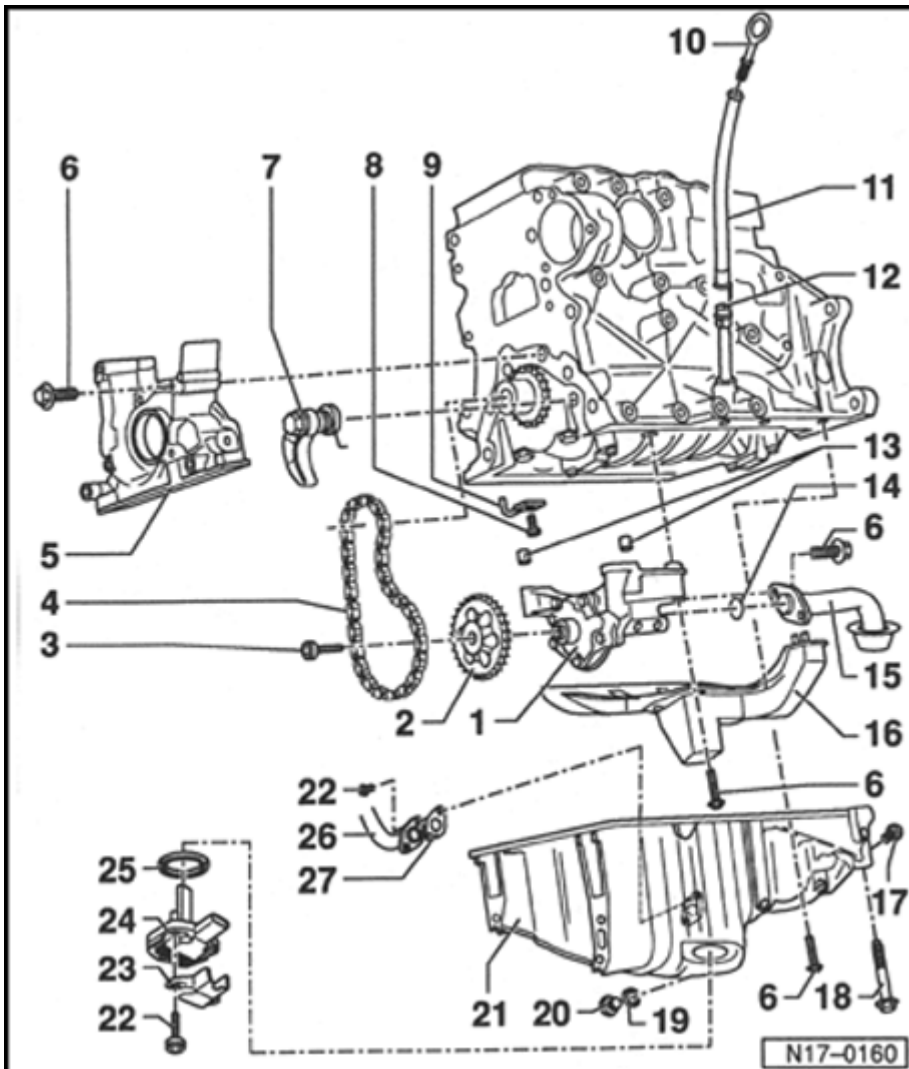


Part II: Disassemble oil filter bracket.



Courtesy of VOLKSWAGEN UNITED STATES, INC.

- With pressure relief valve 12 bar
- Before installing, check to be sure both alignment bushings are present (for centering oil pump/cylinder block)
- Replace if evidence of scoring or striation is present on contact surfaces and gears.

## 4 - Chain

## 5 - Sealing flange

- With seal
- Must be located on dowel sleeves
- Removing and installing --> **Front sealing flange, removing and installing**
- Insert with *silicone sealant D 176 404 A2* --> **Front sealing flange, removing and installing**

## 6 - 15 Nm

## 7 - Chain tensioner with tensioning rail, 15 Nm

- When installing, pretension spring and hook in.

## 8 - 25 Nm

- Install without sealant

## 9 - Oil spray jet

- For piston cooling

## 10 - Oil dipstick

- Oil level must not be above the max. mark!
- Marks **Markings on oil dipstick**

## 11 - Inlet spout

- For extracting oil

## 12 - Guide tube

## 13 - Locating sleeves

## 14 - O-ring

- Replace

## 15 - Suction line

- Clean strainer if clogged.

## 16 - Baffle

## 17 - 45 Nm

- Connecting bolt oil pan-transmission

## 18 - 45 Nm

## 2003 Volkswagen Passat GL

ENGINE 1.8 Liter 4-Cyl. 5V Turbo Engine Mechanical, Fuel Injection Ignition, Engine Code(s): AUG, AWM

19 - Oil seal

- Replace

20 - Oil drain plug, 30 Nm

- Replace screw with permanent sealing ring

21 - Oil pan

- Clean sealing surface before installing
- Install with *silicone sealant D 176 404 A2* --> **Oil pan, removing and installing**

22 - 10 Nm

23 - Cover

24 - Oil level thermal sensor G266

25 - Oil seal

- Replace
- Oil before assembling

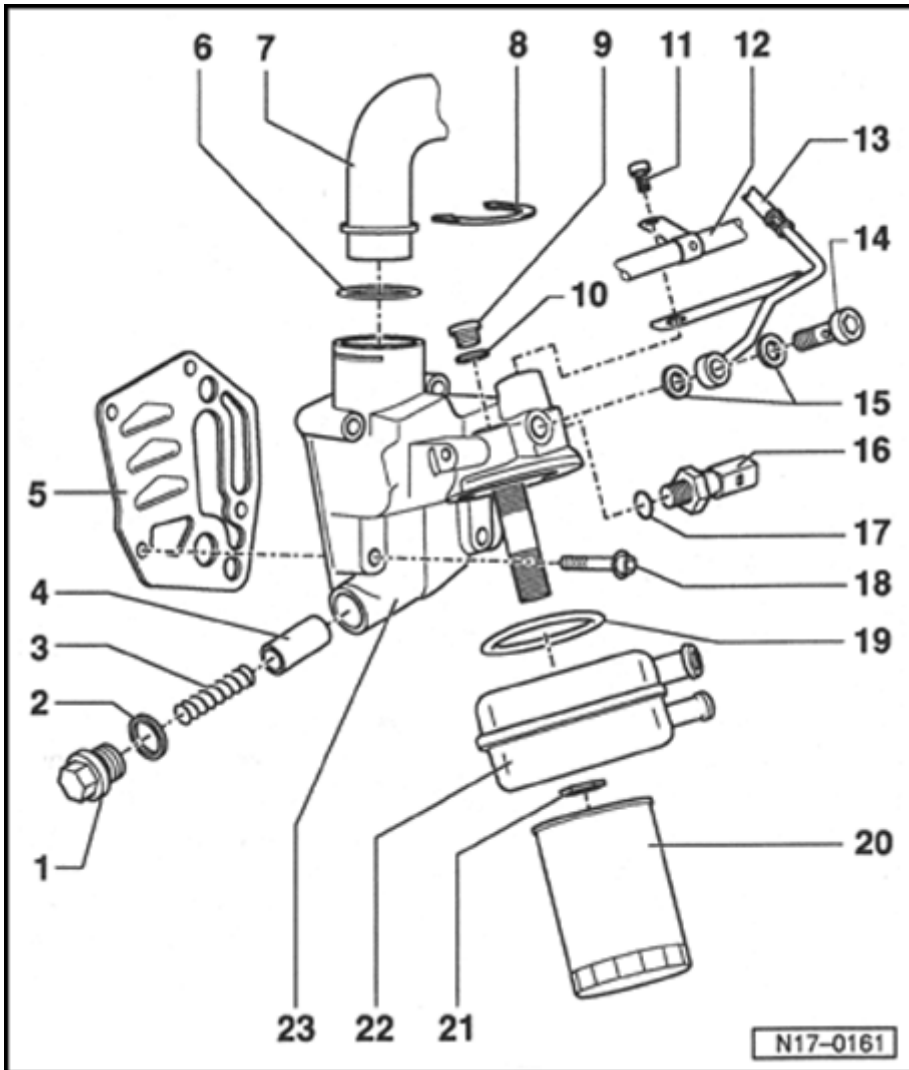
26 - Oil return line

- From turbocharger

27 - Seal

- Replace

**Part II**



**Fig. 119: Lubrication System, Assembly Overview (Part II)**  
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

1 - Locking bolt, 40 Nm

2 - Oil seal

- If sealing ring is leaking cut open and replace.

3 - Spring

- For pressure relief valve, approx. 4 bar

4 - Piston

- For pressure relief valve, approx. 4 bar

5 - Seal

- Replace

## 2003 Volkswagen Passat GL

ENGINE 1.8 Liter 4-Cyl. 5V Turbo Engine Mechanical, Fuel Injection Ignition, Engine Code(s): AUG, AWM

6 - Oil seal

7 - Pipe

8 - Retaining clip

9 - Locking bolt, 15 Nm

10 - Oil seal

- If sealing ring is leaking cut open and replace.

11 - 20 Nm

12 - Lower coolant line

13 - Oil supply line

- To turbocharger

14 - Banjo bolt, 30 Nm

15 - Seal

- Replace

16 - Oil pressure switch F1 , 25 Nm

- 1.4 bar
- Checking --> **Oil pressure and oil pressure switch, checking**

17 - Oil seal

- If sealing ring is leaking cut open and replace.

18 - 15 Nm plus  $\frac{1}{4}$  turn (90 ° )

- Replace

19 - Seal

- Replace
- Snaps into the tabs of oil cooler

20 - Oil filter element

- Remove with tension strap
- Fasten by hand
- Observe installation instructions for oil filter

21 - 25 Nm

22 - Oil cooler

- Ensure sufficient clearance to surrounding components
- See note --> **Lubrication system components, removing and installing**
- Coat contact surfaces to oil filter bracket outside seal with *AMV 188 100 02*

23 - Oil filter bracket

- With pressure relief valve, approx. 4 bar
- With pressed in check-valve