



Model	Model Code	Model Type
BF175AK2	BAJJ,BAKJ	
BF200AK2	BAEJ,BAFJ	
BF225AK2	BAGJ,BAHJ	
BF250A	BBJJ	

Authorized by MATSUMURA HIROYUKI
Power Product Service Engineering Department, Honda Motor Co.,Ltd

History

Updated	CAAB07	Market Treatment revision	04/Feb/2013
	CAAB08	Parts Information revision	
	CAAB09	Warranty Application revision	
Updated	CAAB13	Additional QIC Identification	23/Jan/2013
Final	CAAB06	Applicable VIN revision	17/Jan/2013
	CAAB13	Additional QIC Identification	
Provisional			26/Sep/2012

Related QIC Report Number(s)

6AH2012049-00, 6ASH2012008-01, 6SEM2012004-00, 6SEM2012009-25, 6SEM2012009-29

O2 sensor Failure after C/M

O2 sensor wrong diagnostics threshold setting

Symptom

Warning buzzer sound in continuously at idle speed.

Note: Installed O2 sensors were Hitach 4holes type.

Causes

Appearance/ Recurrence check

There are not water mark on sensor protector.

DTC 1-4 was stored in ECU 3 sensors out of 5 sensors at test.

Sensor electromotance signal a little bit come down (840mV).DTC trigger electromotance signal is less than 900mV therefore after 20 second DTC 1-4 was stored in ECU.

Model	BF225AK1	BF225AK1	BF175AK1	BF175AK1	BF225AK1
Frame No	BAGJ-1602598	BAGJ-1602626	BAJJ-1300231	BAJJ-1300231	BAGJ-1602782
Engine No	1203418	1203467	1200233	1200233	1203605
Production date	2011/6/3		2011/6/6		2011/8/27
Registration date	2011/9/6	2011/8/10	2011/9/24		2011/10/13
Occurrence date	2011/10/20	2011/11/22	2011/11/28	2011/12/19	2011/11/18
Parts receiving date			2011/3/13		
Usage month	2	4	3	3	2
Operation Hour	20 hour	35 hour	22 hour	63 hour	21 hour
O2S ID	1517	1517	1506	1311	1810
O2 Production date	'11/5/17	'11/5/17	'11/5/6	'11/3/11	'11/8/10
Symptom	O2 sensor failure After C/M				
Appearance					
Heater resistance	7.6 Ω	7.1 Ω	7.1 Ω	6.9 Ω	7.4 Ω
DTC check	come on	come on	No DTC	come on	No DTC
	DTC 1-4	DTC 1-4	—	DTC 1-4	—



We checked O2 sensor with A6-AK0 model ECU but there is no DTC from failure O2 sensor.

According to investigations we judged that main cause is O2 sensor wrong diagnostics threshold setting.

A6-AK0 model Threshold : Less than 800mV.

AK1 model Threshold : Less than 900mV

Countermeasure

Change PGM-FI ECU programming data.O2 sensor diagnostics threshold setting will be change as following,

Current ECU setting

Idling : less than 900mV / Except Idling : less than 800mV

Countermeasure ECU setting

Idling : less than 600mV / Except Idling : less than 600mV

Affected VIN Range

Type 1:Previous exhaust manifold apply model

Model		Frame number range	
BF175	BAJJ	from 1300097	to 1300202
	BAKJ	from 1300001	to 1300002
BF200	BAEJ	from 1600222	to 1600589
	BAFJ	from 1600032	to 1600086
BF225	BAGJ	from 1601114	to 1602588
	BAHJ	from 1600424	to 1600820

Type 2:Latest exhaust manifold apply model

Model		Frame number range	
BF175	BAJJ	from 1300203	to 1400083
	BAKJ	from 1300003	to 1400001
BF200	BAEJ	from 1600590	to 1700186
	BAFJ	from 1600087	to 1700037
BF225	BAGJ	from 1602589	to 1700649
	BAHJ	from 1600821	to 1700260
BF250	BBJJ	from 1000001	to 1001608
		from 8000001	to 8000464

About C/M exhaust manifold detail, please refer to HTI (No.H-TI620110058).

Application on Production Line

Applied Date	Dest.	VIN	COMMENT
11/Dec/2012		BBJJ-1001609	BF250A
11/Dec/2012		BBJJ-8000465	BF250A
10/Dec/2012		BAGJ-1700650	BF225AK2
10/Dec/2012		BAHJ-1700261	BF225AK2
10/Dec/2012		BAEJ-1700187	BF200AK2
24/Dec/2012		BAFJ-1700038	BF200AK2
10/Dec/2012		BAJJ-1400084	BF175AK2

Market Treatment

Fix as failed.

Type 1:Previous exhaust manifold apply model

In case of DTC 1-4 stored in ECU, **please exchange to C/M ECU,latest exhaust manifold and O2 sensor.**

Type 2:Latest exhaust manifold apply model

In case of DTC 1-4 stored in ECU, **please exchange to C/M ECU along with O2 sensor.**



Repair Method

Please refer to shop manual.

Parts Information

Type 1:Previous exhaust manifold apply model

Model	C/M parts number	Description
BF175	34750-ZY4-C05	ECU ASSY
BF200	34750-ZY2-C05	
BF225	34750-ZY3-C06	
Common parts	18120-ZY3-C01ZA	EXHAUST L MANIFOLD COMP.
	35655-ZY3-C01	OXYGEN SENSOR
	18125-ZY3-003	EXH MNFLD GSKT
	91301-ZY3-003	O-RING,66 4,×3.1
	91307-PNA-003	O-RING 9.5MM×1.9MM
	12155-ZV5-000	ANODE METAL (2pcs required)
	93500-060184J	SCREW PAN 6×12 (2pcs required)

Type 2:Latest exhaust manifold apply model

Model		C/M parts number
BF175	BAJJ	34750-ZY4-C05
	BAKJ	
BF200	BAEJ	34750-ZY2-C05
	BAFJ	
BF225	BAGJ	34750-ZY3-C06
	BAHJ	
BF250	BBJJ	34750-ZX2-023
Common parts	Oxygen sensor	35655-ZY3-C01

Warranty Application

Warranty Applications: Ordinary
Claim Type: 000 Standard Warranty
Symptom Code: 03203

Type 1:Previous exhaust manifold apply model

L.O.N	Description	FRT
3131C0	Exhaust Manifold Left	1.2
6211A6	Electronic Control Unit(ECU)	0.5
312175	O2 sensor	0.4

Type 2:Latest exhaust manifold apply model

L.O.N	Description	FRT
6211A6	Electronic Control Unit(ECU)	0.5
312175	O2 sensor	0.4

Main causal parts number

Type 1:Previous exhaust manifold apply model

18120-ZY3-C01ZA,EXHAUST L MANIFOLD COMP.(For all models)

Type 2:Latest exhaust manifold apply model

Model	Causal parts number	Description
BF175	34750-ZY4-C03	Electronic Control Unit
BF200	34750-ZY2-C03	
BF225	34750-ZY3-C04	
BF250	34750-ZX2-003	

Distribution Level

As Necessary

Distributor Code(s)

101, 120, 130, 25F, 302, 33N, 34M, 350, 374, 378, 404, 504, 507, 508, 511, 522, 530, 53S, 550, 557, 564, 577, 62A, 741, 771