



EG-0036L-0210-EN

Technical Service Bulletin

25/02/2010

Subject:

Hard to start & Unstable idle after engine cranking

Models:

IS220d

Model codes:

ALE20

ENGINE

1 page

INTRODUCTION

This Technical Service Bulletin is to inform you of the production change and repair method for the subject concern. Applicable to vehicles produced before the production change effective VIN's / frame numbers shown below.

DESCRIPTION OF PHENOMENON

During cold starting (e.g. after overnight, or few hours parking) the engine must be cranked for an extended period before firing.

For a few seconds after the engine starts it will run/idle rather unevenly or roughly.

PRODUCTION CHANGE

1. New software has been developed.
2. Improved fuel suction plate has been developed.
3. Improved glow plugs have been developed.
4. Improved hollow screws have been developed.

PRODUCTION CHANGE INFORMATION

Model code	Plant	Production change effective VIN	Implementation date
ALE20	Kyushu	JTHBB262802036805	January, 2010

PARTS INFORMATION

Previous part number	Current part number	Part name	Quantity	Minimum calibration level
89661-53700 89661-53701	89661-53702	Computer, Engine Control	1	35335600
89661-53740 89661-53741	89661-53742			35339600
89661-53D80	89661-53D80			353A3100
77024-53020	77024-53021	Plate Sub-Assy, Fuel Suction	1	N/A
19850-26020	19850-26021 19850-0R021	Plug Assy, Glow	4	N/A
23679-26010	23679-26020	Screw, Injector Hollow	4	N/A

REPAIR PROCEDURE

1. Re-program E/G ECU with IT2 to the minimum calibration level.
2. Re-label the ECU with new part number and calibration ID.
3. Replace the parts (fuel suction sub assy, glow plug and follow screw) according to repair manual in Techdoc.



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WARRANTY INFORMATION

Warranty application is limited to correction of a problem based upon a customer's specific complaint.

Model	Model code	OP code	Operation	Time	OFP	T1	T2
IS220d	ALE20	89599	Others (Engine Control Module reprogramming) + Sticker application	0.5	89661-53700 89661-53701 89661-53740 89661-53741 89661-53D80 (*)	02	74
IS220d	ALE20	801013	Handheld Tester or IT2	0.2	89661-53700 89661-53701 89661-53740 89661-53741 89661-53D80 (*)	02	74
IS220d	ALE20	236021	R&R Fuel Suction Plate Sub-Assembly	0.6	89661-53700 89661-53701 89661-53740 89661-53741 89661-53D80 (*)	02	74
IS220d	ALE20	194051	R&R Glow Plug Assembly (ALL)	0.6	89661-53700 89661-53701 89661-53740 89661-53741 89661-53D80 (*)	02	74
IS220d	ALE20	194051Z	R&R Hollow screw (ALL)	0.2	89661-53700 89661-53701 89661-53740 89661-53741 89661-53D80 (*)	02	74

(*) Select OFP based on the original installed E/G ECU. Remark: Operation 89599 & 194051Z requires mandatory CCR-comments in the warranty claim. (CCR = Condition Cause Remedy) for better technical analysis. Failure to comply with this requirement could lead to claim rejection.