TOYOTA
SCION
Technical Service BULLETIN
January 26, 2006

Title:

BATTERY MAINTENANCE FOR IN-STOCK VEHICLES & PRE-DELIVERY

Models:

All Models & Model Years Through Current

TSB
PG001-06
PRODUCT GENERAL INFORMATION

TSB UPDATE NOTICE:

The information contained in this TSB supercedes TSB No. PG017–02. TSB No. PG017–02 is now obsolete and should be discarded.

Introduction

A battery in a stored vehicle is subject to conditions that can reduce its performance and life. These conditions include storage period, temperature, parasitic drain, and battery load. Because of these factors, battery inspection and maintenance are required in order to ensure proper operation and optimal battery life.

As a matter of policy, Toyota does not provide battery warranty coverage for discharged and/or failed batteries due to lack of maintenance. It is the dealer's responsibility to maintain the specified State of Charge (SOC) of the vehicle's battery while in stock and assure proper State of Charge (SOC) at delivery.

To eliminate customer service concerns due to an undercharged battery during the first few weeks of ownership, **all dealers should check battery State of Charge (SOC) and recharge, if necessary, just prior to delivery** (i.e., within 48 hours of delivery).

Applicable Vehicles

- **All models and model years through current.**

Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	**Digital Battery System Analyzer*** NOTE: • All components from this kit/set are required 	00002–V8150–KIT	1	19

* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:

- **The Digital Battery System Analyzer (P/N 00002–V8150–KIT) supercedes the Midtronics MICROPRO 815 Digital Battery Tester (P/N 0002–MP815–T). P/N 0002–MP815–T is now obsolete.**
- **Additional SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.**

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

Recommended Equipment

TOOLS & EQUIPMENT	MANUFACTURER	PART NUMBER
Fast Battery Charger**	Associated	ASE6003
Fast Battery Charger**	Christie	CAPPDQ

** These tools can be ordered through the Toyota Approved Dealer Equipment program by calling 1–800–368–6787.

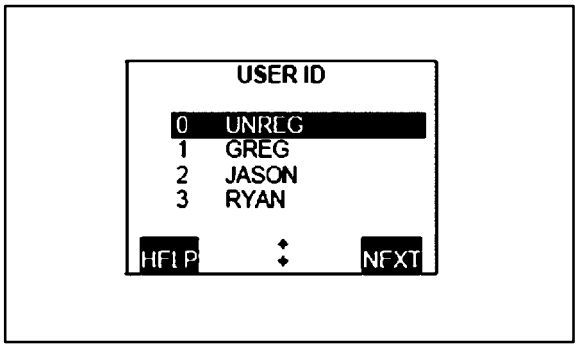
NOTE:
The "Fast Battery Chargers" listed above have been tested and approved by Toyota. These state-of-the-art "smart" chargers were designed to charge batteries at an accelerated rate, without the possibility of damage. Using non-microprocessor-controlled battery chargers for fast charging purposes can damage the battery.

Battery Inspection Procedure

All vehicles are to be inspected according to the procedures listed below using the Digital Battery System Analyzer no more than 48–hours prior to customer vehicle delivery.

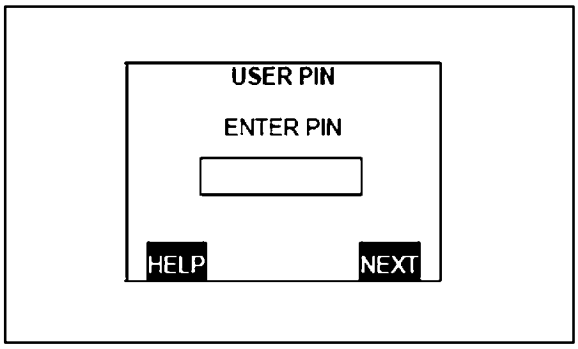
IMPORTANT NOTE FOR HYBRID VEHICLES:
The Digital Battery System Analyzer (SST P/N 00002–V8150–KIT) is to be used ONLY on the AUXILIARY (12 volt) battery in hybrid vehicles.

1. Connect test clamps to battery. (If analyzer does NOT power up automatically, press the **POWER** button.)
2. Select the correct **USER ID** (if applicable) and press the **NEXT** soft key.



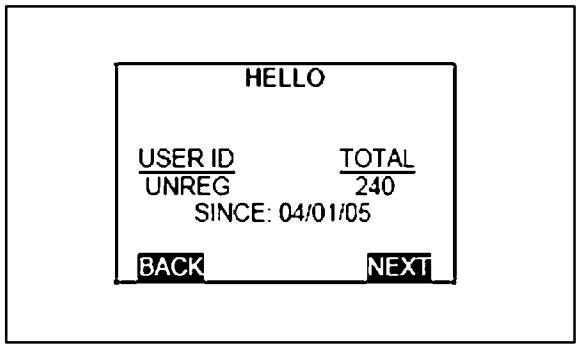
3. Enter password (if applicable) and press the **NEXT** soft key.

NOTE:
For details on defining USER ID or PIN, refer to the NVS–8150 Instruction Manual.

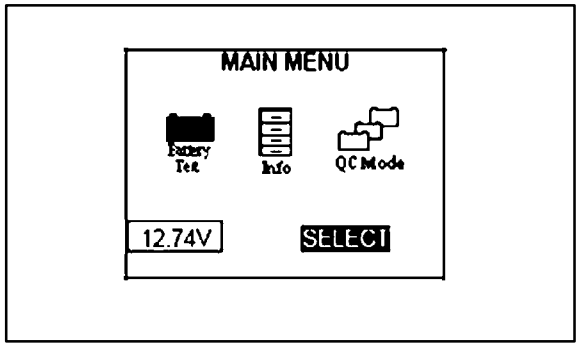


Battery Inspection Procedure (Continued)

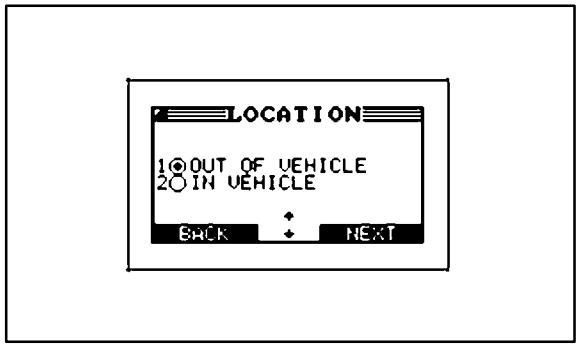
4. Press the **NEXT** soft key (if applicable) when the **HELLO** screen appears to proceed to the Main Menu.



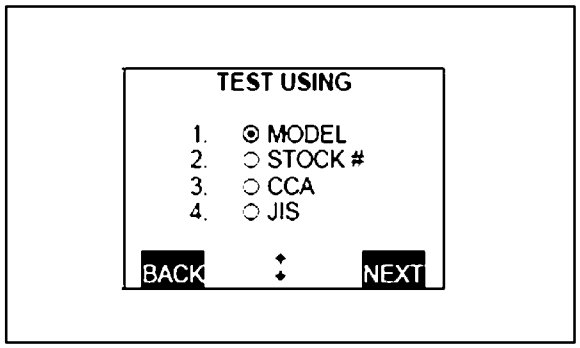
5. Choose **BATTERY TEST** and press the **SELECT** soft key.



6. Select **IN VEHICLE** and press the **NEXT** soft key.

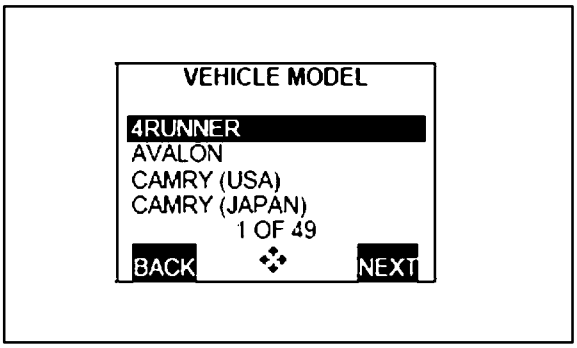


7. Select **MODEL** and press the **NEXT** soft key.

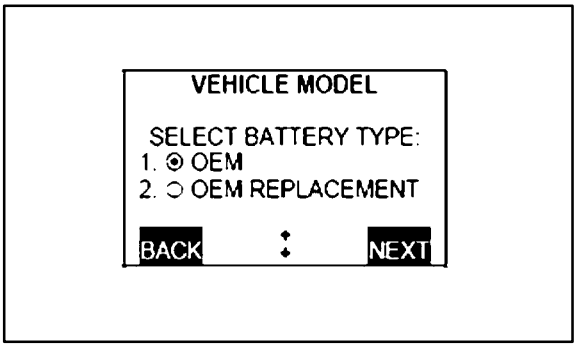


Battery Inspection Procedure (Continued)

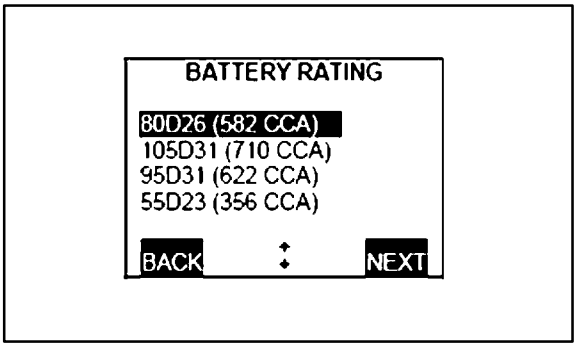
8. Proceed to the appropriate model and press the **NEXT** soft key.



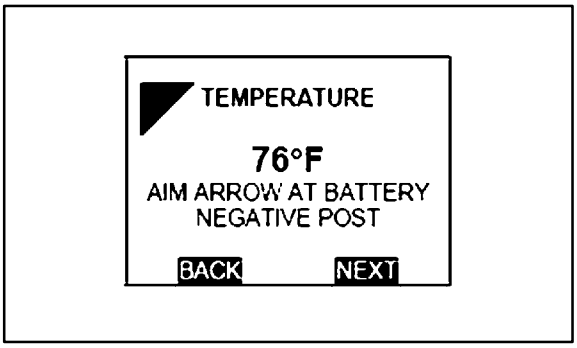
9. Select **OEM** battery type and press the **NEXT** soft key.



10. Choose the correct battery (model number) and press the **NEXT** soft key.

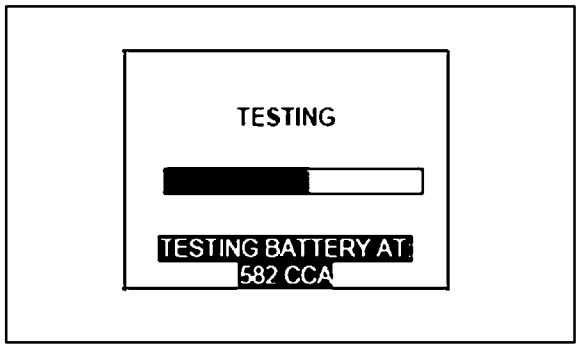


11. Aim the **IR** temperature measurement sensor at the negative (–) battery post and press the **NEXT** soft key.

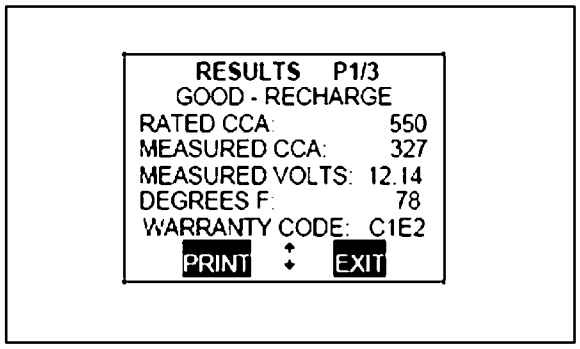


Battery Inspection Procedure (Continued)

12. The battery is now being tested. The progress bar fills in across the screen while testing.



13. Read or print the battery test results (press the **PRINT** soft key to print).



Battery Service Procedure

Once the test completes, proceed with 1 of the 5 procedures below according to the **BATTERY CONDITION** results.

1. **Battery Condition: “GOOD BATTERY”**

   Return the battery to service.

2. **Battery Condition: “GOOD–RECHARGE”**

   Fully charge the battery and return it to service.

3. **Battery Condition: “CHARGE & RETEST”**

   Fully charge the battery and retest.

NOTE:
Failure to fully charge the battery before retesting may cause false readings.

4. **Battery Condition: “REPLACE BATTERY”**

   Replace the Battery.

NOTE:
A REPLACE BATTERY result may also mean a poor connection between the battery cables and the battery. Retest the battery using the out–of–vehicle test before replacing it.

Battery Service Procedure (Continued)

5. Battery Condition: "BAD CELL–REPLACE"

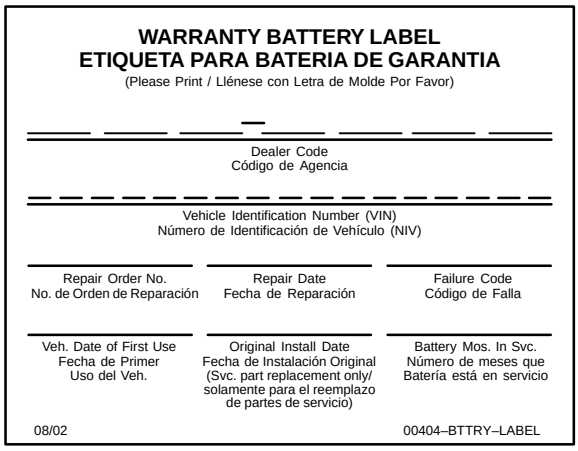
Replace the battery. The decision indicates a bad cell within the battery.

CAUTION:

If "FROZEN BATTERY" is displayed as the test result, allow the battery to reach a temperature of 40° F (4° C) before retesting.
NEVER CHARGE A FROZEN BATTERY. GASES MAY FORM, CRACKING THE CASE AND CAUSING BATTERY ACID TO LEAK.

Battery Replacement

If a vehicle battery needs to be replaced for a warrantable condition, complete a Warranty Battery Label and affix it to the failed battery for proper warranty parts and claim processing. **Include the Vehicle Identification Number (VIN) and warranty code on the Warranty Battery Label.**



WARRANTY BATTERY LABEL
ETIQUETA PARA BATERIA DE GARANTIA
(Please Print / Llénese con Letra de Molde Por Favor)

Dealer Code
Código de Agencia

Vehicle Identification Number (VIN)
Número de Identificación de Vehículo (NIV)

Repair Order No. No. de Orden de Reparación	Repair Date Fecha de Reparación	Failure Code Código de Falla
Veh. Date of First Use Fecha de Primer Uso del Veh.	Original Install Date Fecha de Instalación Original (Svc. part replacement only/ solamente para el reemplazo de partes de servicio)	Battery Mos. In Svc. Número de meses que Batería está en servicio

08/02 00404–BTTRY–LABEL

Battery Maintenance

Recommended Battery Maintenance:

In addition to this new pre–delivery battery test, a monthly battery inspection is still required for stored vehicles. If your dealership is located in an area subject to extreme temperatures (hot or cold), periodic maintenance may need to be performed more frequently.

To reduce parasitic battery drain on vehicles in storage for one week or more, the negative (–) battery cable should always be disconnected to reduce battery discharge. When the negative (–) battery cable is reconnected, please check and reset electrical components, such as the clock, radio, etc.