

- ATTENTION:**
- GENERAL MANAGER
 - PARTS MANAGER
 - CLAIMS PERSONNEL
 - SERVICE MANAGER

IMPORTANT - All Service Personnel Should Read and Initial in the boxes provided, right.

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QUALITY DRIVEN® SERVICE

PRODUCT CAMPAIGN BULLETIN

APPLICABILITY: 2017-18MY Impreza
2018MY Crosstrek

NUMBER: WUP-01R

NHTSA ID: 19V-744

SUBJECT: PCV Valve- Design Change

DATE: 10/24/19

REVISED: 10/31/19

INTRODUCTION:

Subaru of America, Inc. (Subaru) is initiating a new safety recall for certain 2017-2018 model year Impreza vehicles and certain 2018 model year Crosstrek vehicles in which the Positive Crankcase Ventilation (PCV) valve may be defective.

AFFECTED VEHICLES:

Model Year(s)	Carline	Production Date Range
2017-2019	Impreza	July 28, 2016 – March 8, 2018
2018	Crosstrek	May 9, 2017 – April 2, 2018

Not all vehicles in the production range listed above are affected by this recall. Coverage must be confirmed by using the Vehicle Coverage Inquiry function on subarunet.com prior to repair.

The status of this recall will display as “Open – Remedy Not Yet Available” until sufficient parts supply is available.

REASON FOR THIS RECALL:

The PCV valve may separate and allow engine oil to enter the combustion chamber, resulting in a visible change in appearance and/or the amount of tailpipe exhaust. If driving under this condition continues, separated components from the PCV valve may enter the engine.

SAFETY RISK:

If separated components from the PCV valve enter the engine, the vehicle may experience a loss of motive power, increasing the risk of a crash.

CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.

Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.

Subaru of America, Inc. is ISO 14001 Compliant

ISO 14001 is the international standard for excellence in Environmental Management Systems. Please recycle or dispose of automotive products in a manner that is friendly to our environment and in accordance with all local, state and federal laws and regulations.

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DESCRIPTION OF THE REMEDY:

Vehicles affected by this recall will require an inspection and potential replacement of the PCV valve and hose.

OWNER NOTIFICATION:

Subaru will notify affected vehicle owners by first class mail within 60 days. Owners with a valid email address on file will also be notified by email. Retailers will be advised when the notification is scheduled.

RETAILER RESPONSIBILITY:

Please be advised that it is a violation of Federal law for a dealer to deliver a new motor vehicle covered by a recall under a sale or lease until the defect is remedied. Therefore, any Authorized Subaru Retailer failing to perform the applicable service procedures to correct all affected vehicles in their inventory prior to the vehicle being placed in service may be subject to civil penalties of up to \$21,000 per violation (i.e., for each vehicle), as provided in 49 CFR §578.6 and will also be in breach of the Subaru Dealer Agreement.

Any vehicles listed in any recall/campaign that are in retailer stock must be:

- Immediately identified.
- Tagged or otherwise marked to prevent their delivery or use prior to repair.
- Repaired in accordance with the repair procedures outlined in the Product Campaign Bulletin

Retailers are to promptly follow the applicable service procedures, to correct all affected vehicles in their inventory (used, demo & SSLP). Additionally, whenever a vehicle subject to this recall is taken into retailer inventory necessary steps should be taken to ensure the recall correction has been made before selling or releasing the vehicle.

PART INFORMATION:

REMINDER: Always order the most up-to-date replacement parts based on the specific VIN being repaired.

A new parts kit, **p.n. X1181AA000** consisting of a new steel PCV valve and hose will be available soon. The NEW -style PCV Valve is made of steel and has a **BLUE** ring above the hex portion as shown. The old -style is made of aluminum and has a **PINK** ring above the hex portion.

A photo of the new hose is also shown.



NOTE: The new **p.n. X1181AA000** PCV valve kit is expected to be available in early November.

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SERVICE PROCEDURE / INFORMATION:

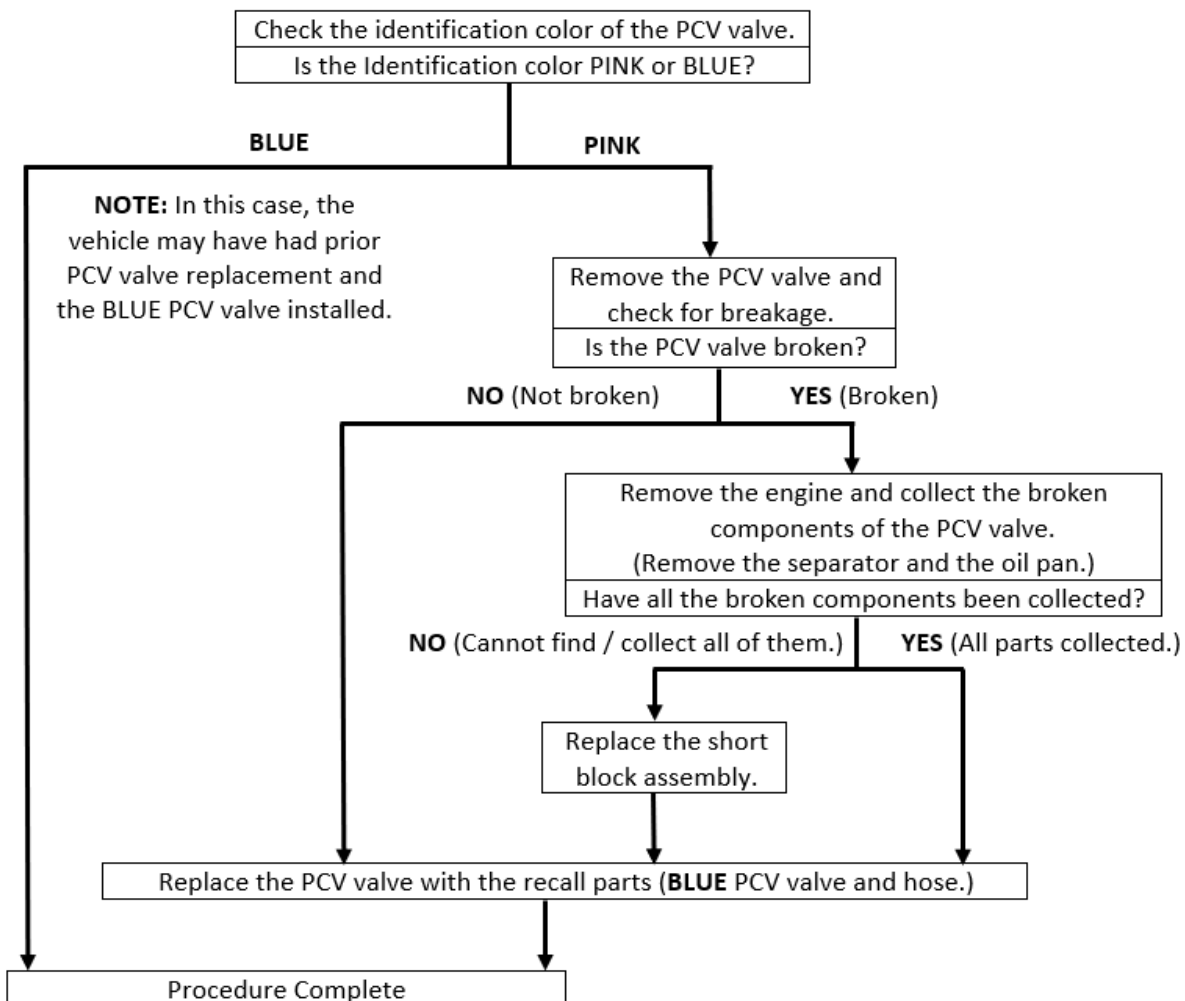
Due to a production error, the Positive Crankcase Ventilation (PCV) valve may fail causing its internal components to fall into the crankcase. As a result, the engine may smoke excessively from the exhaust. The repair involves removal of the PCV valve, inspection for failure and replacement. If the valve has failed (come apart), further action is necessary to locate and remove the failed PCV valve components.

REMINDER: Customer satisfaction and retention starts with performing quality repairs.

The service procedures for PCV valve and hose replacement remain unchanged. Always refer to the applicable Service Manual and review the full requirements of the repair being performed. The Service Manual procedures contain information critical to performing an effective repair the first time and every time. This includes but is not limited to: important SAFETY precautions, proper inspection criteria, necessary special tools, required processes and related one-time-use parts needed for a complete and lasting repair.

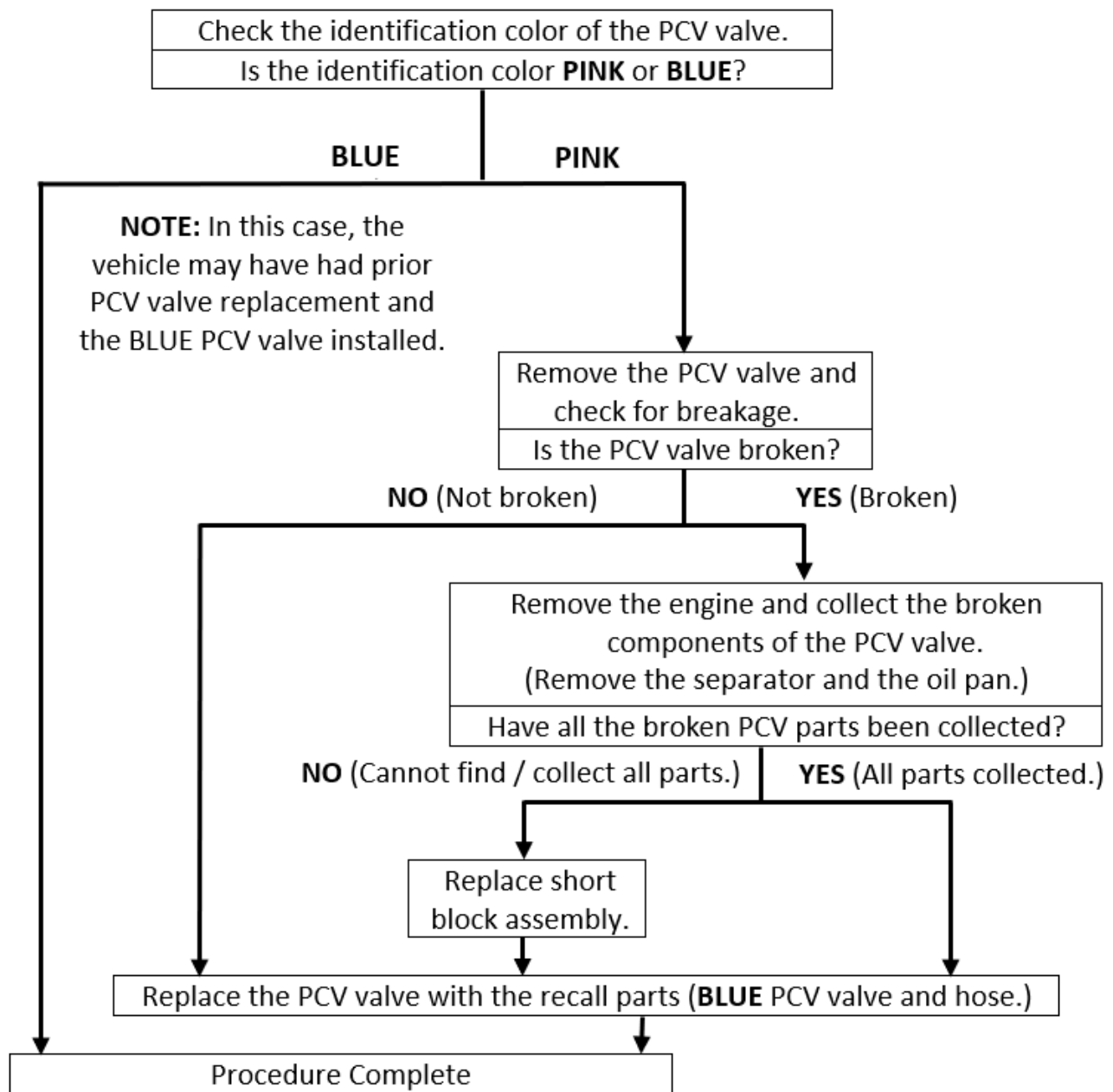
IMPORTANT: The two flow charts below provide an overview for the service procedures. The first is for Crosstrek and the second for Impreza. Detailed service procedures to be followed are also provided and must reviewed completely before proceeding.

FLOW CHART FOR CROSTREK:



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FLOW CHART FOR IMPREZA:

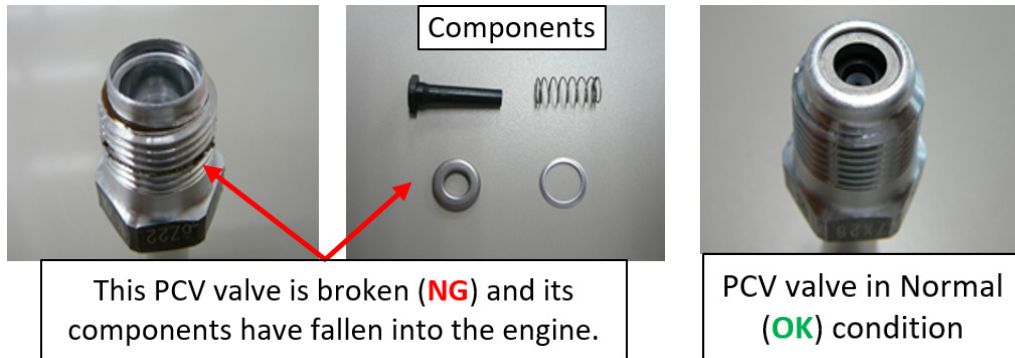


STEP 1: Locate the PCV valve and check the identification color. If for some reason the color cannot be identified, remove the PCV valve and confirm the condition (failed / come apart). If the (unidentifiable) PCV valve is not broken, replace it with a new (**BLUE**) valve and PCV hose. If the valve is broken, proceed as if it were a **PINK** valve using the flow chart(s) above as a guide.

- If the valve has a **PINK** identification ring, proceed to **STEP 2**.
- If the valve has a **BLUE** identification ring, **STOP**. The procedure is complete. Proceed to the **Claim Reimbursement and Entry Procedures** section of this bulletin.

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Step 2: Remove the **PINK** PCV valve and inspect it for breakage. Use the photos below for reference.

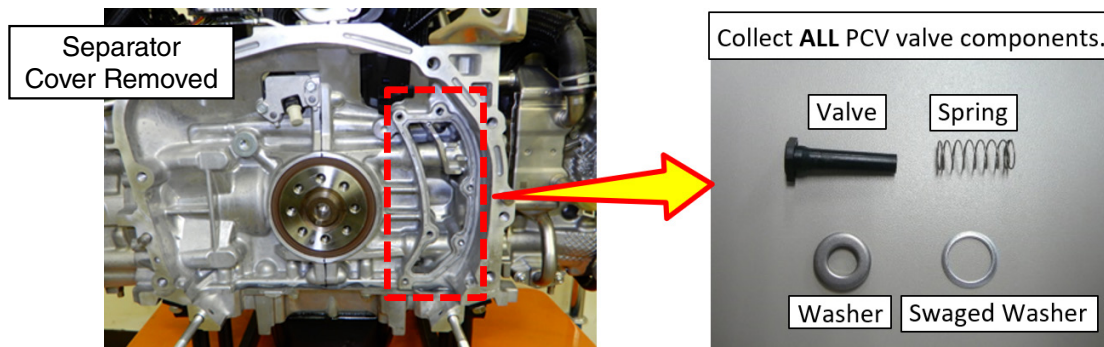


This PCV valve is broken (**NG**) and its components have fallen into the engine.

PCV valve in Normal (**OK**) condition

- If the PCV valve is **BROKEN (NG)**, proceed to **Step 3** and remove the engine following the procedure in the applicable Service Manual.
- If the PCV valve is **OK (NOT broken)**, replace it with the new **BLUE** valve and hose from the kit to complete the procedure following the applicable Service Manual.

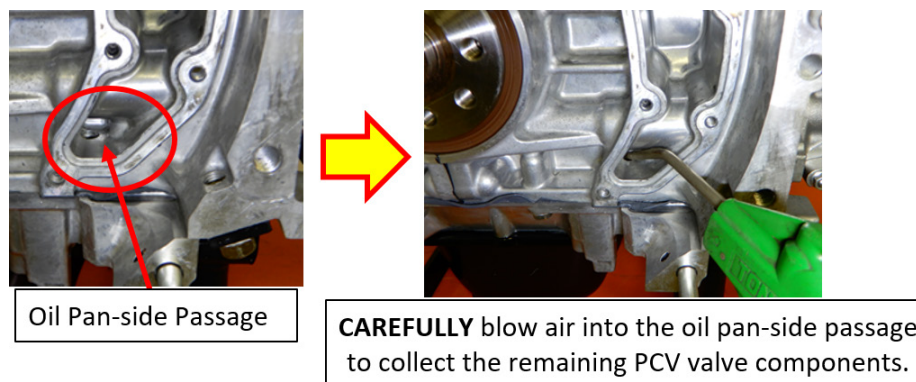
Step 3: (If necessary), following the applicable Service Manual procedures, remove the engine to collect the PCV valve component parts that may have fallen into the engine. Remove the oil separator cover and collect the PCV valve components (4 small parts) as shown in the photos below. If all the PCV valve components cannot be collected after removing the oil separator cover, proceed with removing the engine oil pan to collect any remaining components.



TIP: If any PCV valve components remain in the oil pan-side passage, **CAREFULLY** apply compressed air to the oil pan-side passage as shown below.

IMPORTANT REMINDERS:

- Always wear safety glasses.
- Never reuse the oil separator cover as it is a one-time use item. Replace it with p.n. **11831AA260**.



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Step 4:

- If all the broken PCV valve components cannot be found and collected, replace the short block assembly along with a new PCV valve and hose (kit) following the applicable Service Manual procedures.
- If all the broken PCV valve components are found and collected, install a **new** separator cover, PCV valve and hose (kit) then reassemble the vehicle following the applicable Service Manual procedures to complete the procedure.

CALIFORNIA “VEHICLE EMISSION RECALL - PROOF OF CORRECTION” CERTIFICATE

The California Air Resources Board and the Department of Motor Vehicles Registration/Recall Program requires that all emission related Recall/Campaign or Service Program repairs be completed before a vehicle registration is renewed. Please provide owners of vehicles registered in the state of California a completed “Vehicle Emission Recall - Proof of Correction” certificate. Vehicle owners should be advised to retain this certificate because the California Department of Motor Vehicles may require they provide proof this service program repair has been completed.

Additional certificates are available through normal parts ordering channels using part number MSA6P1301. Quantity 1 = 1 booklet of 50 certificates.

SERVICE PROGRAM IDENTIFICATION LABEL:

Type or print the necessary information on a Campaign Identification Label. The completed label should be attached to the vehicle’s upper radiator support. Additional labels are available through normal parts ordering channels. The part number is **MSA6P1302**, which comes as one sheet of 20 labels.

Part Number	Applicability	Description	Order Quantity
MSA6P1302	All Models	Campaign Completion Labels (contains one sheet of 20 labels)	1

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CLAIM REIMBURSEMENT AND ENTRY PROCEDURES:

Credit to perform this recall will be based on properly completed repair order information. Retailers may submit claims through Subarunet.com.

Labor Description	Labor Operation #	Labor Time	Fail Code	Claim Type
PCV VALVE INSPECTION ONLY	A145-630	0.2	WUP-01	RC
PCV VALVE INSPECTION, PCV VALVE AND HOSE REPLACEMENT	A145-631	0.3		
PCV VALVE INSPECTION, ENGINE R&R, SEPARATOR COVER REMOVAL TO COLLECT PCV PARTS, REPLACE PCV VALVE & HOSE	A145-632	5.7		
PCV VALVE INSPECTION, ENGINE R&R, SEPARATOR COVER & OIL PAN REMOVAL TO COLLECT PCV PARTS, REPLACE PCV VALVE & HOSE	A145-633	6.1		
PCV VALVE INSPECTION, ENGINE R&R, SEPARATOR COVER & OIL PAN REMOVAL, COLLECT PCV PARTS, REPLACE SHORT BLOCK, PCV VALVE & HOSE	A145-634	13.5		

IMPORTANT REMINDERS:

- SOA strongly discourages the printing and/or local storage of service information as previously released information and electronic publications may be updated at any time.
- Always check for any open recalls or campaigns anytime a vehicle is in for servicing.
- Always refer to STIS for the latest service information before performing any repairs.

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OWNER NOTIFICATION LETTER



SUBARU

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Notice to Lessors: *Under Federal law the lessor of a vehicle who receives this letter must provide a copy of it to the vehicle lessee(s) within 10 business days from receipt. The lessor must also keep a record of the lessee(s) to whom this letter is sent, the date sent, and the applicable vehicle identification number (VIN). (For the purposes of this section, a lessor means a person or entity that in the last twelve months prior to the date of this notification has been the owner, as referenced on the vehicle's title, of any five or more leased vehicles. A leased vehicle is a vehicle leased to another person for a term of at least four months.)*

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