

SERVICE BULLETIN

SUBARU CORPORATION
Customer Quality Dept.
Japan.

Issued: May 21, 2021
Rev1 Jun. 29, 2021
Rev2 Dec 27, 2021

Subject:	Repair Procedure Correction/Addition: Countermeasures against Knocking and/or DTC P030x on FB2.0L DI engines.
Applicable Section in Service Manual:	Engine > FUEL INJECTION (FUEL SYSTEMS) > Fuel Injector
Applicable Parts name in Parts System:	INTAKE MANIFOLD > INJECTOR SUB ASSEMBLY
Foreword:	<p>This service bulletin is to inform you of new countermeasure part for FB2.0L DI engine Knocking and/or DTC P030x.</p> <p>Rev1: Added affected parts (Flow rate MARK7, 8,9) numbers.</p> <p>Rev2: Added 22MY BRZ as affected model.</p>

1. Applicable Vehicle

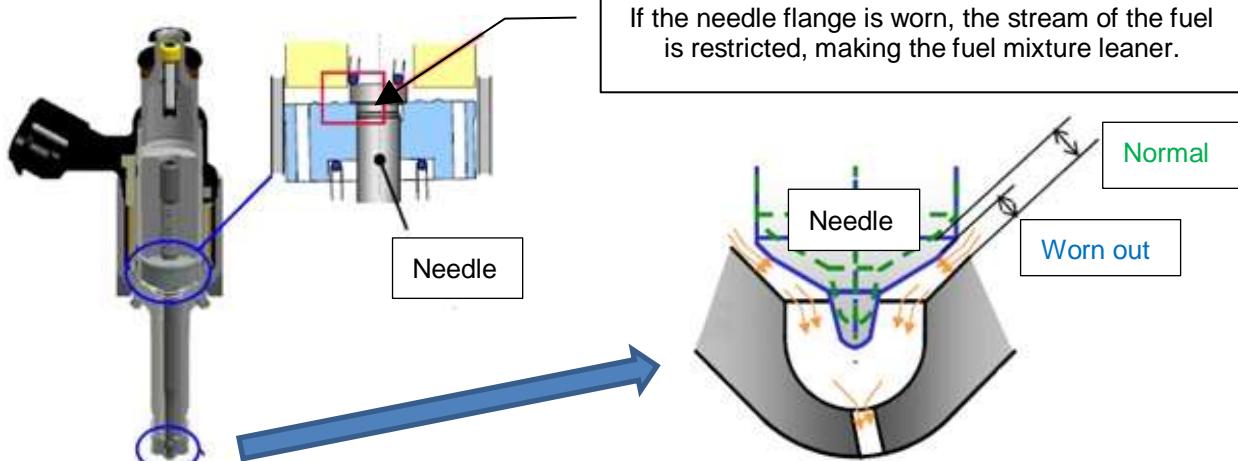
Applicable Vehicle	Destination, Specification	MY
IMPREZA	North America with 2.0L DI	17 - 21
	Europe, General with 2.0L excluding HEV	17 - 21
CROSSTREK	North America with 2.0L DI including PHEV	18 - 21
XV	Europe, General with 2.0L excluding HEV	18 - 21
FORESTER	Europe, General with 2.0L excluding HEV	19 - 21
BRZ	North America Europe General with 2.4L DI	22

This information is applicable Japan, SIA, Malaysia and Thailand production vehicles.

2. Details of Symptom and Improvement

Symptom	Details of Symptom and Improvement
Customer experiences Knocking or vibration on DI engines, and DTC P030X (X can be any numerical number) is detected.	<p>Details of Symptom, Cause: Internal wear of the needle flange in the Injector makes the fuel mixture leaner, resulting in vibration and/or misfire of the engine. DTC P219A - D <AIR-FUEL RATIO IMBALANCE> can also be set.</p> <p>Details of countermeasure procedure: Change and optimize internal part to improve durability against wear. If it occurs, replace the Injector with new one on the cylinder of which misfire is being detected. (There is no need to replace all Injectors.)</p>

2-1 Detail



3. Production Change Information (Starting VIN)

Applicable Vehicle	Destination, Specification			Starting VIN
IMPREZA Sedan	North America			TBD
	Europe, General	LHD	JF1GK7LL5MG011666	
IMPREZA 5D XV		RHD	JF1GK7KL5MG014581	
	LHD	JF1GT7LL5MG138406		
	CROSSTREK		RHD	JF1GT7KL5MG117846
North America			JF2GTAEC7M8330452	
FORESTER	Europe, General	LHD	JF1SKELL5MG133884	
		RHD	JF1SKEKL5MG064525	
XV	CKD			TBD
FORESTER	CKD			TBD
BRZ	North America			TBD
	Europe, General	LHD	TBD	
		RHD	TBD	

For more details of VIN format, refer to "Identification Section" in Service Manual.

4. Parts Information and Interchangeability

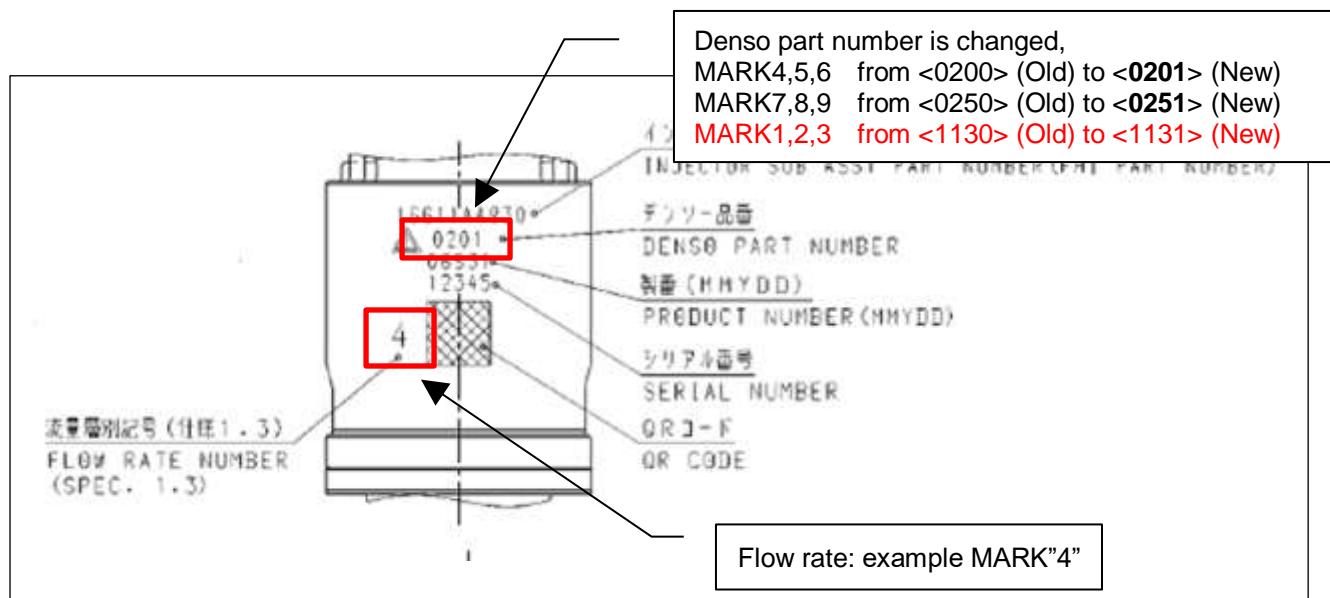
No.	New Parts		Interchangeability	Old Parts
1	Part No.	16611AA971		16611AA970
	Part Name	INJECTOR SUB ASSEMBLY		INJECTOR SUB ASSEMBLY
	Note			MARK"4"
2	Part No.	16611AA981		16611AA980
	Part Name	INJECTOR SUB ASSEMBLY		INJECTOR SUB ASSEMBLY
	Note			MARK"5"
3	Part No.	16611AA991		16611AA990
	Part Name	INJECTOR SUB ASSEMBLY		INJECTOR SUB ASSEMBLY
	Note			MARK"6"
4	Part No.	16611AB071		16611AB070
	Part Name	INJECTOR SUB ASSEMBLY		INJECTOR SUB ASSEMBLY
	Note			MARK"7"
5	Part No.	16611AB081		16611AB080
	Part Name	INJECTOR SUB ASSEMBLY		INJECTOR SUB ASSEMBLY
	Note			MARK"8"
6	Part No.	16611AB091		16611AB090
	Part Name	INJECTOR SUB ASSEMBLY		INJECTOR SUB ASSEMBLY
	Note			MARK"9"
7	Part No.	16611AB161		16611AB160
	Part Name	INJECTOR SUB ASSEMBLY		INJECTOR SUB ASSEMBLY
	Note			MARK"1"
8	Part No.	16611AB171		16611AB170
	Part Name	INJECTOR SUB ASSEMBLY		INJECTOR SUB ASSEMBLY
	Note			MARK"2"

No.	New Parts		Interchangeability	Old Parts
9	Part No.	16611AB181	New Part to Old Vehicle: <u>Yes.</u>	16611AB180
	Part Name	INJECTOR SUB ASSEMBLY	Old Part to New Vehicle: <u>No.</u>	INJECTOR SUB ASSEMBLY
	Note			MARK"3"

Remarks: When replacing the fuel injector assembly, select the appropriate part with flow rate stratification number that is matching to the other existing injectors.

4-1 Identification

The improved part is identifiable by looking at the supplier's part number engraved on the injector body as shown below.



5. Working Procedure

Refer to applicable vehicle Service Manual. The working procedure is not changed.

6. Labour Time

Refer to applicable vehicle Flat Rate Data.

FND

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

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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.