



Technical Service Bulletin

GROUP	NUMBER
ENGINE ELECTRICAL	19-EE-006HG
DATE	MODEL(S)
JUNE 2019	G80 & G90

SUBJECT: DEALER BATTERY MAINTENANCE FOR PRE-DELIVERY (PDI) AND IN-STOCK VEHICLES

Description:

This bulletin provides information on performing battery maintenance for PDI and In-Stock vehicle inventory.

- **Dealers should inspect battery as part of the PDI within 7 days of vehicle arrival from Hyundai. This is the only time dealers are able to submit a battery warranty claim.** Warranty claims must contain valid printout ticket(s) from a Cadex Rapid RC Tester or Midtronics GR8 that includes warranty code(s) for CHARGE & RETEST and/or REPLACE BATTERY. **A Battery Tester check should be performed when the PDI Tablet App flags as No Good “NG” result during the AUTO CHECK function.**
- It is the dealer’s responsibility to ensure proper battery condition on all dealer stock vehicles, including offsite storage lots.
- Battery aged maintenance should be performed regularly in accordance to the **Dealer Vehicle Stock Battery Maintenance Schedule** procedures of **Page 2**.
- Perform battery maintenance per WebDCS “Aged Inventory - Bluelink Alerts” (TSB # 19-EE-004HG-1) notifications.
- Follow the **vehicle preparation tips on pages 6-7** to ensure all vehicles in dealer stock are prepared to have minimal parasitic current draw on the battery during storage.

Applicable Vehicles: 2017 ~ 2018 Model Year G80 & G90 Dealer Stock Vehicles.

Warranty Information:

Model	OP Code	Operation	OP Time	Causal Part #	Nature Code	Cause Code
ALL	37110A00	Battery Charging	0.3 M/H	00275-XXXXX	E21	ZZ3
	37110R00	Battery Replacement	Varies By Model			

NOTICE

This warranty is only applicable within 7 days of receiving vehicle. Excessive dealer battery claims may be subject to audit. As stated in the Warranty Policy and Procedures Manual, Section 2.3, Hyundai does not provide warranty coverage for discharged and/or failed batteries due to lack of dealer maintenance.

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Dealer Vehicle Stock Battery Maintenance Schedule:

Perform the following maintenance procedure in conjunction with the PDI App for PDI and/or Aged Maintenance.

Interval	Procedure	Warranty Claim
<p>Within 7 days of vehicle delivery to Dealer</p>	<p>Check Battery condition by Cadex or GR8 Battery Tester and per the result:</p> <ul style="list-style-type: none"> • GOOD BATTERY – No action required. • CHARGE & RETEST* - Use either option “A” or “B” below to charge the battery. <ul style="list-style-type: none"> A. Engine Idle with Headlights On** B. Automatic Regulated Battery Charger** • REPLACE BATTERY* - Replace Battery. 	<p>YES (Excluding Good Battery)</p> <p>Must attach the result ticket(s) for Before and After recharge</p>
<p>Every Month Stored in Storage Lot</p>	<p>Use either option “A” or “B” below to charge the battery:</p> <ul style="list-style-type: none"> A. Engine Idle with Headlights On** B. Automatic Regulated Battery Charger** 	<p>NO</p>
<p>At every 3 Months interval in the Storage Lot</p>	<p>Check Battery Health by Battery Tester and per result:</p> <ul style="list-style-type: none"> • GOOD BATTERY – Take picture of the battery tester result when prompted by the PDI App aged maintenance procedure. • CHARGE & RETEST - Use either option “A” or “B” below to charge the battery: <ul style="list-style-type: none"> A. Engine Idle with Headlights On** B. Automatic Regulated Battery Charger** • REPLACE BATTERY - Replace Battery. 	<p>NO</p>

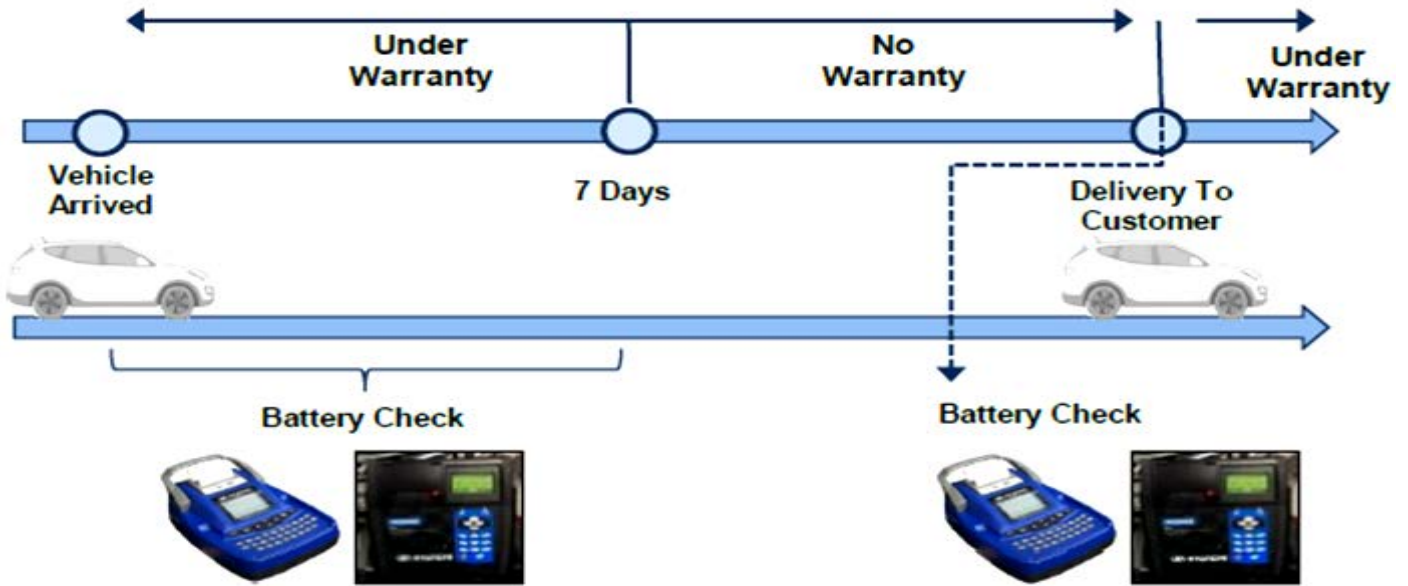
NOTES:

* Warranty claim must be submitted with a “Before” and an “After” testing/charging print out ticket(s) from either a Cadex or GR8.

** Charging time will depend on battery condition and vehicle model. After charging, check the battery again with a Hyundai approved battery tester. Battery test result must yield "Good Battery".

Vehicle Battery Inspection At Dealer:

Utilize either Cadex Rapid RC Tester or GR8 Battery Tester to check battery condition within 7 days from vehicle arrival. If the battery test result is “Charge & Retest” or “Replace Battery” in this initial check, the vehicle may qualify for a claim.



Warranty Claim Permissible with either of the following OP CODE:

- 37110A00 (Battery Charging)
- 37110R00 (Battery Replacement)

(Up to 7 days from vehicle arrival date)



Warranty Claim NOT permissible - Dealer is expected to follow vehicle storage preparation and battery maintenance schedule of this TSB to ensure good battery life.

NOTICE

Refer to TSB 18-EE-004 for Factory Installed and Replacement Battery Information. Be sure to select the correct type of battery (AGM or Flooded) when performing battery testing or charging.

Hyundai Approved Battery Testers for Warranty Claims Submission:




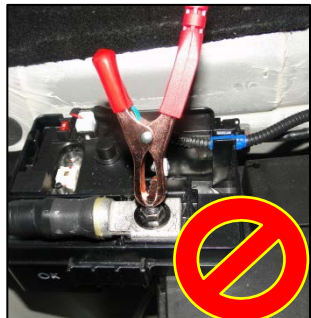
Refer to the TSB numbers below for operating procedures and warranty claims detail for each Tester which has its own different procedures:

Tester Name	Picture	Notes
<p>Cadex Rapid RC Battery Tester</p>		<ul style="list-style-type: none"> • Test in the “PDI/Stock/New Veh” test type only for new/in stock vehicle battery. • DO NOT use the “Customer Used Veh” test type. <p>See TSB 17-EE-003 (or newer TSB) for additional information.</p>
<p>Midtronics GR8 Battery Tester/Charger</p>		<ul style="list-style-type: none"> • Test only in the “Battery Test” mode for new vehicle testing. • DO NOT test in “Diagnostic Charge” mode. <p>See TSB 18-EE-003 (or newer TSB) for additional information.</p>


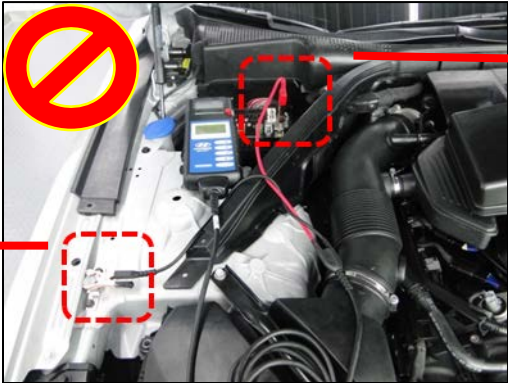
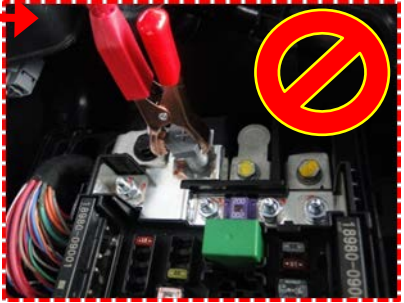
Important Instructions for Battery Tester Clamps Connection:

*** IMPORTANT**

- **Battery Test clamps or Charger clamps must be connected directly onto the battery posts. Do not connect to the jumper terminals in the engine compartment.**
- Improper connection may produce inaccurate test result. For example, test result could yield "Replace Battery" although the battery is in good condition.

PROPER CONNECTION		IMPROPER CONNECTION	
			


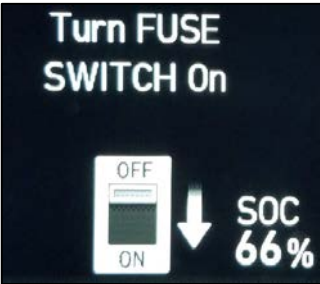


- In certain vehicles battery is located in the trunk. **DO NOT** connect battery tester clamps to remote jump start posts in the engine compartment.


		
Negative (-) Remote Jump Start Post	DO NOT test at the Under Hood Remote Jump Start Post	Positive (+) Remote Jump Start Post

NOTICE

A battery in a prolonged discharged state may adversely be damaged from internal plate sulphation. After jump starting the vehicle, take it to the Service Department and have the battery tested with an approved Hyundai battery tester or diagnostic charger. Take additional action based on the test results on Page 2.

Dealer Vehicle Stock Preparation:

Step	DESCRIPTION	PICTURE
<p>1.</p>	<p>The Power Fuse Switch (also known as Shipping Fuse) is located in the under dash fuse box.</p> <p>It is recommended to turn the Power Fuse Switch “OFF” when vehicles are in dealer stock to minimize vehicle current draw and reduce battery discharge.</p> <p>When the Power Fuse Switch is “OFF”, the following conditions occur to reduce current draw from the battery.</p> <ul style="list-style-type: none"> • Power door lock/unlock function is disabled. • Some exterior and interior lights are disabled. • Vehicle continuous panic alarm function will not work, only a single beep will occur when the keyless remote panic button is pressed. • Some other convenient features may be disabled. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="background-color: blue; color: white; display: inline-block; padding: 2px 5px;">NOTICE</p> <p>A reminder message will appear on the instrument cluster if the vehicle is driven with Power Fuse Switch turned “OFF”. There is no drivability symptoms associated with the Power Fuse Switch in the “OFF” position.</p> </div>	<p>Power Fuse Switch turned OFF at vehicle storage which helps prevent battery discharge.</p>  <p>Instrument Cluster Warning Reminder to turn Power Fuse “ON” during test drive or customer delivery.</p> 
<p>2.</p>	<p>Close the glove box firmly.</p>	
<p>3.</p>	<p>Ensure all doors are closed (including hood, trunk, tail gate, and fuel filler door).</p>	

<p>4.</p>	<p>Ensure that all interior and exterior lights are turned “OFF”.</p>	
<p>5.</p>	<p>Ensure the IGN switch is in the “OFF” position and key is removed from key cylinder. Ensure the Start Stop Button is turned “OFF”.</p>	