

# Technical Bulletin



Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Passat	2006	BPY (2.0L)	All	All	All
Passat	2007	BPY (2.0L)	All	3C_7E000001 3C_7P000001	3C_7E051587 3C_7P045144
Passat Wagon	2007	BPY (2.0L)	All	3C_7E000001	3C_7E051587

## Condition

**20 08 04** July 17, 2008 **2013354** Supersedes T. B. Group 20 number 07-12 dated Nov. 21, 2007 due to change in bulletin content.

### **MIL ON, DTCs P0441, P0442, P0455 or P0456 Stored in ECM Fault Memory**

MIL ON with one or more of the following DTCs are stored in ECM fault memory:

DTC	Description
P0441	EVAP Emission Control System Incorrect Purge Flow
P0442	Evaporative Emission System Small Leak Detected
P0455	Evaporative Emission System Large Leak Detected
P0456	Evaporative Emission System Very Small Leak Detected

 **Note:**

Vehicle may come from two different manufacturing facilities (designated by "E" or "P" in the VIN). The range varies from each factory.

## Technical Background

The above faults related to the Evaporative Emission (EVAP) system may be due to charcoal contamination from the charcoal canister to the EVAP canister purge regulator valve -N80-.

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## Production Solution

A redesigned charcoal canister has been installed in production with improved charcoal filtering as of:

- 3C\_7P045145 (sedan)
- 3C\_7E051588 (sedan and wagon)

## Service

If any of the DTCs listed above are stored in the ECM fault memory:

- Follow Guided Fault Finding to determine root cause of DTC(s).
- **Perform all related technical bulletins that apply.**
- Perform emission system leak test as described in the Repair Manual Group 20, Fuel Supply, Evaporative Emission (EVAP) system, checking for leaks in ElsaWeb.

If during diagnosis a leak is identified at the -N80- Purge Valve due to charcoal contamination from the canister, follow instruction below.



- Raise and support vehicle.
- Remove right rear wheel housing liner, see Repair Manual Body Exterior Group 66 – Exterior equipment, “Rear wheel housing liner, removing and installing” in ElsaWeb.
- Disconnect T-3 electrical connector at Leak Detection Pump (LDP).
- Disconnect EVAP purge line, EVAP vacuum Line and EVAP vent line from EVAP canister.



Remove EVAP canister.



**Tip:**

Remove canister assembly from inner fender by pulling assembly downwards and out after fastener removal.



**Note:**

Observe EVAP canister part number, **DO NOT** replace canister if part number has a "C" index unless a technical issue is identified.

If vehicle is equipped with a "C" index:

- Continue to "Cleaning EVAP System".

If vehicle IS NOT equipped with a "C" indexed EVAP canister:

- Continue to Separate LDP from Canister.



**SEPARATE LDP FROM CANISTER:**

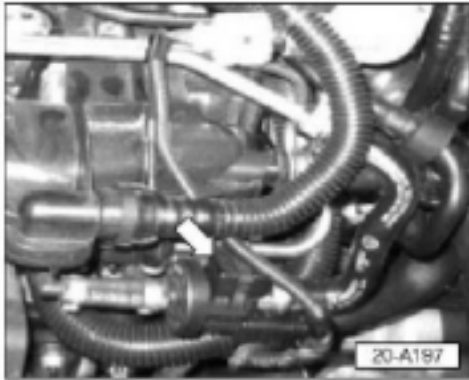
- Remove the LDP pump fasteners from the back of the LDP pump.
- Remove canister line hose clamp.
- Remove LDP filter fastener.



**Tip:**

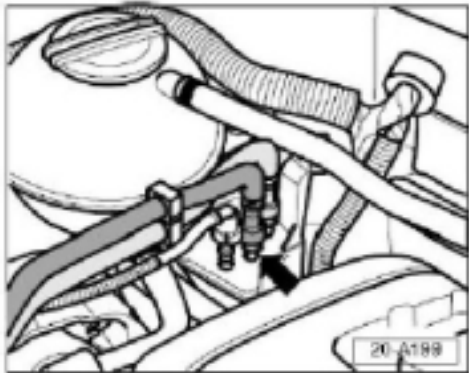
Spring type clamp pliers VAS 5024A are recommended for removing and installing spring clamps. Always replace tensioning clamps with spring type clamps.

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## CLEANING EVAP SYSTEM

- Remove EVAP canister purge regulator valve - N80-, see Repair Manual Group 20 Fuel supply, gas operation, EVAP canister system in ElsaWeb.

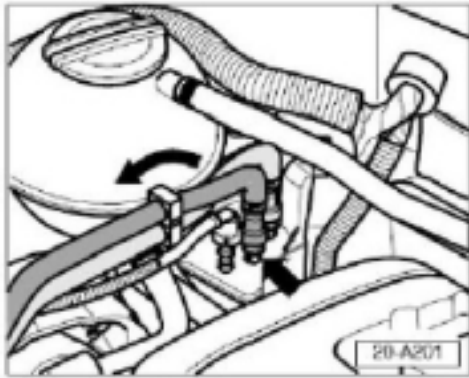


- Disconnect EVAP line at bulkhead connection.



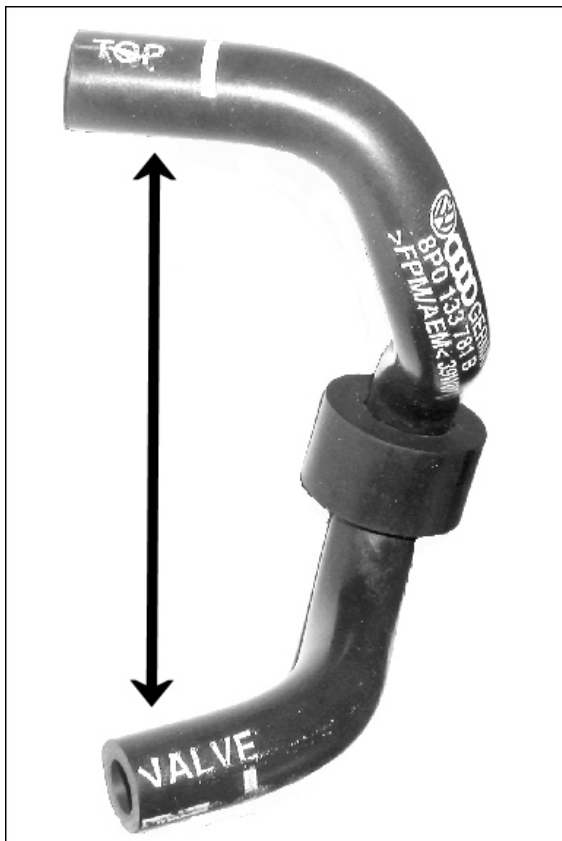
- Using a regulated air supply (no greater than 90PSI), blow air through the EVAP purge line to remove any potential particulates or contaminants in line.

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- Repeat process in the other direction at EVAP vent line after bulkhead.

## Assembly



### Note:

Vent hose Part No. 8P0133781B is clearly marked to ensure correct installation.

Slide hose onto pipe and valve, at a minimal, up to painted white line on hose before clamping.

Ensure new vent hose is not bent, twisted or chaffing other components.

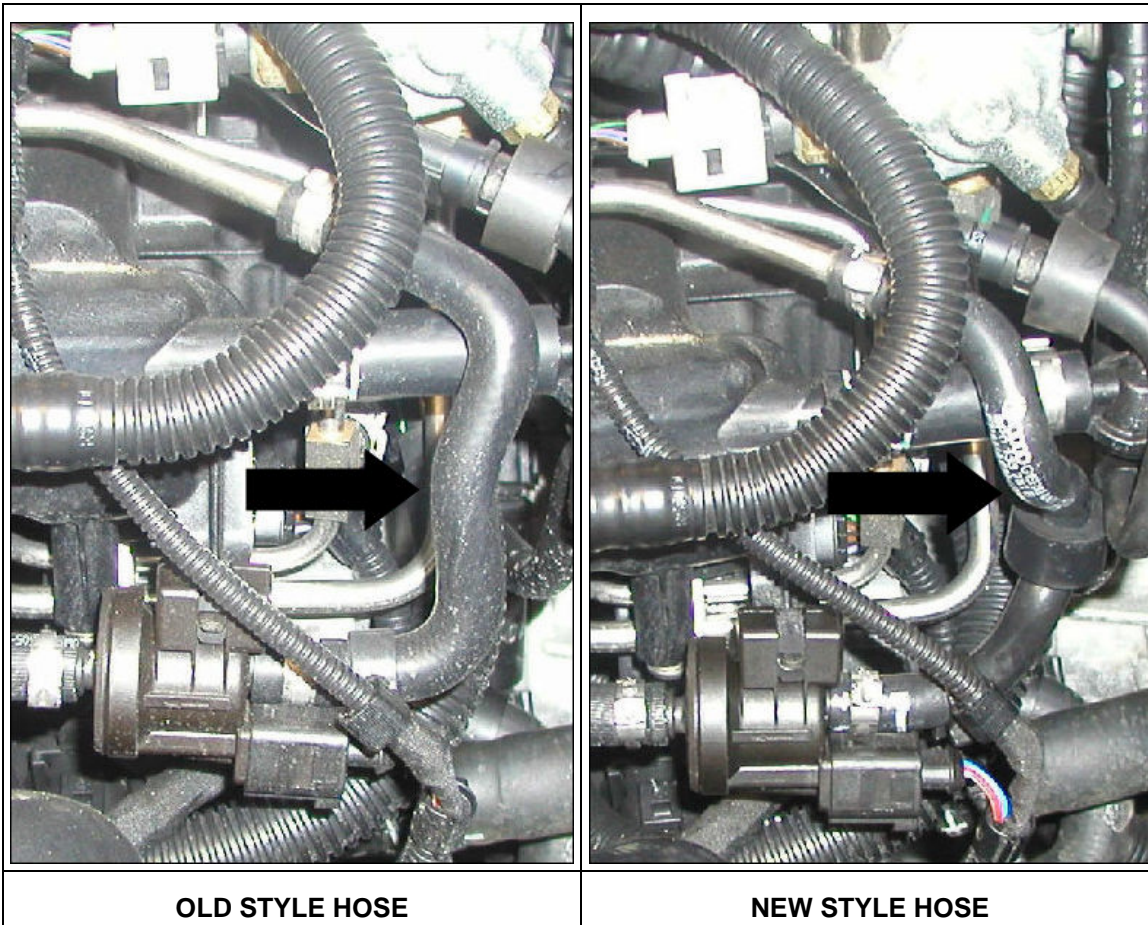
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## Tip:

Spring type clamp pliers VAS 5024A are recommended for removing and installing spring clamps. Always replace tensioning clamps with spring type clamps.

- Install new EVAP canister purge regulator valve -N80- Part No. 06E 906 517A and inspect and ensure installation of new -N80- valve vent hose Part No. 8P0 133 781B. Secure new vent valve hose with spring clamps Part No. N10199201. See Repair Manual Group 20 Fuel supply, gas operation, EVAP canister system in ElsaWeb.



- Install LDP pump on new EVAP canister, Part No. 3C0 201 801 C in reverse order of removal.
- Install EVAP canister in reverse order of removal. Tighten fasteners to 10 Nm (89 in. lbs.).
- Install right rear wheel housing liner, see Repair Manual Body Exterior Group 66 – Exterior equipment, “Rear wheel housing liner, removing and installing” in ElsaWeb.
- Clear codes and reset readiness code.

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## Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup>					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Passat	2006	2.0L (BPY)	All	All	All
Passat	2007	2.0L (BPY)	All	3C_7E000001 3C_7P000001	3C_7E051587 3C_7P045144
Passat Wagon	2007	2.0L (BPY)	All	3C_7E000001	3C_7E051587
Claim Type:	Use applicable Claim Type <sup>1)</sup>				
<b>SAGA Coding</b>					
Service Number:	Damage Code	Damage Location (Depends on Service No.)		Parts Manufacturer (removed part)	
2025	0010	Use applicable when indicated in ElsaWeb (L/R)		___ <sup>2)</sup>	
Labor Operation <sup>3)</sup> : EVAP Canister 2.0L (BPY) only		20251900 = 70 TU			
Labor Operation <sup>3)</sup> : Purge Valve and Hose 2.0L (BPY) only		20241920 = 40 TU			
<b>Diagnostic Time <sup>4)</sup></b>					
GFF Time expenditure	01500000 = Actual GFF Expenditure			YES	
Road Test	01210002 & 01210004			NO	
Technical Diagnosis	0132xxxx = 00 TU max.			NO	
Claim Comment: Input "As per Technical Bulletin 2013354" in comment section of Warranty Claim.					
<sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only <sup>2)</sup> Code per warranty vendor code policy. <sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates. <sup>4)</sup> Documentation required per Warranty Policy & Procedures Manual.					

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## Required Parts and Tools

Part Description	Part No:	Quantity
Clamp, Hose Spring	N 101 992 01	3
Evaporative Emission Canister	3C0 201 801 C	1
EVAP Canister Purge Regulator Valve -N80-	06E 906 517 A	1
Hose, Vent	8P0 133 781 B	1

Tool Description	Tool No:
VAS Diagnostic Tool	VAS 5051/5052
Emission Leak Tester	KLI 9210
Test Hose	KLI 9210/55-1
Spring Type Clamp Pliers	VAS 5024A

## Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.