

MODEL

XF

DATE 09 JULY 2009



Service

TECHNICAL BULLETIN

SECTION: 303

Cold-Start Poor Idle with Misfire Diagnostic Trouble Codes Stored - Repair Procedure

AFFECTED VEHICLE RANGE:

XF (X250) Supercharged only

VIN: R00019 - R47153 Model Year: 2009

CONDITION SUMMARY:

Situation: An issue has been identified during a cold start where the engine may idle poorly and there may be misfire Diagnostic Trouble Codes (DTC) stored. This may be due to variation in the air filter element material causing an imbalance in the intake air flow.

Δ NOTE: Air cleaner elements must be replaced as a 'matched' pair.

Action: In the event of a customer concern of the above, refer to the Repair Procedure below.

<u>PARTS:</u>

C2Z15037.....Air cleaner elements - matched pair

Qty: 1

TOOLS:

Latest IDS DVD; software first available on IDS DVD118 Patch File 6 Midtronics PSC-550 Vehicle Power Supply

WARRANTY:

→ NOTE: Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.

DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

Description	SRO	Time (hours)	Condition Code	Causal Part
Air cleaner element - Engine - Set - Renew	19.10.08	0.40	42	C2Z15037

Normal warranty policy and procedures apply.

NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Dealer, do not assume that a condition described affects your vehicle. Contact an authorized Jaguar service facility to determine whether this bulletin applies to a specific vehicle.



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REPAIR PROCEDURE

VERIFY MASS AIR FLOW SENSOR BALANCE

CAUTION: A Midtronics PSC-550 Vehicle Power Supply must be connected to the vehicle battery during diagnosis / module programming.

1. Connect the Midtronics PSC-550 Vehicle Power Supply to the vehicle battery.

\sim NOTE: IDS must be loaded with software release DVD118 Patch File 6 or later.

- 2. Connect the IDS to the vehicle and begin a new diagnostic session by entering the correct VIN for the current vehicle.
- 3. Follow the IDS prompts to read the vehicle configuration.
- 4. Select 'No' when prompted 'Do you wish to read diagnostic trouble codes?'
- 5. Select 'tick' to continue.
- 6. Select 'Datalogger' button and then select '303-00 Engine system'.

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S-DVD118_	V6] Jaguar XF 08 / 100-09 Complete vehicle		
211-0	DO Steering system	(Powertrain control module)	
303-0	DO Engine system		
	Viscous fan speed.		
	Cooling fan speed		G
	Absolute load value.		
	Engine output 1 - fuel cut-off active.	Select 'Datalogger'	
	Engine output 1 - starter relay.	Select '303-00 Engine System'	
	Engine output 1 - engine management system		اعر
	relay.		•
	Engine output 1 - speed control lamp.		
	Engine output 1 - engine management system		
	warning lamp.		
	Engine output 1 - malfunction indicator warning		
	lamp.		
	Engine output 1 - diagnostics module - tank		
	Number of selected signals	0 Update time (estimated) 0m	s

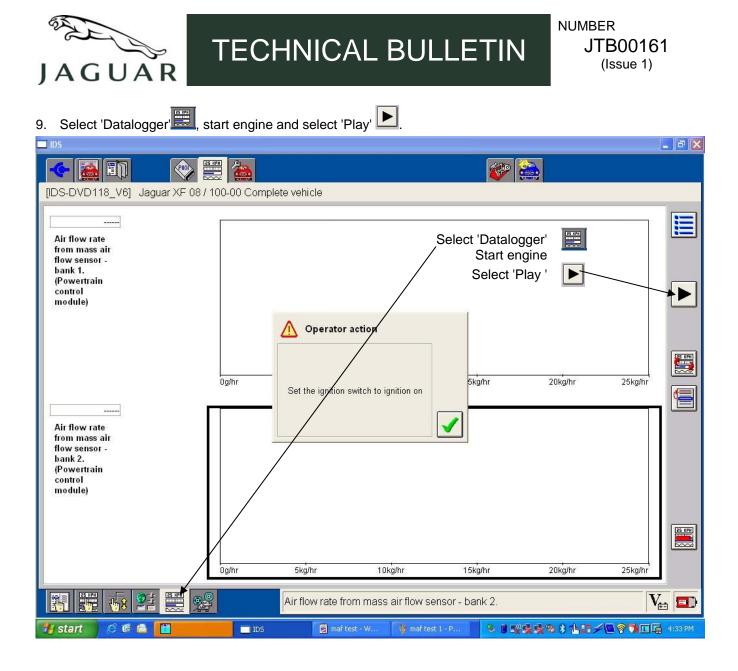


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- 7. Select 'Air flow rate from mass air flow sensor bank 1' and then
- 8. Select 'Air flow rate from mass air flow sensor bank 2' and then

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[IDS-DVD118_V6] Jaguar XF 08 / 100-00 Complete vehicle	
[DS-DVD118_V6] Jaguar XF 08 / 100-00 Complete vehicle Injector 1 Pulse width Injector 4 Pulse width Injector 5 Pulse width Injector 6 Pulse width Injector 7 Pulse width Injector 8 Pulse width Injector 9 Pulse width Injector 1 Pulse width Injector 2 Pulse width Injector 3 Pulse width Injector 3 Pulse width Injector 3 Pulse width Injector 4 Pulse width Injector 5 Pulse width Injector 7 Pulse width Intake air flow rate from mass air flow sensor - bank 2 Intake air temperature Commanded exhaust gas recirculation Accel	(Powertrain control module) Image: Select 'Air flow rate from mass air flow sensor - bank 1' and then Select 'Air flow rate from mass air flow sensor - bank 1' and then Select 'Air flow rate from mass air flow sensor - bank ' and then
Number of selected signals 2	Update time (estimated) 110ms
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NUMBER JTB00161 (Issue 1)

10. With engine warm, monitor Mass Air Flow (MAF) sensor signals:

- Ensure air flow is even for both bank 1 and bank 2 (slight variation is normal).
- If an air flow imbalance of greater than 2.5 kg / hour is evident, refer to 'REPLACE AIR CLEANER ELEMENTS'.

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[IDS-DVD118_V6] Jaguar XF 08 /		e vehicle					
10.1kg/hr Air flow rate from mass air flow sensor - bank 1. (Powertrain control module)							₩ ₩
10.1kg/hr Air flow rate	0g/hr	5kg/hr	10kg/hr	15kg/hr	20kg/hr	25kg/hr	
from mass air flow sensor - bank 2. (Powertrain control module)							
	Og/hr	5kg/hr	10kg/hr	15kg/hr	20kg/hr	25kg/hr	
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- 11. Exit the current session.
- 12. Disconnect IDS and the Midtronics PSC-550 Vehicle Power Supply from the vehicle.

REPLACE AIR CLEANER ELEMENTS

NOTE: Global Technical Reference (GTR) lookup sequence is as follows: GTR Home > NAS > X250-XF > Service Information > 2009 > Workshop Manual > 3: Powertrain > 303: Engine > 303-12E: Intake Air Distribution and Filtering - 4.2L, Vehicles With: Supercharger

1. Refer to Workshop Manual (GTR) section 303-12E: Intake Air Distribution and Filtering - 4.2L, Vehicles With: Supercharger and replace the air cleaner elements.