THE FOUR STROOKS repairs

Moderators: Mug UK, Dave E, spitz, Steelpillow, Moderator Team

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THE FOUR STROOKS repairs

By **C. Bowen** » Fri Apr 10, 2015 3:46 am

well alone is cool

original reference topics

http://www.atari-forum.com/viewtopic.php?...&t=103864

http://www.atari-forum.com/viewtopic.php?...&t=103865

https://translate.google.co.za/translate?...%3B%3B%3B

grunge

German simplification and French

rev 1 EB

just now I have 2 datasheets for repair from members.

its best I do all three at once

no drive shrouds or engrish too.... I see tears of blood has to go back now behind

I have 2 datasheets for repair from members. I see tears of blood

datasheets with no make a product as in can work on both sides of the film dictrate full displays pick parts on drivers ...)

if post details of exact cost of the mousing pg and shell to hold the machine pick

Target at the drawing...

so... Read but now on the drawing

we get the engrish now from it the owner. I just find by email or skypes

the machine arrived at my door in a broken package with no return address

I guess about the underdogs pose can be lower to return it

grunge

a German too from engrish. no email

I have 2 datasheets for repair from members and shell and replace the rom for engrish

but the display does half work just now the rm the rom. from RS displays

there is a charge pump inside the display housing you need to remove and replace the capacitors

I have sometimes meets that this connection of the pin is the pick hole. Not the pin and not the connectors

or

I'll send today a French rom machine I was told I have and it is I'll we have the other rom

I have 2 datasheets for repair from members. I see tears of blood

will be I hope a rom. I am also the collection

some usual issues

I have 2 datasheets for repair...

perhaps your used a dispenser of one I hope...

I have 2 datasheets for repair from members

so I'll post some pics and find the other topic with the rom images posts

I have 2 datasheets for repair...

post more pics of all these chassis

there too are the actual serial numbers

I have 2 datasheets for repair...

of which one is the rom less boys and tint it into the other chassis posts rue made

I have 2 datasheets for repair...

we found its far better too just remove and replace all the and caps with better ones as a wife for good

I have 2 datasheets for repair...

Last edited by C. Bowen on Fri Apr 10, 2015 3:46 am, edited 2 times in total.

Re: THE THREE STROOKS repairs

By **C. Bowen** » Fri Apr 10, 2015 3:51 am

time to make a 3 X line of parts

if replace all the caps and rom is quickly brand new ones ....

only way too be sure of a lasting repair... ... ...

4stbooks

nice...
3 known members 1 book i cant ... i trace the sender from holland its been ready for over a year
it arrived in a sony state...

Re: THE FOUR STBOOKS repairs

by **Guest** » Thu May 21, 2015 2:13 pm

Guest

... del

Last edited by Guest on Thu May 21, 2015 2:25 pm, edited 1 time in total.

Re: THE FOUR STBOOKS repairs

by **Guest** » Thu May 21, 2015 2:18 pm

Guest

some bits arrived waiting for capacitor kits (smd)
ill unscrew all the hdds and replace them with dual CF card caddys
i will link each drive up to the falcon and try to recover what i can

and ask the owners here???
who wants between the three of you to be able to have
a ide secondary card cf or cf sdcard adapter (need hddriver v9 etc..)
it means taking a small strip of plastic off and reworking the power pcb from the socket
see the posts before read over
its an easy mod
for malcolm i added a sd card it took more room but worked like magic

but by just taking a pinch out the psu transfer board with a dremil and adding two wires
there is room then to add a CFcard or a cf to sdcard adapter to the secondary ide for pc transfers .....
or as a back up boot device... if you delete the driver or it corrupts for some reason (not come across it but can happen!)
then you can restore the internal card

as for EL etc displays
what i will do is mod the one i got from holland the owner never gets back to me
not sure they are still with me and you
no address arrived at my door in a plastic bag not nice.....
now works ask but 3 lines on the display (out with the kinar wire)

lets see how the display turns out with the cut to size
and 2.5mm socket added for the external supply

as for buzzing

doesnt sound like the psu is much good replace it
but look up the details of the card to match up what you need

inside the psu will be a core
you can try some solid hot melt glue attach on it
may chill it out.... works for me

you can get displays in RGB as arrays
and address areas these days

you connect the display via 2 wires only
the data is on the supply to it

and you can a small run of custom size and addressing
and usually one usb
so you can decorate your stbook or stacy...
replace the caps in the stacy for sure... and the book

mega death to the display in the book

lets see whats inside all these displays thrus.... not copper for sure...

Last edited by Guest on Thu May 21, 2015 2:41 pm, edited 2 times in total.

Re: THE FOUR STBOOKS repairs

by **Guest** » Thu May 21, 2015 2:28 pm

Guest

> **jvaa wrote:**
> Thanks Simbo, but all respect should go to Joska. i Received my replacement Stacy case from him in this box...

quality....

ill put a few sticker on it on its way back ....
perhaps it will live longer than me and you?? LOL(@)

Re: THE FOUR STBOOKS repairs

by **Guest** » Thu May 21, 2015 2:49 pm

Guest

ok more on the internal cell

and memory

looking at these machines they are all 1MB

would be nice to see a 4MB machine

so ill try to source the correct chips for replacing who knows at the moment

so looking at the internal cell its a ML2016 ... tabbed
i got 5 from ebay.com (not uk or fr etc .com)
for $7 each and free post so quite cheep

i think using other than the correct cell is a bad idea as the charging circuit and fail safe ram supply is fussy
using a good battery is a great idea

there is a guide how to rework the cell
you can use nicad or lithium for the main cell

but using the correct charge circuit

so look on ebay for RC models 12v cell chargers
youll find a pcb for like £3 inc post.... . simple has two leds run charged..

Re: THE FOUR STBOOKS repairs

by **jvaa** » Thu May 21, 2015 8:37 pm

jvaa
Creation Alien

Posts: 468
Joined: Fri Jan 28, 2005 8:30 am
Location: Budapest, Hungary
Contact:

Thanks for the update Simbo. For me, a secondary card slot has no use, as long as i can hook my UltraStatan to the ACSI port... The memory and LCD upgrade would be fine, but don't want to put too much load on you...

Re: THE FOUR STBOOKS repairs

by **Robson** » Fri May 22, 2015 12:38 am

Robson
Atari Super Hero

Posts: 858
Joined: Sat Feb 18, 2006 11:03 pm
Location: London
Contact:

Re: Extra HDD - that's a no from me as well.
Ram: That's a yes.

For me the total upgrades:
- CF (I have the backup of the original drives I will send it to you just in case)
- Memory to 4MB (if possible)
- Screen backlit
- You mentioned TOS upgrade, I am not too bothered by the German but you can give this little fella some English lessons. Please do the UK TOS. I guess the original will come back.

Edit: After seeing Joe's comment about the PSU: I have the one i made for my Book but if there is a better solution or even a just a source for buying the 3pin din plug I'd be interested.

Thanks for all your help again.

Last edited by **Robson** on Fri May 22, 2015 1:50 pm, edited 2 times in total.

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https://sites.google.com/view/terczesbi/home

Re: THE FOUR STBOOKS repairs

by **JoeAtari** » Fri May 22, 2015 12:42 pm

JoeAtari
Creation Alien

Posts: 165
Joined: Wed Dec 26, 2012 12:20 pm
Location: Chino Valley, Arizona, USA
Contact:

For me:
All the upgrades sound great since I have sent it such a long way

The main priorities for me would be:
Screen repair
Hinge repair
Power adapter
CF adapter/drive
U.S. TOS
4 MB RAM

Would also love to source an adapter for the weird ACSI port, but if the SD card is external that would be just as good.

Thanks!

JoeAtari
FalconProductions - Chino Valley, Arizona, USA
http://www.falconproductions.us
http://www.facebook.com/AtariSTBook

Re: THE FOUR STBOOKS repairs

by **Guest** » Wed May 27, 2015 9:32 am

Guest

so the batteries arrived and ive fitted the cfcard adapters to all machines

waiting for the caps kitz then ill fit them all fit the new internal batteries and fire them up one at a time

tonight ive setup my falcon again and ill plug in the hdd see what they do try to recover
would be nice also too have the tools set as german french and engish
you never know

we have german and us english uk english was never made i think

i f you look at the rom numbers there is gaps
so

anyway if you want german and english with a small (very) switch this is possible
by piggy back the eproms and switch the IN line very easy....

two wires few solders fits fine under the keyboard
but not three way just two

so... ill make up some labels for stuff people want and place them on the machines
few days till the caps arrive

the flap is fixed as above

the EL backlight is easy
sheet of A4 cut to size solder two wires to it from a 2.5mm socket you add to the display side
then add a PWM 33v supply to the socket so you can adjust the brightness
you can also use a sheet of poly screen defuser
so when you have the backlight off you get a better display even to what we have with no backlight added

its so hard too see ... anyway

caps arrive then the work begins im doing other things just now got some nice simms for two stram boards i need to upgrade

the ones i have when added were no good (wrong layout) found some of the hyundi ones i found worked perfect

Re: THE FOUR STBOOKS repairs

by **jvaa** » Wed May 27, 2015 10:47 am

jvaa
Creation Alien

Posts: 468
Joined: Fri Jan 28, 2005 8:30 am
Location: Budapest, Hungary
Contact:

Thanks for the update Simbo. Appreciated! For me single UK TOS is sufficient, no need for German one.

Re: THE FOUR STBOOKS repairs

by **Robson** » Wed May 27, 2015 12:42 pm

Robson
Atari Super Hero

Posts: 858
Joined: Sat Feb 18, 2006 11:03 pm
Location: London
Contact:

I knew you're going to come up with something.

Please stick with the updates stated above only for my book as well.

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https://sites.google.com/view/terczesbi/home

Re: THE FOUR STBOOKS repairs

by **Guest** » Tue Jun 02, 2015 4:30 am

Guest

no probs
so... the caps kits have arrived from HK (http://www.ictouchstore.com)
ill start to change each machines today will take about 1-2hrs each machine
its a nice kit the pictures on ebay dont do it justice as it makes them look too big
they are also non vented so will last longer
on with the solder iron and the light and change out four machines worth...

changing the caps take a picture or two macro mode no flash daylight of the pcb
for reference
take the old set off then you need to use IPA
local chemist about £5 for 500ml youll need to talk to the pharmasist
on ebay http://www.ebay.co.uk/sch/i.html?_nkw=1 ... eName=GSTL

wow ...http://www.ebay.co.uk/itm/1-X-5-LITRE-L ... 3a802028fb0

or you can visit bigger maplin stores and get a 1ltr can for about £15 if they still stock it
while in maplin you can also get fleased and ripped off of every penny...

and some cotton buds (qtips)
and clean the caps pads of all solder heat a wipe with ipa
any rotten tin lead from the old caps alkaline leaks

above all you can buy a box of books of ph paper for like £3-4 i see on ebay inc postage free!!
so dont be shy to use it on spills you need to see what it is http://www.ebay.co.uk/sch/i.html?_nkw=p ... eName=GSTL
use some vinegar (acetic acid) or milk of magnesia or bicarb (alkaline) on a qtip and treat the area around the cap
it may bubble youll see discoloured pins on chips that look gray and not white ..(shiny)
this is where the tin in the solder and the lead has changed state
just mortalise to ph 7 and leave it alone it will go black... so becomes a thick oxide...layer
much as aluminium goes whitesh and doesnt oxidise further...

you can spray affected ics with art fixer spray (very handy stuff keep air out)
so it wont rot more at the pins of the ic esp where the pin enters the plastic body of an ic
a problem that will occur more and more and is the next big killer. esp amiga....
and wont conduct correctly and also leaving the output of the leaky cap around
will cause further rot as the alkaline inside caps when it leaks dries out from water then its added oils
then it becomes very vitrus... and its will eat through first the lead tin on a chip pin
then easily munch thru the copper .... in a few mins...
so
then use another bud and some water to remove anything left
and let it dry out do this a few times
you can wet it with a syringe
i just put an angle poise light over the pcb for a couple of mins
speeds things up like glue setting dry out etc
then resolder the pads to tin them and wet with flux the caps pins and fit the caps

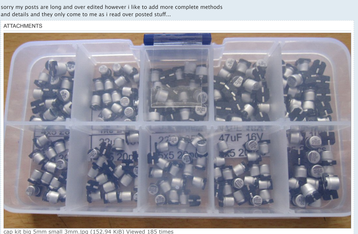
ordering a grouping is needed for these stbooks to make efficient repair

so im glad i have a 4 group to work on all at once...

so ill take an hour and dig out the chip details for 4MB of ram
its no real problem with changing these memory ics
i think ill need to talk too a pal in japan to get nos ic's
back to skype and a long night
oh ye and the last time i bought them they were $5.60 each
and you need 8

sorry my posts are long and over edited however i like to add more complete methods
and details and they only come to me as i read over posted stuff....

ATTACHMENTS



cap kit big 5mm small 3mm.jpg (152.94 KiB) Viewed 185 times

Last edited by Guest on Tue Jun 02, 2015 6:00 am, edited 29 times in total.

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