

Forum Audi RS6 / S6 / RS7 / S7 / S8 Alternator replacement



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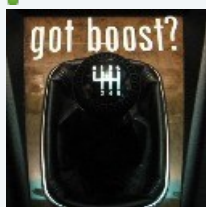
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November 15th, 2009, 14:51

#1

got boost

Registered User



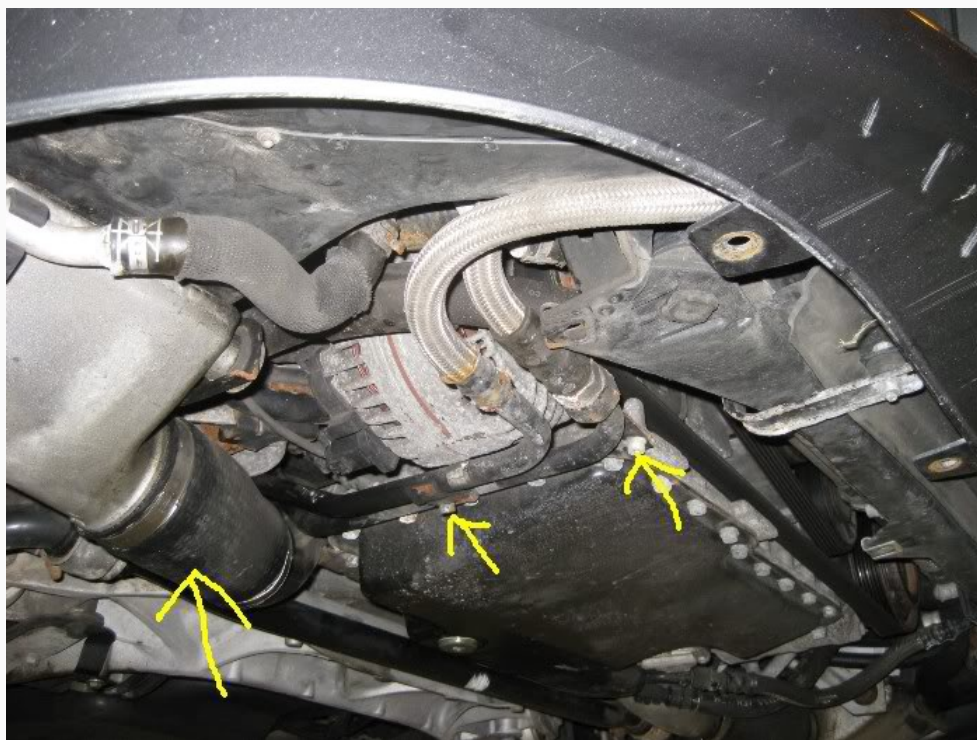
Join Date: Nov 2006
Location: Newport RI
Posts: 164

Alternator replacement

Hey guys, I had the thrilling experience of losing voltage the other day. While driving home the other night the instrument cluster got dim, the car started running like shit and every icon on the dash lit up with the volt gauge showing a little over 8. Barely got the car to the house. I plugged in to get codes, all low voltage codes. Out of her 86,xxx tour of duty this is the first time she almost left me stranded. Anyway, I went ahead and replaced the original battery and [alternator](#) and all is now well.

I'm not a big DIY'r, brakes/oil/plugs are about it. So I had a friend relpace the [alternator](#) and I "helped". It was a lot easier than I had expected and maybe these pics will be of use to another member. I have never tried to post a DIY, so bear with me.

Beginning with the removal of the belly pan. The [alternator](#) was able to be finessed out of its place by removing the serpentine belt from the pulley, removing the two oil lines originating from the oil filter location, and removing the intercooler hose. After that there are two hex bolts to the front (bumper side) of the [alternator](#) to be removed (I believe they were 6mm) And there were two wires to be removed from the rear of the [alternator](#), one a plug type connection the other was held on by a nut.



^^ The IC hose to remove and brackets to remove.



^ Here is one of the hex type bolts on the **alternator** the other is towards the top of the **alternator** (couldnt get a good pic of that one)



^ Here is the plug to remove and the other wire to remove is located above it (also hard to get a pic)





2014 S4
2005 SL55 (K2)

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November 15th, 2009, 14:57

#2

got boost 

Registered User



Join Date: Nov 2006
Location: Newport RI
Posts: 164

The last pic is of re-installing one of the oil lines, to get a better perspective.

Please, anyone feel free to correct or add comment.

2014 S4
2005 SL55 (K2)

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November 17th, 2009, 02:24

#3

gooseleg 

Registered User



Join Date: Sep 2008
Location: Florida
Posts: 131



Thanks, saved it just in case.

St Augustine, FL
03 RS6
07 GTI
88 16v Cabby

 [Reply With Quote](#)

November 17th, 2009, 02:47

#4

DHall1 

Registered User

Join Date: Jul 2008
Location: Out there
Posts: 7,081

Nice,

Where did you get the reman alt?

\$\$

Loaded RS6 owner under extreme financial hardship. RS6 #1 2 3 4 5 6 What the heck do I know. 13

 Reply With Quote

November 18th, 2009, 20:34

#5

got boost 

Registered User



Join Date: Nov 2006
Location: Newport RI
Posts: 164

I got the parts from stealership....

Battery part# 000-915-105-DL-DSP
List price \$190.00

Generator part# 077-903-015-RX
List price \$675.00 - \$200 for core.

Without much haggling I was able to get 20% off the list price. Ended up being \$532.00 total for battery and generator.

The generator does not come with the pulley, so save the old one. And I had to add about a half liter of oil as a result of removing the oil lines.

2014 S4
2005 SL55 (K2)

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November 18th, 2009, 20:41

#6

steve 

Registered User



Join Date: Dec 2002
Location: Belgium
Posts: 629

Nice write-up!

but i'd start with disconnecting the battery next time, safety first!

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April 18th, 2010, 16:31

#7

MJR964 

Registered User



Join Date: Nov 2009
Location: Tennessee
Posts: 12

Hey "got boost", did you have to pull the front bumper for this? I've got the battery light on and the voltage dipping to around 9V,(autozone checked their 18 month old battery and said it was fine.). Two shops I've talked to mentioned having to put the front end into "service position" for this, but it looks like you did it without pulling anything but the IC hose and the oil tubes. Also, did you check into the \$184 Bosch **alternator** that's out there? I don't know what difference there is between that and the audi **alternator**, but IF it fits, I might go with that.

 Reply With Quote

April 18th, 2010, 19:50

#8

DHall1 ◊

Registered User


Join Date: Jul 2008
Location: Out there
Posts: 7,081

check with genuinevwaudiparts.com

they have the best Audi parts prices. You will need the Audi pn and you just plug in the number for a price. The auto lookup does not have RS6

Originally Posted by **MJR964**

Hey "got boost", did you have to pull the front bumper for this? I've got the battery light on and the voltage dipping to around 9V,(autozone checked their 18 month old battery and said it was fine.). Two shops I've talked to mentioned having to put the front end into "service position" for this, but it looks like you did it without pulling anything but the IC hose and the oil tubes. Also, did you check into the \$184 Bosch alternator that's out there? I don't know what difference there is between that and the audi alternator, but IF it fits, I might go with that.

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April 18th, 2010, 22:53

#9


Elevens ◊

Registered User



Join Date: Feb 2010
Location: Plantatation Florida
Posts: 662

Appreciate the Info got boost. Did the same thing on the A6 2.7t and had to put the front into service position. Nice to know that this can be done on the RS without bumper removal. Such info is invaluable. Thanks....

 Reply With Quote

April 19th, 2010, 21:26

#10

got boost ◊

Registered User




Join Date: Nov 2006
Location: Newport RI
Posts: 164

Correct, the front bumper does not need to move.

Having it on a lift helps.

2014 S4
2005 SL55 (K2)

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January 27th, 2011, 22:31

#11

svir ◊

Registered User

Join Date: Jan 2011
Posts: 10

I am returning this thread from the dead with hopes that someone could help me.

I am following Got Boost's instructions, but I am stuck when it comes to the removal of the oil lines on the filter side. I cannot get enough room to get in there.

Any help would be much appreciated,

Thanks in advance guys

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January 28th, 2011, 17:07

#12

svir

Registered User

Join Date: Jan 2011
Posts: 10

I managed to remove all of the bolts as well as the oil lines.

The only problem now is how to finess the **alternator** out?
I've going at it for the past hour and if anybody knows how to do it, please share.

Thanks much

03 Audi RS6 MTM
83 MB 300SD
07 MB C230 - GONE, 02 Acura TL-S Supercharged - GONE

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September 10th, 2011, 23:38

#13

4everRS

Registered User



Join Date: Nov 2009
Location: MN
Posts: 2,407

So I just spend the better part of an afternoon tearing the **alternator** out of my car. Last night I went out to do a couple logs for fun, and I noticed the battery light came on. Wasn't real surprised as I've been noticing random voltage reading for the last couple months.

Anyway, I am going to try to have it rebuilt and see how well it does. There is a good auto-electrical shop in another city near me. I'm afraid they may not have the voltage regulator on hand and I am looking for help from the Forum to find one.

Mark, I know your a guru on find parts, maybe you already know.

It's a Bosch. Numbers on it show:

BR14-MO
F 00M 145 247

Avus Silver RS6 - Viper Stage 2 ECU/TCU - Water/Meth Injection - Frozen Rotors - Hbars - clear corners - Hella smoked tails - gutted precats

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September 10th, 2011, 23:57

#14

hahnmgh63

Registered User



Join Date: Feb 2007
Location: Roy, WA
Posts: 2,892

Audi part # for the **Alternator** is **077903015R** add a 'X' after the 'R' to find rebuilt which may be all that is available. The voltage regulator is **077903803A** I haven't found anyone to have a cheaper price on the Regulator than Genuine, I thought that using the Bosch Part # I would be able to find it cheaper but the only cheaper ones I found were aftermarket replacements, not Bosch. Another thing, someone mentioned rebuilding the Regulator to fix bad Diodes, the Diodes are not in the Regulator but are in the other plastic housing bolted onto the back of the **Alternator**.

Last edited by hahnmgh63; September 11th, 2011 at 00:08.

2003 White RS6
BBS RS-GT, RNS-E, Revo/MTM, RNS-E
KW V3's & Hotchkis & LED Tail lights

2001 225bhp tt roadster
2x944 Turbo's ('86 & '87 Euro n/sunroof)
1974 911 w/'91 3.6ltr motor
1977 Lancia Montecarlo
Roy, WA

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September 11th, 2011, 01:43

#15

JSRS6

Registered User



Wish I'd known about this a few years ago with my s4! Man, I love this place 🤔 but seriously, I'll take 122 over 682 or 443 any day.



Join Date: Mar 2010
Location: Virginia Beach, VA
Posts: 3,307

Avus RS 6, RNS-E/BT/RVC, Eurocharged/MTM, SuperSports, PSS9/Hotchkis, SS Lines/EBC Reds, FMU/BMC, Sportec vents, 007's, 9500ci, Black Optics/Headlights/Trim/Rims, CC; coming soon: stage 3 snow meth

Reply With Quote

September 11th, 2011, 04:36

16

4everRS

Registered User



Join Date: Nov 2009
Location: MN
Posts: 2,407

I knew you'd pull through for me Mark! Thanks!

The Diodes on mine look ok. Slightly crusty, but not bad for over 95k miles. I gave the **alternator** a greased lightning bath and rinse. Man did those windings brighten up!

Originally Posted by **hahnmgh63**

*Audi part # for the **Alternator** is **077903015R** add a 'X' after the 'R' to find rebuilt which may be all that is available. The voltage regulator is **077903803A** I haven't found anyone to have a cheaper price on the Regulator than Genuine, I thought that using the Bosch Part # I would be able to find it cheaper but the only cheaper ones I found were aftermarket replacements, not Bosch. Another thing, someone mentioned rebuilding the Regulator to fix bad Diodes, the Diodes are not in the Regulator but are in the other plastic housing bolted onto the back of the **Alternator**.*

Avus Silver RS6 - Viper Stage 2 ECU/TCU - Water/Meth Injection - Frozen Rotors - Hbars - clear corners - Hella smoked tails - gutted precats

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September 16th, 2011, 20:36

17

4everRS

Registered User



Join Date: Nov 2009
Location: MN
Posts: 2,407

unfortunate news from Bill at Genuine is that they don't have the regulators in stock and think it may take over a MONTH! Trying to pursue different options now. Various online auto parts stores don't have them listed.

Avus Silver RS6 - Viper Stage 2 ECU/TCU - Water/Meth Injection - Frozen Rotors - Hbars - clear corners - Hella smoked tails - gutted precats

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September 17th, 2011, 00:50

18

4everRS

Registered User



Join Date: Nov 2009
Location: MN
Posts: 2,407

OK update. After calling about 5 places and trying various online suppliers, I called the local auto electrical shop in my area with the Bosch part # (as I tried with the other's) and they will have it by tuesday for 100 bucks. They said it is a genuine bosch but won't have the VW logo on - then he chuckled a little. I am skeptical of fitment and will know on tuesday.

Originally Posted by 4everRS

unfortunate news from Bill at Genuine is that they don't have the regulators in stock and think it may take over a MONTH! Trying to pursue different options now. Various online auto parts stores don't have them listed.

Avus Silver RS6 - Viper Stage 2 ECU/TCU - Water/Meth Injection - Frozen Rotors - Hbars - clear corners - Hella smoked tails - gutted precats

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