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Engine Control Systems I - Course 852 2-7 Inputs - Sensors The ECM needs to adjust a variety of systems based on temperatures. It is critical for proper operation of these systems that the engine reach operating temperature and the temperature is accurately

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signaled to the ECM. For example, for the proper amount of fuel to be injected the ECM

and Automatic Emergency Braking, Dynamic Radar Cruise Control, Lane Departure Alert, Lane Tracing Assist, Road Sign Assist and Intelligent High Beams systems. LEXUS SAFETY SYSTEM+ 2.0 ADDRESSES THE THREE MOST COMMON ACCIDENT TYPES Lexus Safety System+ 2.01 is designed to help protect drivers, passengers, people in other vehicles on the

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road,

This manual, "TCCS (Toyota Computer-Controlled System)", is Volume 1 of the thirteen Training Manuals which constitute Step 3 of the program of skills which all Toyota New TEAM\* technicians should master. It should also be used by the instructor in conjunction with the accompanying Instruction Guide .

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malfunction so a mechanic can fix it later. It's also the ECU's job to store your driving data to customize your ride.

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• Toyota Lexus ES 350 sedan • UA Reached 100 mph+ • 911 Emergency Phone Call ... • Controls air + fuel + spark engine power [NASA UA Report Fig 4.0-1] 6 ... “We enlisted the best and brightest engineers to study Toyota’s electronics systems, and the verdict is in.

The Synergy Drive is a drive-by-wire system with no direct mechanical connection between the engine and the engine controls: both the gas pedal and the gearshift lever in an HSD car

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merely send electrical signals to a control computer. HSD is a refinement of the original Toyota Hybrid System (THS) used in the 1997–2003 Toyota Prius.

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idle is too low, it may cause the engine to stall or idle roughly. To adjust the idle speed:

- The engine should be at operating temperature.
- All accessories should be off.
- Set the parking brake.
- Place the transmission in park or neutral position.
- Engine cooling fan should be off.

**TOYOTA ELECTRONIC TRANSMISSION CHECKS & DIAGNOSIS**

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The Synergy Drive is a drive-by-wire system with no direct

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**TOYOTA ELECTRONIC TRANSMISSION CHECKS & DIAGNOSIS**

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(b) While testing, never race the engine. 4. Avoid prolonged engine compression measurement. Engine compression tests must be made as quickly as possible. 6. Do not run engine when fuel tank is nearly empty. This may cause the engine to misfire and create an extra load on the converter. 6. Avoid coasting with ignition turned off and prolonged ...

**ENGINE CONTROL SYSTEM 1. General** The engine control system of the 4A-FE engine for the new Celica is basically the

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same functionally as the 4A-FE engine carried in the Corolla All-Trac/4WD station wagons ('89 model AE95 series), but it incorporates some modifications. The following table compares the engine control systems between the ...

28/7/2016 · In addition: "Toyota, Lexus, and Scion vehicle electrical systems are designed to control and communicate with engine, drivetrain, body electrical, navigation, audio, handling and safety systems." Components from these various systems can be

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damaged in ...

Another difference between a gasoline engine and a diesel engine is the manner in which engine speed is controlled. In any engine, speed (or power) is a direct function of the amount of fuel burned in the cylinders. Gasoline engines are self-speed-limiting, due to the method the engine uses to control the amount of air entering the engine.

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