08/2014 04:08 PM - tin

- % Done changed from 0 to 30

- Buy EN-EL4a battery and charger
- Buy strap

Shipped, waiting for delivery.

fbody.jpg
fbody1.jpg
fbody2.jpg

Also found dodgy diode. It seem to be working, 0.74V Vf, but it was definitely heating up before. Not sure if it's "normal".

fdiode.jpg

Problem is in that chunk of mechanics, aperture/mirror control unit.

One of levers for exposure metering unit was bent, fixed it. Should be some other problem somewhere too, which prevents mechanics to interact correctly.

#2 - 05/10/2014 02:58 AM - tin

- % Done changed from 30 to 70

extra_parts.jpg

test_d3.jpg
test1.jpg
test2.jpg
test3.jpg
test4.jpg
test5.jpg

Left to do:

- Receive battery and test with battery power
- Autofocus need adjustment, with 50/1.4D it gets too close. Likely AF unit alignment or adjustment.
- Standard AF-ON button does not work (no reaction). AF-ON on portrait side works fine.
- Refurbish rubber pads
- Clean image sensor. :)

#3 - 05/10/2014 05:46 PM - tin

Standard AF-ON button does not work (no reaction). AF-ON on portrait side works fine.
Clean image sensor. :)

Done, AF-ON was disabled in menu.

#4 - 05/10/2014 08:27 PM - tin

- % Done changed from 70 to 90

Autofocus need adjustment, with 50/1.4D it gets too close. Likely AF unit alignment or adjustment.

Done via adjusting AF finetune +4 and turning two AF module screws [#295](#) 4.5 turns counterclockwise.

#5 - 05/11/2014 02:30 PM - tin

- Description updated

#6 - 05/13/2014 05:38 PM - tin

- File [_D3T0083.jpg](#) added

Received new battery cover BL-4

#7 - 05/25/2014 02:22 AM - tin

- Status changed from In Progress to Resolved

Fixed second EN-EL4a battery.
Repair done.

Need write article and close issue.

#8 - 07/27/2015 04:57 AM - tin

- Status changed from Resolved to Closed

Files

_D3T0083.jpg	49.7 KB	05/13/2014	tin
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