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Service Category: Engine/Hybrid System	Section: Engine Control	
Model Year: 2008	Model: LX570	Doc ID: RM000000PD906QX
Title: 3UR-FE ENGINE CONTROL: SFI SYSTEM: HOW TO PROCEED WITH TROUBLESHOOTING (2008 LX570)		

HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

***: Use the Techstream.**

1.	VEHICLE BROUGHT TO WORKSHOP
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NEXT



2.	CUSTOMER PROBLEM ANALYSIS
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NEXT



3.	CONNECT TECHSTREAM TO DLC3
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HINT:

If the display indicates a communication fault in the Techstream, inspect the DLC3.

NEXT



4.	CHECK DTC AND FREEZE FRAME DATA*
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HINT:

Record or print DTCs and freeze frame data, if necessary.

NEXT



5.	CLEAR DTC AND FREEZE FRAME DATA*
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NEXT



6.	CONDUCT VISUAL INSPECTION
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NEXT



7.	SET CHECK MODE DIAGNOSIS*
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NEXT



8.	CONFIRM PROBLEM SYMPTOMS
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HINT:

If the engine does not start, first perform the "Check DTC" procedures and "Conduct Basic Inspection" procedures below.

Result

RESULT	PROCEED TO
Malfunction does not occur	A
Malfunction occurs	B

B GO TO STEP 10

A



9.	SIMULATE SYMPTOMS
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NEXT



10.	CHECK DTC*
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Result

RESULT	PROCEED TO
Trouble code	A
No code	B

B ► **GO TO STEP 12****A**

11.	REFER TO DTC CHART
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NEXT ► **GO TO STEP 14**

12.	CONDUCT BASIC INSPECTION
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Result

RESULT	PROCEED TO
Malfunctioning parts not confirmed	A
Malfunctioning parts confirmed	B

B ► **GO TO STEP 17****A**

13.	REFER TO PROBLEM SYMPTOMS TABLE
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Result

RESULT	PROCEED TO
Malfunctioning circuit confirmed	A
Malfunctioning parts confirmed	B

B ► **GO TO STEP 17****A**



14.	CHECK ECM POWER SOURCE CIRCUIT
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NEXT



15.	CONDUCT CIRCUIT INSPECTION
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Result

RESULT	PROCEED TO
Malfunction not confirmed	A
Malfunction confirmed	B

B GO TO STEP 18

A



16.	CHECK FOR INTERMITTENT PROBLEMS
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NEXT GO TO STEP 18

17.	CONDUCT PARTS INSPECTION
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NEXT



18.	IDENTIFY PROBLEM
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NEXT



19.	ADJUST AND/OR REPAIR
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NEXT

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20.	CONDUCT CONFIRMATION TEST
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NEXT ► END

