

DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2013/04/28 16:11

Here's a perfect way for those willing to save €€€...s on garage fees.

Below is step by step guide how I managed to remove alternator on my MKII 92" in just under 1.30h(it took me 3h first time, now it's my 2nd time) removing only alternator holding bracket, diagnostic socket and alternator itself.

To start the job, first thing to do is to disconnect the negative cable from the battery.

Tools you need:

spanners:

10cm - for loosening alternator wire nut

12cm - for loosening and removing adjusting lock bolt and adjusting bolt

14cm - for loosening and removing alternator bracket bottom screw

Socket wrench with extension and 14cm socket

pliers to remove hose for more space

<http://i82.servimg.com/u/f82/17/63/03/08/28042010.jpg>

<http://i82.servimg.com/u/f82/17/63/03/08/mwsnap10.jpg>

remove diagnostics socket from body and gently push behind intake manifold to gain a bit work space

remove hose completely by pressing rings on hose with pliers and move them towards middle so you don't loose them when hose will be refitted

<http://i82.servimg.com/u/f82/17/63/03/08/28042011.jpg>

hose removed, rings left on

<http://i82.servimg.com/u/f82/17/63/03/08/28042012.jpg>

undo alternator wire nut with spanner 10

<http://i82.servimg.com/u/f82/17/63/03/08/28042014.jpg>

<http://i82.servimg.com/u/f82/17/63/03/08/28042013.jpg>

unplug O connection with your bare hands :D at the back of alternator

<http://i82.servimg.com/u/f82/17/63/03/08/28042015.jpg>

undo and remove adjusting lock bolt with spanner 12(this takes most of the time due to access)

undo and remove adjusting bolt with spanner 12

<http://i82.servimg.com/u/f82/17/63/03/08/mwsnap11.jpg>

undo and remove pivot bolt with spanner 14

<http://i82.servimg.com/u/f82/17/63/03/08/28042016.jpg>

<http://i82.servimg.com/u/f82/17/63/03/08/28042017.jpg>

move alternator up and remove belt

move alternator up and down forcing it off the bracket until it comes off

<http://i82.servimg.com/u/f82/17/63/03/08/28042018.jpg>

move it away under intake manifold to create more space again

<http://i82.servimg.com/u/f82/17/63/03/08/28042019.jpg>

undo 2 nuts and 1 bolt from top with 14 socket,extension and ratchet

<http://i82.servimg.com/u/f82/17/63/03/08/28042021.jpg>

<http://i82.servimg.com/u/f82/17/63/03/08/28042022.jpg>

by lying down beside your 2 on drivers side you have access to 2 bolts(I had only one)

undo 2 bolts with spanner 14

<http://i82.servimg.com/u/f82/17/63/03/08/mwsnap12.jpg>

<http://i82.servimg.com/u/f82/17/63/03/08/28042024.jpg>
alternator bracket now should come off
now lift it out
<http://i82.servimg.com/u/f82/17/63/03/08/28042025.jpg>
<http://i82.servimg.com/u/f82/17/63/03/08/28042026.jpg>
<http://i82.servimg.com/u/f82/17/63/03/08/28042027.jpg>
now take out alternator
<http://i82.servimg.com/u/f82/17/63/03/08/28042028.jpg>
<http://i82.servimg.com/u/f82/17/63/03/08/28042029.jpg>

everything goes in reverse when alternator goes back.
Hope this helped ;)

Did a bit polishing when removed alternator :)
before
<http://i82.servimg.com/u/f82/17/63/03/08/28042030.jpg>
after
<http://i82.servimg.com/u/f82/17/63/03/08/28042031.jpg>

Re: DIY alternator removal on MKII 92" non turbo

Posted by Infamous - 2013/04/28 16:27

<http://i82.servimg.com/u/f82/17/63/03/08/mwsnap12.jpg>
Your looking a bit famished here silverlux... have you lost weight?
You should treat yourself to a good meal after all that hard work! lol

Re: DIY alternator removal on MKII 92" non turbo

Posted by Quandry - 2013/04/28 16:30

Great job on the write up! kc'd and stickied

Re: DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2013/04/28 16:31

Infamous wrote:
<http://i82.servimg.com/u/f82/17/63/03/08/mwsnap12.jpg>
Your looking a bit famished here silverlux... have you lost weight?
You should treat yourself to a good meal after all that hard work! lol
I should write that picture is for illustration purposes only :D :D :D

Re: DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2013/04/28 16:34

Quandry wrote:

Great job on the write up! kc'd and stickied

Thanks Quandry, it actually took longer to put it up on site than taking alternator off in real life :D

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Re: DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2013/04/28 16:42

also found this, a bit cleaner version on mr2 Australia...does involve a bit more work and tools here:

http://www.mr2australia.com/uploaded/bud/2009821115831_How_to_replace_the_alternator_on_an_NA_sw20.pdf

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Re: DIY alternator removal on MKII 92" non turbo

Posted by Bommie - 2013/04/28 17:02

Great write up, should be very useful to members! Kc'd ;)

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Re: DIY alternator removal on MKII 92" non turbo

Posted by slipsliderg - 2013/04/28 17:53

Kc'd, excellent guide Silverlux.

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Re: DIY alternator removal on MKII 92" non turbo

Posted by corkmr2 - 2013/04/28 18:13

If I had seen that two years ago I could have saved my self a few hundred euro on a useless mechanic and probably have a few more hairs on my head! Good write up:)

KC

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Re: DIY alternator removal on MKII 92" non turbo

Posted by eringobragh - 2013/04/30 22:09

Great guide KC'd

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Re: DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2013/04/30 23:16

cheers lads ;)

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Re: DIY alternator removal on MKII 92" non turbo

Posted by Infamous - 2013/07/09 17:16

After doing this for myself today I just thought I'd add for anyone doing this on a turbo car I found it a lot easier to do this by taking it out the bottom way, you have to move the backbox out of of the way to get it down but I found its less hassle than removing the alternator bracket (perhaps there is more wiggle room on a n/a? I'm not sure)
Also be careful when ordering your new alternator as there were 13 different types made for the mk2 alone so make sure you get the correct one.
I ordered a brand new unit from mr2ben in the UK and it was with me very quickly and great service from him as usual.

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Re: DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2013/07/09 20:50

Thanks for addition infamous, as far as I know for rev2 there is at least 3 variations of alternator types.

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Re: DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2014/06/10 19:46

Hi lads, it's been nearly 2 years since I took my alternator off my 2 first time.
After long wait I finally got my alternator, but only now realized that I'm missing 2 small but important parts - adjusting bolt and it's bracket.
Anyone has them let me know please, cheers for help.
<http://i39.servimg.com/u/f39/17/82/32/09/bolt10.png>
<http://i39.servimg.com/u/f39/17/82/32/09/noname10.jpg>

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Re: DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2014/06/13 17:34

sorted with missing part, thanks to st182r

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Re: DIY alternator removal on MKII 92" non turbo

Posted by Woo - 2016/05/01 18:08

Hi and thanks for taking the time to put this on the net, it's a fantastic article and helped me no end. :yes:
:clap:

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Re: DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2016/05/01 19:15

hey, no problem, happy that it worked out for you, very tricky job to do, but once mastered it is piece of cake :D

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Re: DIY alternator removal on MKII 92" non turbo

Posted by dazzler mk2 - 2017/03/24 20:29

Used this today ,
Worked a treat !
Thanks a mil

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Re: DIY alternator removal on MKII 92" non turbo

Posted by silverlux - 2018/04/08 23:43

Fantastic, good to know that some of my info helps.
