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DIY: Installing an Oil Pressure Gauge

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07-19-2013, 11:04 PM

kennega
Oval Champion

Drives: 2010
GTI, 2001 A4
Join Date: Aug
2010
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Boston
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DIY: Installing an Oil Pressure Gauge

For those looking to install an oil pressure gauge, I figured I would hack up a quick how-to on how to accomplish this. Without further ado...

Products Used

Osir Black Satin Dual O-Pod
42DD Oil Pressure Relocation Kit
Defi 60mm Racer Imperial Pressure Gauge
Mini Add-a-Fuse (Bussmann BP/HHH style)

Tools Required

See Instructions from 42DD, but in place of the odd standard-size wrenches I used pliers.
24mm deep socket
5mm allen
Slip-joint pliers
Zip ties
Teflon Tape/Teflon Paste
Coat hanger or wire puller

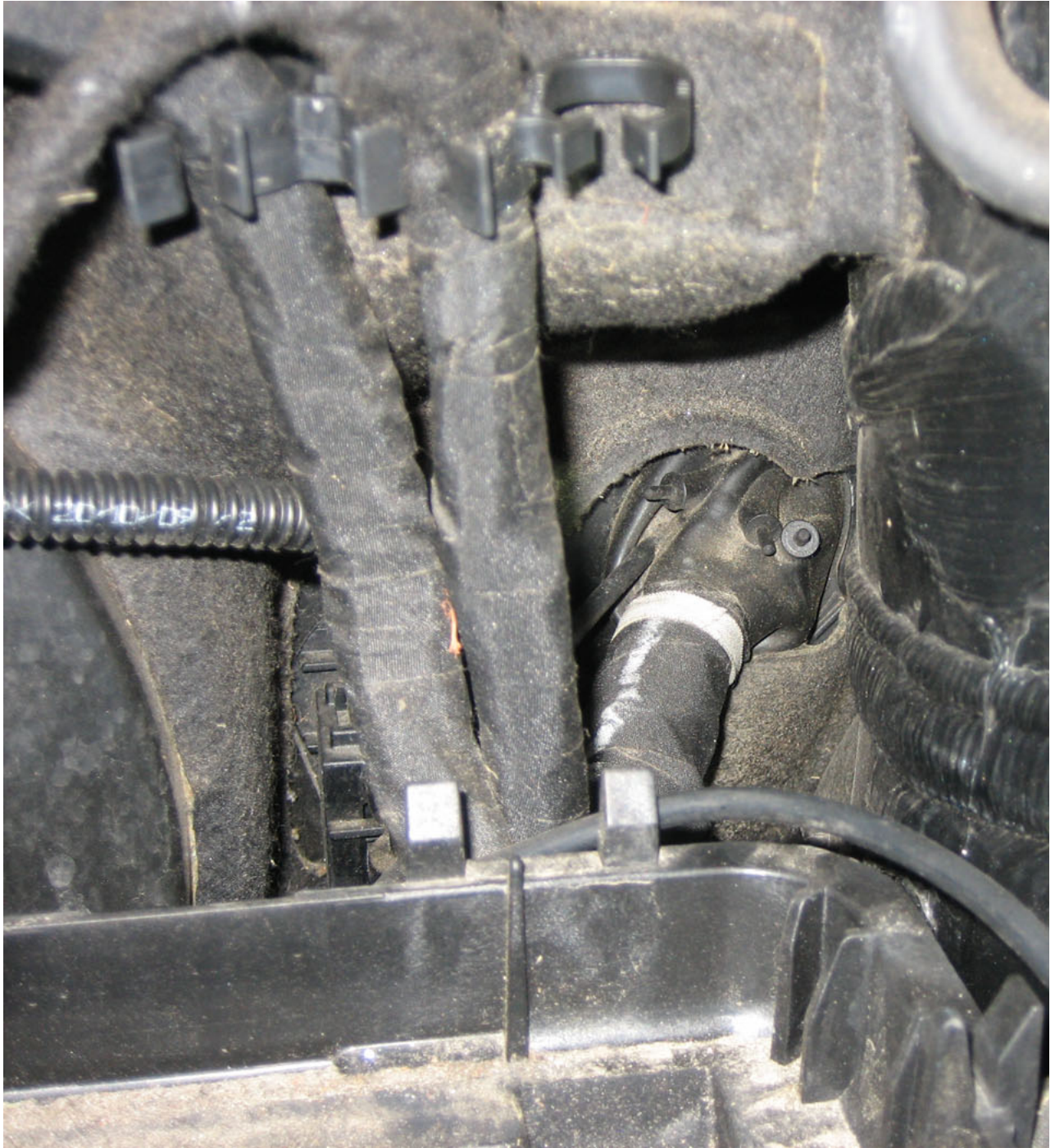
Getting Started

First off, disconnect the battery. Remove the battery and the tray components.

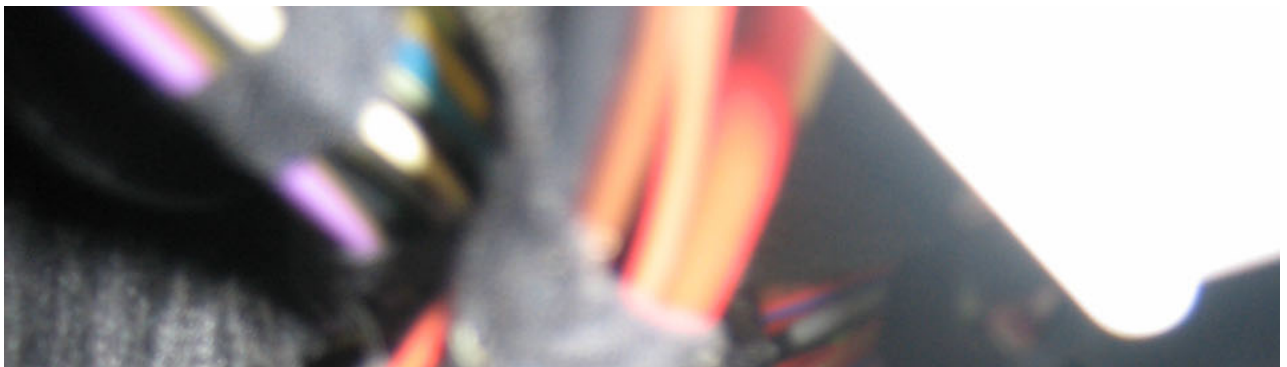




Behind the battery tray, there's a grommet attached to the chassis where you can pass through your sender wiring. This is mine, you can see I've

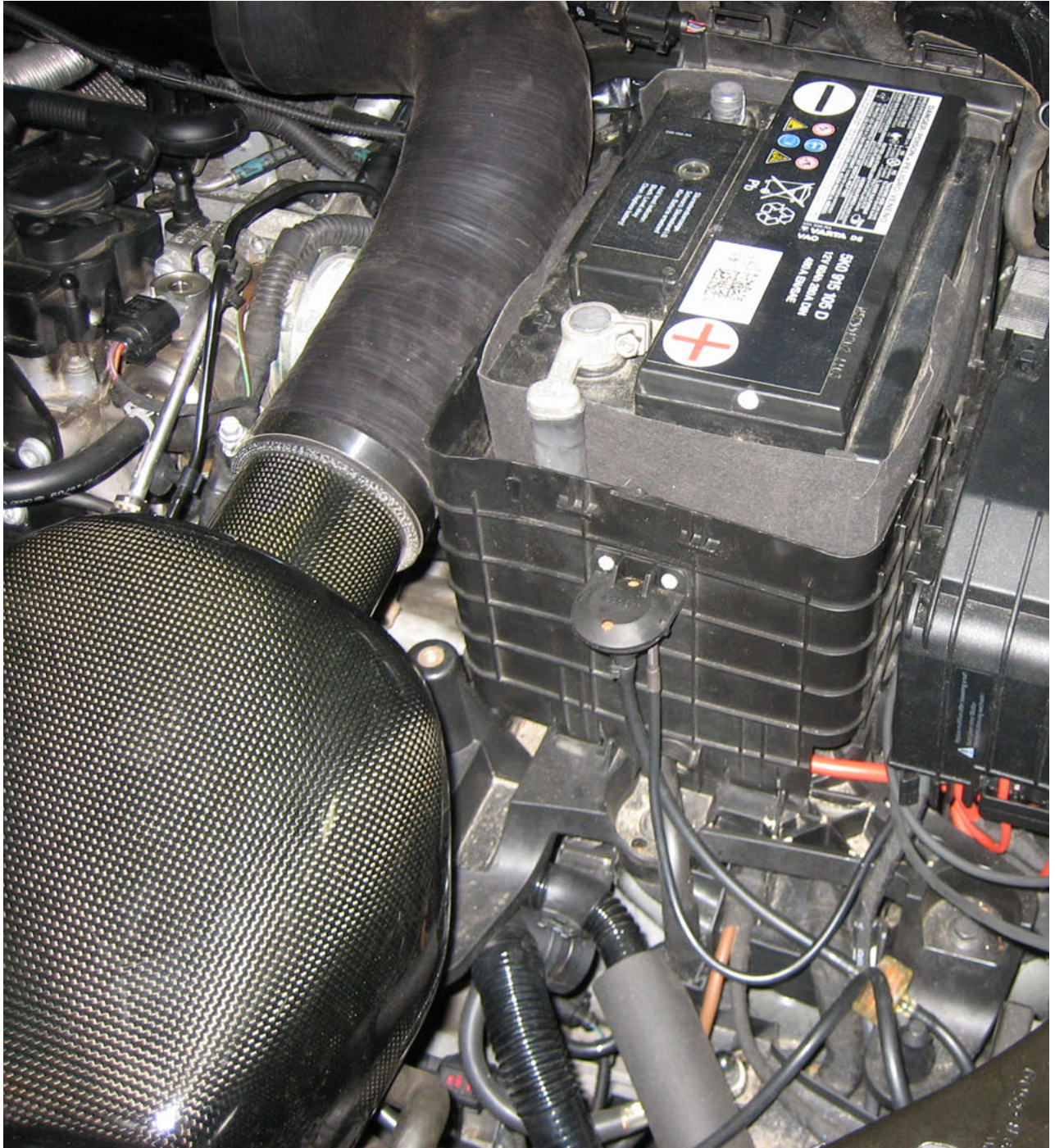


Using a coat hanger or similar pointed object, poke a hole and feed your wiring through. Use electrical tape and tape the wiring to the coat hange

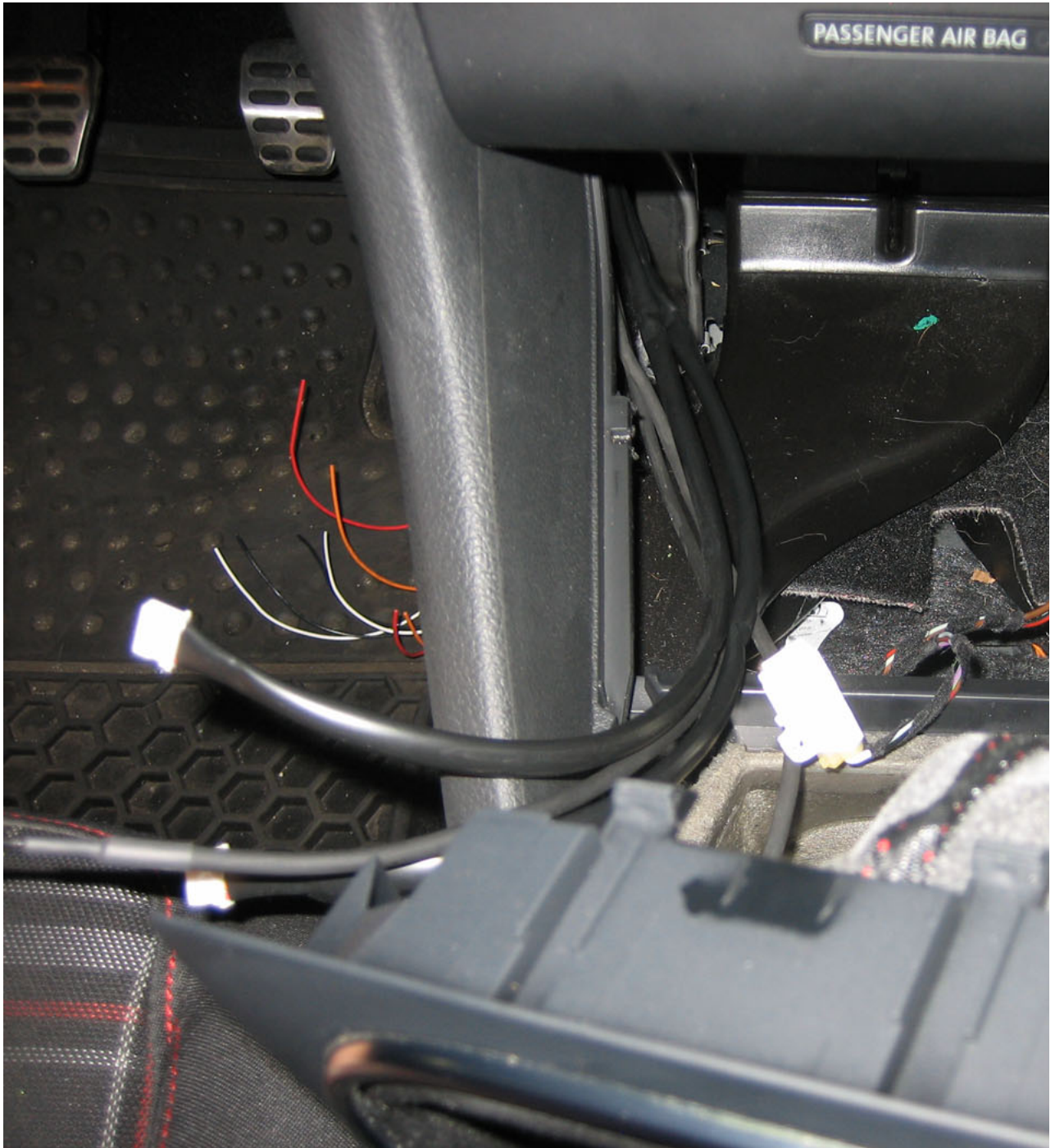




Head back to the engine bay and reinstall the battery. Leave the negative terminal disconnected.



Determine where you're installing your gauge. I opted for Osir's dual pod setup to run oil pressure and oil temperature. Therefore I removed the : through. Feed the sender wiring as well as your power/ground wiring through.



Re-assemble any removed trim.



Break out your add-a-fuses. I also purchased a cheap set of mini-fuses off eBay or Amazon so I have plenty to spare. Find a constant power source, many people have used the vent lights. I used Fuse 2 (brake switch - switched) and 14 (aircon? constant) on my 2010, but I thi

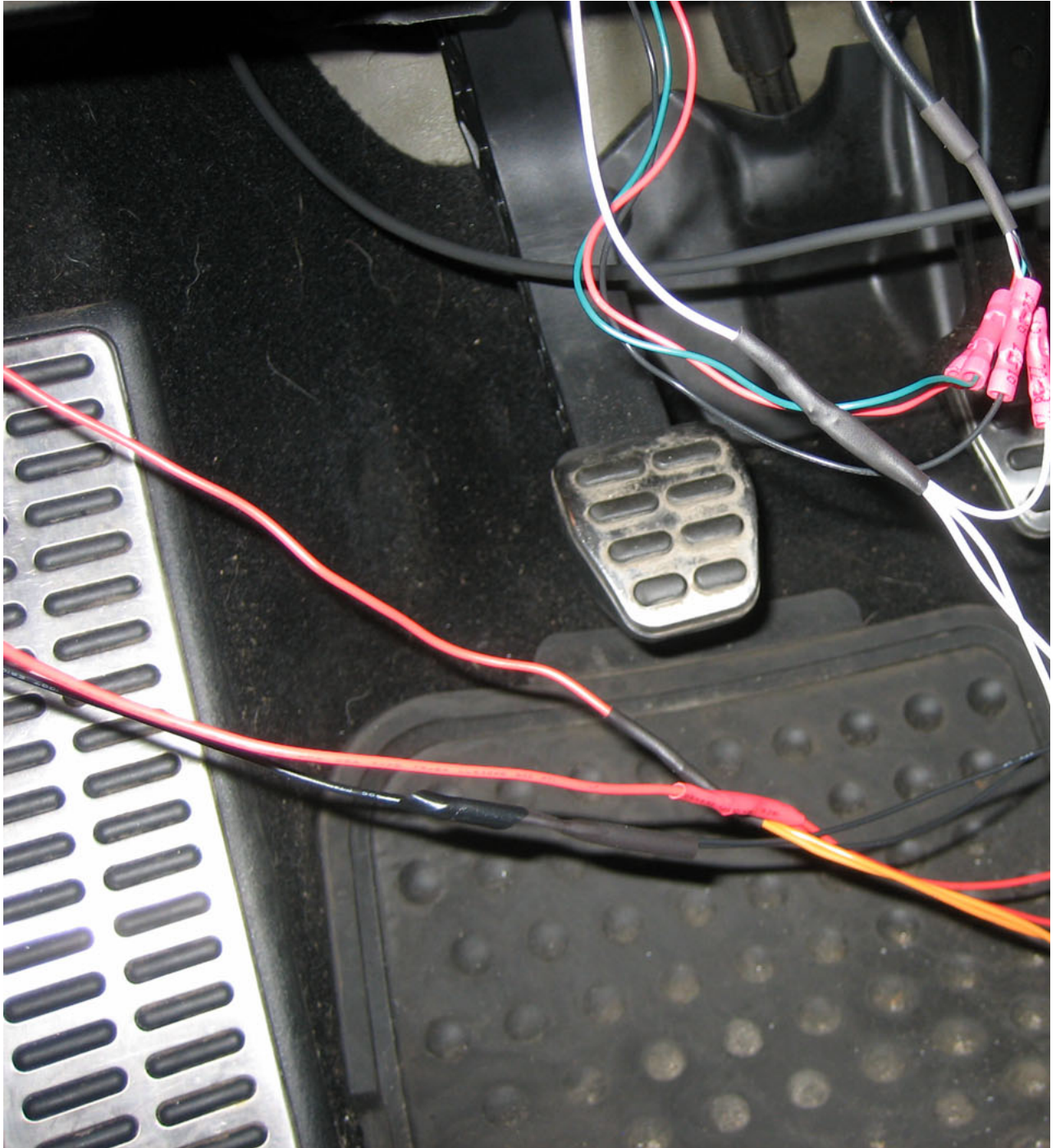
I grounded to the bolt barely visible at the top of the image.





Connect your wiring. I personally prefer soldering, but crimp connectors are fine as well. Use some electrical tape or heat-shrink tubing to cover up the wiring layout, for mine:

Red: 12V Power (constant)
Orange: Switched Power
White: Illumination
Black: Ground

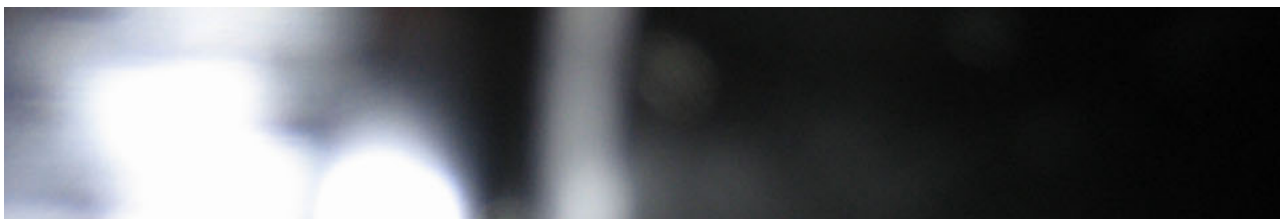


Stuff the wiring out of the way, zip tie it somewhere under the steering column.

Head back to the engine bay, and break out your relocation kit from 42 Draft Designs. Assemble as instructed, and be sure to note whether your The stock sender is M10, and the kit includes an M10-1/8" NPT adapter. Be sure you use teflon tape or paste on the threads - but remember that

The stock oil pressure switch is located on the oil filter housing. Disconnect the stock oil pressure sender wire. Remove the stock oil pressure sender

Thread your M10 adapter into the block, and thread the extension hose into it.





Assemble the rest of your kit - attach the relocation block to the extension hose, thread in the stock sender to the M10 port and your aftermarket I found a random bolt near my catch can bracket and torqued it down.



Before tidying up, start the car and check for leaks. Some items may need to be torqued down more, some may need more teflon tape/paste. Let the block, as well as all connections on the relocation block. Clean up any oil from any leaks.

Once you find a place to secure the relocation kit (I attached mine to my catch can) clean up your wiring and secure your sender wiring somewhere unit, but the idea is the same.



After all is cleaned up, have a peek at your oil pressure gauge. I'll see if I can get some better day/night pics once I've got the oil temp gauge wo
Crappy pic:



--
Kenny
APR Stage 3 | HEX-CAN


















07-20-2013, 11:11 AM

















#2

FinallygotmyGTI
Touring Car Newbie

Awesome DIY! Thanks for this. I'll be installing my oil pressure and temp at some point soon.

BOOST!
2013 CSG Wolfsburg 6spd
[My Build Thread](#)

<div></div> <div><p>Drives: 2013 6spd Wolfsburg GTI Join Date: May 2013 Location: Bay Area Posts: 203</p></div> <div></div>	<div><div>quote</div></div>
<div><div>07-21-2013, 06:40 AM</div><div>#3</div></div> <div><div><div>85RedGolf2.5</div><div>FIA GT Newbie</div><div></div><div></div><div><p>Drives: 2012 Golf TDI w/DSG Join Date: May 2012 Location: Mt. Dora, FL Posts: 702</p></div><div></div></div><div><div><p>Looks Great, but one question, is the small storage bin there still usable, and how bout the 12v plug in there, that too? Looks great, just looks like it causes you to lose a storage bin, and I use that spot since there isn't that much in the car for storage...</p><p>85Steve: Mt. Dora, FL 2012 Golf TDI w/DSG Plans: Whitewall Tires, Wooden Floor/Trunk Mats, Retro Roof Rack, Wooden Interior Trim</p></div><div><div>quote</div></div></div></div>	
<div><div>07-21-2013, 10:35 AM</div><div>#4</div></div> <div><div><div>nvturbo</div><div>Formula 5000 Champion</div><div></div><div></div><div><p>Drives: in & out of traffic...like a B055 Join Date: Dec 2011 Location: Charlotte, NC Posts: 2,351</p></div><div></div></div><div><div><p>Quote:</p><div>Originally Posted by 85RedGolf2.5  <i>Looks Great, but one question, is the small storage bin there still usable, and how bout the 12v plug in there, that too? Looks great, just looks like it causes you to lose a storage bin, and I use that spot since there isn't that much in the car for storage...</i></div></div><div><p>The storage bin and 12V socket is eliminated. As you can see, the gauges themselves are right up next to the ESP button and blanks.</p></div><div><div>quote</div></div></div></div>	
<div><div>07-21-2013, 11:52 AM</div><div>#5</div></div> <div><div><div>FinallygotmyGTI</div><div>Touring Car Newbie</div><div></div><div></div><div><p>Drives: 2013 6spd Wolfsburg GTI Join Date: May 2013 Location: Bay Area Posts: 203</p></div><div></div></div><div><div><p>I think if you got with the newsouth pod you can still use the 12v. It just doesn't look as good as the Osir</p><p>BOOST! </p><p>2013 CSG Wolfsburg 6spd My Build Thread</p></div><div><div>quote</div></div></div></div>	
<div><div>07-21-2013, 12:52 PM</div><div>#6</div></div> <div><div><div>kennega</div><div>Oval Champion</div><div></div><div><p>Drives: 2010 GTI, 2001 A4 Join Date: Aug 2010 Location: Boston</p></div><div></div></div><div><div><p>Quote:</p><div>Originally Posted by nvturbo  <i>The storage bin and 12V socket is eliminated. As you can see, the gauges themselves are right up next to the ESP button and blanks.</i></div></div></div></div>	

<div>Posts: 166</div> <div></div>	<div>This. I can toss some small items in there, but I never really used the tray in the first place. I picked up one of the MDI-USB cables off ebay for like \$12 so I can charge my phone in place of the 12V socket.</div> <div>--</div> <div>Kenny APR Stage 3 HEX-CAN</div> <div> quote</div>
<div>07-27-2013, 11:09 AM</div> <div>Carbon Steel Formula 5000 Driver   Drives: Carbon Steel Gray 2010 GTI (6/1/10) Join Date: May 2010 Location: East Coast Posts: 1,927</div> <div></div>	<div>#7</div> <div>Nice install</div> <div>peace</div> <div>2010 CSG GTI, 18" Detroit's W/Summer Tires, Autobahn Package, DSG,RNS510 Touch Screen Nav, GTI Mat Kit, 2013 Red Turbo Beetle, Sun, Sound and Navigation, Red and Black Leather interior</div> <div> quote</div>
<div>07-27-2013, 11:22 AM</div> <div>216 Oval Champion   Drives: over the posted speed limit errday Join Date: May 2012 Location: Stuck In Ohio Posts: 154</div> <div></div>	<div>#8</div> <div>Subscribed for future reference. Thank you for the write up!</div> <div>APR K04 : APR FMIC : APR Carbonio Stage 1 & 2 : APR RSB : HS Tuning RSR clutch : Eurojet turboback : H&R Super Sport : DEPO smoked LED tails : BBS LM reps :</div> <div>Thank you HS Tuning! </div> <div> quote</div>
<div>08-18-2013, 05:31 PM</div> <div>elcroato Go Kart Champion  Drives: 2010 VW GTI, 2000 Skoda Octavia1.8T Join Date: Jun 2013 Location: Italy Posts: 36</div> <div></div>	<div>#9</div> <div>This may be a dumb question, but does oil run through these lines?</div> <div>EDIT: NVM, figured it out. The lines only get pressurized up until the sender, which isn't a lot of additional plumbing.</div> <div>2010 VW GTI: APR STG II, APR Downpipe, Wavetrac LSD, 102000KM.</div> <div><i>Last edited by elcroato; 08-23-2013 at 03:25 AM.</i></div> <div> quote</div>

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-- New 3.7

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