

Technical Bulletin

Division: Automotive
Category: Technical

Section Title: Engine
TSB No. TS 02 10261

SUBJECT: EXTENDED CRANKING TIME (HARD STARTING)
MODEL(S): KIZASHI (A6B424)
YEAR: 2010~2011

CONDITION: The engine may experience an extended cranking time during start up.

CAUSE: Various timing conditions may exist intermittently.

CORRECTION: DO NOT replace the ECM! Please reprogram (reflash) the ECM with updated software that has been improved for better starting performance. The SEPS database files installed on the PC or laptop being used must be version 2.011.0731 or later.

WARRANTY INFORMATION:

Labor Operation	Description	Failed Part Number	Model Year	Complaint Code	Defect Code	Labor Time
FB32P0	Engine Control Module Programming	33910-57L10	2010~2011	01	99	0.4 hrs.

Technical Service Department
Dealership Circulation – Initial and file:

Service Manager	Parts Manager	Service Advisor	Technicians						

Suzuki bulletins are intended for use by professional technicians, NOT a “do-it-yourselfer.” They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your authorized Suzuki dealer for information on whether your vehicle may benefit from the information. Suzuki reserves the right to change technical specifications at any time without prior notice.

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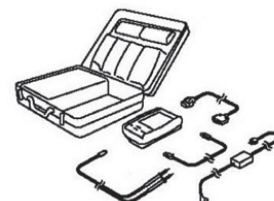
Required Tools

1. PC or Laptop with the SEPS (Suzuki ECU Programming System) software installed and running with database version 2.011.0731 or later.

SDS Kit

Or

SDT Scan Tool



2. J2534 pass-thru device
 - Suzuki SDS Tool Kit (Part number 09910-06520-B)
 - or
 - Suzuki SDT Scan Tool (Part number 95171-00380)


Available on www.SuzukiPitstopPlus.com

ECU Model List

Model	Specification (E33 – US spec)	MY	T/M	Early ECM		Latest ECM *with countermeasure Calibration Data	
				Part No.	Version	Part No.	Version
A6B424	E33	11	MT	33980-57LJ1	0001	33980-57LJ2	0002
			CVT	33980-57LK1	0001	33980-57LK2	0002
		10	MT	33980-57LE1	0001	33980-57LE2	0002
			CVT	33980-57LF1	0001	33980-57LF2	0002
RW420	E33	11	2WD MT	33980-51ME1	0001	33980-51ME2	0002
			2WD CVT	33980-51MF1	0001	33980-51MF2	0002
			4WD MT	33980-51MG1	0001	33980-51MG2	0002
			4WD CVT	33980-51MH1	0001	33980-51MH2	0002
		10	2WD MT	33980-54LG0	0000	33980-54LG1	0001
			2WD CVT	33980-54LH0	0000	33980-54LH1	0001
			4WD MT	33980-54LJ0	0000	33980-54LJ1	0001
			4WD CVT	33980-54LK0	0000	33980-54LK1	0001
JB424W	E33	11	MT	33982-78K81	0001	33982-78K82	0002
			AT	33982-78K91	0001	33982-78K92	0002
		10	MT	33981-78KG0	0000	33981-78KG1	0001
			AT	33981-78KH0	0000	33981-78KH1	0001
		09	MT	33980-78KC2	0002	33980-78KC3	0003
			AT	33980-78KD3	0003	33980-78KD4	0004

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SERVICE ACTION

1. Connect the pass-thru device being used to the USB port of your PC or Laptop.
2. Plug the pass-thru device into the DLC (Data Link Connector) of the vehicle being reprogrammed.
3. Turn the ignition switch to the ON (Run) position leaving the engine OFF.
4. Start the SEPS software program  on your PC, then follow the prompts to select the desired system controller to reprogram and the pass-thru device being used. Once communication has been established between the vehicle controller and the PC, confirm that the proposed system update information matches that listed in the “**ECU Model List**” table included on the previous page of this bulletin. If all the data matches the update requirements continue forward through the software program prompts until the process is complete.
5. Disconnect the pass-thru device from the vehicle.
6. Road test the vehicle.
7. The reprogram procedure is complete.