



Technical Service Bulletin

GROUP RECALL	NUMBER 13-01-033-1
DATE AUGUST 2013	MODEL(S) Azera (HG)

SUBJECT: AZERA PODS UPDATE (RECALL 111)

★ IMPORTANT

***** Dealer Stock and Retailed *****

As required by federal law, dealers must not deliver new vehicles for sale or for lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used vehicles, demo and rental vehicles prior to placing them into customer use and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the service department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description: This bulletin describes the service procedure to update or replace the PODS (Passive Occupant Detection System).

Applicable Vehicles: 2012-13 Model Year Azera

Applicable Production Date Range: May 22, 2012 through Nov. 23, 2012

WARRANTY INFORMATION

MODEL	OP CODE	OP NAME	OP TIME
Azera (HG)	31C035R0	PODS UPDATE ONLY	0.3 M/H
Azera (HG)	31C035R1	PODS REPLACEMENT with RESET	0.5 M/H

NOTE: Submit claim using the Campaign Claim Entry Screen.

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

Parts Information

PART NAME	PART NUMBER		REMARK
	PREVIOUS	NEW	
ODU (PODS)			Replace PODS ODU only if “PODS capacitor range” is more than 1%, then reset the PODS. (Refer to “PODS ODU SOFTWARE UPDATE”).
	88952-3V500	88952-3V600-QQH	

★ NOTE

Verify the vehicle is affected by checking the version of the vehicle’s control unit ROM ID with the ROM ID Information Table below before attempting to update the control unit software.

ROM ID Information Table

Model	ODU (PODS) P/N		ROM ID	
	Previous	Replacement	Previous	New
AZERA (HG)	88952-3V500	88952-3V600-QQH	6825XXXX	BCBA1381



CAUTION

Before the PODS update!

- ❖ Operate the seat warmer for at least 2 minutes at maximum heating level.
- ❖ The passenger seat must be completely empty with nothing resting on the cushion at all stages of the PODS update or PODS reset.
- ❖ Write down or save all customer radio presets.

★ NOTE

Before the update begins, the GDS will check “PODS capacitor range”.

- ❖ If the “PODS capacitor range” is more than 1%, the warning message, “Replace the PODS and perform PODS Reset function of Vehicle S/W management” will be displayed on the GDS.
- ❖ If the message is shown, replace the PODS and perform “PODS Reset” by using Vehicle S/W management function described in the “PODS REPLACEMENT” (step 24).
- ❖ If “PODS capacitor range” is within 1%, there will be no warning message and the PODS software will be automatically updated.

AZERA PODS UPDATE SERVICE PROCEDURE



CAUTION

During PODS Update

- ❖ Make sure that the vehicle's battery has a reasonable charge. If the vehicle has been in storage for days, run the engine to ensure an adequate state of battery charge before starting this update.
- ❖ Turn off all lamps and accessories (Do not leave the head lamp switch in auto mode).
- ❖ The heater; A/C, blower, radio, seat warmer, defroster should be off to prevent the battery from being discharged during the update.
- ❖ Perform the update with the ignition switch in the **ON** position.
- ❖ Be careful not to disconnect any cables connected to the vehicle or GDS during the update.
- ❖ Do not start the engine during update.
- ❖ Do not turn change the ignition state during update.

1) GDS INSTALLATION PROCEDURE

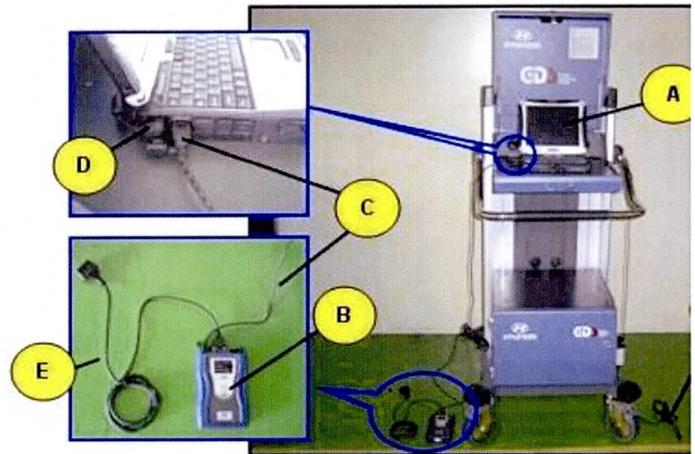
A: Diagnostic terminal (GDS)

B: VCI (Vehicle Communication Interface)

C: USB (Universal Serial Bus) cable

D: Power supply cable

E: DLC cable



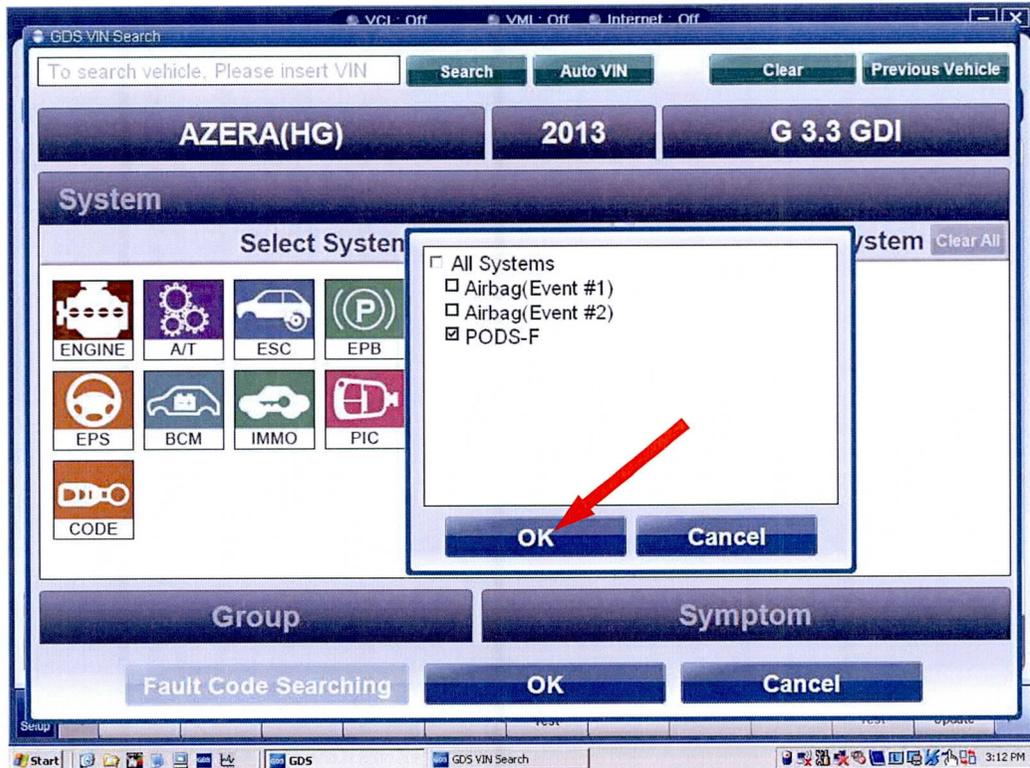
- 2) Connect the power supply cable to the diagnostic terminal (GDS).

* NOTE

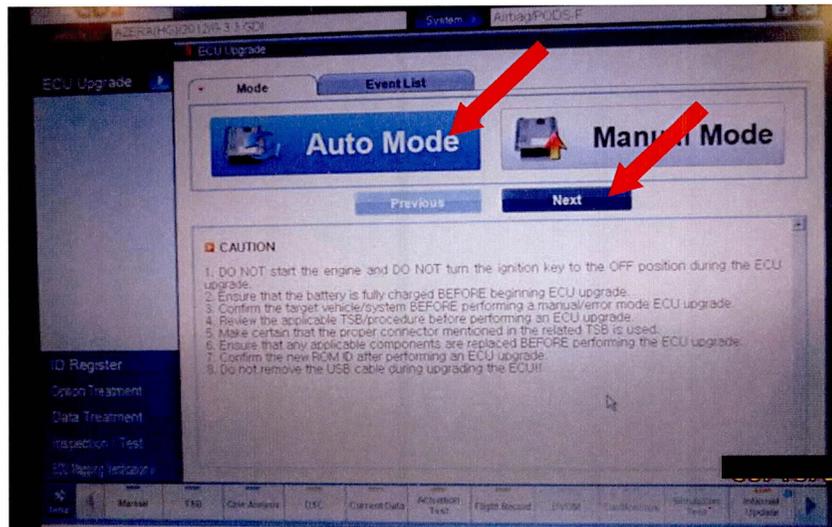
If attempting to perform the update with the power supply cable disconnected from the GDS, make certain that the GDS battery is charged to at least 80%. If GDS power is lost during the update, the update will fail and the ODU could become damaged. Therefore, it is strongly recommended to connect the power supply cable to the GDS during the update procedure.

- 3) Connect the USB cable between the VCI and the GDS.

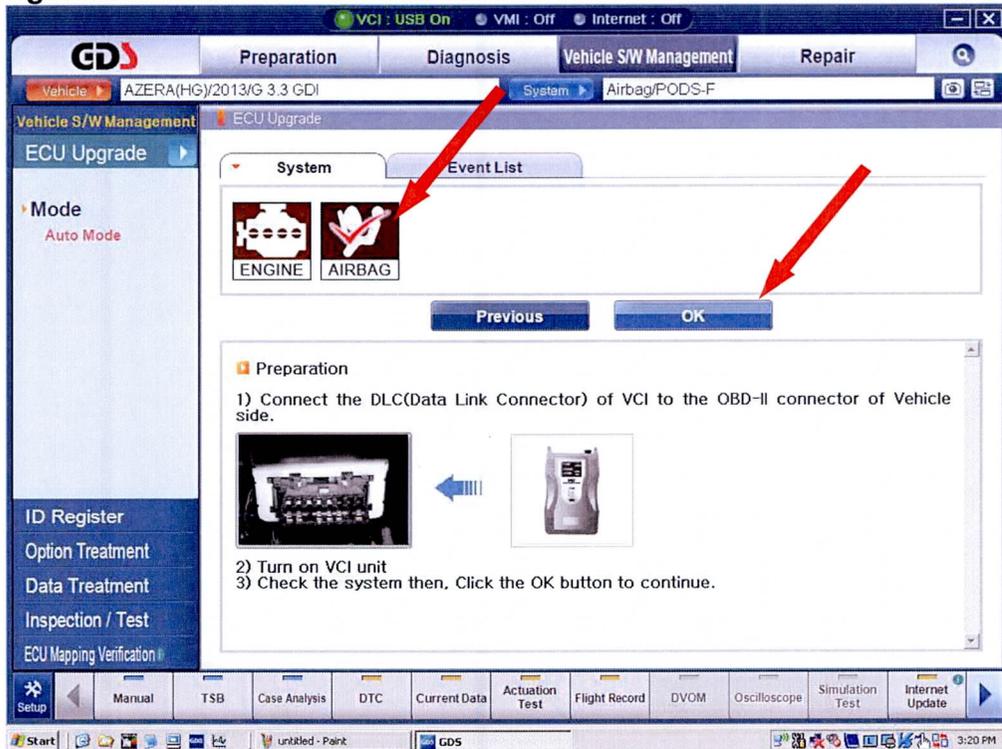
- 6) Select **AIRBAG** from the Select System screen and then select the check box for **PODS-F** and click **OK** to continue to step (7).



- 7) Select **Auto Mode** from the ECU Upgrade mode screen then click **Next**.

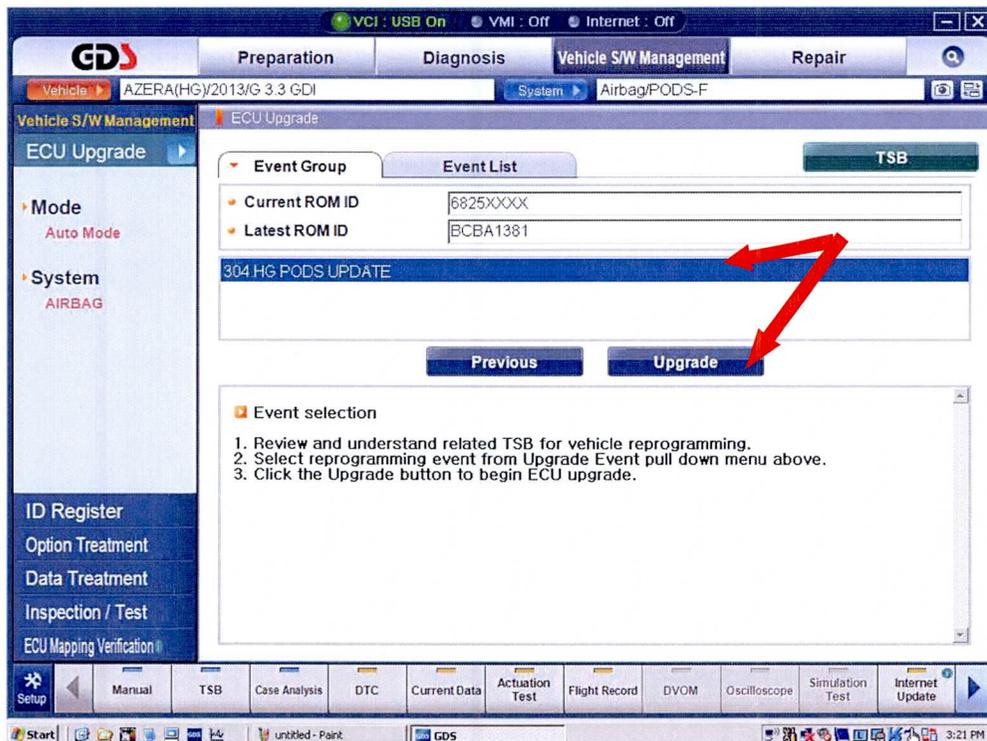


8) Select **Airbag** then click ok.



9) The ROM ID is read and the current ID and the Latest ID will be shown in the Event Group screen.

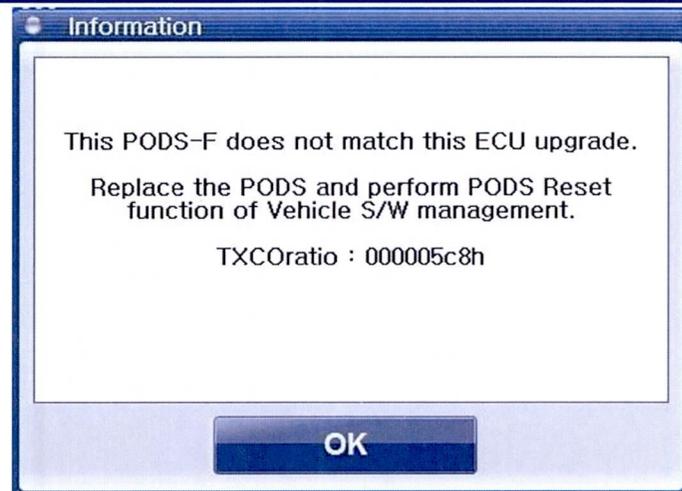
10) Click **304.HG.PODS UPDATE** then click the **Upgrade** button.



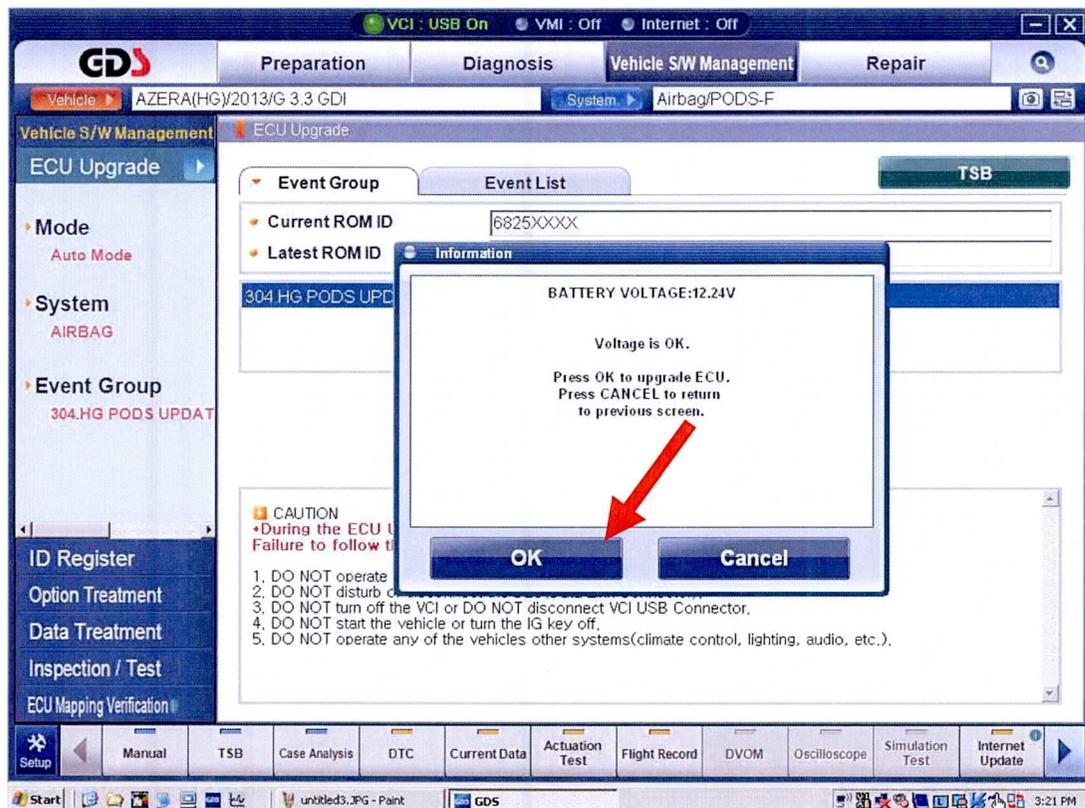
* NOTE

If the PODS Capacitor range is greater than or equal to 1% the message shown to the right will be displayed.

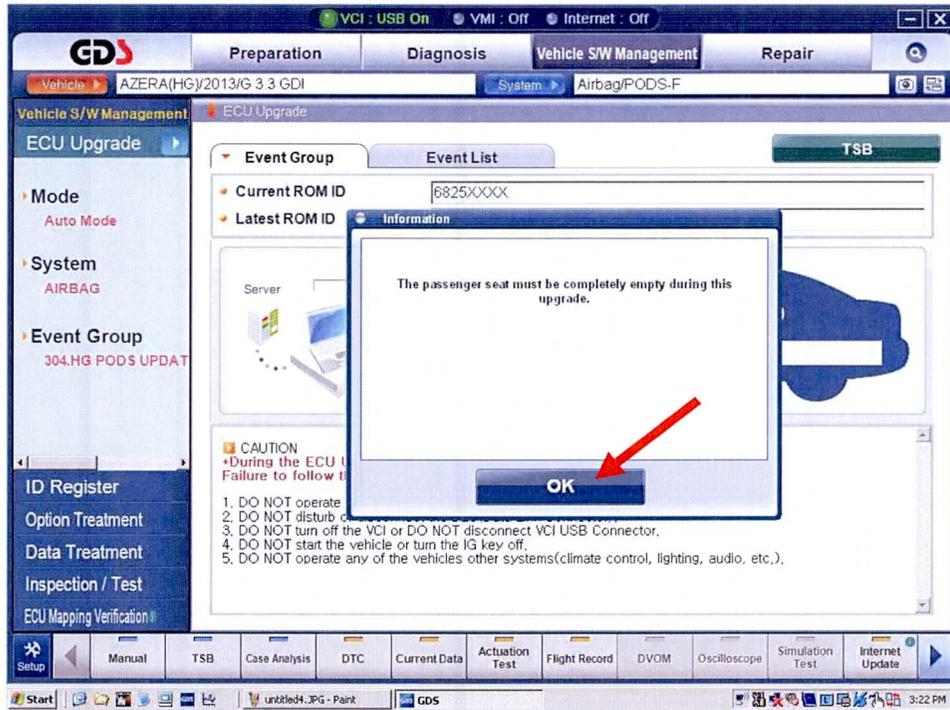
Go to procedure (24), **PODS Replacement Procedure**. Update is not needed.



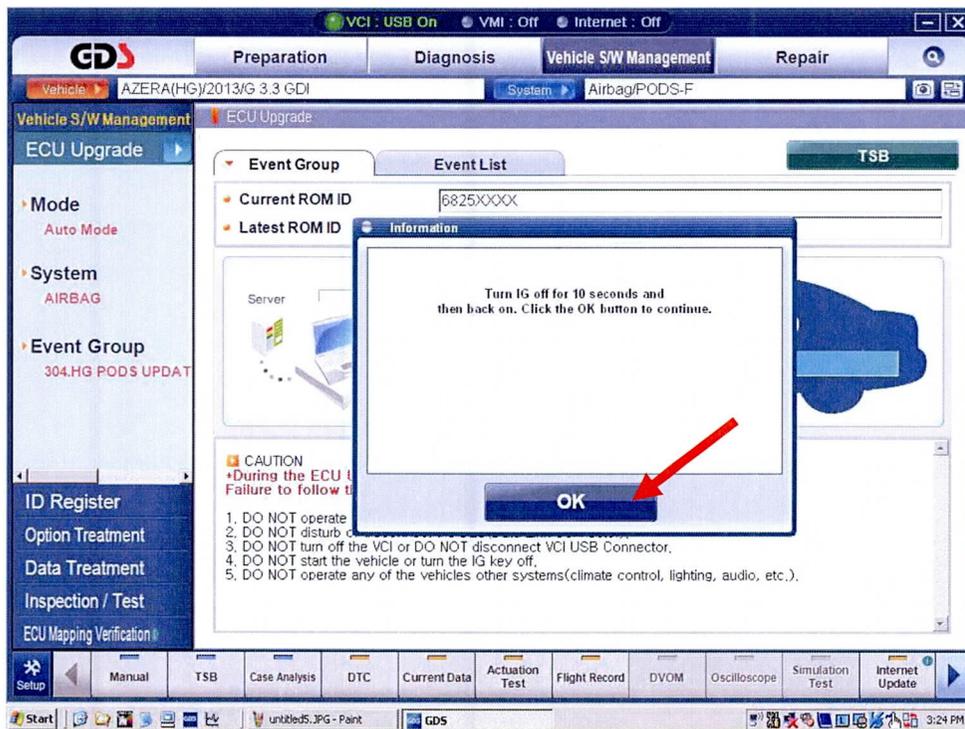
- 11) If the PODS capacitor range and the 12 volt battery state of charge are acceptable the following message will be shown before the update begins, click OK to proceed.



- 12) The prompt to verify that the passenger seat is empty is shown before the update begins.



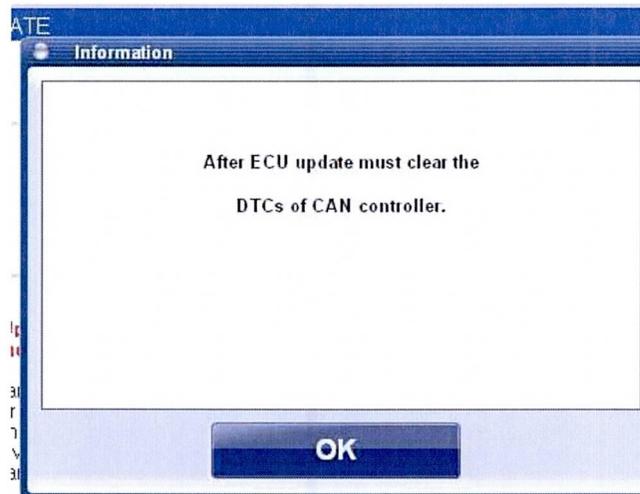
- 13) After the progress bar reaches 100% the following message is shown. To complete the update, toggle the ignition state to OFF for 10 seconds then toggle it back to the ON position and click the OK button.



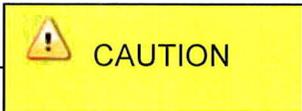
- 14) After ignition **ON** and the OK button is clicked, the success message below is shown.



- 15) Clear all DTC's, then end the Service Procedure here.



PODS UPGRADE PROCEDURE (Manual Mode)

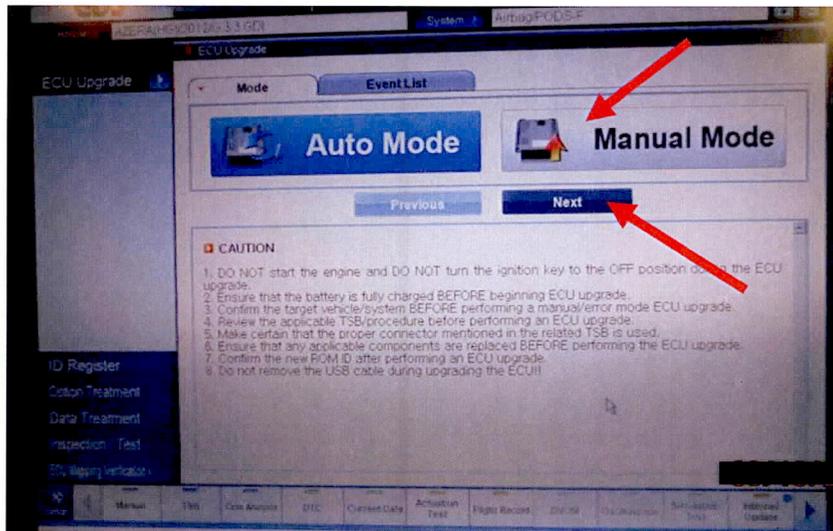


CAUTION

Manual update should only be performed if Auto Mode fails.

- ❖ If Auto Mode update fails, turn the ignition key OFF for about 10 seconds, then turn it back to the ON position to reset the control unit before performing the manual upgrade.
- ❖ The passenger seat must be completely empty with nothing resting on the cushion at all stages of the PODS update or PODS reset.

16) To complete the Manual Mode update, do procedure 1-7 then select **Manual Mode** on the ECU Upgrade screen then click Next.



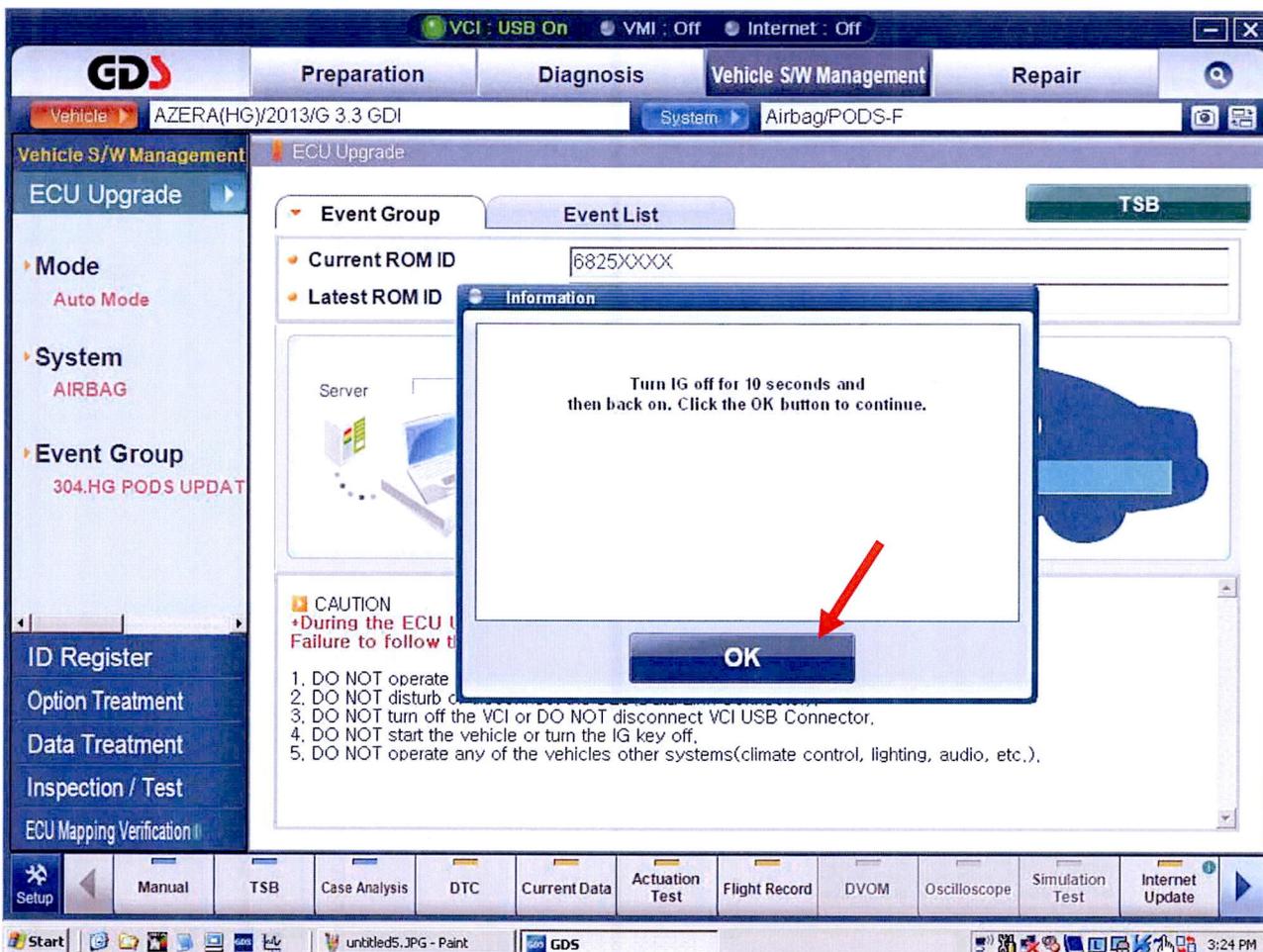
17) To continue the Manual Mode update, select **HG.PODS:88952-3V500** from the ECU Event group screen then select **Upgrade**.



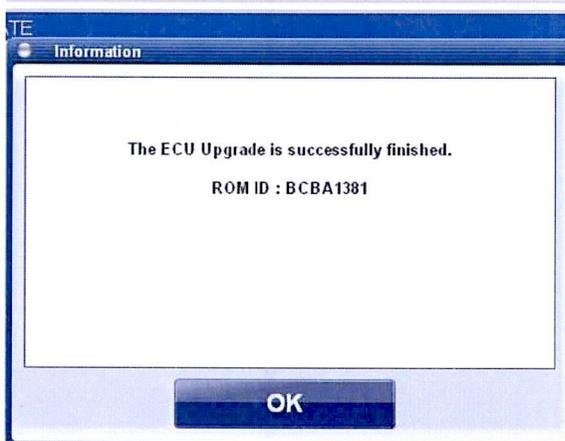
18) After entering the password from the table below, continue procedures 8-12 above.

MENU	PASSWORD
HG PODS : 88952-3V500	3500

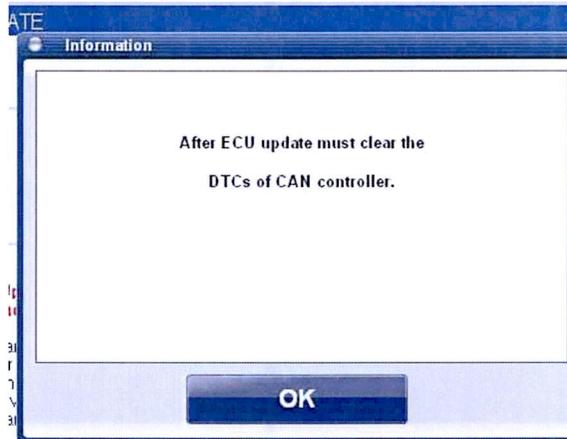
- 19) When the progress bar reaches 100% the following message is shown. To complete the update, change the ignition state to **OFF** for 10 seconds then toggle back to the **ON** position then click the OK button.



- 20) After ignition **ON** and the OK button is clicked, the success message below is shown.



21) Clear all DTC's then end Service Procedure here.

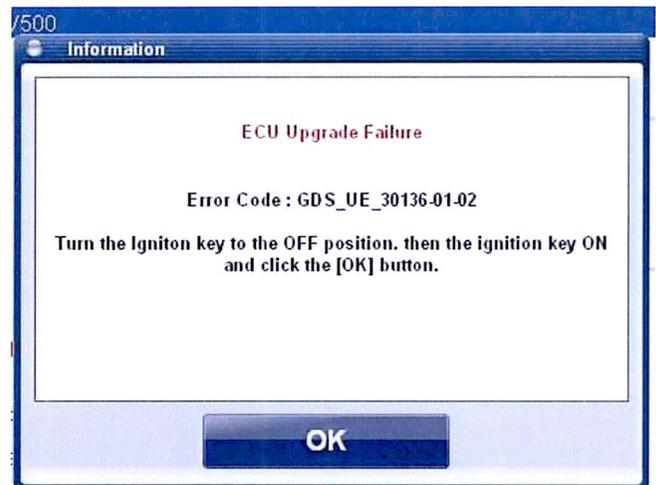


22) If the failure message below is shown, turn the ignition to the **OFF** position for 10 seconds then back to the **ON** position and try to do the Auto Mode update procedure (1-7).

*** NOTE**

This message is sometimes shown although PODS ECU has been successfully updated.

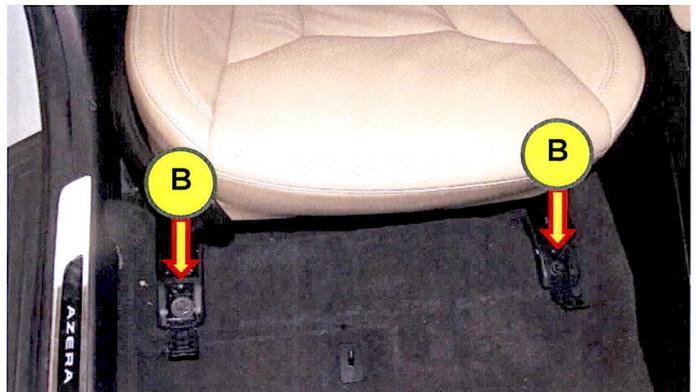
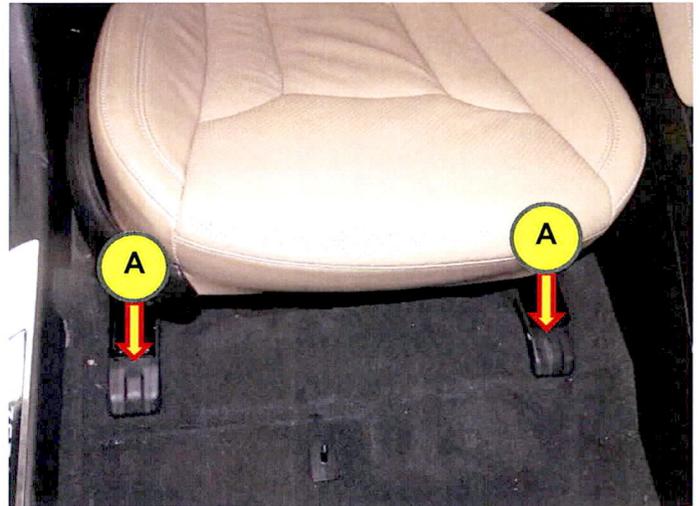
To verify if the update was successful, do procedure (1-7) Auto Mode update; the information message, "**ECU is already updated**" will be shown. No action needed after verification, end procedure.



23) End Update here.

PODS REPLACEMENT PROCEDURE

- 24) 1. Move the front passenger seat to the most rearward position.
2. Set the engine start/stop button to the "OFF" position.
3. Open the covers (A), and then remove the front mounting bolts (B) of the front passenger seat.

Tightening torque :**49.0~63.7 N.m (5.0~6.5 kgf.m, 36.2~47.0 lb-ft)**

4. Move the front passenger seat to the most forward position.
5. Open the covers (C), and then remove the rear mounting bolts (D) of the front passenger seat.

Tightening torque :**49.0~63.7 N.m (5.0~6.5 kgf.m, 36.2~47.0 lb-ft)**



6. Lift the front part of the seat, and then disconnect the PODS connectors (E, F). (Do not remove the seat from the vehicle.)

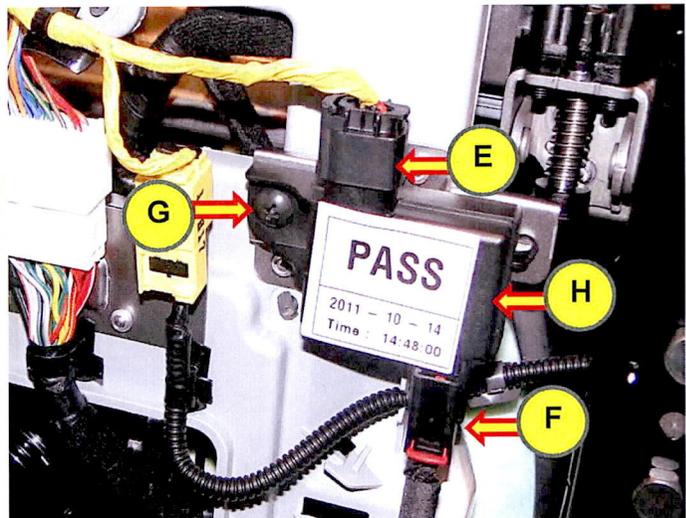
CAUTION

When lifting the seat, be careful not to damage the wiring harnesses.

*** NOTE**

When connecting the PODS connectors, ensure the connectors lock.

7. Remove the mounting screw (G), and then remove the PODS (H).



8. Install the new PODS (88952-3V600-QQH).

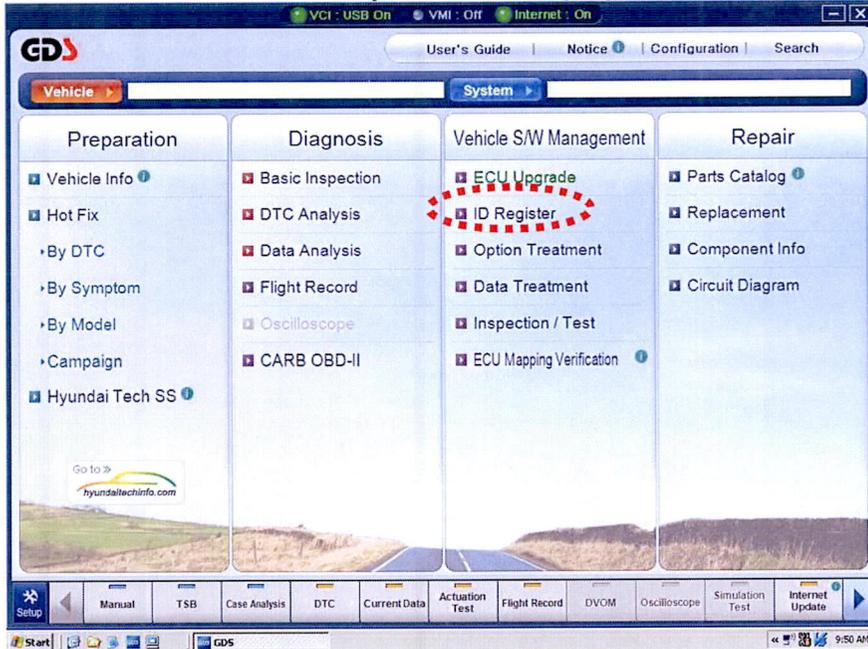
9. Install the front passenger seat in reverse order of removal.

25) Install the passenger seat bolts in the order below.

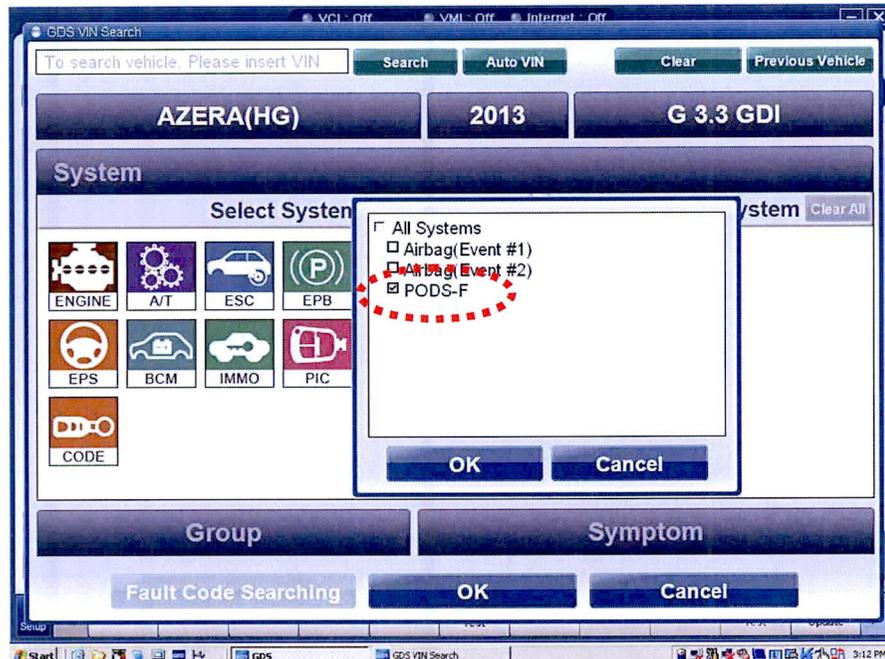
- ① Temporarily tighten the front mounting bolts with the seat at the most rearward position.
- ② Completely tighten the rear mounting bolts with the seat at the most forward position.
- ③ Completely tighten the front mounting bolts with the seat at the most rearward position.
- ④ Check that the seat operates to and fro smoothly and the locking portion locks properly.

PODS RESET PROCEDURE

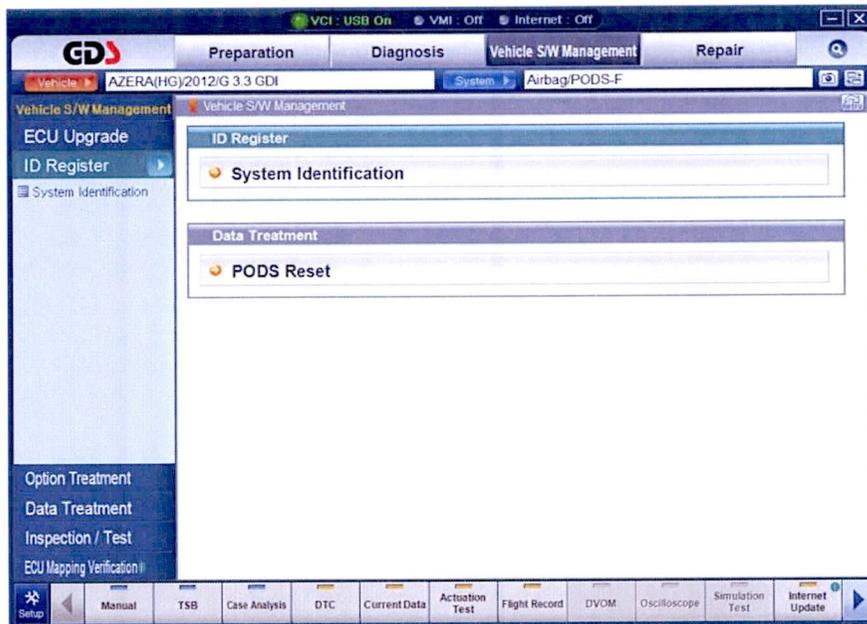
- 26) Start the GDS and select **ID Register**.
The vehicle information will be automatically read and displayed on the following screen.



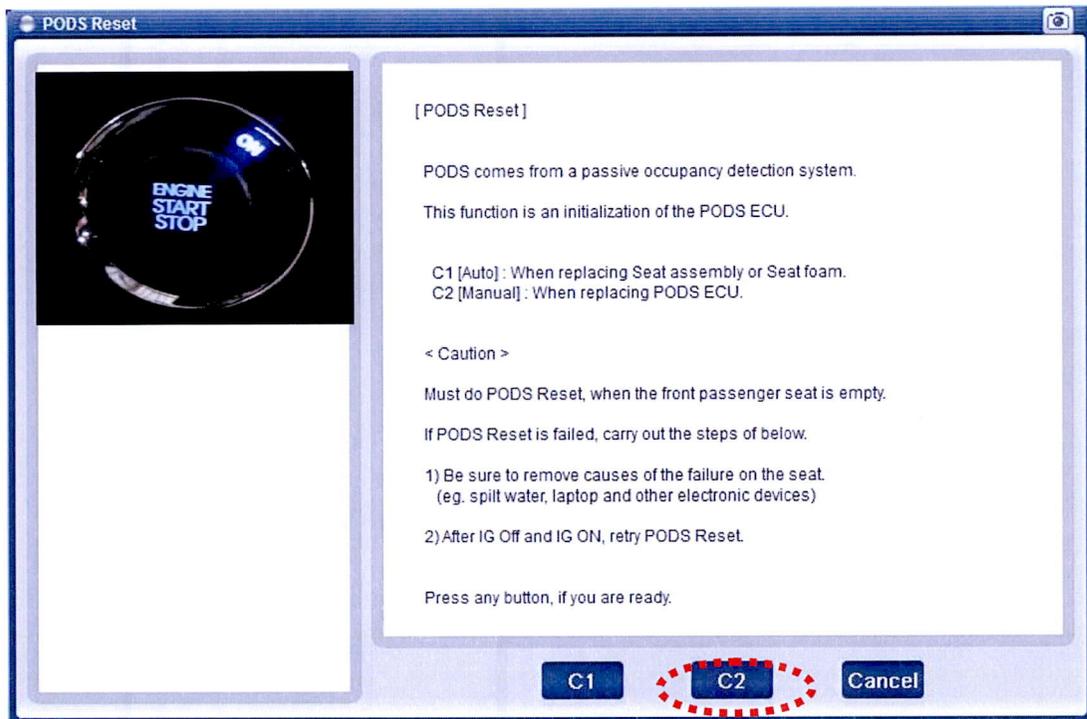
- 27) Select **AIRBAG** from the System screen then select **PODS-F**.



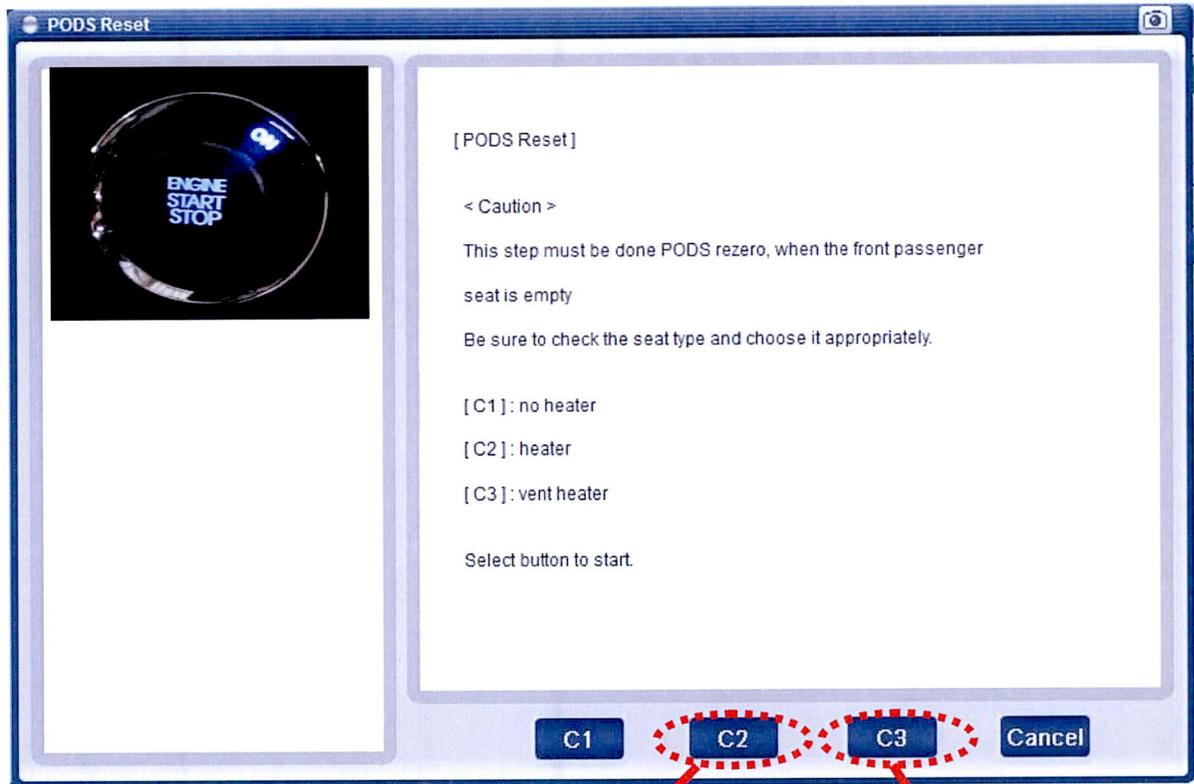
28) Select **PODS reset** from the Vehicle Software Management screen.



29) To reset the PODS read and follow the on screen directions displayed on the GDS. The PODS is reset using **C2: Manual** only and with **Ignition in the ON** position.



30) On the PODS reset screen below select; **C2 for Heating only** and **C3 for Heating and Cooling**.

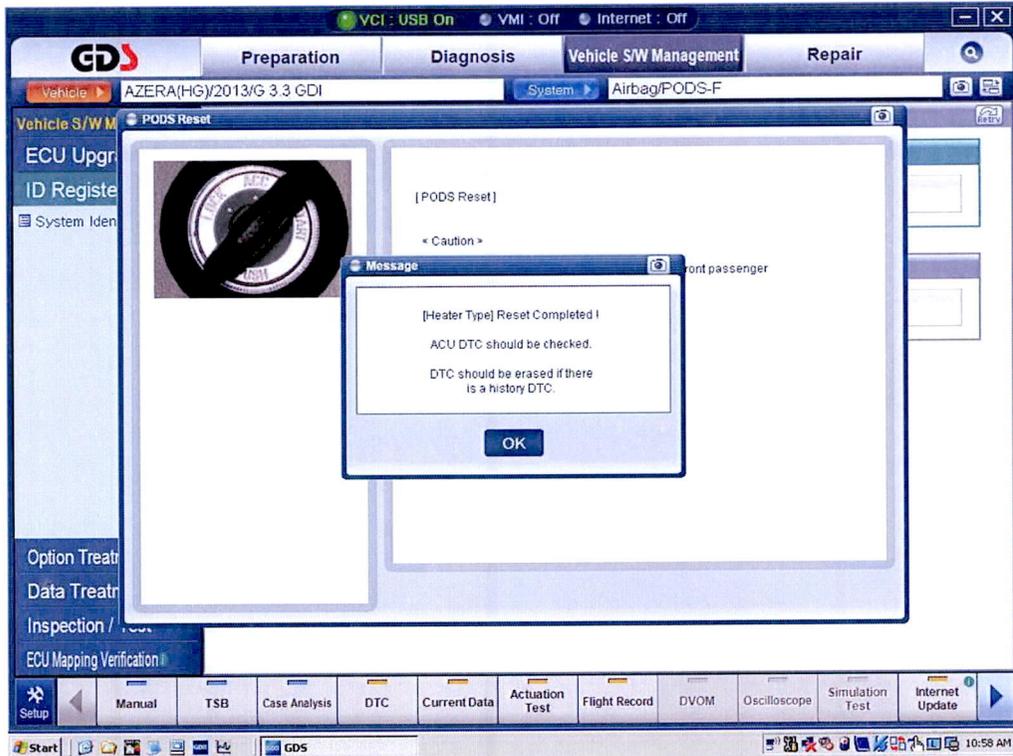


Heated Seats only



Heating and Cooling Seats

31) The confirmation screen shown below will be displayed after the reset is complete.



32) Clear all DTC's (including the Blue Link system per instructions in TSB 12-BE-005-2).