

Battery Maintenance for In-Stock Vehicles

Service Category Power Source/Network

Section Battery/Charging

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2013 – 2016	4Runner, Avalon, Avalon HV, Camry, Camry HV, Corolla, FJ Cruiser, Highlander, Highlander HV, Land Cruiser, Matrix, Prius, Prius C, Prius PHV, Prius V, RAV4, RAV4 EV, RAV4 HV, Sequoia, Sienna, Tacoma, Tundra, Venza, Yaris	

Introduction

While a vehicle is in inventory, the battery is subject to conditions that can reduce its performance and life. Batteries can become discharged due to an extended storage period, temperature, parasitic drain, or while demonstrating vehicle features and benefits in the sales process. Battery inspection and maintenance are required in order to ensure proper operation and optimal battery life.

As described in this bulletin, operating the engine for 30 minutes after 60 days in storage and every 30 days thereafter will help to maintain battery State of Charge (SOC). This process supplements other movements of the vehicle as it is staged, and has specific restrictions on how maintenance is to be done. Also described in this bulletin are 2 other approved methods for maintaining battery State of Charge.

Warranty Information

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

Battery Maintenance for In-Stock Vehicles

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	00002-MCGR8	1
Digital Battery System Analyzer and Printer*	00002-V8150-KIT	1

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

* Essential SST.

Recommended Battery Maintenance Procedures

In addition to the Pre-Delivery Service battery test, a monthly battery inspection is 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.

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 dealership'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.

NOTE

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 with the GR8 Battery Diagnostic Station, if necessary, within 48 hours of delivery to customers.

Method 1: Starting Engine

Under this method, vehicles are started after 60 days in inventory, and then every 30 days after that.

CAUTION

Be sure to secure the vehicle and consider if the vehicle's location is safe to perform this process. It may be necessary to relocate the vehicle and monitor it to ensure safety.

Overview of Method 1:

- Car arrives at dealership.
- Car is in inventory for 60 days. Run engine for 30 minutes with all accessories off.
- At 30-day intervals, continue to start and run engine for 30 minutes, with all accessories off, until car is sold and delivered.

Battery Maintenance for In-Stock Vehicles

Recommended Battery Maintenance Procedures

Method 1: Starting Engine (Continued)

NOTE

- Even if the vehicle has been moved or “staged” around while in inventory, this procedure still applies. The storage age should consider time spent at your dealership, and in addition, time spent at a different dealership for dealer trades.
- This procedure and Service Bulletin should be shared with the sales department, as at most dealerships the sales department is responsible for the vehicles.

1. Is the vehicle’s age in inventory equal to or at least 60 days, or has 30 days elapsed since the first time it was run (at 60 days)?
 - **YES** — Continue to step 2.
 - **NO** — Monitor the vehicle’s age until it equals 60 days initial age in inventory, or 30-day intervals after that, then proceed to step 2.
2. Attempt to start the vehicle.
 - If the vehicle starts normally and does not indicate signs of a discharged battery, then turn OFF all accessories and power draws and proceed to step 3.
 - If the vehicle exhibits signs of discharged battery or slow crank, go to step 4. Otherwise, go to step 3.

NOTE

This step should be repeated every 30 days after the initial 60 days until the vehicle is sold and delivered.

Example of Starting Schedule:

DAYS ON LOT	PROCEDURE
60	Run engine 30 minutes
90	Run engine 30 minutes
120	Run engine 30 minutes
150	Run engine 30 minutes
180	Run engine 30 minutes

Battery Maintenance for In-Stock Vehicles

Recommended Battery Maintenance Procedures

Method 1: Starting Engine (Continued)

3. Run the vehicle's engine for 30 minutes with accessories OFF, then turn the engine OFF.
 - A. Note any vehicle concerns.
 - B. Report vehicle concerns to the appropriate person or department.
 - C. After 30 days have elapsed, repeat step 2.

NOTE

Step 2 should be repeated every 30 days after the initial 60 days until the vehicle is sold and delivered.

4. If the vehicle exhibits slow crank, no crank, or has other signs of depleted battery, proceed to the GR8 Charging/Diagnostic menu to charge/test the battery. For more information, refer to Service Bulletin No. [PG001-06](#), "Battery Maintenance for In-Stock Vehicles & Pre-Delivery."

Method 2: GR8 Battery Diagnostic Station

Following the same schedule as Method 1, substitute utilizing the GR8 Battery Diagnostic Station to charge the battery instead of starting the engine at the same intervals.

NOTE

Using the GR8 Battery Diagnostic Station can reduce time spent charging the battery, and does not result in fuel consumption.

Method 3: Disconnect Battery

To reduce parasitic battery drain on vehicles in inventory for one week or more, disconnect the negative (–) battery cable to reduce battery discharge.

When the negative (–) battery cable is reconnected, check and reset electrical components, such as the clock, radio, etc., and re-initialize all applicable systems/functions.