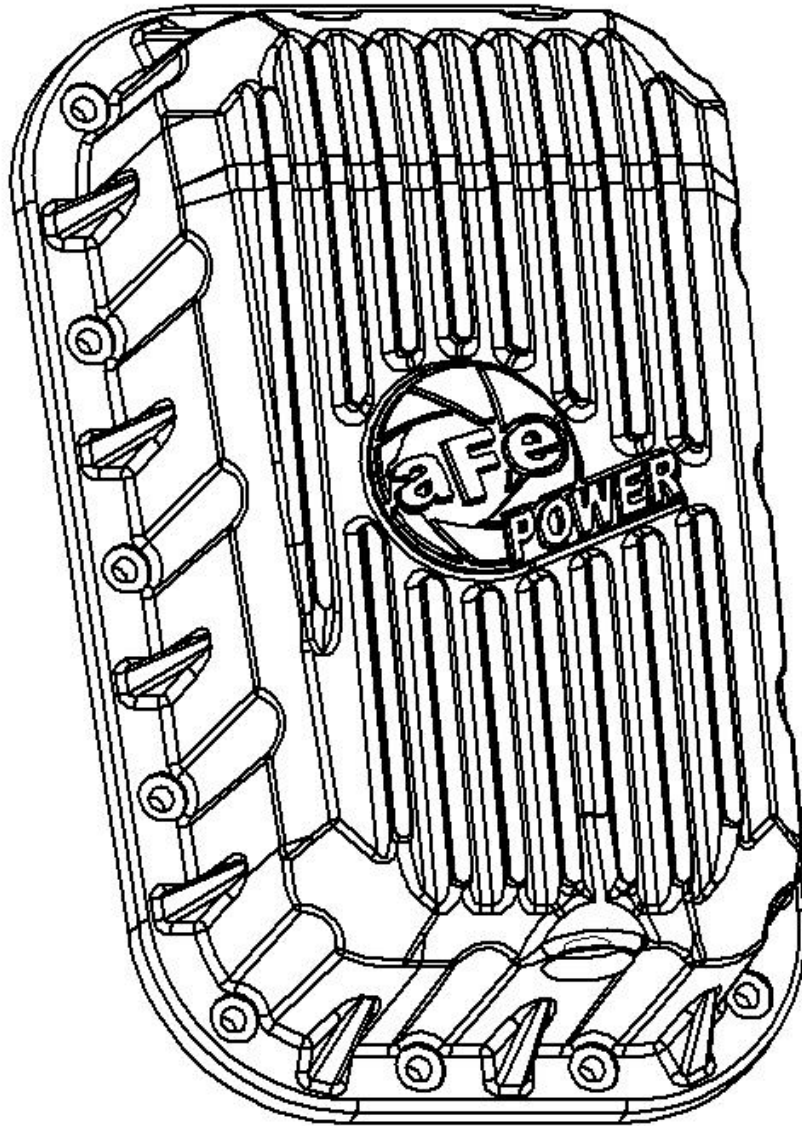
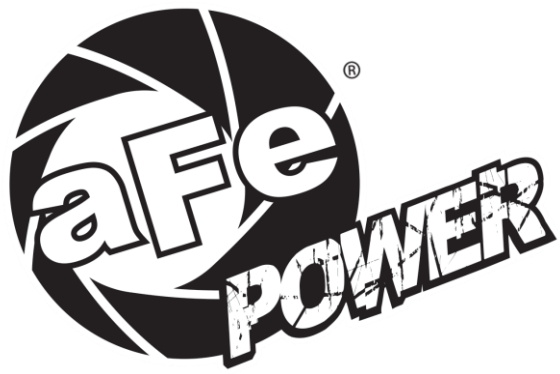




advanced FLOW engineering

Instruction Manual P/N: 46-71450A / 46-71450B

Make: **Jeep**

Model: **Wrangler (JK)**

Year: **2012-2018**

Engine: **V6-3.6L**



9

- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Oil Pan – Raw, Machined Fins (46-71450A)	05-61670A
A2	1	Oil Pan – Black, Machined Fins (46-71450B)	05-61670B
B	1	RTV Silicone	05-60096
C	12	Screw, Socket Head Cap: M6x1.0x20	03-50241
D	14	Washer, M6 (12mm OD x 6.4mm ID)	03-50177
E	1	Plug, M12 x 1.25	03-50385
F	1	Washer, Aluminum: M12, 15.85MM OD	03-50384
G	2	Stud: M6x1.0x18mm and 8mm S/S	03-50870
H	2	Nut, Flanged: M6x1.0 S/S	03-50884

Tools Needed:

- 10mm Socket
- 13mm Socket
- 14mm Socket
- 5mm Hex-Bit Socket
- Ratchet & Extension
- Prying Bar
- Torque Wrench

Warranty Information available at <https://afepower.com/contact#warranty>

Emissions Disclaimer: This product does not require a CARB EO#.



A1



A2



B



C



D



E



F



G



H



Figure A

Refer to Figure A for Steps 1-2

Step 1: Park the vehicle on level ground and engage the parking brake. Allow the vehicle to cool down before beginning installation.

Step 2: Remove the stock drain plug and drain the oil completely.



Figure B

Refer to Figure B for Steps 3-4

Step 3: Remove the twelve (12) stock hex-head screws and the two (2) stock hex head nuts securing the stock oil pan.

Step 4: Carefully pry the stock oil pan away from the upper oil pan. Use caution when removing the oil pan.

Note: There will be oil at the bottom of the oil pan.



Figure C

Refer to Figure C for Steps 5-6

Step 5: Remove the two (2) stock alignment studs.

Step 6: Thoroughly clean the mating surface.

Note: Clean the oil off the oil pickup and surrounding area.

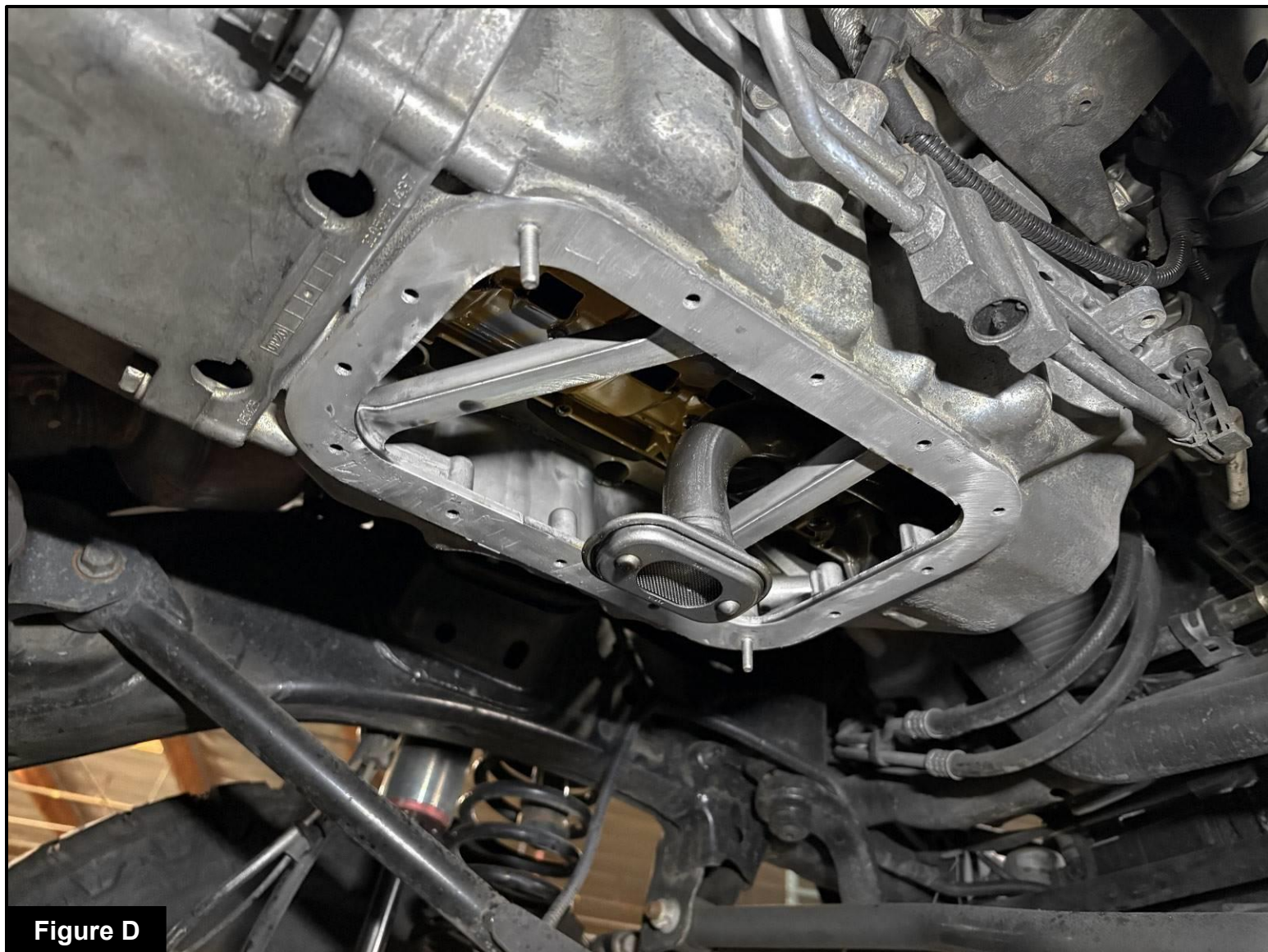


Figure D

Refer to Figure D for Step 7

Step 7: Install the two (2) supplied double end studs to align the aFe oil pan. Torque the studs to **80 in-lb (9 Nm)**.



Figure E

Refer to Figure E for Step 8

Step 8: Apply a continuous bead of RTV silicone in the machined groove and around the screw holes.



Figure F

Refer to Figure F for Steps 9-12

Step 9: Carefully install the aFe oil pan until it contacts the upper oil pan.

Step 10: Install the supplied twelve (12) socket head cap screws, two (2) hex flanged nuts and fourteen (14) washers to secure the aFe oil pan. Do not fully tighten yet.

Step 11: Torque the screws and nuts to **80 in-lb (9 Nm)** in an X-pattern.

Step 12: Install the supplied M12 x 1.25 drain plug and crush washer into the bottom of the aFe oil pan and torque to **20 ft-lb (27 Nm)**.



Figure G

Refer to Figure G for Steps 13-16

Step 13: Allow the silicone to set for 1 hour before filling with the vehicle manufacturer's recommended engine oil.

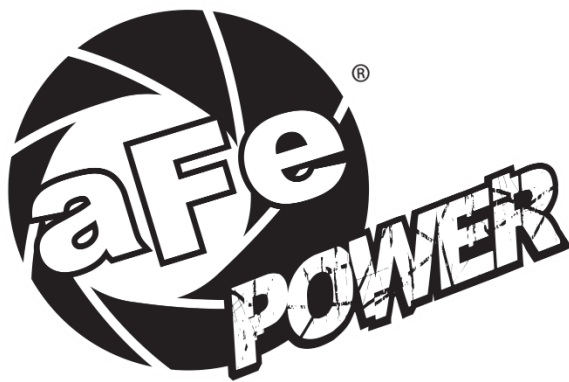
Step 14: Replace the oil filter (not supplied).

Step 15: Start the engine and check for leaks. Top off the oil if necessary.

Step 16: Installation is now complete.



This Page Intentionally Left Blank



advanced FLOW engineering, inc.

Corona, CA 92879

<https://afepower.com/contact>