



Model	Model Code	Model Type
BF175A	BAJJ,BAKJ	
BF200A	BAEJ,BAFJ	
BF225A	BAGJ,BAHJ	

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History

Final TBAB01 Warranty extension

28/Sep/2010

Related QIC Report Number(s)

Warranty Extension: O2 Sensor Failure

Symptom

Indicator light comes on and warning buzzer sounds intermittently at idle speed.

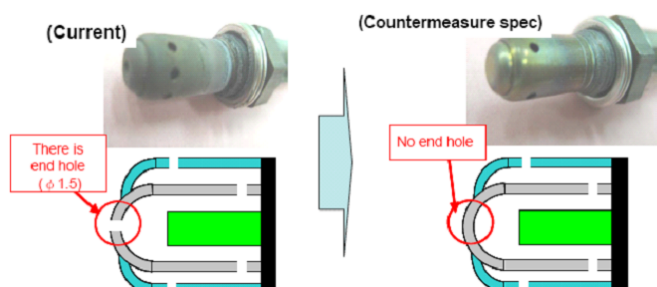
Causes

Protector exhaust introduction hole at end was leading directly to element, so sea water mist enters directly into sensor element, leading to rapid decrease of element temperature and O2 sensor element cracked.

Countermeasure

By changing exhaust gas introduction hole spec, reduce sea water inflow, to improve crack toughness at time exposure to water.

		Current spec	Countermeasure spec
End hole		φ 1.5 x 1	Disused
Side holes	External protector	φ 1.5 x 8	φ 1.5 x 4
	Internal protector	φ 1.5 x 8	φ 1.5 x 4



Affected VIN Range

Model	Model Key Type	Frame Number Range	
		From	To
BF 175	A2-AK0	BAJJ	1000001
			1000322
	AK1	BAKJ	1200001
			1200530
BF 200	A2-AK0	BAEJ	1300001
			1300096
			1000001
			1000020
			1200001
			1200003
	AK1	BAFJ	1000001
			1001274
			1100001
			1100708
			1200001
			1200502
BF 225	A2-AK0	BAGJ	1300001
			1300396
			1400001
			1401659
			1500001
			1500861
	AK1	BAHJ	1600001
			1600221
			1000001
			1000271
			1100001
			1100120
BF 225	A2-AK0	BAGJ	1200001
			1200054
			1300001
			1300031
			1400001
			1400163
	AK1	BAHJ	1500001
			1500087
			1600001
			1600031
			1000001
			1004309
BF 225	A2-AK0	BAGJ	1100001
			1101489
			1200001
			1201595
			1300001
			1301421
	AK1	BAHJ	1400001
			1406488
			1500001
			1502584
			1600001
			1601113
BF 225	A2-AK0	BAGJ	1000001
			1000770
			1100001
			1100661
			1200001
			1200447
	AK1	BAHJ	1300001
			1300404
			1400001
			1401731
			1500001
			1500658
BF 225	A2-AK0	BAGJ	1600001
			1600423
			1000001
			1000770
			1100001
			1100661
	AK1	BAHJ	1200001
			1200447
			1300001
			1300404
			1400001
			1401731



Market Treatment

WARRANTY EXTENSION (Applicable from 01/Oct/2010)

Five (5) years warranty period of O2 sensor on affected units covered by HM regardless of commercial or noncommercial use.

If claimed symptom occurred, replace with appropriate parts for each model as below. Corrective action (replacement parts) is different by current parts fitted on engine at this time.

*O2 sensor less kit is only available for **BF225 A6 model**.

BF225

Model	Current Parts fitted on engine	Replacement Parts Name	Parts No.
A2-A5	NTK O2 sensor 35655-ZY3-013	NTK O2 sensor	35655-ZY3-013
A6, AK0	Never replaced with O2 Sensor KIT (ECU: 34750-ZY3-A01/A02)	O2 Sensor Less Kit	06340-ZY3-305
	Previous O2 Sensor KIT 06356-ZY3-305 (ZY2/ZY4) (ECU: 34750-ZY3-A03)		
	Previous O2 Sensor KIT 06356-ZY3-315 (ZY2/ZY4) (ECU: 34750-ZY3-A04)		
AK1	Latest ECU 34750-ZY3-C02 (ZY2/ZY4)	New C/M O2 sensor (No need to replace ECU)	35655-ZY3-C01

BF200/BF175

Model	Current Parts fitted on engine	Replacement Parts Name	Parts No.
A2-A5	NTK O2 sensor 35655-ZY3-013	NTK O2 sensor	35655-ZY3-013
A6, AK0	Never replaced with O2 Sensor KIT (ECU: 34750-ZY3-A01/A02)	New C/M O2 Sensor KIT	06356-ZY4-325 (BF175) 06356-ZY2-325 (BF200) 06356-ZY3-325 (BF225)
	Previous O2 Sensor KIT 06356-ZY3-305 (ZY2/ZY4) (ECU: 34750-ZY3-A03)		
	Previous O2 Sensor KIT 06356-ZY3-315 (ZY2/ZY4) (ECU: 34750-ZY3-A04)		
AK1	Latest ECU 34750-ZY3-C02 (ZY2/ZY4)	New C/M O2 sensor (No need to replace ECU)	35655-ZY3-C01

<Identification of ECU Parts No:
34750-ZY3-A01/A02/A03/A04 (in case of BF225)>



Service KIT Parts Information

Model	New C/M KIT	Component	New C/M KIT
BF175	06356-ZY4-325	SENSOR, OXYGEN	35655-ZY3-C01
		ECU	34750-ZY4-A04
		BOLT, OXYGEN SENSOR	90074-ZY3-305
BF200	06356-ZY2-325	SENSOR, OXYGEN	35655-ZY3-C01
		ECU	34750-ZY2-A04
		BOLT, OXYGEN SENSOR	90074-ZY3-305
BF225	06356-ZY3-325	SENSOR, OXYGEN	35655-ZY3-C01
		ECU	34750-ZY3-A04
		BOLT, OXYGEN SENSOR	90074-ZY3-305
BF225	O2 SENSOR LESS KIT 06340-ZY3-305	ECU	34750-ZY3-305
		WPC 4P 090 M	32132-ZY3-305
		BOLT, SEALING 18MM	90083-ZY3-305
		WASHER, PLUG, DRAIN 18M	90471-PX4-000

Repair Method

Refer to "O2 sensor and ECU Replacement Procedure" and shop manual as attached.

Warranty Application

Warranty Applications: Extended Warranty

Claim Type:

Symptom Code:

Campaign Code: 7S5

Failed Parts No.:

Model	Current Parts fitted on engine	Failed Parts No.
A2-A5	NTK O2 sensor 35655-ZY3-013	35655-ZY3-013
A6, AK0	Never replaced with O2 Sensor KIT (ECU: 34750-ZY3-A01/A02)	35655-ZY3-013, 35655-ZZ5-004
	Previous O2 Sensor KIT 06356-ZY3-305 (ZY2/ZY4) (ECU: 34750-ZY3-A03)	06356-ZY3(ZY2/ZY4)-305
	Previous O2 Sensor KIT 06356-ZY3-315 (ZY2/ZY4) (ECU: 34750-ZY3-A04)	06356-ZY3(ZY2/ZY4)-315
AK1	Latest ECU 34750-ZY3-C02 (ZY2/ZY4)	35655-ZZ5-004

Flat Rate Times:

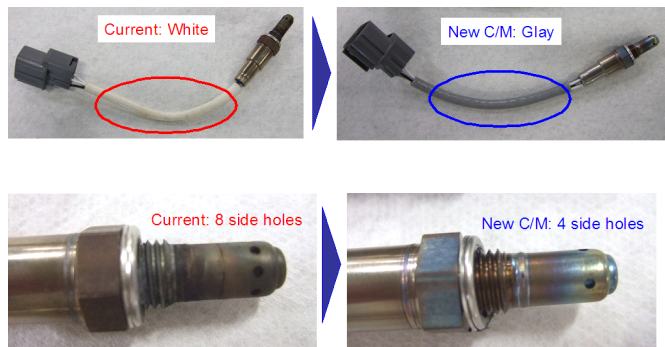
Model	L.O.N.	Description	F.R.T.
A2-A5, AK1	312175	SENSOR, OXYGEN-Replace	0.4
A6, AK0	6171F0	SENSOR, OXYGEN KIT-Replace	0.6
	312175	SENSOR, OXYGEN-Replace	0.4

*Removed Parts Treatment:

Collect all removed Hitachi O2 sensor (35655-ZZ5-004) and send back to MHO Godokaiseiki.

Parts Information

<Identification of new C/M O2 sensor>



Application on Production Line

Applied Date	Dest.	VIN	COMMENT
07/Jul/2010		BAJJ-1300097	BF175AK1
07/Jul/2010		BAEJ-1600222	BF200AK1
22/Jul/2010		BAFJ-1600032	BF200AK1
07/Jul/2010		BAGJ-1601114	BF225AK1
07/Jul/2010		BAHJ-1600424	BF225AK1

Distribution Level

Issue Bulletin

Distributor Code(s)

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