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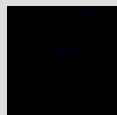
Rating: ★★★★★

06-16-2006, 01:24 AM

#1

Deezz Nuttz

What's a User Title?



Drives: '99.Celica.GT / '12.Golf.R

Join Date: Feb 2006

Location: So Cal

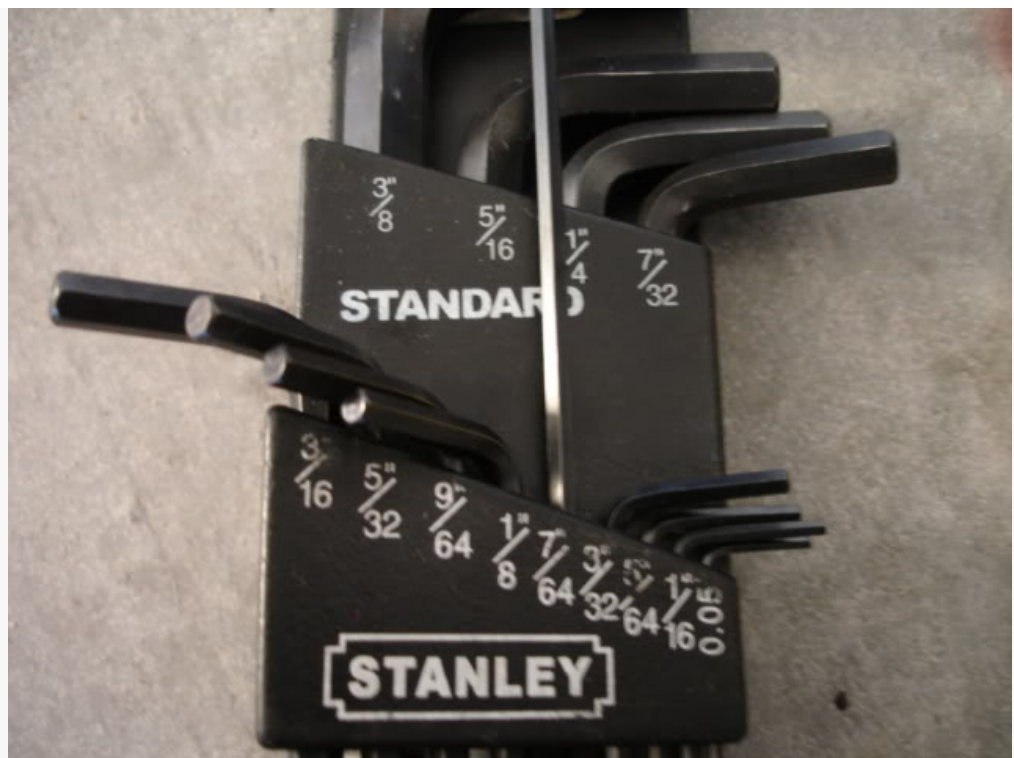
Posts: 1,912

[View Deezz Nuttz's Garage](#)**DIY - NewSouth Performance Boost Gauge w/Indigo Gauge****Note: Use only as a reference***Side Note: My **gauge** was already installed when I decided to do a **DIY***

Tools:



Wire Cutter/Splicer, X-acto Knife, Diagonal Cutter Pliers, Flathead Screwdriver, Electrical Tape, Teflon Tape, 3M double-sided Tape



Standard 7/64"



Metric 3



Ratchet w/ Extension 14mm



Ratchet w/ Extension 10mm

These are the tools I used, if you can make do with what you got; do so

Lets begin:

I don't know if this has any significance... but Power off SAT radio



Pop-Hood and unscrew MAF using metric size 3 bit: (upper left corner)





Unclip the wires before pulling it out:



Pull it out and set aside:



Undo the clips (There are two):



Pull apart the tubing:



Unscrew the front part of the intake tube using the standard 7/64" bit:



Pull the tubing apart; Push it towards the back and then up:



Try not to lose or drop these screw clips!



Now "Pop" off the engine cover. Pull upwards on the edges. There are four "gromets" that are holding it down:



You can see them, they are the round rubbers. (If you can't pull it off, don't be a pussy, you won't break anything just pull!!)

Here is w/ the cover removed, you can see the fronts where the cover is connected to:



The rubber things may stay on the engine: remove and replace onto cover:



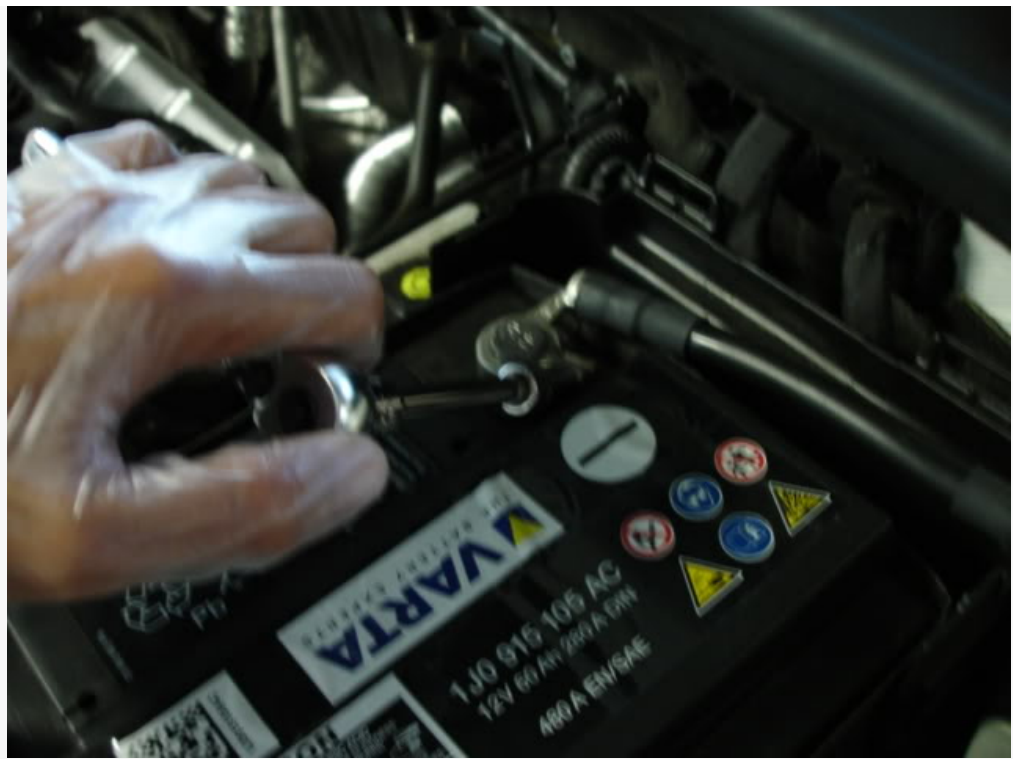
Remove Battery Cover:



The front part just pulls up and out:



Unscrew the negative Terminal using the 10mm ratchet:



Remove Wire:



Unscrew positive Terminal using the 10mm ratchet and remove wire:



Unscrew the Battery Tie Down using the Ratchet w/extension 14mm:



Remove and set aside:



Now you can take the battery out:



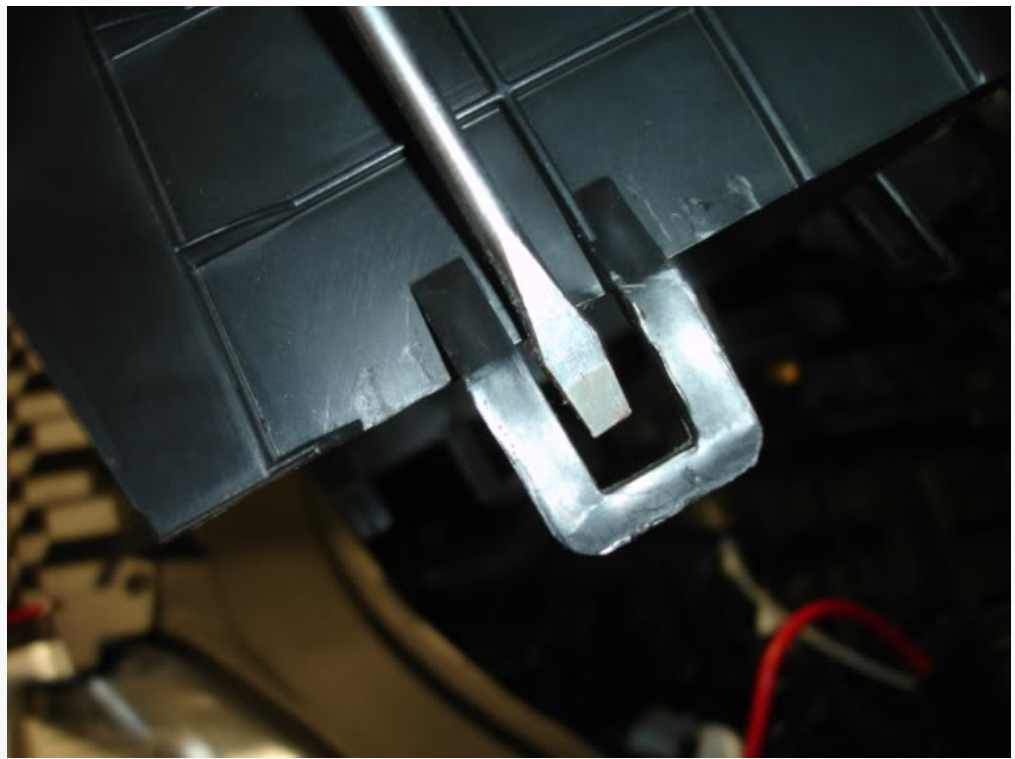
The rear cover is relatively hard to remove:



One side is easily accesible, the other takes a longer flathead screwdriver:



Just push the screwdriver down and it should unclip:



You have to remove the stock tube and replace w/ supplied T-Tube (I'm holding the stock tube):



Pretty tricky to remove, I used a flathead and just wiggled the clips loose. Before you can fit the T-Tubing, you need to cut off Two "barbs" of the hard lined fitting using the X-acto Knife, Like I said mine was already installed. Here is a pic of the "barbs":



Make sure the "T" part of the tubing is on the underside and facing towards the rear:



Attach the supplied Rubber Tubing to the T-Tube. The other side is for the nylon tube that goes to the **boost gauge**. The pic above shows the Rubber tube coming from the T-Tubing.

Insert the Nylon tube into the rubber tubing as far as you can go I'd say a good 1/2" is good enough, careful not to bend the tubing as it make cause air leaking and inaccurate **boost** readings.

Now to feed the nylon tube into the cabin >>
Remove the wires behind the battery out of the way:



Here you can see the nylon tube going into the spot where you need to punch a hole w/ the X-acto Knife



Feed the nylon tubing to the cabin.

Now take a break coz the next parts are a bitch



Reposition the wheel down and out as much as possible:

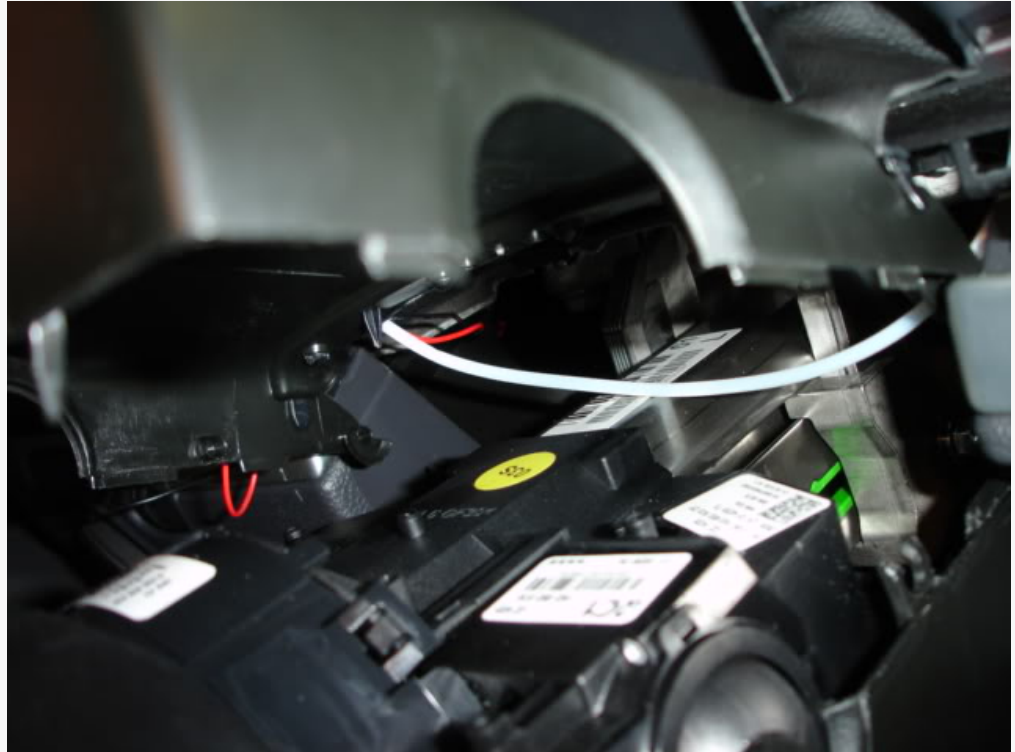


^ Side shot of the finished product (your almost there)

Pull the top "cover" towards you and it will come off (it's attached by the leather):



Now also remove the cover that its attached to:



Remove the side fuse cover, there is a latch where a flathead will fit:



Replace any clips that come off:



Go back to the wheel and uncrew this torx using the standard:



More torx under:



Now remove the headlight switch (push and rotate clockwise, and you can pull it out):



Now you can unclip the Headlight switch, push on the side and it will come off:



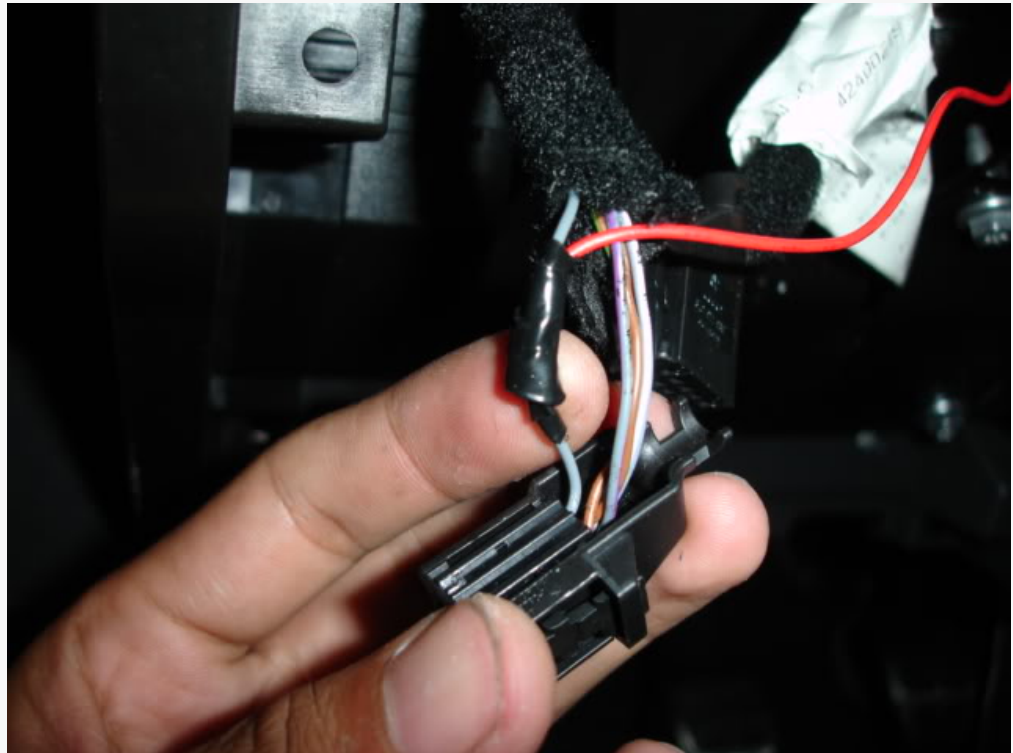
/no pics

Remove the cover it should pop off once the four screws are removed, before you can completely remove it, you need to unclip the dimmer switch. The same as the headlight switch.

Find the nylon tube that you passed through, feed it next to the steering wheel. Pass the nylon tube through the column pod. Also pass the **Gauge** wires through the column pod. Use the supplied hardware to connect the nylon tubing to the **boost gauge**. **I highly recommend you use some teflon tape to ensure you don't lose any air, apply some in the back of the gauge as well as with the hardware you use to screw in the nylon tube**

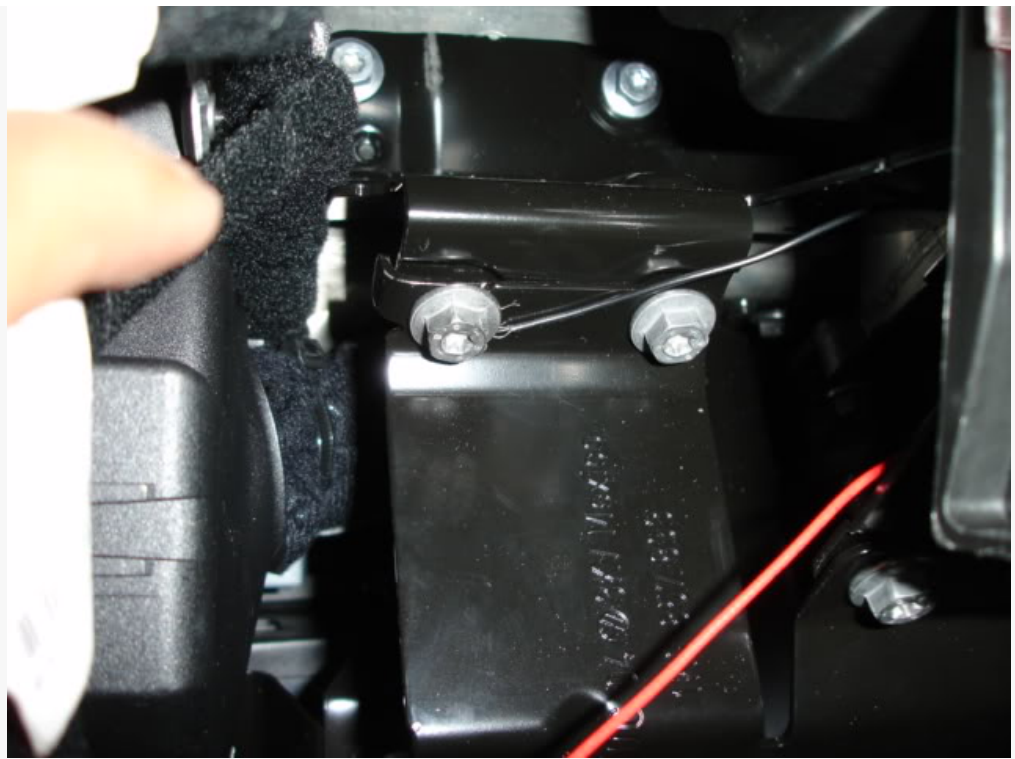
/end no pics

There is a cover on the dimmer wires, you need to cut that cover, CAREFUL NOT TO CUT THE WIRES INSIDE!:

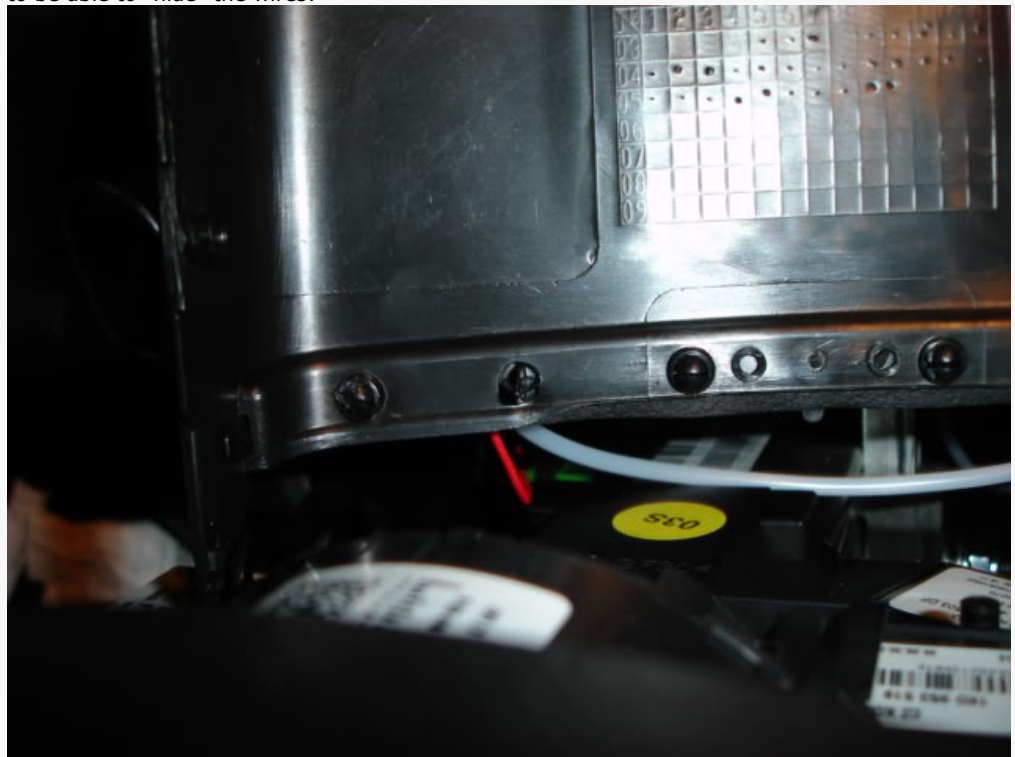


You can see where I spliced the power wire from the **boost gauge** there ^ **edit: for you color blind ppl, its a solid GRAY wire you need to splice**

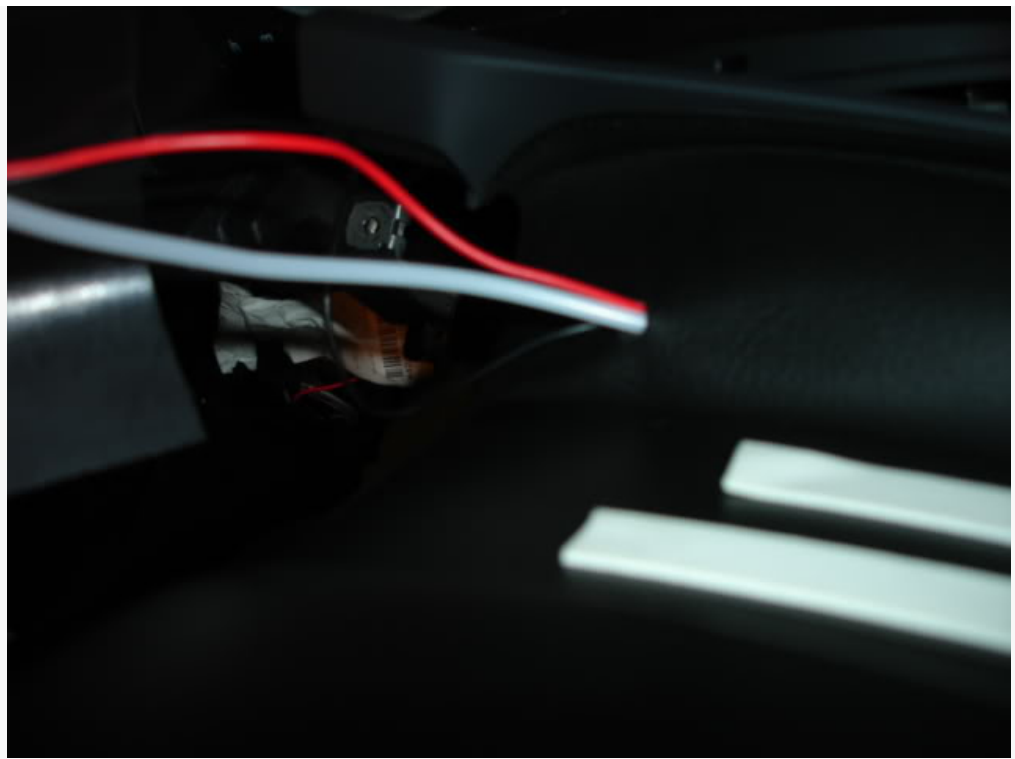
Here is a good place to ground the **gauge**:



NewSouth Performance Instructs to remove a piece of this part (the part that holds the leather) to be able to "hide" the wires:



I said "Fuck That", I just used the X-acto Knife and poked a small hold in the leather, low and to the left side to feed the wires/nylon tubing:



^If your going to poke a hole, and you already wired the damn thing. You gotta remove the wires and feed through that hole. Along with the nylon tubing.

Your done.

Pop back steering wheel covers and test fit the column pod.

Use the 3M double sided tape to secure the column pod on top of the original cover.

Replace all the interior parts and zip tie the nylon tubing AWAY from any parts that might get hot and "melt" the tubing.

Replace Battery and Battery Cover.

Replace the Engine Cover.

Re-Screw the Intake "hose" pop back the tube by the MAF, Re-clip the clips. Re-Screw the MAF.

Turn on ignition and turn on headlights to see if the **gauge** lights up.

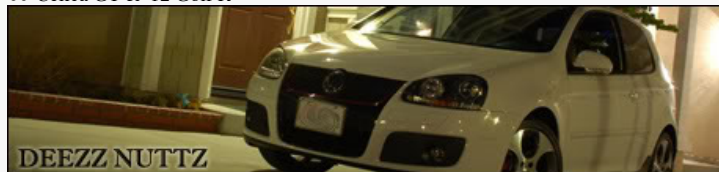
Turn on your car and look at the reading. It should read 20hg, anymore or less? Check for any leaks in your tubing.

FYI: Anytime you disconnect the battery for a "long" period of time, the warning lights will stay on. They will disappeare after drivng a bit.

Note: Check your cruise control, make sure its back to the "off" position.

It feels like you don't have power steering anymore? The column pod is rubbing against the wheel. Remove and sand down as necessary.

'99 Celica GT & '12 Golf R



Last edited by Deeze_Nuttz; 06-24-2006 at 04:10 AM.



06-16-2006, 01:47 AM

#2

Texas MkV

FIA World Rally Car Champion



Looks like an amazing write up. Great Job 🧐 should come in handy.

[License Plate Holder to avoid drilling into bumper](#)

<http://www.myspace.com/jarrodcheatham>



Drives: 06 GTI MkV Black Magic
DSG
Join Date: Feb 2006
Location: Plano, Texas
Posts: 729

[View Texas MkV's Garage](#)



06-16-2006, 05:22 PM

#3

ewoo

Rally Car Newbie



Drives: '06 US Spec Golf GTI
Join Date: Mar 2006
Location: Ken~tucky! Wahoo!
Posts: 353

[View ewoo's Garage](#)



Thanks for the write-up! We need more pictures of the finished product!!! 🇺🇸

06-16-2006, 05:40 PM

#4

Vivid

Formula 5000 Driver



Drives: FX45
Join Date: May 2006
Location: Atlanta
Posts: 1,879

[View Vivid's Garage](#)



great write up... x2 for more finished pics...

blk/blk*pk2*6spd*35% tint*GIAC Hammer*



Now this is acting...

06-16-2006, 05:42 PM

#5

GTI2007

Moderator



Drives: '05 UG Golf 5 Plus
Join Date: Feb 2006
Location: Hoogstraten, Belgium
Posts: 37,282

[View GTI2007's Garage](#)



Quote:

Originally Posted by **ewoo**

Thanks for the write-up! We need more pictures of the finished product!!! 🇺🇸

Have a look [here](#), where he already posted some pics earlier.

06-16-2006, 05:45 PM

#6

Vivid

Formula 5000 Driver



thanks GTI2007



Drives: FX45
Join Date: May 2006
Location: Atlanta
Posts: 1,879

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blk/blk*pk2*6spd*35% tint*GIAC Hammer*



Now this is acting...

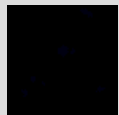


06-24-2006, 03:12 AM

#2

Deezz Nuttz

What's a User Title?



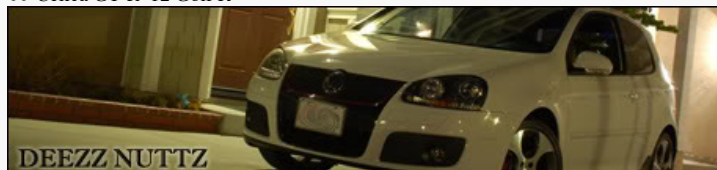
Drives: '99.Celica.GT / '12.Golf.R
Join Date: Feb 2006
Location: So Cal
Posts: 1,912

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Oh, I forgot to state... My **gauge** is a little off (notice its leaning to the edge of the "0")... I contacted New South, and they're willing to replace if I send this one back to them... but, I'm not gonna be bitchy, I can live with it.

'99 Celica GT & '12 Golf R

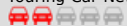


06-24-2006, 11:49 AM

#8

ünpimptheauto

Touring Car Newbie



Drives: 2006 GTI MKV PACKAGE
ZERO
Join Date: Apr 2006
Location: Northern NJ
Posts: 400



Great writeup! 🙌



novaboy16

Got bahn?



Drives: 06 GTI; 03 GLI VR6
 Join Date: Mar 2006
 Location: Mountain Home, Idaho
 Posts: 152



Looks like you could just do the side cubby install as well....

**loccusst**

FIA GT Champion



Drives: 06.5 UG MKV GTI
 Join Date: Mar 2006
 Location: IA
 Posts: 1,626



Nice write up. I just ordered the **gauge** pod and side cubby at the same time....looks like that was a good idea. Does your **gauge** sit at 20 all the time while idle or does it go lower? Mine sits about 22hg. I installed a **boost gauge** a while back and just didn't have a good way to mount it. When I use the pod I will check all of my connections.

Anyone can drive fast in a straight line....it's going fast around corners that takes skill...

**Scotaku**

FIA World Rally Car Champion



Drives: .
 Join Date: Mar 2006
 Location: .
 Posts: 87



Just two small suggestions.

Future users of this (excellent) writeup may want to disconnect the battery much earlier in the game. I'd suggest just after making sure the radio is off.

The MAF does not need to come out and may actually be better off riding out the job inside the intake/engine cover. It can be unplugged without unscrewing it from the intake tube. Leaving it attached but unplugged will keep it from picking up any heavy dirt or being easily broken. They're quite fragile!

**DBCPerformance**

OEM & AFTERMARKET PARTS



Drives: GTI MK6 & MK2
 Join Date: Mar 2006
 Location: T E X A S
 Posts: 9,787



Quote:

Originally Posted by **Scotaku**
Just two small suggestions.

Future users of this (excellent) writeup may want to disconnect the battery much earlier in the game. I'd suggest just after making sure the radio is off.

The MAF does not need to come out and may actually be better off riding out the job inside the intake/engine cover. It can be unplugged without unscrewing it from the intake tube. Leaving it attached but unplugged will keep it from picking up any heavy dirt or being easily broken. They're quite fragile!

that is what i thought so.

deez nutz, GREAT WRITE-UP man, good job 🙌



07-19-2006, 01:34 AM

#13

Scionic

Autocross Newbie



Drives: TR '06 GTI Pkg 1 DSG
Join Date: Apr 2006
Location: Chicago, IL
Posts: 98



FANTASTIC writeup. Got me through the installation of my **boost gauge** with no problems at all. The instructions that come with the kit are no help at all - they basically say "yeah just plug this stuff in and you're so money".

Bought my kit at Waterfest, it came with a VDO **gauge**, but the same concept - all the same instructions apply. Nothing here is hard, it's just a little time-consuming.

07-19-2006, 08:53 AM

#14

baat06

Drag Racing Champion



Drives: 2006 GTI
Join Date: Feb 2006
Location: WNY, US
Posts: 126



Best **DIY** writeup I've ever seen.👍

I'm debating doing this (at somepoint)... a **boost gauge** should have been included from the factory.

12-06-2006, 11:41 AM

#15

Tom\$lick

Ich bin ein Berliner



Drives: '05 A6, '10 Jetta TDI
Join Date: Aug 2006
Location: Germany but not German
Posts: 186



It's possible, but a but more tricky to first: leave the MAF in the cover and just set the cover to one side. Second leave the battery and box installed and feed the **gauge** tubing from inside the car and grab it and pull through. Third: leave all the interior installed, just slitting the leather and splicing into pin 10 on the headlight switch(which is easy to pull in and out). I have alot more experience with cars and wiring so maybe this way would be more geared to mechanically inclined and electrically savvy folks.

UG0018



12-19-2006, 05:12 AM

#16

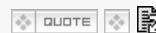
gillm

Go Kart Champion



Drives: mk5 gti
Join Date: Dec 2006
Location: uk
Posts: 41

i fitted one a few months ago but mine seems to make a noice when it comes on **boost** , do you get this ? and also i have wired mine up to the key as i could not find where to wire it up to the dimmer .



12-19-2006, 12:12 PM

#17

GTIMKVDSG

Processing Directive...



Drives: Volkswagen GTI
Join Date: Nov 2006
Location: USA
Posts: 91



Thanks for the **DIY**.

A) This is probably a dumb question but, what is the advantage of having a **boost gauge**?

B) Do you do something differently according to the **boost** reading? Or is it just to monitor the **boost** -- kind of like a speedometer displays the speed?



Whatever!



12-19-2006, 12:14 PM

#18

alf

Modwhoreator



Drives: V VV
Join Date: Feb 2006
Location: Houston, TX
Posts: 12,345

[View alf's Garage](#)



Quote:

Originally Posted by **GTIMKVDSG**

Thanks for the **DIY**.

A) This is probably a dumb question but, what is the advantage of having a **boost gauge**?

B) Do you do something differently according to the **boost** reading? Or is it just to monitor the **boost** -- kind of like a speedometer displays the speed?

u know when shit is fucking up or if you are losing **boost** pressure.

monitoring **boost** is the main priority when owning a forced induction car.



12-19-2006, 11:17 PM

#19

Meat

rack rack 'em



Drives: '07 GTI (SOLD)
Join Date: Oct 2006
Location: Cincinnati, OH
Posts: 7,880



...and it looks cool^



12-19-2006, 11:21 PM

#20

danger dan

Formula 2 Driver



i dont see why the hell vw didnt just put one on there.
nice write up, **boost** guage is gana be the first thing i do, ill keep these notes in mind.

Drives: grey 07 gti 6mt
Join Date: Nov 2006
Location: greenville NC
Posts: 6,796

[View danger dan's Garage](#)



12-19-2006, 11:26 PM

#21

Gangstarrr_Val

:]



Drives: b00sted GTI
Join Date: Apr 2006
Location: Humble, TX
Posts: 270

[View Gangstarrr_Val's Garage](#)



thanks for this.

i'm doing this on saturday.

=]

APR TUNNNNNNNNNNNED



12-19-2006, 11:35 PM

#22

..B

FIA World Rally Car Champion



Drives: MKV GTI
Join Date: Jul 2006
Location: vancity
Posts: 1,534



I'm pickin mine up this fri 😊



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