UTILITY 6-VOLT BATTERY TEST SHEET

Date of Test _____
Customer _____
Location _____
Dealer/Distributor _____
Tested By _____
Car Decal # _____
Customer Complaint _____

Vehicle Type _____
Car Serial # _____
Charger Type _____
Battery Date Code _____
Rounds _____
#Energy Units _____
CDM FUNC.2_____ FUNC.3_____ FUNC 4_____

Battery Posts	Wiring	Fluid Levels	Battery Case	Mounting	Cleanliness
❑ Good	❑ Good	❑ Good	❑ Good	❑ Secure	❑ Fair
❑ Rust/Corroded	❑ Rust/Corroded	❑ Overfilled	❑ Cracked	❑ Loose	❑ Good
❑ Broken	❑ Broken/Loose	❑ Low	❑ Punctured	❑ Out of Position	❑ Poor
❑ Overtorqued	❑ Overtorqued	❑ Below Plates*			

*(Fill and recharge prior to testing, then proceed to Discharge Test)

Electric Accessories: No _____ Yes _____ List All _____
Single Point Watering System: No _____ Yes _____
Other Comments: _____

BATTERY TEST PROCESS

1. **Fully Charge Batteries** Make Sure Terminals are Torqued to Specification. (Disconnect and reconnect the DC plug to restart charger, wait until voltage rises above 56, record voltage and current levels simultaneously. (Enter the value in X.X / XX.X format)

Charger finish Amps		On-Charge Set Voltage	

❑ Charger finish amps below 6 amps and on-charge set voltage above 56 volts, Proceed to Hydrometer Test.
❑ All other readings, check the battery charger for proper output and recharge the batteries, Repeat Fully Charge Batteries Test.
❑ If after repeated attempts. the charger does not fall below 6 amps and over 56 volts. record the test values as measured and proceed to the Hydrometer Test.

2. **On-Charge Voltage Test** (DISCONTINUED. Enter "1" in each position in Tavant system)

Proceed to the Hydrometer Test.

3. **Hydrometer Test** (Record specific gravity (SG) readings for all battery cells. If water level is insufficient to obtain a valid reading, add water, recharge and proceed to Test 4. If SG is lower than the minimum reading on the hydrometer, record "Low SG", do not record "0". Do not use decimal point when submitting in Tavant system)

Battery Position	#1	#2	#3	#4	#5	#6	#7	#8
Spec Grav - Pos Cell								
Spec Grav - Ctr Cell								
Spec Grav - Neg Cell								
Electrolyte Temp								

❑ Entire battery set with specific gravity readings below 1250, batteries are undercharged. Recharge Batteries, then repeat test.
(If all specific gravity readings are still below 1250 after recharge, the batteries are not warrantable.)
❑ Any single battery with specific gravity of 1140 or less, Replace battery.
❑ Any single battery with specific gravity variation of MORE THAN **50** points between cells, Replace battery.

All other specific gravity readings, Proceed to Discharge Test.

4. **Discharge Test - 42.0 Volts** | Electrolyte Temperature | | Discharge Minutes |

Battery Position	#1	#2	#3	#4	#5	#6	#7	#8
Voltage Under Load								

❑ Discharge time more than 60 minutes, problem not with batteries, Batteries Okay. Refer to the Discharge Time to Shut-Off Point table for temperature-corrected discharge times.
❑ Discharge time less than 60 minutes. Replace Batteries below 5.025 volts

IMPORTANT: PLEASE REFERENCE "BATTERY REGROUPING PROCESS FLOW" AND REGROUP Rev. F 05-12