

## ***advanced FLOW engineering***

**Instruction Manual** P/N: 46-71210A / 46-71210B  
46-71240A / 46-71240B

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### **EA113 / EA888 Oil Pan**

|   |   |
|---|---|
| Make: <b>Volkswagen</b> Model: <b>GTI</b>             | Year: <b>2006-2021</b> Engine: <b>I4-2.0L (t)</b> |
| Make: <b>Volkswagen</b> Model: <b>Golf R</b>          | Year: <b>2015-2019</b> Engine: <b>I4-2.0L (t)</b> |
| Make: <b>Volkswagen</b> Model: <b>Golf / Alltrack</b> | Year: <b>2006-2019</b> Engine: <b>I4-1.8L (t)</b> |
| Make: <b>Volkswagen</b> Model: <b>Jetta GLI</b>       | Year: <b>2019-2021</b> Engine: <b>I4-2.0L (t)</b> |
| Make: <b>Volkswagen</b> Model: <b>Jetta</b>           | Year: <b>2006-2019</b> Engine: <b>I4-1.8L (t)</b> |
| Make: <b>Audi</b> Model: <b>A3</b>                    | Year: <b>2005-2020</b> Engine: <b>I4-2.0L (t)</b> |
| Make: <b>Audi</b> Model: <b>S3</b>                    | Year: <b>2015-2020</b> Engine: <b>I4-2.0L (t)</b> |
| Make: <b>Audi</b> Model: <b>TT Quattro</b>            | Year: <b>2009-2020</b> Engine: <b>I4-2.0L (t)</b> |
| Make: <b>Audi</b> Model: <b>TTS Quattro</b>           | Year: <b>2016-2020</b> Engine: <b>I4-2.0L (t)</b> |



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Ensure that your vehicle is cooled off before proceeding.
- Retain factory parts for future use.

| Label | Qty. | Description   | Part Number |
|-------|------|---|-------------|
| A1    | 1    | Oil Pan – Raw, Machined Fins<br>(46-71210A)             | 05-61106A   |
| A2    | 1    | Oil Pan – Black, Machined Fins<br>(46-71210B)           | 05-61106B   |
| A3    | 1    | Oil Pan – Raw, Machined Fins<br>(46-71240A)             | 05-61108A   |
| A4    | 1    | Oil Pan – Black, Machined Fins<br>(46-71240B)           | 05-61108B   |
| B     | 1    | RTV Silicone  | 05-60096    |
| C     | 20   | Screw, Socket Head M6x1.0x20                            | 03-50241    |
| D     | 20   | Washer, M6  | 03-50177    |
| E     | 3    | Screw, Socket Head M6x1.0x20<br>(46-71210A / 46-71210B) | 03-50241    |
| F     | 3    | Washer, M6<br>(46-71210A / 46-71210B)                   | 03-50177    |
| G     | 1    | Drain Plug, Magnetic M12x1.25                           | 03-50385    |
| H     | 1    | Washer, Crush M12                                       | 03-50384    |



A1



A2



A3



A4



B



C



D



E



F



G



H

**IMPORTANT NOTE:**

**BEFORE BEGINNING INSTALLATION, ENSURE THAT YOU HAVE THE CORRECT PAN CONFIGURATION.**

**46-71210A / 46-71210B: FOR VEHICLES WITH OIL LEVEL SENSOR**



**46-71240A / 46-71240B: FOR VEHICLES WITHOUT OIL LEVEL SENSOR**





**Note: Volkswagen GTI shown for the duration of this instruction manual.**

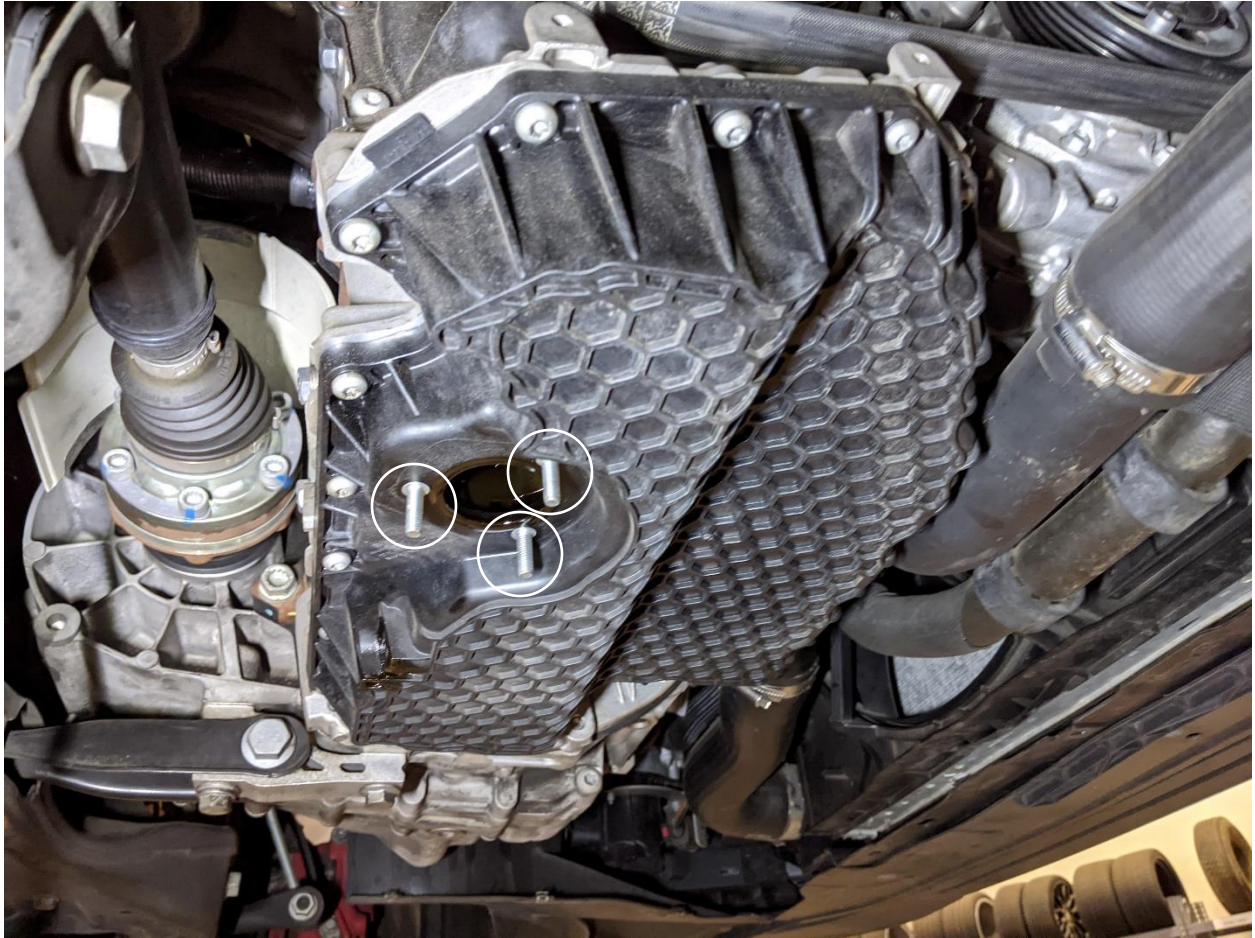
1. Park your vehicle on a flat, dry surface. You will need to block the tires to prevent the vehicle from rolling.

**Note: You will need to get under the car to do this installation. Please use every precaution when lifting the vehicle.**

2. Remove the skid plate. Keep track of the screws as they will be re-installed later.



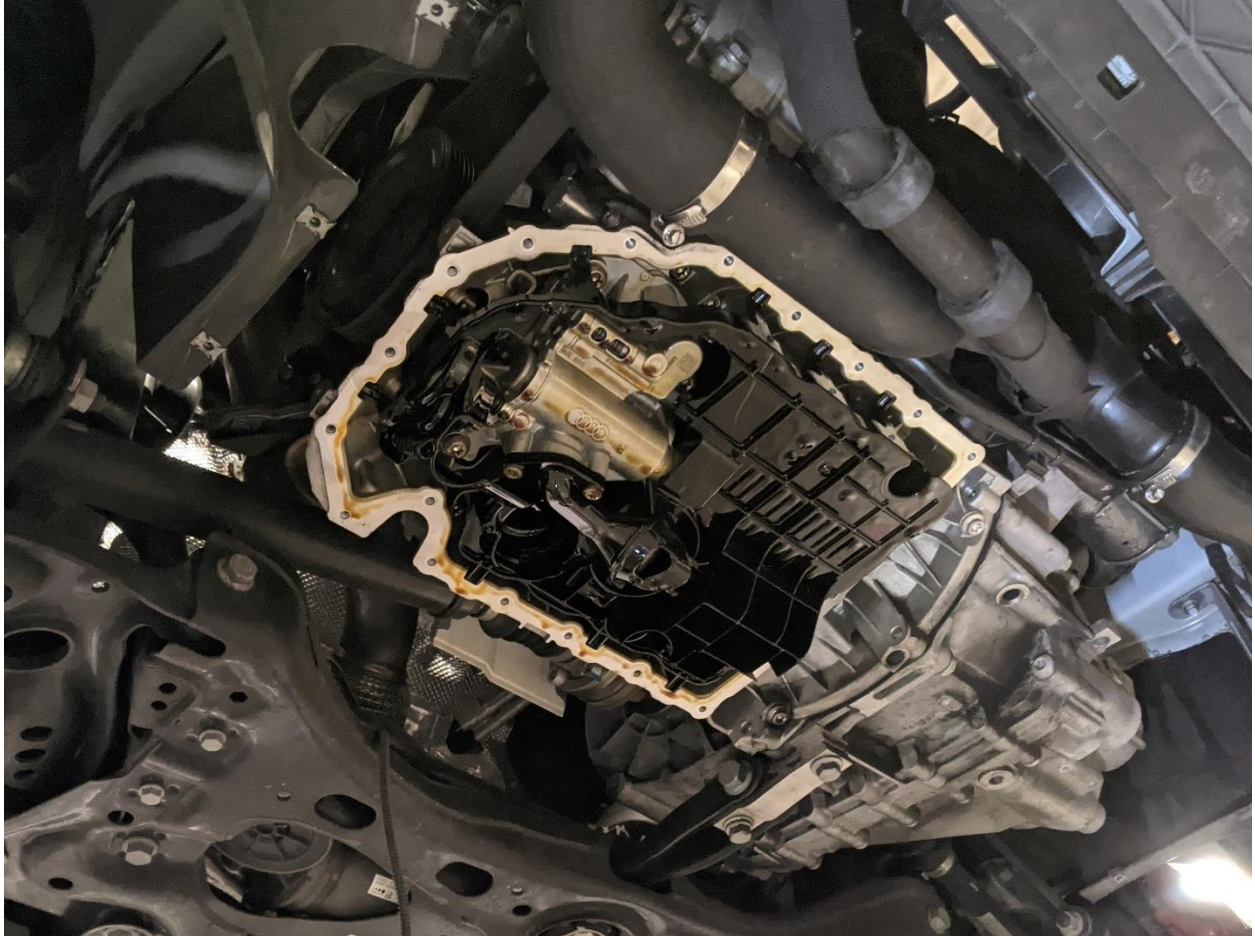
3. Position a large fluid pan directly below the drain plug.
4. Remove the drain plug and allow the oil to drain.
5. Reinstall the drain plug.



**When installing kit numbers 46-71210A / 46-71210B only:  
(46-71240A / 46-71240B Skip to Step 9)**

6. Remove the three (3) nuts attaching the oil level sensor.
7. Remove the oil level sensor and allow the remaining oil to drain.
8. Carefully move the sensor off to the side.





9. Remove the 20 bolts from the OEM pan.
10. Slowly lower the pan while keeping it level and pour out the remaining oil.

**Note: There will still be fluid left in the bottom of the oil pan. Be careful not to spill this remaining fluid.**



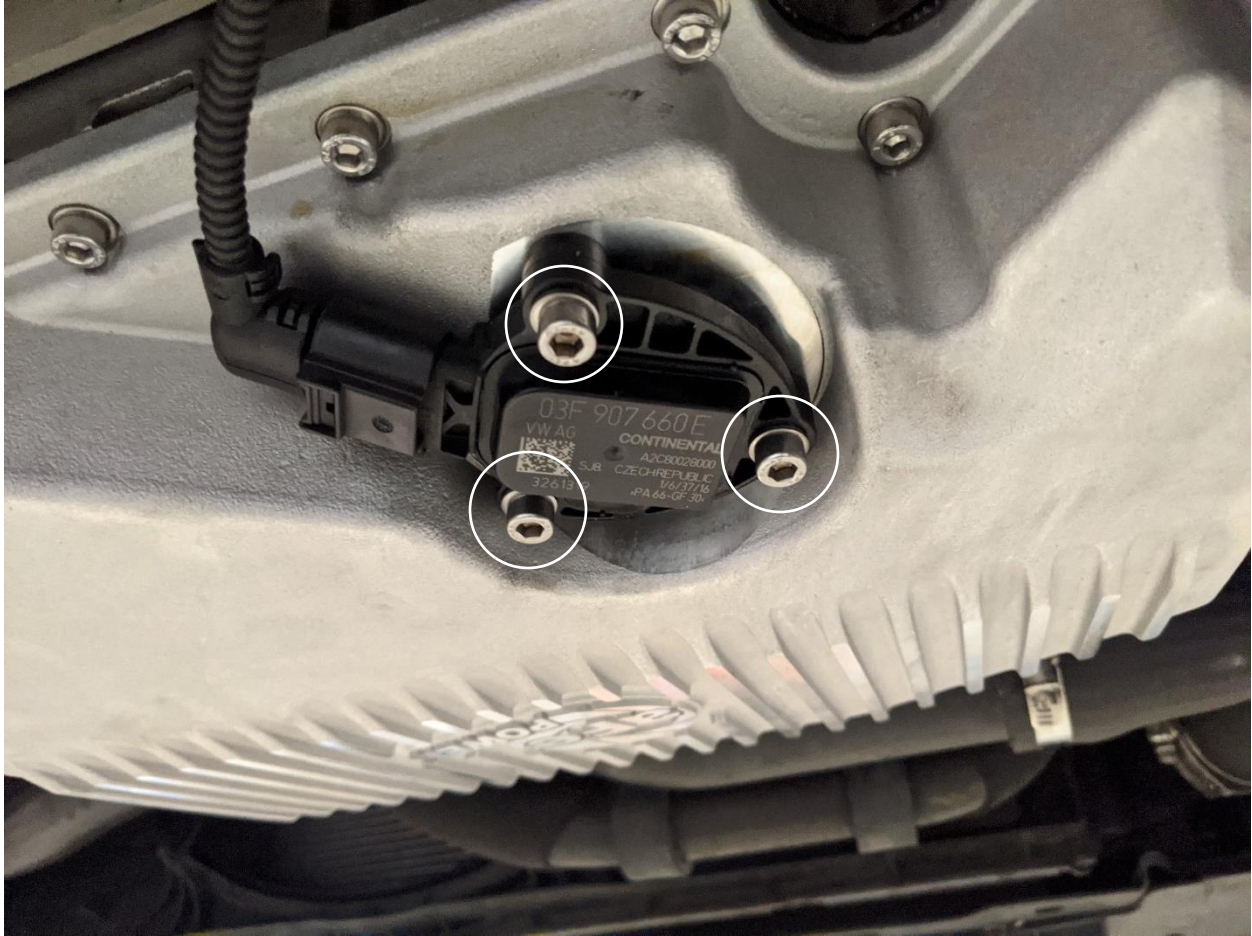
11. Clean the sealing surface on the engine. Be careful not to gouge the surface while cleaning.
12. Hold the supplied aFe oil pan up to the gasket surface to make sure you will be able to maneuver it into place.
13. Once you have a clear path to lift the aFe oil pan into place, prepare the 20 supplied M6x1.0x20 socket head screws and M6 washers.
14. Spread the supplied RTV silicone across the sealing surface. Be generous when spreading the silicone across the surface, ensuring the inside of each bolt hole is covered.



15. Hold the oil pan up into position, aligning the screw holes. Install one (1) M6x1.0x20 socket head screw and M6 washer into each of the four (4) corners to hold the pan into place.

**Note: Be careful not to move the pan once it comes in contact with the gasket surface.**

16. Continue installing the 16 remaining M6x1.0x20 socket head screws and M6 washers finger tight.
17. Torque the mounting screws to 8 ft. -lbs. in a crisscross pattern.



**When installing kit numbers 46-71210A / 46-71210B only:  
(46-71240A / 46-71240B Skip to Step 19)**

18. Install the oil level sensor to the aFe oil pan using three (3) supplied M6x1.0x20 socket head screws and M6 washers.



19. Install the supplied M12x1.25 magnetic drain plug and crush washer.
20. Reinstall the skid plate using the screws removed in Step 2.

**Note: It is recommended to replace your oil filter at this time.**

21. Refill the system with new oil. Your aFe pan holds 1 quart (0.94 liters) more than stock for about 7 quarts (6.6 liters) to the full line on the dipstick.

**Note: The car needs to be warmed up in order to get an accurate reading on the dipstick.**

22. Your installation is complete. Verify all connections are secure before driving.

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