2 Description and Operation

- ⇒ "2.1 Fuel Tank with Attachments and Fuel Filter", page 130
- ⇒ "2.2 Electronic Power Control Components", page 133
- ⇒ "2.3 EVAP System Components", page 134

2.1 Fuel Tank with Attachments and Fuel Filter



Note

Make sure the supply or return lines do not come into contact with the fuel tank after all work on the fuel pump or the fuel gauge (transfer of pump noise).

1 - Union Nut

- □ 80 Nm
- Use Wrench Ring Nut
 3217- to remove and install

2 - Return Line

- ☐ Secure with spring type clamps
- □ Check for secure fit
- □ Blue
- □ From fuel distributor.
 Refer to ⇒ Fuel Injection and Ignition; Rep. Gr.
 24; Removal and Installation

3 - Connector

- □ Black, 4-pin
- For Sender for Fuel Level Sensor - G- and Transfer Fuel Pump -G6-

4 - Flange

- Note installation position at fuel tank. Refer to ⇒ Fig. ""Installation Position of Fuel Pump Flange"", page 132
- ☐ Marking "V" and "R" on underside for supply and return line

5 - Supply Hose

6 - Return Hose

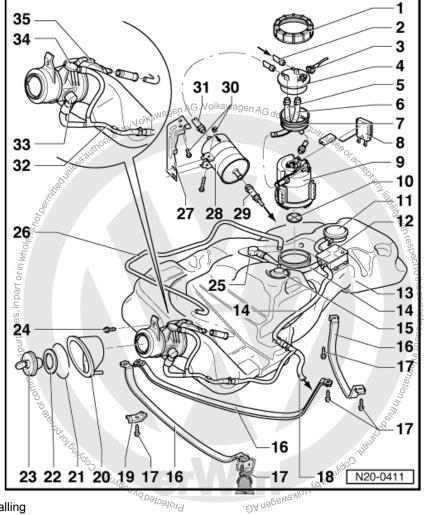
7 - Seal

- Coat with fuel when installing
- □ Replace if damaged

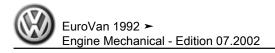
8 - Fuel Level Sensor - G-

9 - Fuel Pump

- ☐ With Fuel Level Sensor G-
- ☐ Removing and installing. Refer to <u>⇒ "4.1 Fuel Pump", page 155</u>



ommercial purposes, in part or in whole, is not not also in part or in whole is not not also in part or in whole is not		Check fuel pump. Refer to <u>⇒ "3.1 Fuel Pump, Checking", page 137</u> Clean strainer if dirty
		Filter Strainer
		Clean strainer if dirty
		Combination Valve
		Vacuum protection valve
		For leak diagnostic test
	12 - E	Expansion Tank
		Filler ventilation
	13 - F	Fuel Tank
		When removing, support using Engine/Gearbox Jack - VAG1383A-
		Removing and installing. Refer to <u>⇒ "4.2 Fuel Tank", page 157</u>
		/ent Line
		For filler ventilation
		Gravity Valve
		Operating ventilation
		Cannot be removed, only replace together with fuel tank Tension Strapken AG. Volkswagen AG. does not only replace to the control of the cont
		ension Strap
		Note varying lengths
	17 - E	Gravity Valve Operating ventilation Cannot be removed, only replace together with fuel tank Fension Strap Note varying lengths Solt 25 Nm To pressure retaining valve at EVAP canister Bracket For tension straps Rubber Top Fensioning Ring Gasket When damaged, only replace together with sealing cap. Cap Solt 4 Nm Gravity Valve For filler ventilation Cannot be removed, only replace together with fuel tank Fort line Fortilize F
	×O.	To proceed the state of the sta
		o pressure retaining valve at EVAP canister
	19 - E	Bracket 2
	20 -	For tension straps
	20 - F	Rubber Top
	21 - 1	Tensioning Ring
	22 - 0	Gasket
		When damaged, only replace together with sealing cap.
	23 - 0	yap Su.
	24 - E	A Nice
	25	4 Nm
50	25 - 0	For filler ventilation
•	ale Ma	Cannot be removed, only replace together with fuel tank
	40	Cannot be removed, only replace together with fuel tank /ent Line Operating ventilation Bracket Operating ventilation For fuel filter Operating ventilation For fuel filter Operating ventilation For fuel filter
	9	Operating ventilation
		Bracket og
		For fuel filter
	28 - F	Fuel Filter
		Installation position: Arrow points in direction of flow
	29 - 8	Supply Line
		Secure with spring type clamps
		Check for secure fit
		Black
		To fuel supply line at fuel distributor. Refer to ⇒ Fuel Injection and Ignition; Rep. Gr. 24; Removal and Installation



- 30 Bolts
 - □ 6 Nm
- 31 Supply Hose
- 32 Vent Line
 - Operating ventilation
- 33 Check-Valve
- 34 2-Way Valve
- Operating

 Check-Valve

 2-Way Valve

 Cannot be removed, only replace together with fuel tank

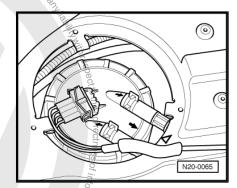
 check-Valve

 When Address agen AG does not guarantee or with fuel tank

 check-Valve
- 35 Expansion Tank

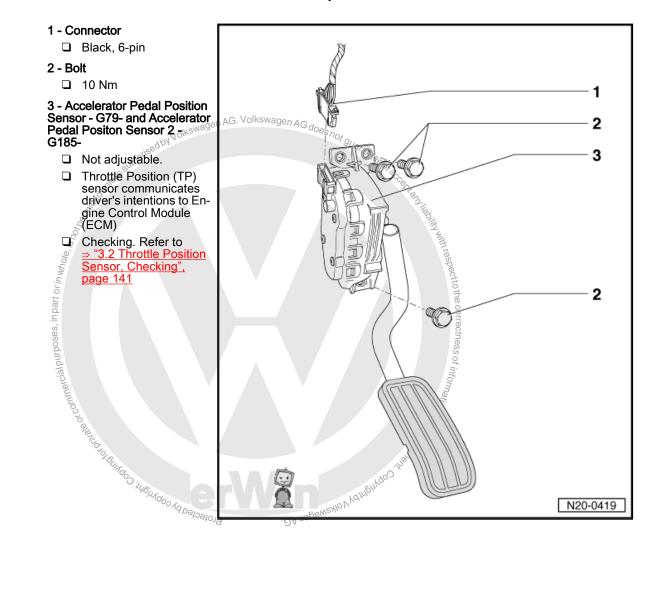
Installation Position of Fuel Pump Flange

Protected bay oppured for in mark or in whole, is the United Bay of the Whole is the United Bay of the Uni Marking on flange must align with marking on fuel tank.



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2.2 Electronic Power Control Components



2.3 EVAP System Components



Note

- ◆ Components marked with * are checked via On Board Diagnostic (OBD). Refer to ⇒ Fuel Injection and Ignition; Rep. Gr. 01; Diagnosis and Testing
- ◆ Components marked with ** are tested via output Diagnostic Test Mode (DTM). Refer to ⇒ Fuel Injection and Ignition; Rep. Gr. 01; Diagnosis and Testing

1 - Intake Manifold

2 - EVAP Canister Purge Regulator Valve 1 - N80- */**

- □ With engine at operating temperature, valve is activated (pulsed) via Motronic Engine Control Module - J220-
- Installation position: Arrow points in direction of flow
- Checking activation.
 Refer to ⇒ Fuel Injection and Ignition; Rep. Gr.
 01; Diagnosis and Testing
- □ Checking function. Refer to
 ⇒ "3.3 EVAP Canister
 Purge Regulator Valve
 N80, Checking",
 page 143

3 - Test Connection

□ Location. Refer to ⇒ Fig. ""Test Connection"", page 136

4 - Gravity Valve

- □ For filler ventilation
- Cannot be removed, only replace together with fuel tank

5 - Return Line

6 - Fuel Rail with Fuel Injectors

7 - Supply Line

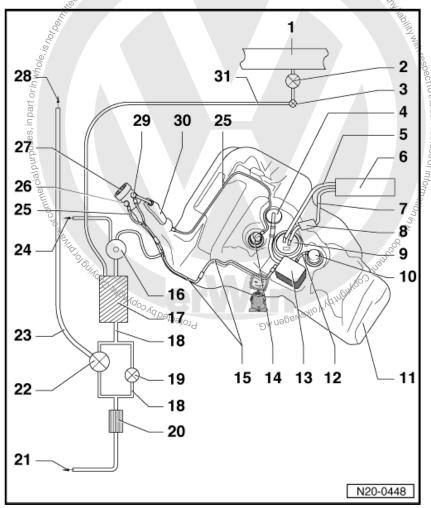
8 - Fuel Filter

☐ Installation position: Arrow points in direction of flow

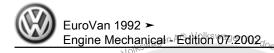
9 - Fuel Pump

10 - Combination Valve

- □ Vacuum protection valve
- □ For leak diagnostic test



11 - Fuel Tank



Test Connection d'by

Test connection -arrow- with green protective cap. Damage leads to leaks and malfunction recognition of EVAP system. Protected by Copyright of the Whole, is not on the Whole is not on the Whole is not only the Whole is not only

