

# 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.

|                       |                        |                            |
|-----------------------|------------------------|----------------------------|
| <b>Model: Kizashi</b> | <b>Section: Engine</b> | <b>TSB No. TS 02 10261</b> |
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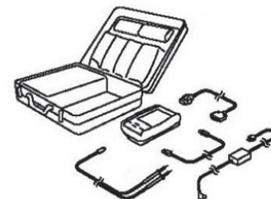
### Required Tools

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](http://www.SuzukiPitstopPlus.com)

### ECU Model List

| Model  | Specification<br>(E33 – US spec) | MY | T/M     | Early ECM   |         | Latest ECM<br>*with countermeasure<br>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    |

**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.