



SERVICE BULLETIN

Classification:	Reference:	Date:
EC09-001d	NTB09-020d	November 18, 2011

EVAP LEAK DTC DIAGNOSIS

This bulletin has been amended. **APPLIED VEHICLES** and the **REPAIR FLOW CHART** have been amended. Please discard all previous copies.

APPLIED VEHICLES: 2007 - 2012 Nissan vehicles

SERVICE INFORMATION

If one or more DTCs listed below related to EVAP system leaks is found stored in Self Diagnosis, use the **REPAIR FLOW CHART** starting on page 2. Use the EVAP system diagram for reference on page 5.

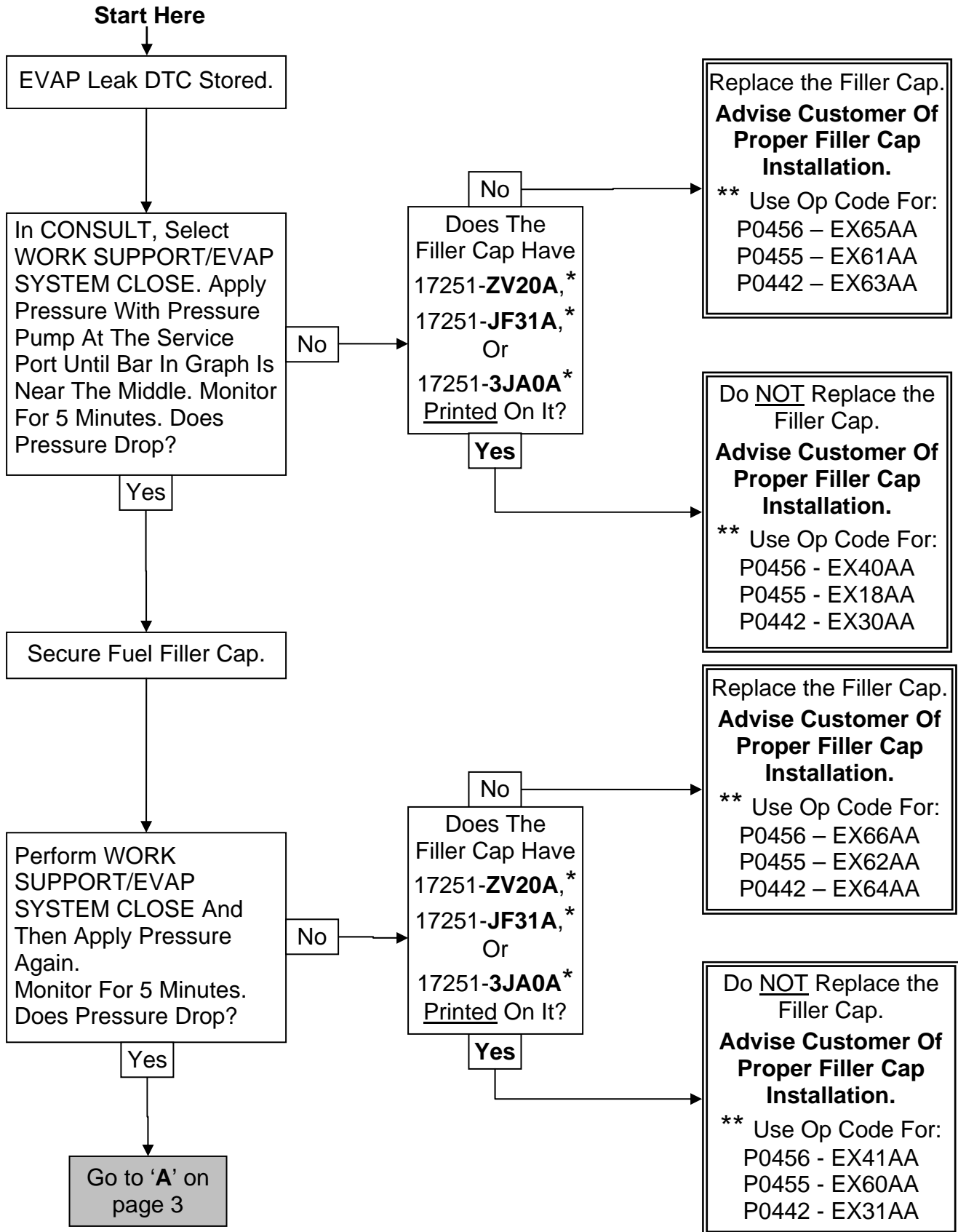
- DTCs: P0442, P0455, and P0456.
- This Service Procedure can be used in addition to the procedure(s) outlined in the applicable Service Manual, and other bulletins applicable to specific EVAP leak DTCs when necessary.
- If a "Smoke" (Leak Detection) Machine is available and preferred, the **REPAIR FLOW CHART** can still be used. This tool would be used in place of watching for pressure drop and spraying with soapy water. Refer to the Machine's Operator's Manual for proper use.

CAUTION: Use Essential Tool J-42909 (sent out to dealers September 1997) or equivalent to pressurize the EVAP system. Do not pressurize over the amount specified in the applicable Service Manual. Do NOT use shop air pressure.

IMPORTANT NOTE: If an EVAP system DTC(s) not related to EVAP leaks is/are found stored in Self Diagnosis, this bulletin does not apply. Refer to ASIST and the appropriate Service Manual for diagnostic procedure(s) as needed.

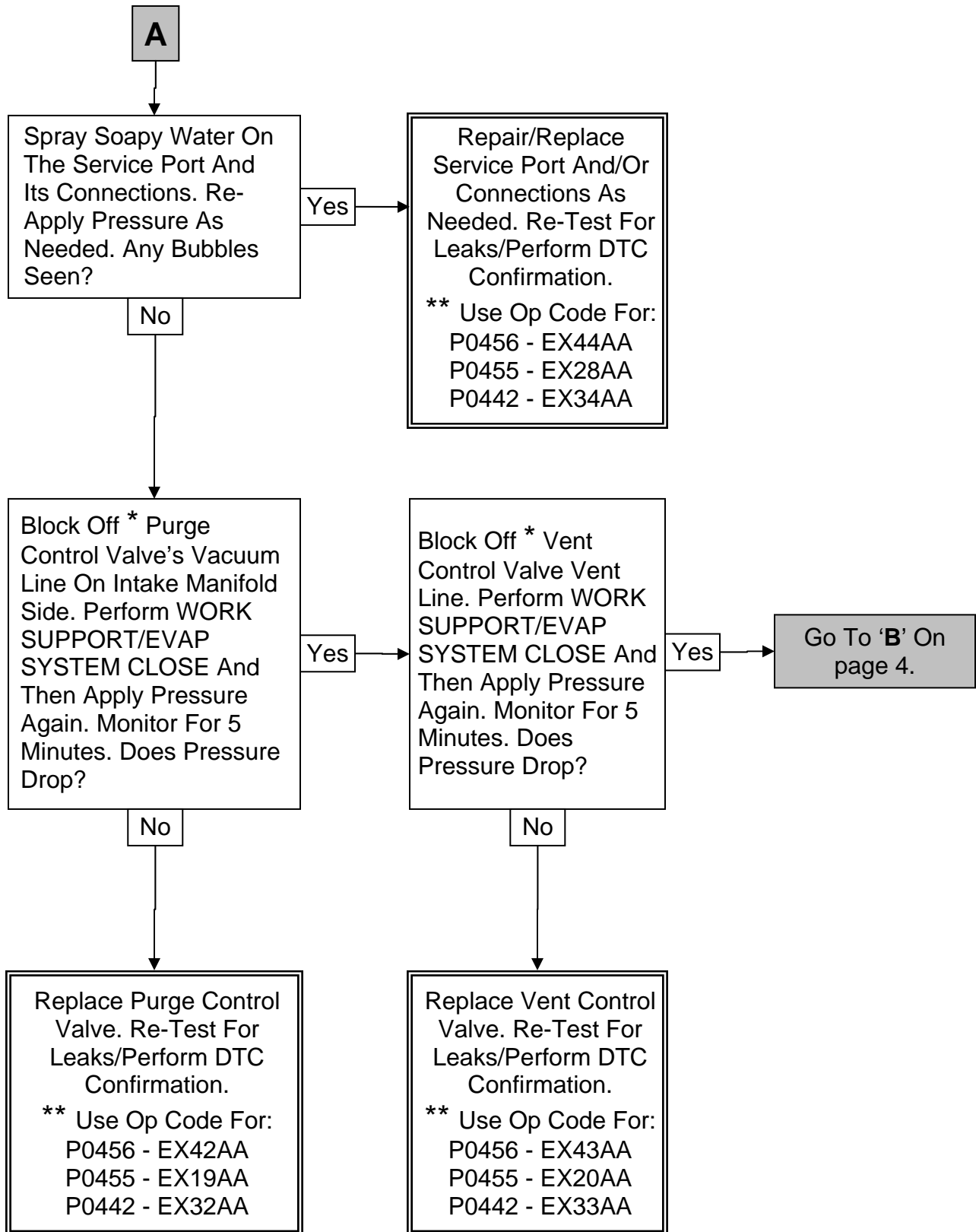
Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

REPAIR FLOW CHART



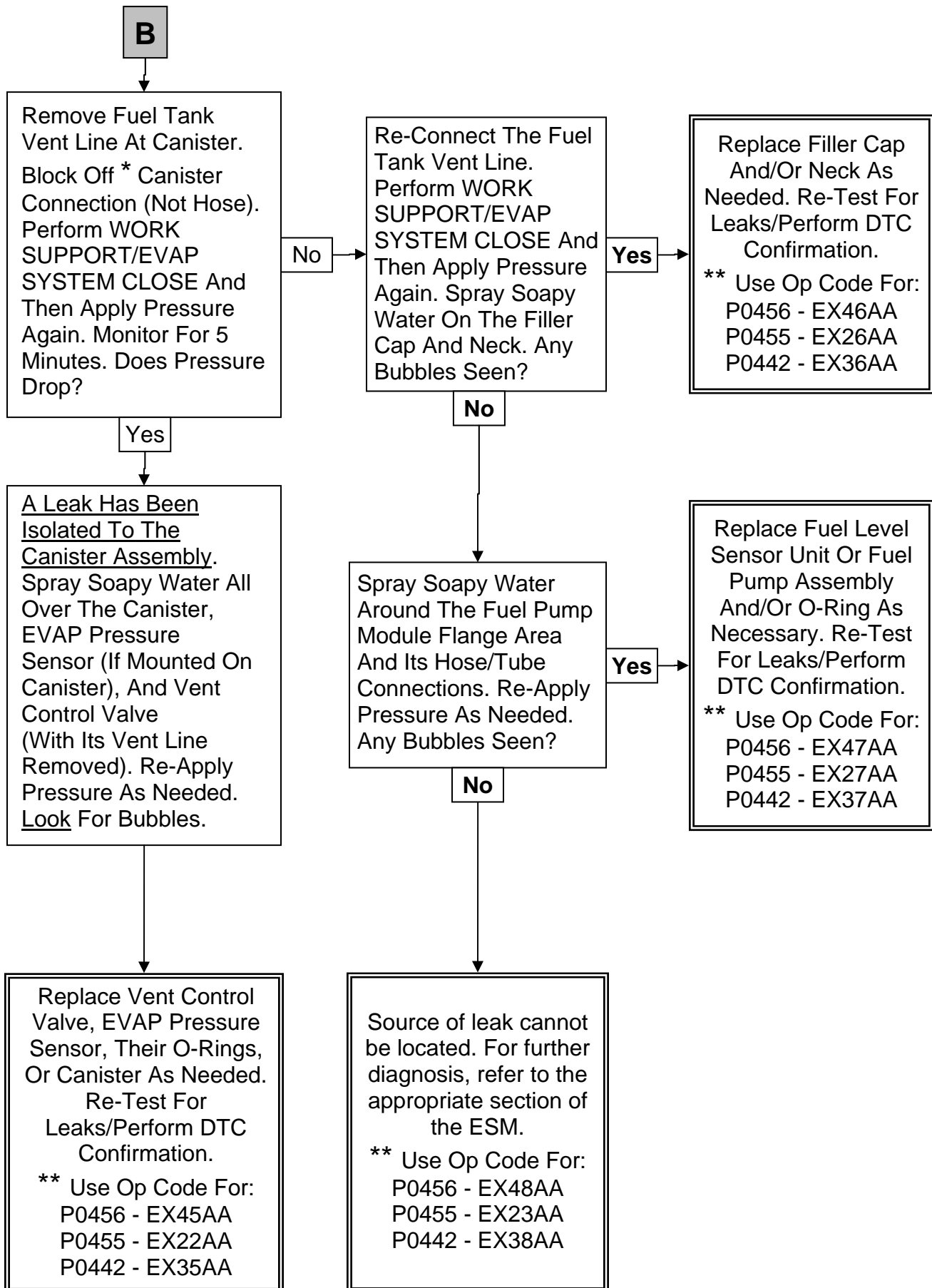
* These are not serviceable part numbers. Do not use when ordering a filler cap.

** Go to **CLAIMS INFORMATION** for additional claims coding.



* Pinch off or plug line as appropriate.

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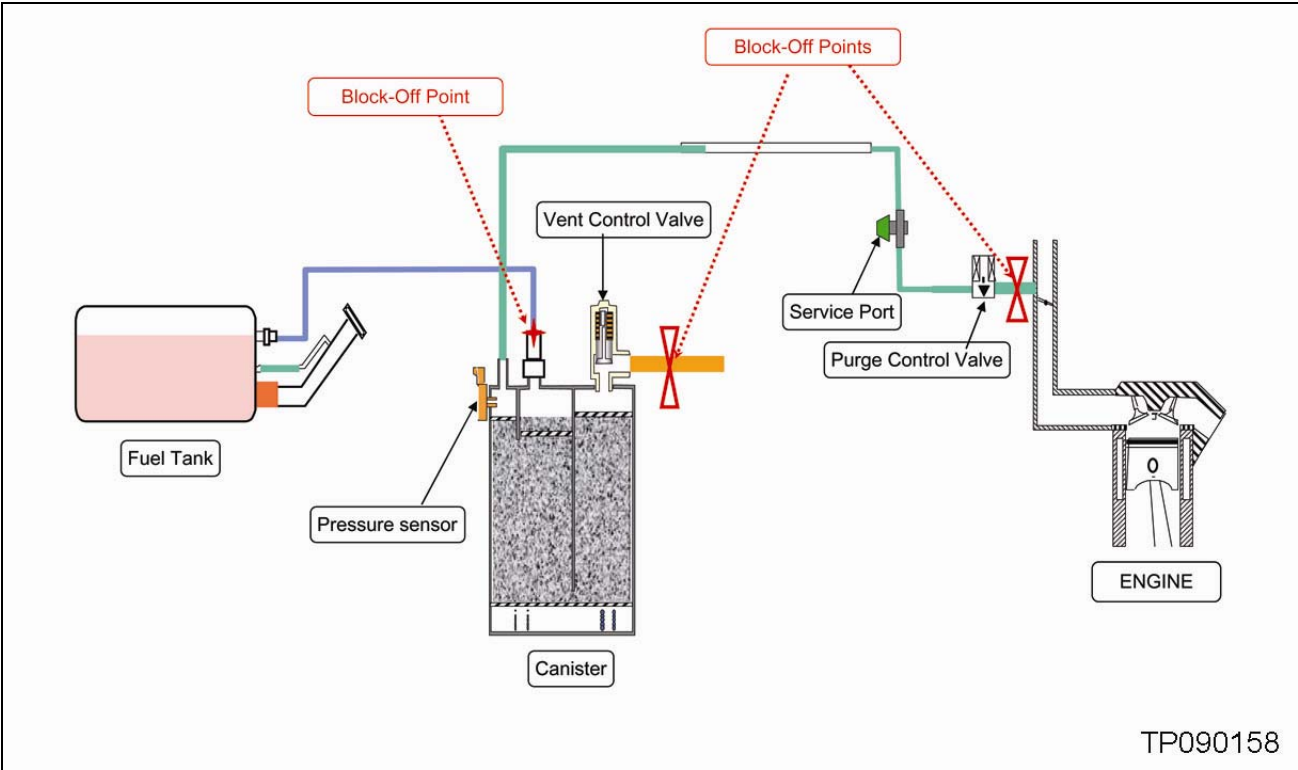


Diagram of typical EVAP system

TP090158

CLAIMS INFORMATION

The below listed operation codes are provided for **DIAGNOSIS ONLY**.

DTC	OP CODE	DESCRIPTION	PFP	SYM	DIAG	FRT	
P0456	EX40AA	No EVAP leak found,filler cap not replaced	(1)	(3)	(3)	0.4	
	EX65AA	No EVAP leak found, replaced filler cap	(1)	(3)	(3)	0.4	
	EX41AA	Leak detected fuel filler cap found loose,filler cap not replaced	(1)	(3)	(3)	0.5	
	EX66AA	Leak detected fuel filler cap found loose, replaced filler cap	(1)	(3)	(3)	0.5	
	EX42AA	Diag Purge Control Valve	(2) (4)	(3)	(3)	0.7	
	EX43AA	Diag Vent Control Valve	(2) (4)	(3)	(3)	0.8	
	EX44AA	Diag EVAP service port	(2) (4)	(3)	(3)	0.6	
	EX45AA	Diag canister or around part	(2) (4)	(3)	(3)	1.0	
	EX46AA	Diag failed fuel filler cap (cap <u>has been replaced</u>)	(2) (4)	(3)	(3)	1.0	
	EX47AA	Diag fuel pump fitting parts	(2) (4)	(3)	(3)	1.1	
	EX48AA **	All checks performed - Source of leak not found	(2) (4)	(3)	(3)	1.1	
P0455	EX18AA	No EVAP leak found, filler cap not replaced	(1)	(3)	(3)	0.4	
	EX61AA	No EVAP leak found, replaced filler cap	(1)	(3)	(3)	0.4	
	EX60AA	Leak detected fuel filler cap found loose,filler cap not replaced	(1)	(3)	(3)	0.5	
	EX62AA	Leak detected fuel filler cap found loose, replaced filler cap	(1)	(3)	(3)	0.5	
	EX19AA	Diag Purge Control Valve	(2) (4)	(3)	(3)	0.7	
	EX20AA	Diag Vent Control Valve	(2) (4)	(3)	(3)	0.8	
	EX22AA	Diag canister or around part	(2) (4)	(3)	(3)	1.0	
		EX23AA **	All checks performed - Source of leak not found	(2) (4)	(3)	(3)	1.1
		EX26AA	Diag failed fuel filler cap (cap <u>has been replaced</u>)	(2) (4)	(3)	(3)	1.0
		EX27AA	Diag fuel pump fitting parts	(2) (4)	(3)	(3)	1.1
	EX28AA	Diag EVAP service port	(2) (4)	(3)	(3)	0.6	

- 1) Reference the Parts Information Table and use the applicable “fuel filler cap “Part Number as the Primary Failed Part.
- 2) Refer to the electronic parts catalog (FAST or equivalent) and use the appropriate replaced part number as the primary failed part.
- 3) Use the Symptom and Diagnostic codes that apply to the repair actually performed.
- 4) Use the Warranty Flat Rate manual for operation codes for the actual part replacement.

** This operation code should only be used after all of the checks have been performed and the leak can still not be located. This operation code should not be included with any other operation code listed in this bulletin.

The below listed operation codes are provided for **DIAGNOSIS ONLY**.

DTC	OP CODE	DESCRIPTION	PFP	SYM	DIAG	FRT
P0442	EX30AA	No EVAP leak found,filler cap not replaced	(1)	(3)	(3)	0.4
	EX63AA	No EVAP leak found, replaced filler cap	(1)	(3)	(3)	0.4
	EX31AA	Leak detected fuel filler cap found loose,filler cap not replaced	(1)	(3)	(3)	0.5
	EX64AA	Leak detected fuel filler cap found loose, replaced filler cap	(1)	(3)	(3)	0.5
	EX32AA	Diag Purge Control Valve	(2) (4)	(3)	(3)	0.7
	EX33AA	Diag Vent Control Valve	(2) (4)	(3)	(3)	0.8
	EX34AA	Diag EVAP service port	(2) (4)	(3)	(3)	0.6
	EX35AA	Diag canister or around part	(2) (4)	(3)	(3)	1.0
	EX36AA	Diag failed fuel filler cap (cap <u>has been replaced</u>)	(2) (4)	(3)	(3)	1.0
	EX37AA	Diag fuel pump fitting parts	(2) (4)	(3)	(3)	1.1
	EX38AA **	All checks performed - Source of leak not found	(2) (4)	(3)	(3)	1.1

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