SUZUKI.

FORENZA

Technical Bulletin

Division: Automotive

Category: Technical

Section Title: Engine

TSB No. TS 12 12177R

SUBJECT: P0133 (FRONT OXYGEN SENSOR SLOW RESPONSE)
MODEL(S): FORENZA, FORENZA WAGON, RENO (RQ420)
YEAR: 2006~2007
REVISION: O2 SENSOR INSPECTION AND REPLACEMENT IS ELIMINATED FROM PROCEDURE. NEW SOFTWARE TO ADDRESS CONCERN IS AVAILABLE

CONDITION: The ECM software calibration may cause illumination of the Malfunction Indicator Lamp (MIL) and store DTC P0133 (Front Oxygen Sensor Slow Response).

CAUSE: ECM software logic.

CORRECTION: Perform the ECM reprogram procedure below to reprogram the ECM. Refer to the **General TSB 05 XXXXX "ECM (ECU) Reprogramming Verification Procedure Using the Suzuki SDS Tool"** to verify the version installed in your PC.

REQUIRED TOOLS AND SOFTWARE:

Part Numbers	Description	Qty	Notes
09910-06521	SDS Tool Kit	1	**Kit Includes USB Cable, Diagnostic Interface Box and DLC Cable.**
Suzuki Pitstop	Pass-Thru Reprogramming Software SOFTWARE.EXE	1	**Version 1.10.1.1 or later. Requires serial number to activate.***
Suzuki Pitstop	Database DATABASE.EXE	1	**Version 2.007.1112 or later. Requires serial number to activate.***
99963-01501-224	Reprogram Label	1	**Please fill out completely and affix to the interior of the glove box.**
Suzuki Pitstop	Suzuki Pass-Thru Reprogramming Tool Operator's Manual	1	**Version 102307 or later. New version number can be found on the last page. Must be read and understood completely before attempting to reprogram a vehicle.**
* For serial number information, please refer to the Pass-Thru Reprogramming Tool operators manual.			

Technical Service Department
Dealership Circulation - Initial and file:

Service Manager	Parts Manager	Service Advisor	Technicians			

	Model: Forenza	Section: ENGINE	TSB No. TS 12 12177R

WARRANTY CLAIM INFORMATION:

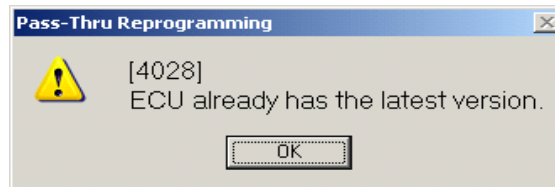| Labor Operation	Description	Failed Part Number	Complaint Code	Defect Code	Labor Time
FB32P0	ECM Reprogramming	18213-85Z30	83	36	0.3 Hrs.

Reprogramming Procedure:

1. Log onto the Suzuki Connect and access the Suzuki Pitstop.

2. Download and review the Suzuki Pass-Thru Reprogramming Tool Operator's Manual. This must be read and understood COMPLETELY before attempting to reprogram the ECM.

3. Following the procedure outlined in the Suzuki Pass-Thru Reprogramming Tool Operator's Manual, download and install the Pass-Thru Reprogramming Software "SOFTWARE.EXE" in your PC, (if it is not already installed).

4. Follow the procedure in Section 3.2 of the Operator's Manual to update the Database files. Download and unzip Suzuki Pass-Thru Reprogramming Data Base "DATABASE.EXE" in your PC. This step is only required to be done once to accommodate all vehicles covered under this TSB.
   NOTE:
   This Database "DATABASE.EXE" has been updated with newer data for reprogramming without changing the file name. You are requested to download in order to update the database in your PC.
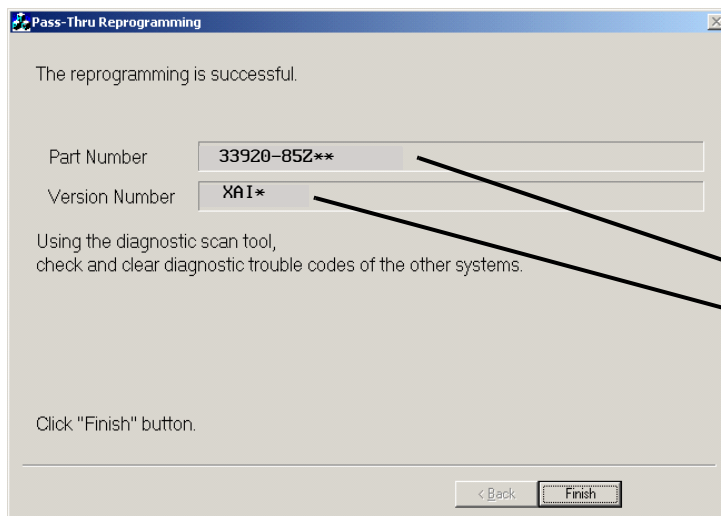
5. Following the procedures outlined in the Suzuki Pass-Thru Reprogramming Tool Operator's Manual, hook up the SDS Interface Tool P/N 09910-06520 to the vehicle and run the ECM reprogramming software. Continue to step 6. If the message "[4028] ECU already has the latest version" appears, click "OK". No further action is required. The glove box label should already be in the glove box.

6. Fill out the Reprogram Label P/N 99963-01501-224 (the part number and version will be displayed at the "The reprogramming is successful" screen). Then affix the label to the back of the glove box door as pictured below.

7. Perform the idle relearn after reprogramming as follows.

   a. Turn the ignition ON.

   b. Turn the ignition OFF for 15 seconds.

   c. Turn the ignition ON for 5 seconds.

   d. Turn the ignition OFF for 15 seconds.

   e. Start the engine in Park/Neutral.

   f. Allow the engine to run until the engine coolant is above 85 °C (185 °F).

   g. Turn the A/C ON for 10 seconds, if equipped.

   h. Apply the parking brake. While pressing the brake pedal, place the transaxle in D (Drive) for 10 seconds.

   i. Turn the A/C OFF for 10 seconds, if equipped.

   j. Place the transaxle in Park/Neutral.

   k. Turn the ignition OFF. The idle learn procedure is complete.

   l. Perform Tooth Error Correction (TEC) relearn by using the Tech 2.

NOTE: **If the symptom remains after reflashing, contact the S.M.A.R.T. Hotline (Techline) for assistance.**

Example: