

PERFORMANCE BY



INSTALLATION GUIDE

**IE TRUEFLEX KIT FOR MK8 GTI, GOLF R AND AUDI 8Y S3
IEELDB1**



This installation guide is for instructional purposes only. For best results, professional installation by an experienced technician is always recommended. By reading this guide you agree Integrated Engineering is not responsible for any damage or personal injury caused by incorrect installation.

DIFFICULTY



Expect 30 - 40 minutes on average

REQUIRED TOOLS

- Flathead screwdriver
- 10mm socket or wrench
- 7mm socket or flathead screwdriver
- Hose cutter or razor blade

BEFORE YOU BEGIN

It is highly recommended to pre-read this entire guide ahead of your installation to familiarize yourself with each step. Always park your vehicle in a safe and level location and allow plenty of time for the engine bay and exhaust to completely cool. Locate and prepare your work space with each required tool listed above. Unbox all components and verify the contents and quantities before you begin. If anything is missing or damaged, please contact us for immediate help at support@performancebyie.com

REQUIRED PARTS

- No additional parts are required for this install

OPTIONAL PARTS

•

SPECIAL NOTE:

This install guide has been photographed and written on a 2023 Volkswagen GTI. Some steps and factory hardware specifications may vary depending on vehicle model, year, and region. This guide is for reference purposes only. If you are unsure of the installation procedure for any individual step or part, please seek professional help before proceeding.



INCLUDED PARTS

- | | |
|------------------------------------|---------------------------|
| 01 - TRUEFLEX HARNESS | 09 - DOUBLE SIDED 3M TAPE |
| 02 - TRUEFLEX SENSOR | |
| 03 - TRUEFLEX BOX | |
| 04 - PUSH LOCK BARB CONNECTOR (2X) | |
| 05 - HOSE CLAMP (2X) | |
| 06 - ECU PIN REMOVAL TOOL | |
| 07 - ECU PIN | |
| 08 - 3A FUSE | |

Some items may be partially assembled.

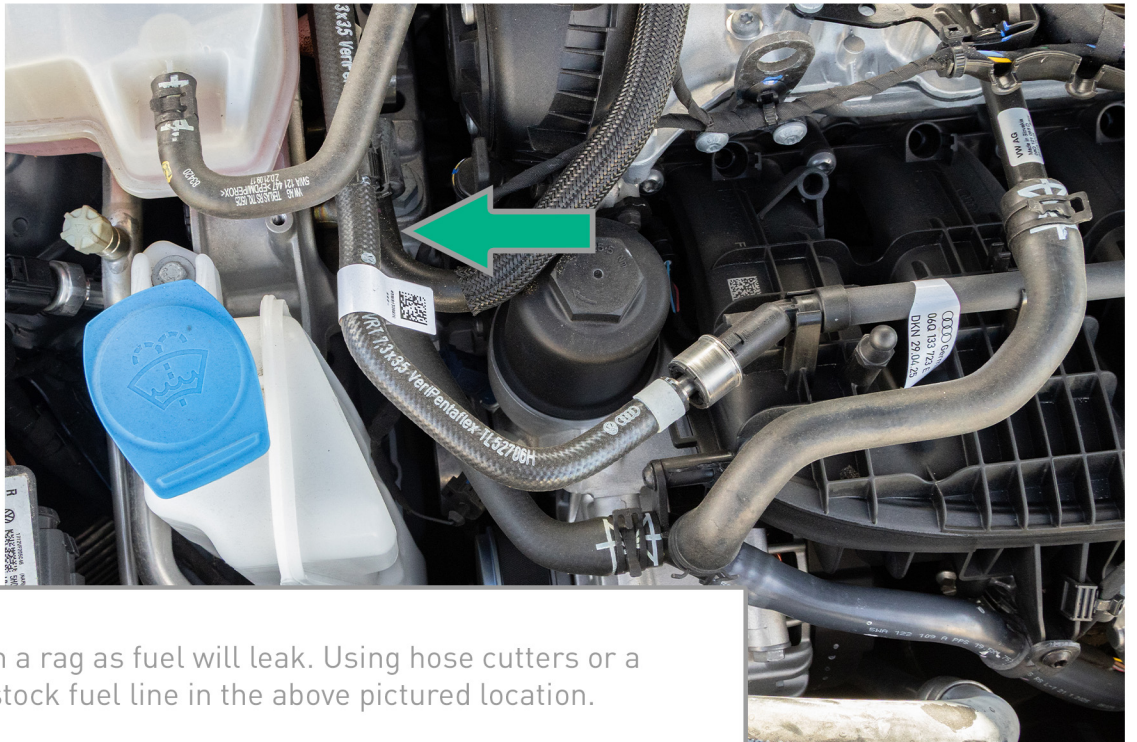


01



Using a 10mm socket, remove negative battery terminal.

02



Be prepared with a rag as fuel will leak. Using hose cutters or a razor blade cut stock fuel line in the above pictured location.

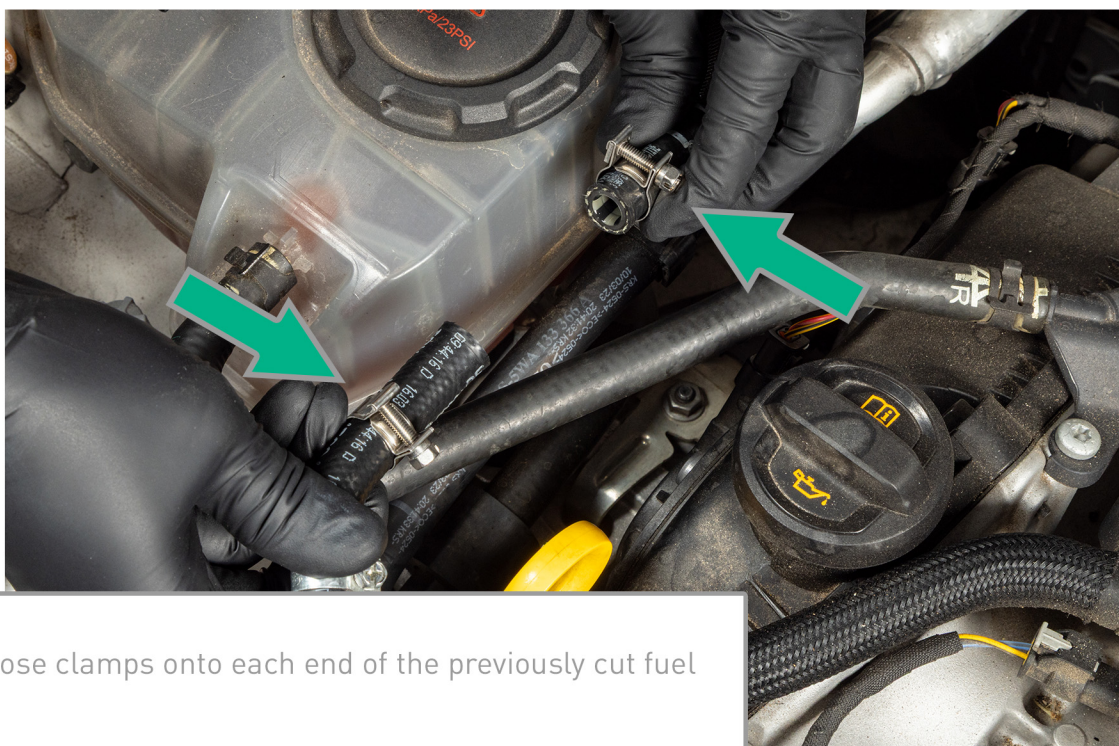


03



Install included push lock barb connectors on each side of included Trueflex sensor by pushing until you hear a click.

04



Place included hose clamps onto each end of the previously cut fuel line.

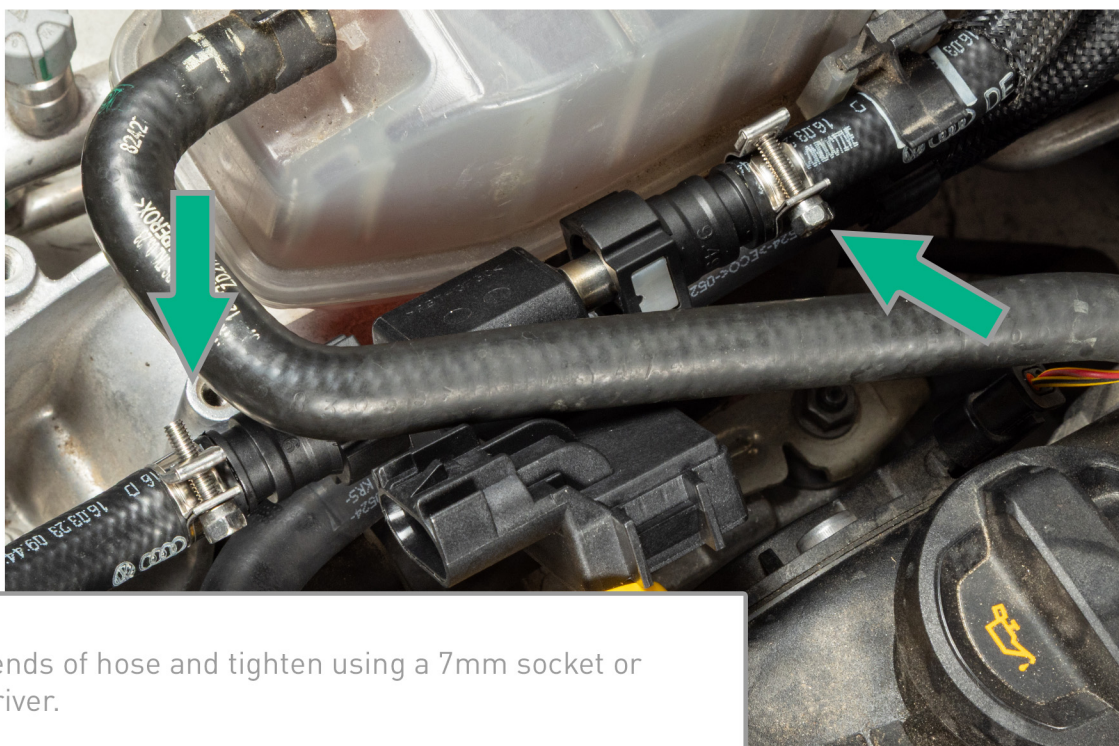


05



Install Trueflex sensor onto fuel line by inserting press lock bars into each side of fuel line. Be careful not to unseat brown o rings on barbs. Routing is up to personal preference, but we chose to place our Trueflex sensor underneath the coolant line (shown below.)

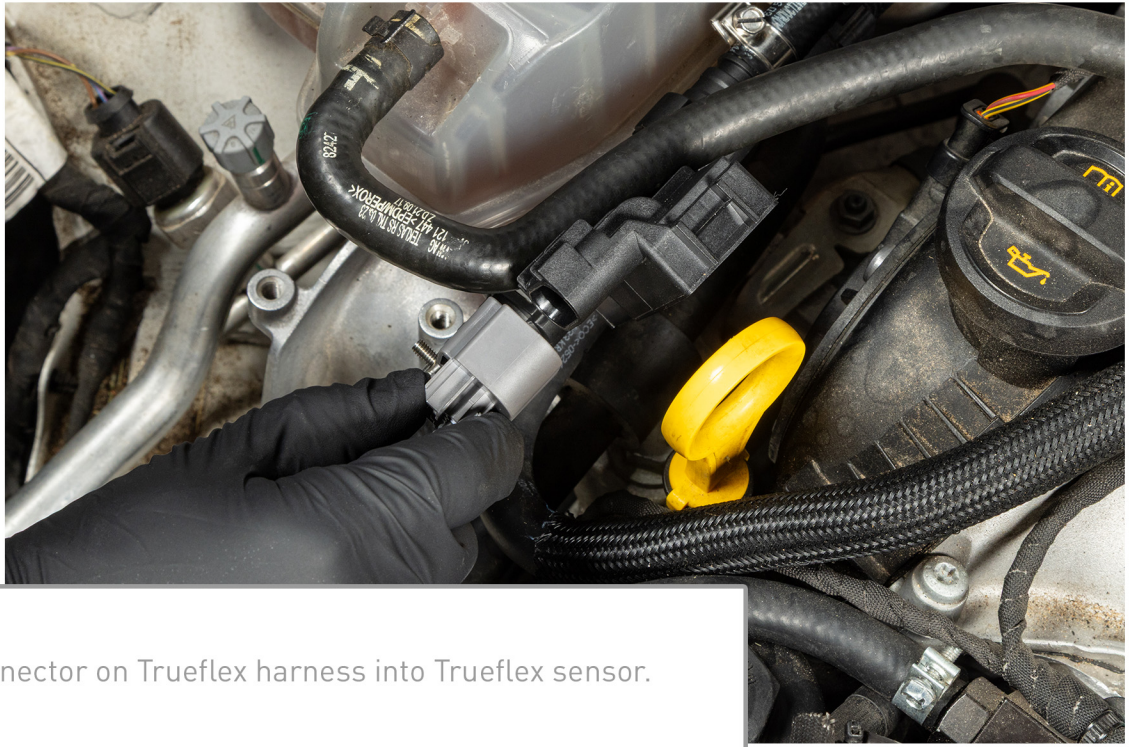
06



slide clamps to ends of hose and tighten using a 7mm socket or flathead screwdriver.



07



Plug in 3 pin connector on Trueflex harness into Trueflex sensor.

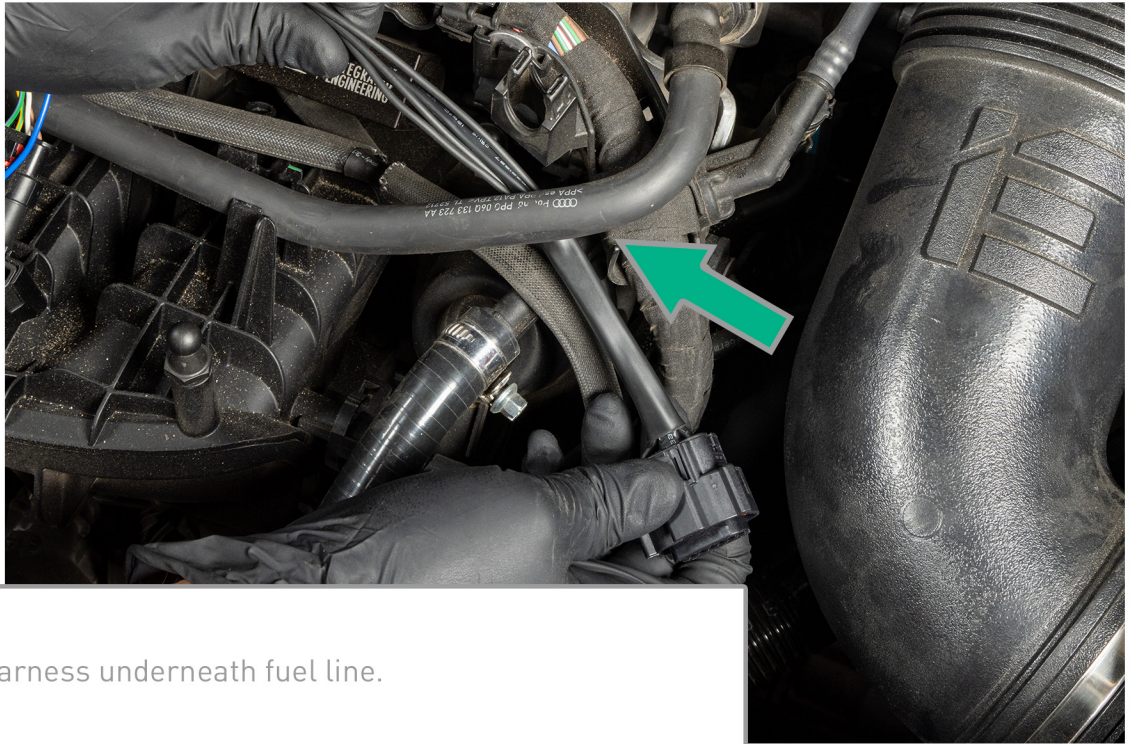
08



Release wire routing sheath cap to route Trueflex harness safely across motor.

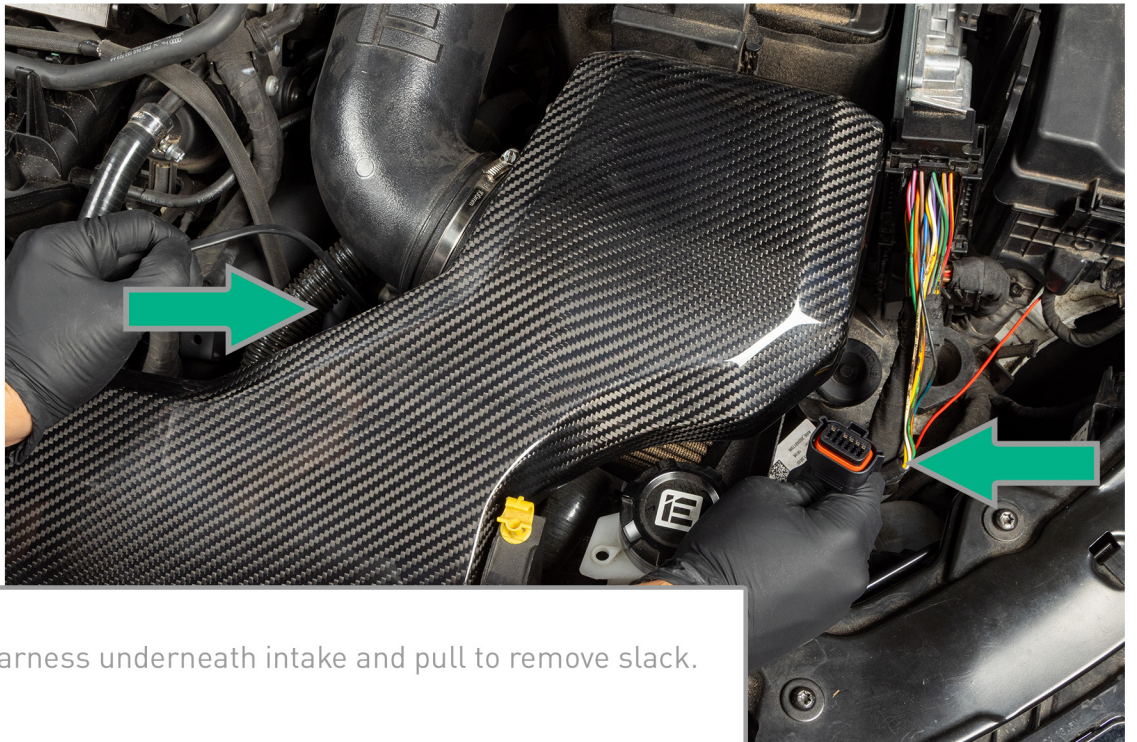


09



Route Trueflex harness underneath fuel line.

10



Route Trueflex harness underneath intake and pull to remove slack.



11



Remove fuse box lid.

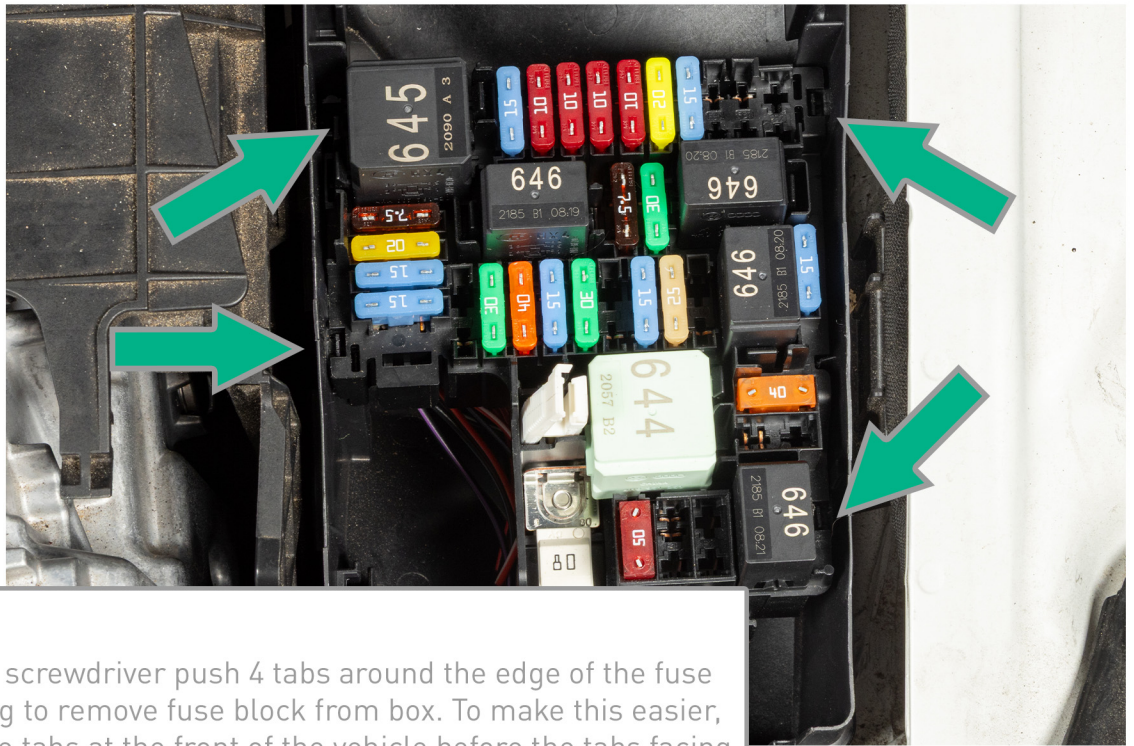
12



Using a flathead screwdriver remove front panel of fuse box. Pull tab away from fuse box while pulling up to remove.

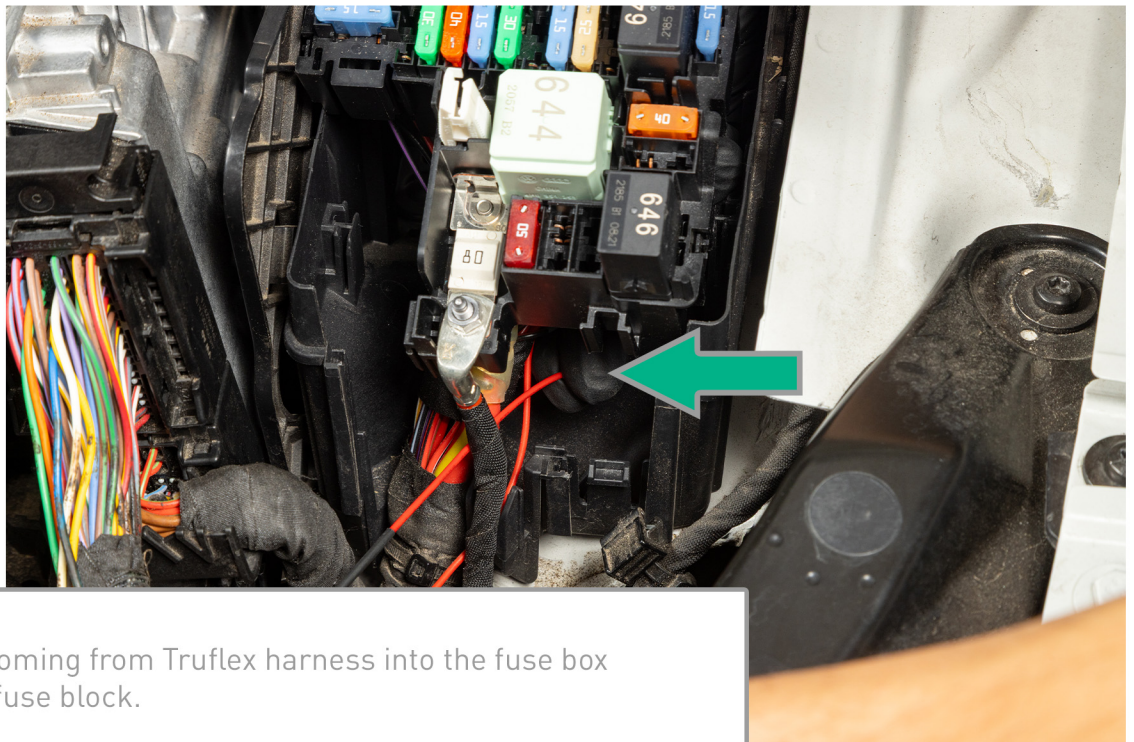


13



Using a flathead screwdriver push 4 tabs around the edge of the fuse block while lifting to remove fuse block from box. To make this easier, try unclipping the tabs at the front of the vehicle before the tabs facing the rear.

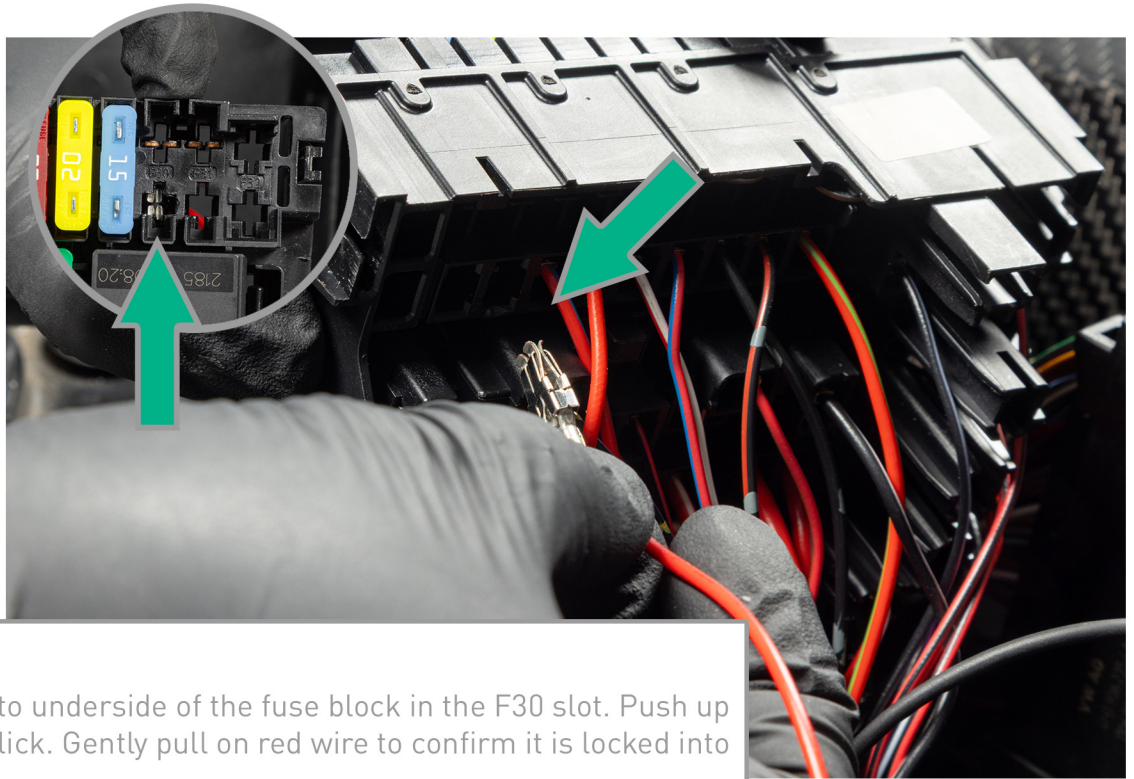
14



Route red wire coming from Truflex harness into the fuse box underneath the fuse block.



15



Push red wire into underside of the fuse block in the F30 slot. Push up until you feel a click. Gently pull on red wire to confirm it is locked into place.

16



Realign fuse block and push down until it clicks back into place.

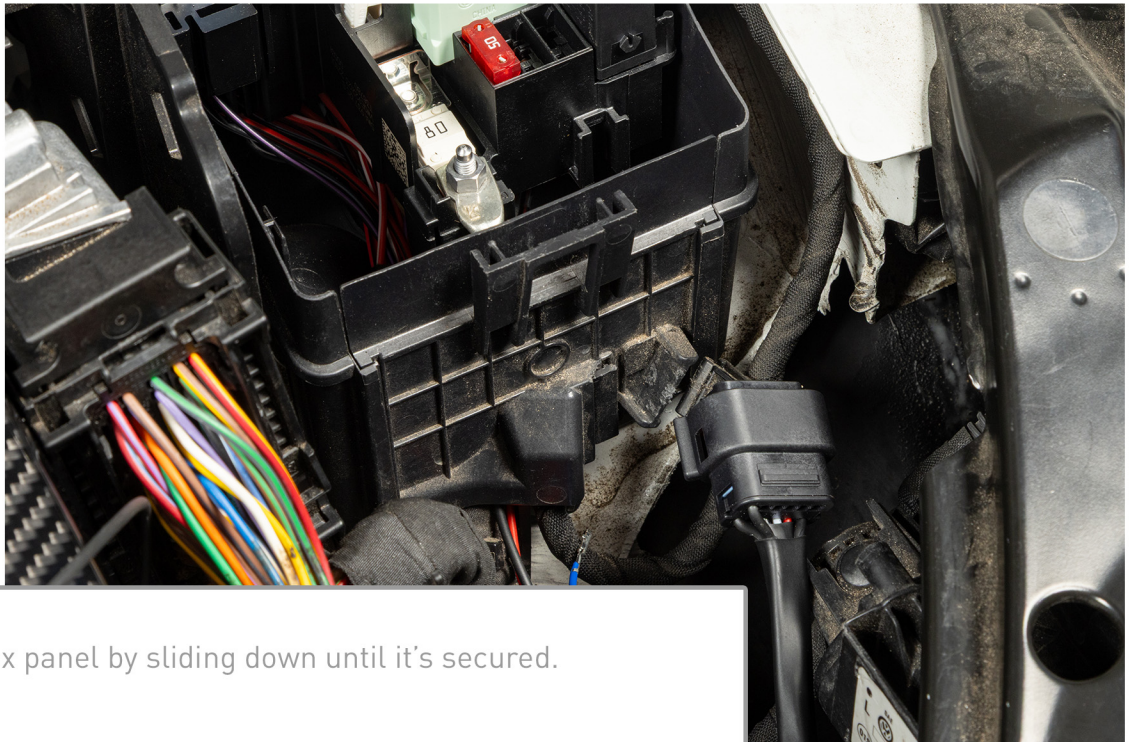


17



Insert included 3A fuse into the F30 slot.

18



Reinstall fuse box panel by sliding down until it's secured.

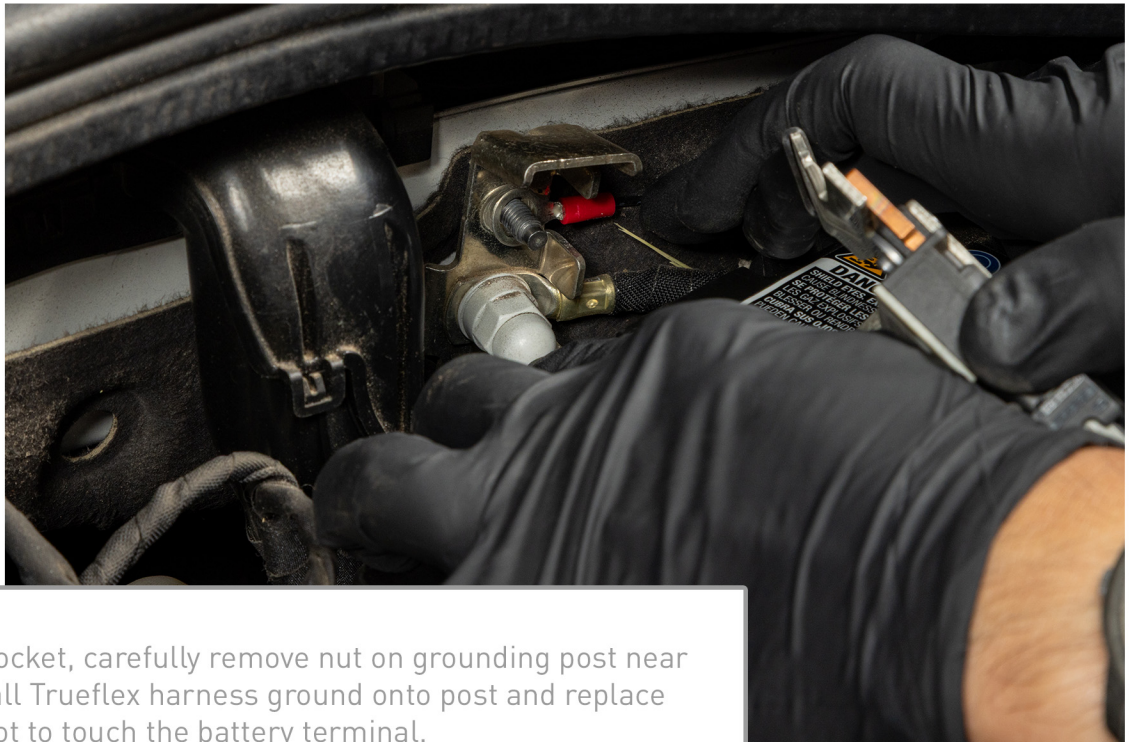


19



Reinstall fuse box lid.

20



Using a 10mm socket, carefully remove nut on grounding post near the battery. Install Trueflex harness ground onto post and replace nut. Be careful not to touch the battery terminal.



21



Pull tab up on upper ECU connector and disconnect from ECU.

22



Using a flathead screwdriver, release lever on lower ECU and unplug from ECU.



23



Using a flathead screwdriver remove cover on the bottom ECU plug.

24



Using a flat head screwdriver, slide purple retainer up to allow access to ECU pins.



25



Using the included ECU pin removal tool, remove blank pin from slot 45.

26



Insert blue wire pin from Trueflex harness into slot 45. Push in until you hear a click.



27



After inserting pin into ECU harness, slide purple retainer back into place to lock pins.

28



Making sure the lever is slid all the way out, replace cover on lower ECU plug.

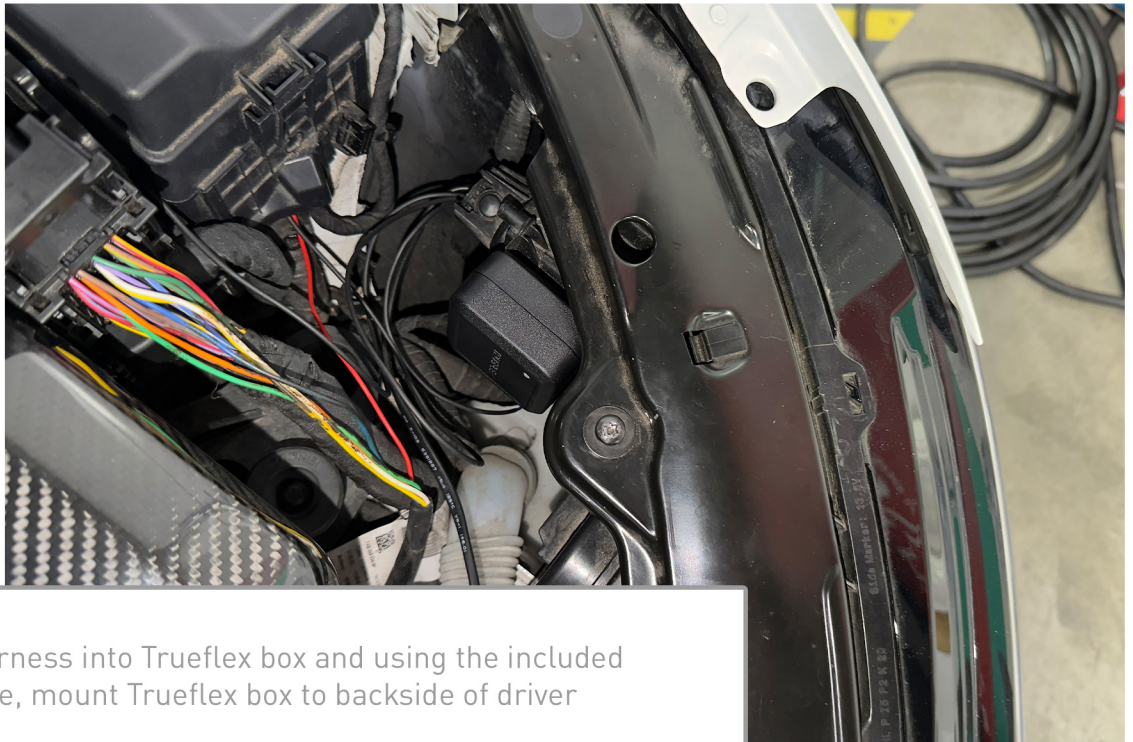


29



Plug in ECU.

30



Plug Trueflex harness into Trueflex box and using the included double sided tape, mount Trueflex box to backside of driver headlight.



ENJOY!

Thank you for purchasing an Integrated Engineering product. We are dedicated to serving your performance needs. Please check our website frequently for new product releases. If you have any questions or concerns about this product please do not hesitate to contact us.



HOW WAS YOUR INSTALL?



Stoked?

Awesome! Please leave a review.
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Bummed?

Sorry, let us make it right.
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