



HYUNDAI

Technical Service Bulletin

GROUP Engine Electrical	NUMBER 20-EE-005H
DATE March, 2020	MODEL(S) Santa Fe (TM), Palisade (LX2), Sonata (DN8)

SUBJECT: BATTERY DARK CURRENT CONTROL SETTING




Description: Hyundai vehicles are equipped with Dark Current Control logic to help reduce amperage draw amount and conserve Battery State of Charge (SOC%). A selected Dark Current Control Mode will function when the vehicle is in the key off state, and will not affect vehicle functionality or performance.

This TSB outlines the procedure to change the Dark Current Control Mode using the vehicle User Setting Mode (USM) or GDS Mobile.

Hyundai highly recommends storing dealer stock vehicles in Dealer Mode, and then setting the vehicle to Customer Mode when it is retailed and delivered to the customer.

Applicable Vehicles: 2019MY and newer Santa Fe (TM)
2020MY and newer Palisade (LX2)
2020MY and newer Sonata (DN8)

Example only, display varies by model and trim

		
<p>Factory Mode</p> <ul style="list-style-type: none"> Factory only Displays battery SOC Lowest dark current draw 	<p>Dealer/Shipping Mode</p> <ul style="list-style-type: none"> When the vehicle is shipped to the dealer Displays battery SOC Mid-level dark current draw Recommended mode for dealer stock 	<p>Customer Mode (Standard Vehicle Mode)</p> <ul style="list-style-type: none"> When delivered to the customer Battery SOC does not display Retailed vehicle normal operation mode

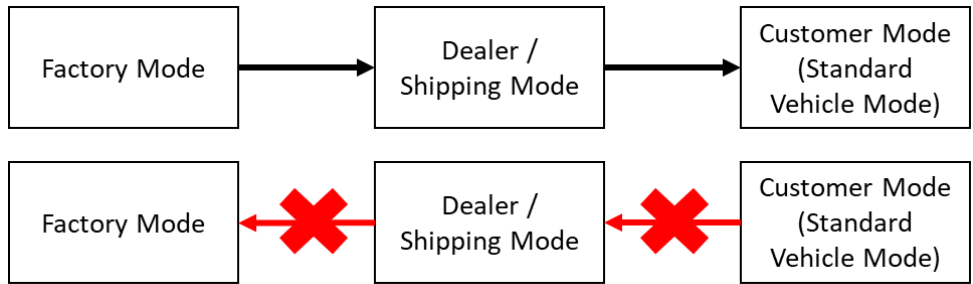
NOTICE

Factory or Dealer/Shipping Mode automatically switches to Customer Mode when the odometer reaches 372miles (600km).

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

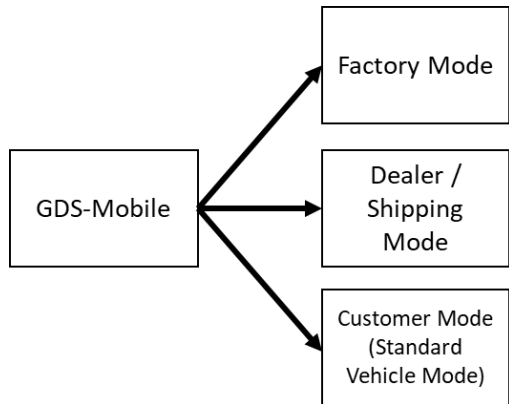
User Setting Mode (USM):

Dark Current Control Modes setting flow in the specified order.



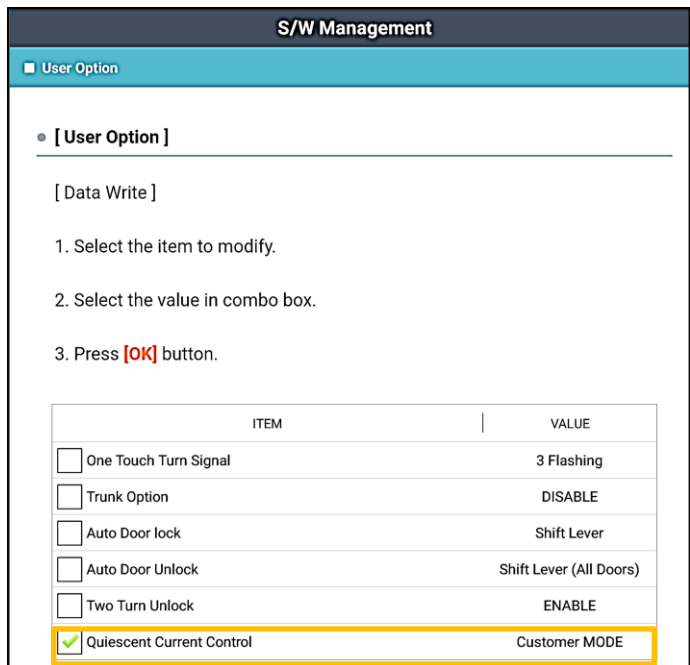
GDS-Mobile

Dark Current Control Modes can be accessed in any order.



NOTICE

For certain models and model years, Dark Current Control may also be called Quiescent Current Control.



Service Procedure:

A. Using USM to Change Dark Current Control Modes.

1. To change the Dark Current Control Mode using the vehicle USM, hold down the OK button on the steering wheel.

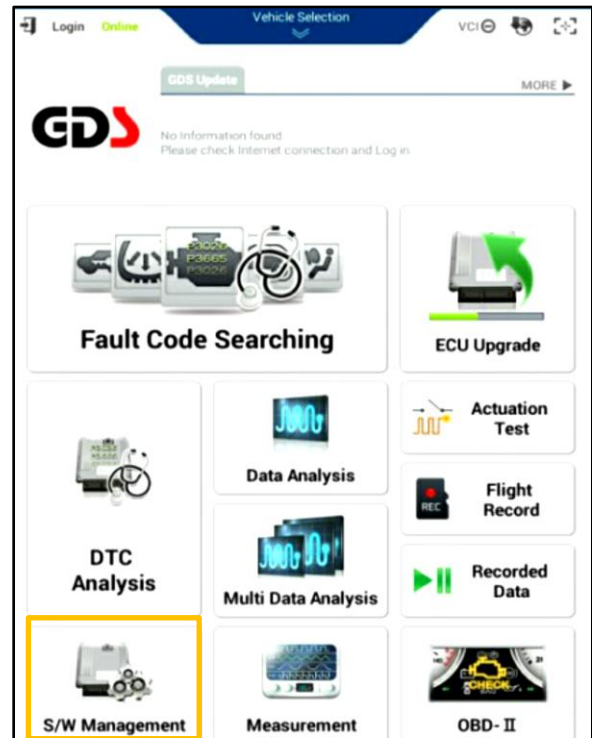


The vehicle cluster will indicate the updated Dark Current Control Mode.

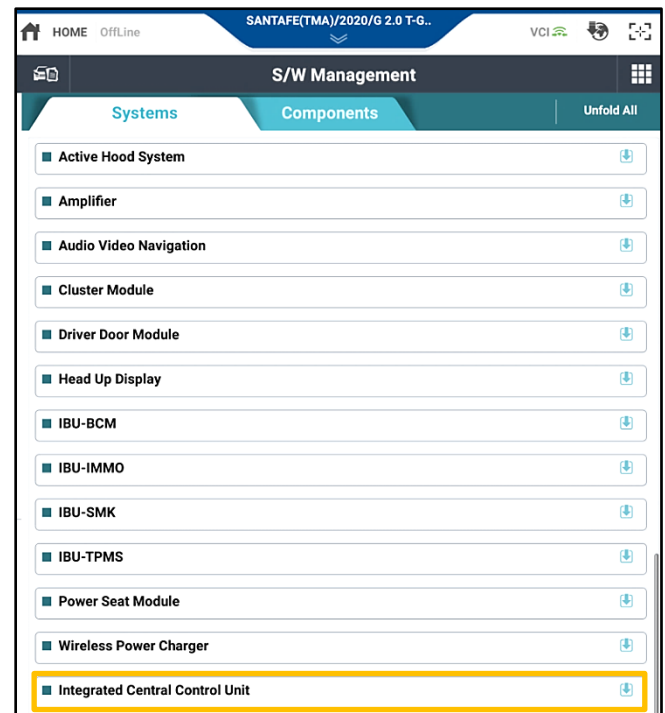


B. Using GDS Mobile to Select Dark Current Control Mode

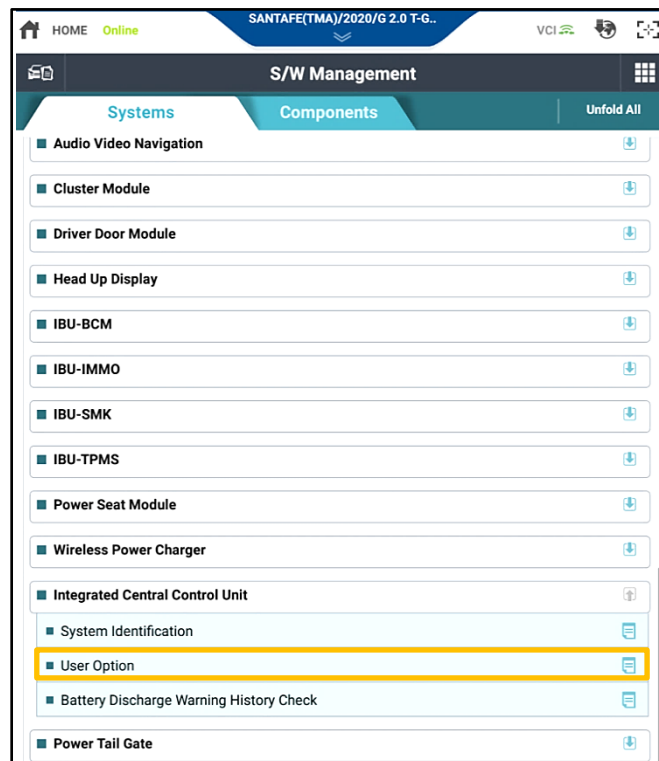
1. Turn the vehicle ignition key or press the Start/Stop Button to the ON position.
2. Connect the wireless VCI to the vehicle DLC located under the driver's side dash.
3. Access the Hyundai GDS-Mobile tablet.
4. Select **S/W Management**.



5. If applicable, confirm the vehicle Information.
6. Select **Integrated Central Control Unit** from the Systems list.

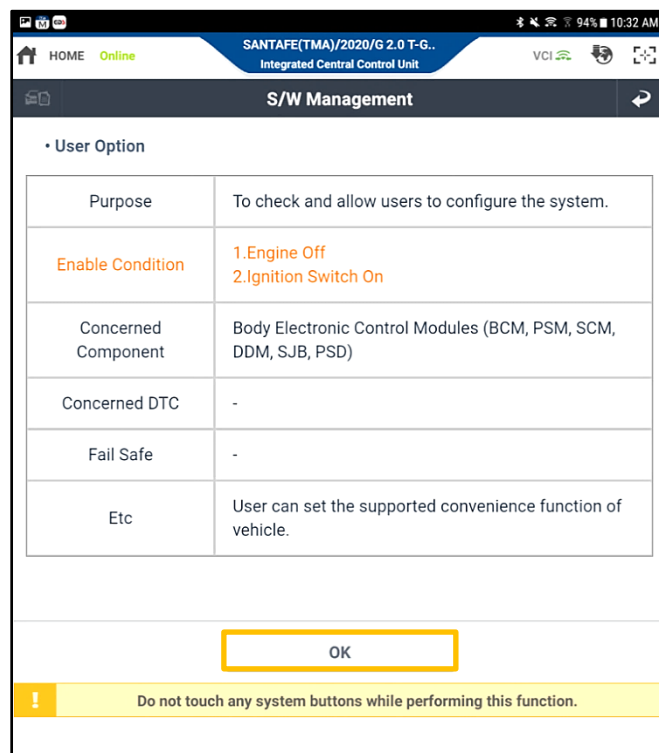


7. Select **User Option**.

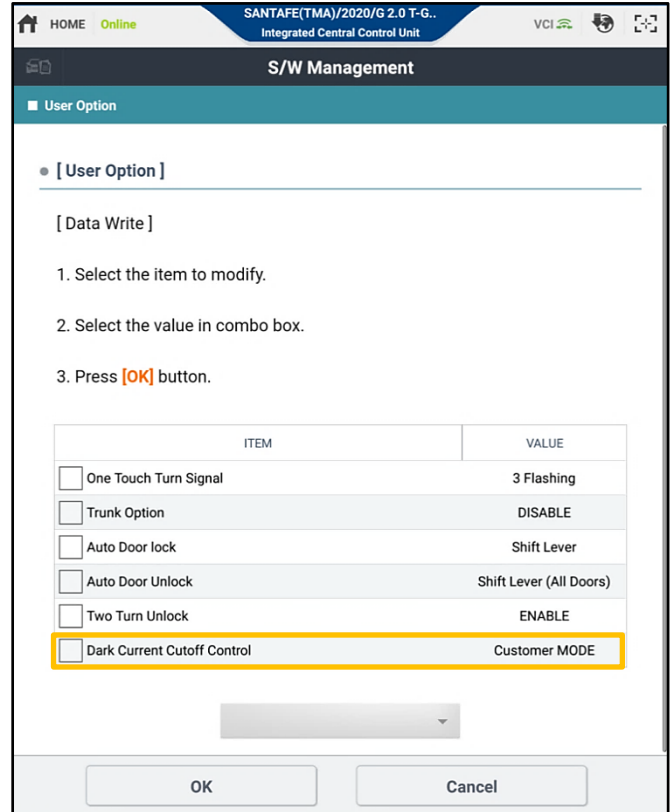


8. The User Option Information Table will appear.

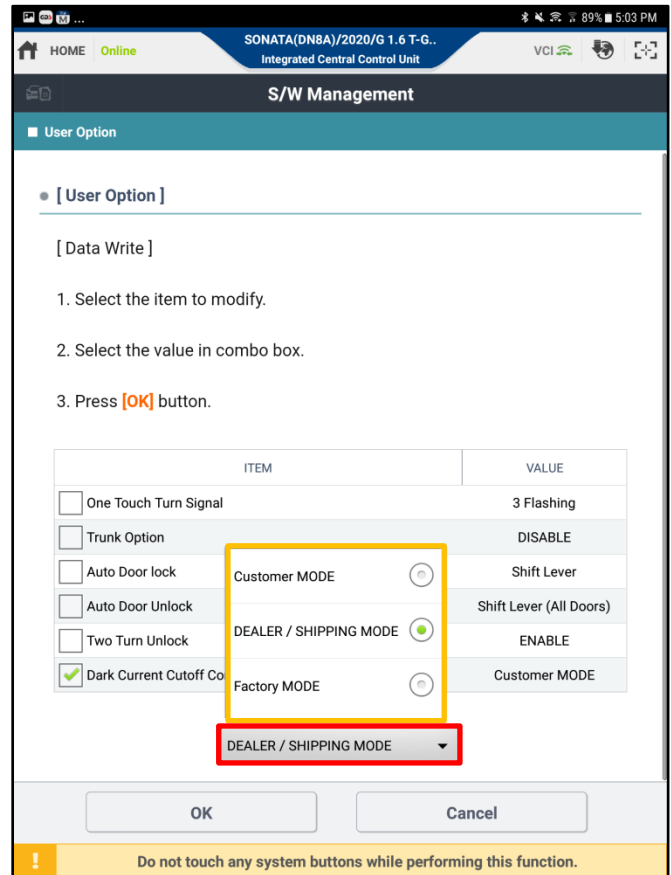
Select **OK** to access the [Data Write] checklist.



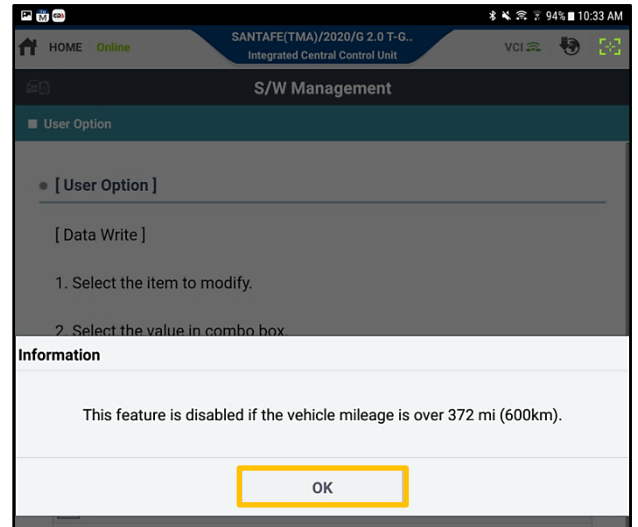
9. The [Data Write] checklist will appear.
 Select the **Dark Current Control** checkbox.



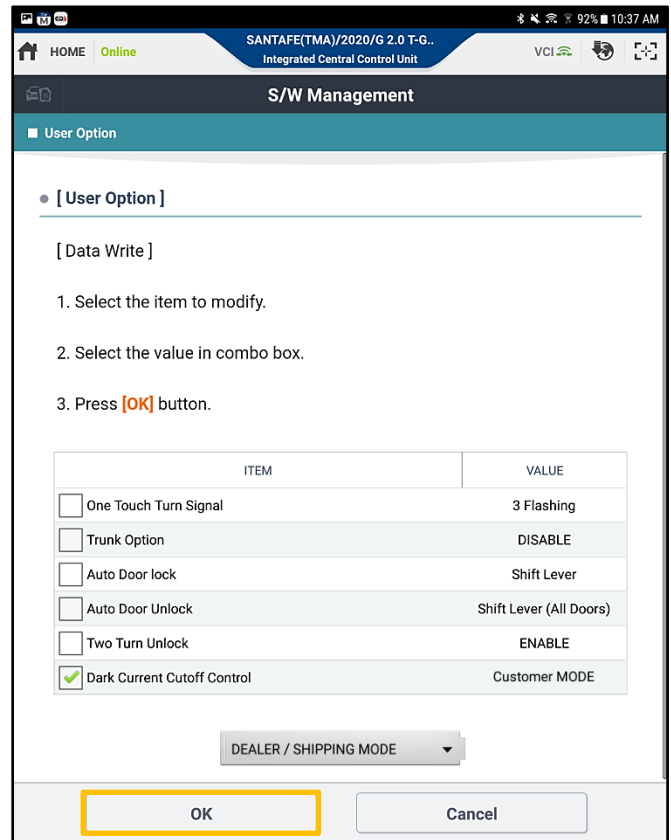
10. Select the applicable **Dark Current Control Mode** from the drop-down list.



11. After making a selection from the drop down menu, an **Information** message will appear.
Select **OK**.



12. Press **OK** to format the vehicle to the selected Dark Current Control Mode.



13. Upon pressing OK, the vehicle cluster will automatically shift to the selected Dark Current Control Mode.



14. Press cancel to complete the setting.

