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Service Category: Engine/Hybrid System	Section: Engine Control	
Model Year: 2008	Model: LX570	Doc ID: RM000000PDG06EX
Title: 3UR-FE ENGINE CONTROL: SFI SYSTEM: PROBLEM SYMPTOMS TABLE (2008 LX570)		

PROBLEM SYMPTOMS TABLE

HINT:

Use the table below to help determine the cause of problem symptoms. If multiple suspected areas are listed, the potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

SFI System

SYMPTOM	SUSPECTED AREA	SEE PAGE
Engine does not crank (Does not start)	Battery	INFO
	Starter	INFO
	Starter relay	INFO
	Park/neutral position switch	INFO
	Engine immobiliser system	INFO
	Smart access system with push-button start	INFO
No initial combustion (Does not start)	ECM power source circuit	INFO
	Crankshaft position sensor	INFO
	Camshaft position sensor	INFO
	Ignition system	INFO
	Fuel pump control circuit	INFO
	ECM	INFO
	VC output circuit	INFO
Engine cranks normally but difficult to start	Fuel pump control circuit	INFO
	Compression	INFO
Difficult to start with cold engine	Ignition system	INFO
	Spark plug	INFO
	Fuel pump control circuit	INFO
	Injector	INFO
	Cranking holding function circuit	INFO
Difficult to start with warm engine	Injector	INFO
	Ignition system	INFO
	Spark plug	INFO
	Fuel pump control circuit	INFO
	Cranking holding function circuit	INFO

SYMPTOM	SUSPECTED AREA	SEE PAGE
High engine idle speed	Electronic throttle control system	INFO
	A/C signal circuit	INFO
	ECM power source circuit	INFO
	Acoustic Control Induction System (ACIS)	INFO
Low engine idle speed (Poor idling)	Electronic throttle control system	INFO
	A/C signal circuit	INFO
	Fuel pump control circuit	INFO
	Air induction system	INFO
	Acoustic Control Induction System (ACIS)	INFO
	PCV hose	INFO
Rough idling	Compression	INFO
	Spark plug	INFO
	Injector	INFO
	Ignition system	INFO
	Fuel pump control circuit	INFO
	Electronic throttle control system	INFO
	Air induction system	INFO
	Acoustic Control Induction System (ACIS)	INFO
	PCV hose	INFO
	Mass air flow meter	INFO
Idle hunting	Electronic throttle control system	INFO
	Air induction system	INFO
	ECM power source circuit	INFO
	Acoustic Control Induction System (ACIS)	INFO
Hesitation/Poor acceleration	A/T faulty	INFO
	Fuel pump control circuit	INFO
	Spark plug	INFO
	Ignition system	INFO
	Injector	INFO
	Mass air flow meter	INFO
	Electronic throttle control system	INFO
	Air induction system	INFO
	Compression	INFO
Surging (Poor driveability)	Spark plug	INFO
	Fuel pump control circuit	INFO

SYMPTOM	SUSPECTED AREA	SEE PAGE
	Ignition system	INFO
	Injector	INFO
	Mass air flow meter	INFO
	Variable valve timing system	INFO
	Compression	INFO
Engine stalls soon after starting	Fuel pump control circuit	INFO
	Spark plug	INFO
	Ignition system	INFO
	Injector	INFO
	Variable valve timing system	INFO
	Electronic throttle control system	INFO
	Air induction system	INFO
	PCV hose	INFO
	Compression	INFO
Engine stalls only during A/C operation	A/C signal circuit	INFO
	ECM	INFO
Unable/difficult to refuel	Refueling valve (canister)	INFO

