

# THE FOUR STBOOKS repairs

Moderators: **Mug UK**, **Zorro 2**, **spiny**, **Greenious**, Moderator Team

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163 posts

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Re: THE FOUR STBOOKS repairs

by **JoeAtari** » Fri Jul 31, 2015 12:09 pm

Wow! Amazing! I do have a French last name, but no need for the French TOS. US is fine for me. Great work!

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JoeAtari

Captain Atari

★★★★★

Posts: 165

Joined: Wed Dec 26, 2012 12:20 pm

Location: Chino Valley, Arizona, USA

Contact: 📧

Re: THE FOUR STBOOKS repairs

by **Mindthreat** » Fri Jul 31, 2015 12:17 pm

👍👍👍

"My attempt at trying to create cool things for the Atari Jaguar!" - <http://www.RISCGames.com>  
Check out my Atari-related YouTube Videos Here! - <https://www.youtube.com/channel/UCb7vFY...VqA/videos>  
Follow me on Twitter for some Atari ramblings and such: <https://twitter.com/mindthreat>

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Mindthreat


Captain Atari

★★★★★

Posts: 247

Joined: Mon Dec 15, 2014 8:39 pm

Contact: 📧



Re: THE FOUR STBOOKS repairs

by **Guest** » Fri Jul 31, 2015 2:14 pm

ok all understood  
eyes much better now....  
optrex is pretty good stuff

now back to the tracks damage on the plastic film on robsons  
as you can see 8 tracks damaged and two are severed {two lines missing}  
numbered left to right  
1 2 ok  
3 4 open and shorted together at the driver {could be a problem prob not}  
5 6 7 8 are displaced but look ok conductive wise  
so i will just deshort and connect over 3 and 4  
and stabalise it with some epoxy once its tested as ok

minimal is maxi here  
dont think going playing with all the tracking is a goot idea on plastic  
👍

i have a trick here

its called wire glue .... look here [http://www.ebay.co.uk/sch/i.html?\\_from=...e&\\_sacat=0](http://www.ebay.co.uk/sch/i.html?_from=...e&_sacat=0)

you need to give it a REALLY good stir up before you apply it  
what ill do is use some thin tape {you used to get it for making pcbs }  
its like 1MM wide  
and a 00 double zero sable brush ...  
so one track at a time  
move over the bad metals to remove the short  
then mask and paint a few coats of the wire glue on  
oh ye dont paint the tape use it as a channel otherwise when its dry and you pull it gently off it will lift the glue off also


its really handy stuff esp for keyboards thinfilm types you cant get now or remote control or computer keyboard pads or keyclicks  
to recoat them

and for jobs like this where its too little to do to warrent an iron  
you can just use the iron to dry it faster {2 to 3 mins iron 20mm away}.. then apply another coat  
i would use perhaps 6 or 7 coats see if its aok or apply more  
its such a small gap it wont take many to make a low resistance {measure it with a meter}  
remove the masking and do the other track

its just too delicate to use any heat at all  
im going to use the same system for the other display  
ive tinked the four connection of that and ill tell you its tricky...and they are 1/3rd the width of these ones  
the trick is to make a hole in the center of the bad tracks  
and use a bent needle from behind to pull the dent out  
although in this case perhaps not ... as less is more if it tests good leave it alone because it will prob stay good  
👍

<http://www.ebay.co.uk/itm/0-3ML-Silver-...2c8eae3e03>  
you can use this also but i prefer the wire glue its better i think as its more flexible  
the silver stuffers decohesion and fragments after a couple of years  
i also think this product is very dangerous ... i wouldnt like this injected for sure...  
handy for vampires... not so good for humans moreover little ones...👍  
i think even 1ml of silver would do god knows what ....?? in your blood stream

ATTACHMENTS



stbook columb track damage.jpg (80.7 KiB) Viewed 122 times

Re: THE FOUR STBOOKS repairs

by **jvas** » Fri Jul 31, 2015 9:30 pm

Back to shipping: I'm really afraid of the stbook will be broken... Can't you put the whole wood box into a paper box? I would pay for you extra costs of course...

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66

jvas

Captain Atari


★★★★★

Posts: 468

Joined: Fri Jan 28, 2005 8:30 am

Location: Budapest, Hungary

Contact: 📧



Re: THE FOUR STBOOKS repairs

by **Robson** » Fri Jul 31, 2015 9:34 pm

66 simbo2 wrote:  
minimal is maxi here

100% agreed.  
That wire glue looks good. Thanks for this.

<https://sites.google.com/view/tercsirabi/home>

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Robson

Atari Super Hero

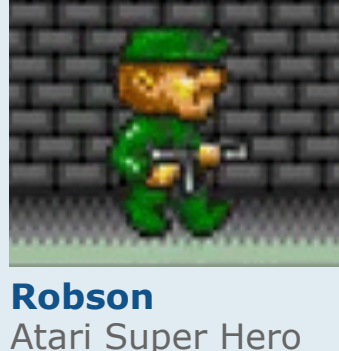
★★★★★

Posts: 858

Joined: Sat Feb 18, 2006 11:03 pm

Location: London

Contact: 📧



Re: THE FOUR STBOOKS repairs

by **Guest** » Sat Aug 01, 2015 5:06 am

i got a couple more rolls of tape

the guy at the post office advised me to wrap the whole of the wood in tape to avoid splitters {fda never used to be a problem}

so ive got around to wrapping it fully apart from the lid right and address panel added

lots of fragile tape and i also wrapped the book in bubbles  
and taped it in place so it wont move around  
ill do a good job never had outgoing be a problem ...

back to the psu jvas  
do you want a laptop supply added i have a couple here 17v 3.15amps {toshiba fine really i dont need them and they are not getting used }  
3 pin input clover cable {laptop mains}

usual round output plug/socket you can clip off ill need to clip off the UK plug  
as they are lethal to packages and can kill computers with there pins

will allow you to power it from the battery pack or via the rear socket as i dont have the plug here i cant complete it  
but easy stuff !!! two wires you simply short the two + inputs on the rear socket  
then it will supply 16.4 v charge - one diode inside it wont matter so youll get 15V at the cells to charge  
perfect...

follow the little circuit i made few pages ago  
after a diode 17V becomes 16.4 as the diode will drop ~ 0.6 v  
two diodes like 1N5401 +in----->|->->|->+ and it becomes 15.8 16.4 is perfect ...

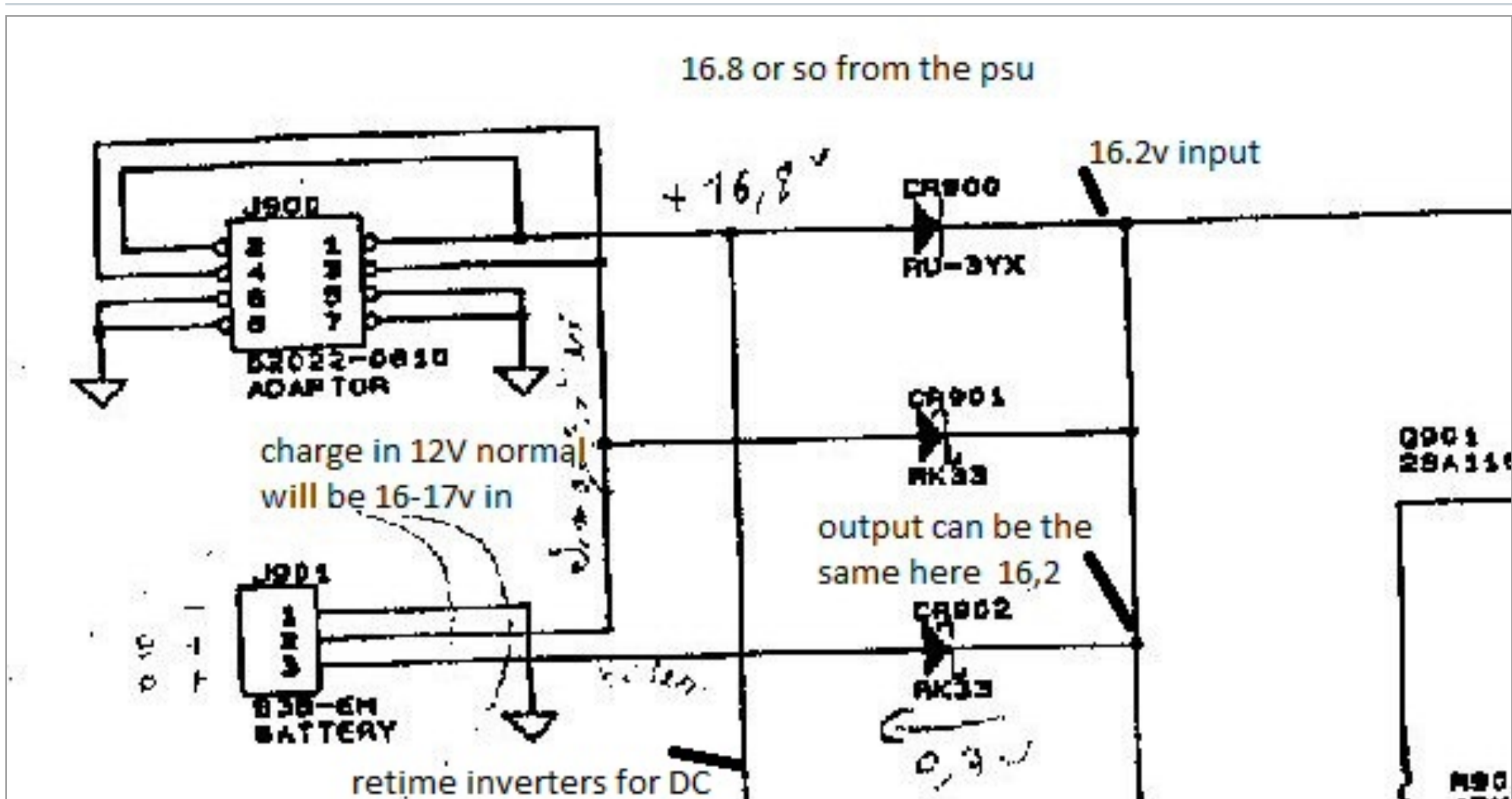
they run from 220V to 250V ac not sure the supply local to you i think its 235V 50hz?? yes will be 50Hz...  
if not ill seal it now after a final all is in place etc check and i can post on monday for defo ... done

if you fill the bat pack up as i posted then you can get the small pcb to connect them up for like E5 from ebay  
takes 3X5.3v lithium will charge them up using input of 10-32V and will output 15.6 volts... {i have a link to it }  
all you do is solder each cell to the pads for it the charge {via a diode } from the output side  
so when you apply charge it will do it remember it will still charge up as the same time as your using it  
so...  
and will charge also from the single laptop 17V supply and 3.5 amps or so is plenty!!  
i found a good source of lithium cells was to buy three of the rechargeable slide on packs for iphone 4s {cheep \$ } and break them open  
be carefull these cells when badly treated can go on fire  
so some cards between them 3 will fit easy inside the cells case..as well as the board and also one socket you can add  
so you can charge the cell on its own ... and or power at the same time you dont need to use the back socket

they use 5.3 or 5.6v flat small rectangle cells perfect for the small recharge management / combine board you get from ebay

the best powering i found and VERY reliable is to always have the 12- 16v cell added  
and charged as it also keeps the VRAM internal cell topped up this is the reason for the wee management board  
and sleep intacked fully  
will last like perhaps a few weeks like this not sure i only got to 50hrs uptime with 2300mA and gave up testing  
its the old coffee grinder used the amps using a CF card it worked here on a 12V cell 2300 for 50hrs and I just gave up and recharged it

ATTACHMENTS



socket and charge stbook mods.jpg (56.87 KiB) Viewed 104 times

Last edited by Guest on Sat Aug 01, 2015 6:00 am; edited 2 times in total.

Re: THE FOUR STBOOKS repairs

by **Guest** » Sat Aug 01, 2015 5:52 am

note about using laptop supplies is use a branded makers one  
avoid the unbranded remake one the branded ones are better filtered  
always use a surge protection mains for your setup  
to avoid any issues

and note about lithium cells  
watch out.... use card to isolate them and avoid bad connections

handle it right then you have no issues  
and the book will be happy with a 16V supply  
you will also notice that when the stbook is supplied with power via the rear connector ie 16.5v

there is a feed that changes the timing on the inverters for the 5v psu drive and lcd bias  
so you need just too short over one diode inside the book CR900  
to avoid the re-time and use 16v battery as well as dc supply as one  
the bat supply will be 15.999 - 0.616

cr901 and cr902 diodes are barrier type and they are there to clean up the rought bat supply  
and wont mind in any way more volts  
a clean lithium supply will cheer the whole system up  
and i suppose i can recomend it past nicads im happy either way 50 hrs is plenty  
i see it running for more than a week on lithium ...

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Guest

Atari Super Hero

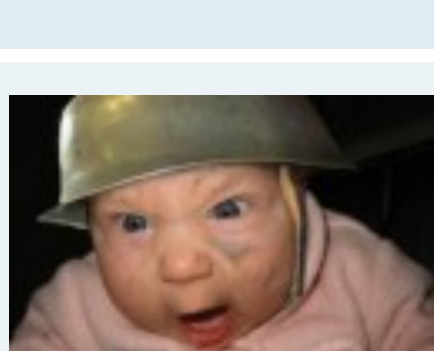
★★★★★

Posts: 468

Joined: Fri Jan 28, 2005 8:30 am

Location: Budapest, Hungary

Contact: 📧



Re: THE FOUR STBOOKS repairs

by **jvas** » Sat Aug 01, 2015 6:20 am

Thanks Simbo! I've just found an old IBM laptop PSU rated 16V. That'll be fine. Thanks again!

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Guest

Atari Super Hero

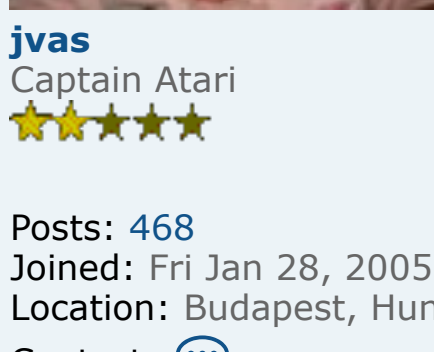
★★★★★

Posts: 468

Joined: Fri Jan 28, 2005 8:30 am

Location: Budapest, Hungary

Contact: 📧



Re: THE FOUR STBOOKS repairs

by **Guest** » Sat Aug 01, 2015 7:53 am

great stuff nice make old and wise...

👍

all done the lid is on

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Guest

Atari Super Hero

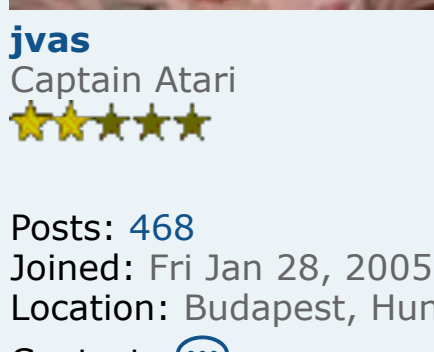
★★★★★

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Re: THE FOUR STBOOKS repairs

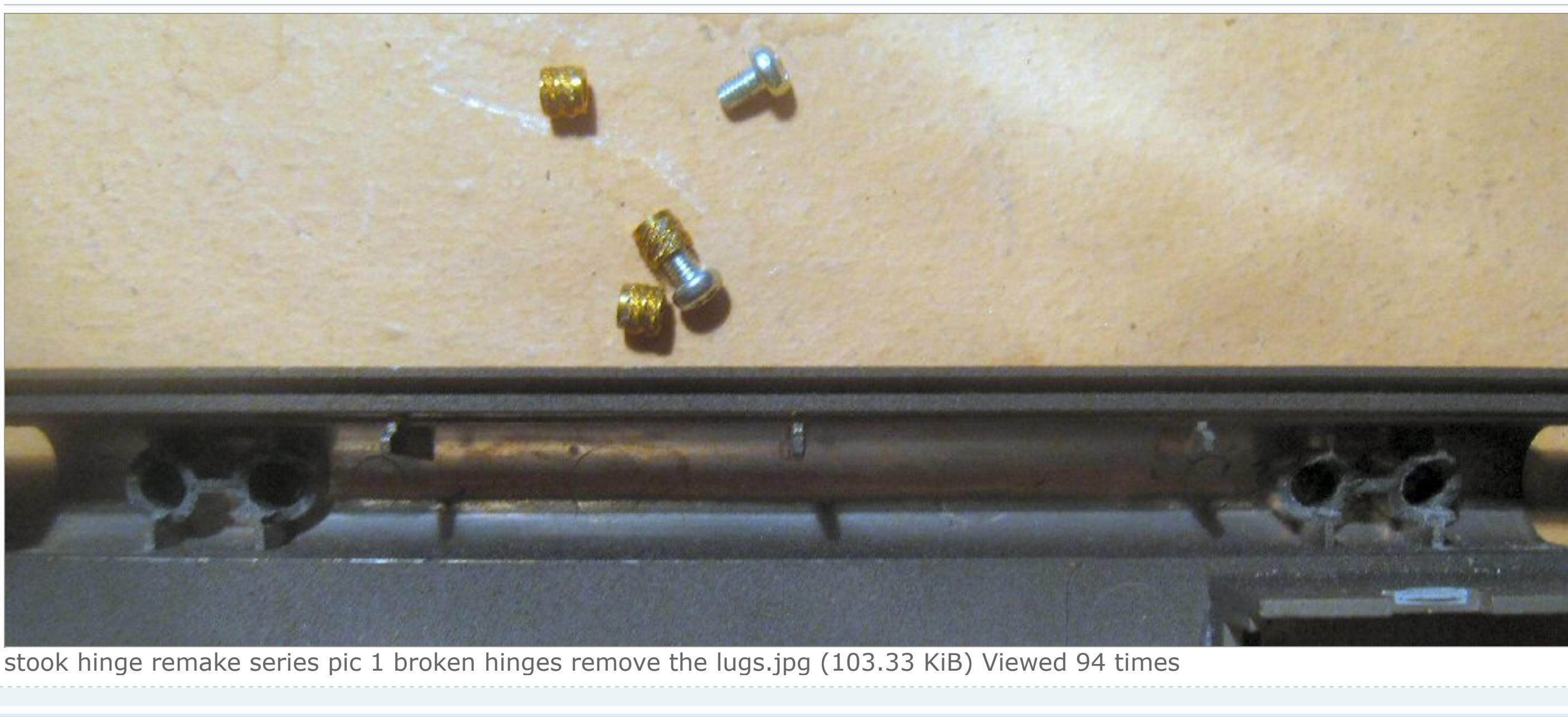
by **Guest** » Sat Aug 01, 2015 3:57 pm

new series of photos is the hinges as i rebuild them tomorrow  
pic 1 of both machines  
ive not dismantled joe ataris yet but ill rebuild both sides jvas machine was aok  
b  
here is robsons stook lid mounts or whats left of them  
and the burrel mounted screws in fused in?? slugs 🤔🤔🤔 mot where ripped out due too the hinges.  
ill use a series of nuts on one bolts  
set into the left over framework to stabilize it  
and clip it as needed

shutter the flow area of the fast set epoxy with blutac  
found nicer fast set epoxy now in the £ shop  
magic stuff  
1 pic to go on atleast people will know what too do past lubrication of the hingdes with grease not oil...!!!  
before they break off from the lid use some grease and compress the spring on it to get the lub inside the whole units  
use a cloth to clean off the left over ... and exercise it

off too sleep 🤔

ATTACHMENTS



stook hinge remake series pic 1 broken hinges remove the lugs.jpg (103.33 KiB) Viewed 94 times

Re: THE FOUR STBOOKS repairs

by **Guest** » Mon Aug 03, 2015 8:42 am

so here my plan is to heat the slugs {i recovered another few from an old atari case}  
and solder them into whats left of the mount holes heat and press home..  
put longer screws in place temp..  
then shutter with blutak epoxy fill and mount the screws once cured  
to leave nice mounts in epoxy blocks  
just to use the rough drill pad to make a good key for the epoxy  
then once its dry {10 mins} take the screws out and mount the lubricated hinges again  
looks a good method  
note about using the post offices in the uk  
dont...  
use online  
i expected it too be easy they tried to charge me 70 quid for a £25 journey...  
all done ill send all four back by courier  
the post office should be an office to post by any route

no matter done now...

ive soldered in the 3 original slugs and screws and recovered 1 from an old very yellow case  
and ill take more pictures after dinner...

and a 🤔🤔🤔

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Guest

Atari Super Hero

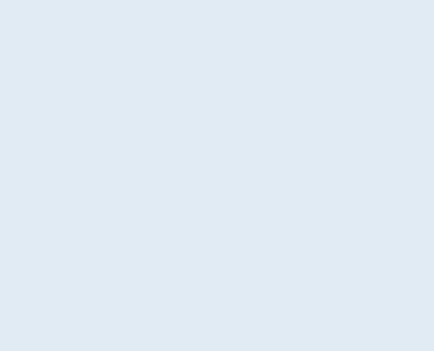
★★★★★

Posts: 468

Joined: Fri Jan 28, 2005 8:30 am

Location: Budapest, Hungary

Contact: 📧



Re: THE FOUR STBOOKS repairs

by **Mrtosbond** » Tue Oct 13, 2015 2:50 pm

Hi Simeon

Did you succeeded in getting my STBOOK proper working ?

Let me know please !

Cheers

Jos and Janneke from Holland

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Mrtosbond

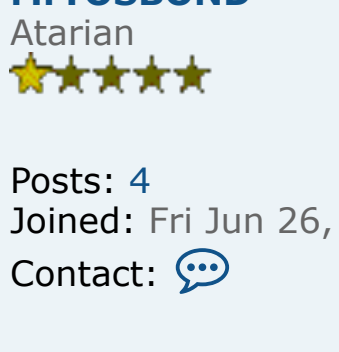
Atarian

★★★★★

Posts: 4

Joined: Fri Jun 26, 2015 3:04 am

Contact: 📧



Re: THE FOUR STBOOKS repairs

by **Robson** » Tue Oct 13, 2015 10:38 pm

Simbo is not on the forum now but you can use his email to get a reply. Pm me if you need the address.

<https://sites.google.com/view/tercsirabi/home>

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Robson

Atari Super Hero


★★★★★

Posts: 858

Joined: Sat Feb 18, 2006 11:03 pm

Location: London

Contact: 📧



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