

TECHNET TIMES

HYUNDAI | NEW THINKING.
NEW POSSIBILITIES.

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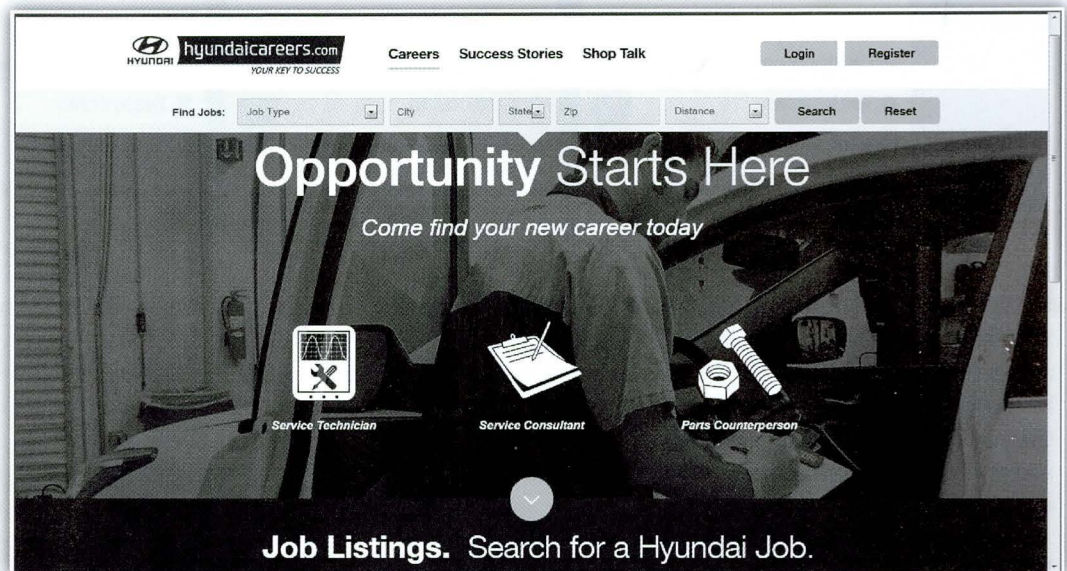
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Upgraded HyundaiCareers Jobs Website Has Launched!



We've launched an all-new, easy-to-use website for hiring the best Parts & Service talent available. Here are some of the features you can expect with the new site:

- Use the site on your PC and tablet!
- With your TACS ID, most of your registration is pre-filled for you.

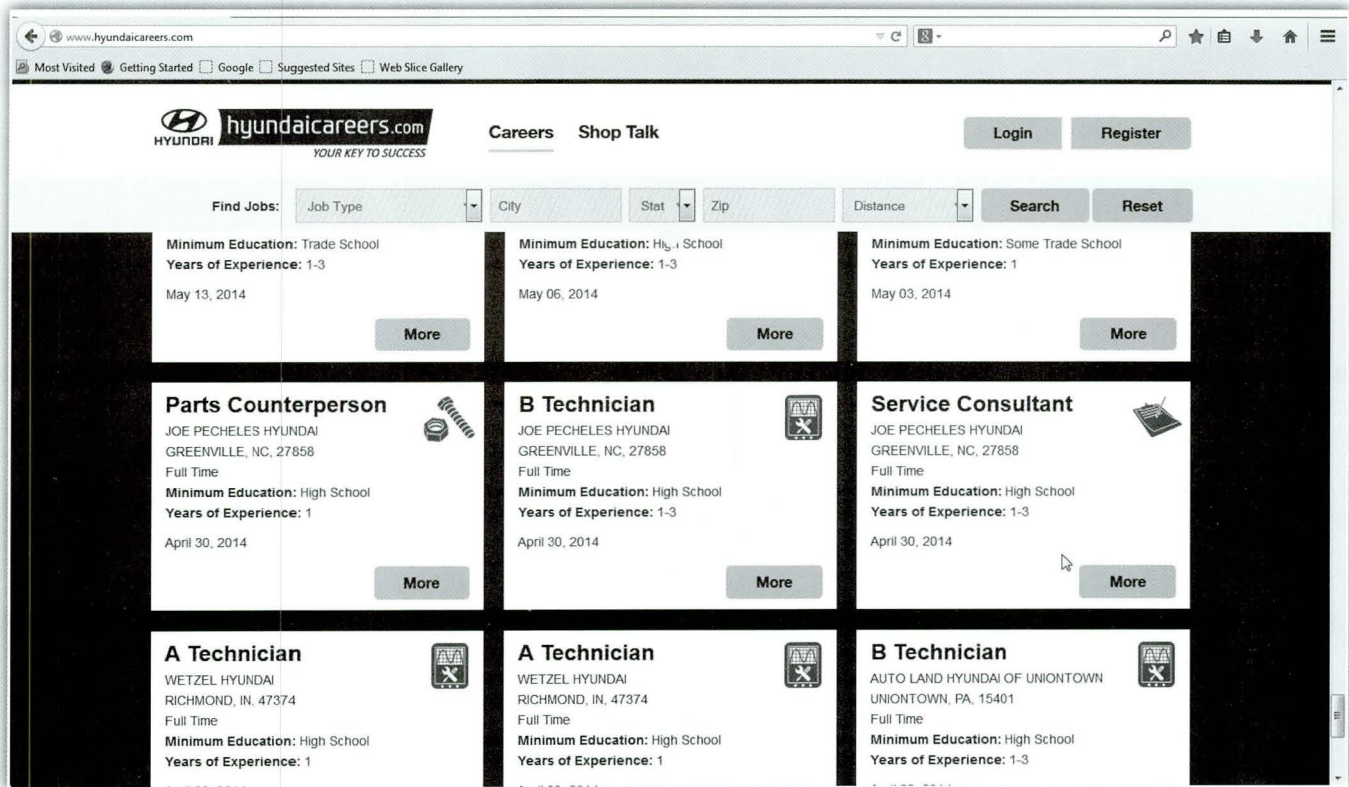
As with the previous site, positions are posted for Technicians, Service Consultants and Parts Counterpersons. We have made life easier for Service and Parts Managers by cutting in half the number of steps required to post

jobs. Currently, HyundaiCareers.com listings can also be viewed at the Indeed.com jobs website. Clicking the links there takes you to the jobs at the HyundaiCareers site.

continued on page 2

Upgraded HyundaiCareers Jobs Website Has Launched!

continued from page 1



Viewing jobs no longer requires a login; though you will be required to register, log in and upload or create a resume before applying for a job. Resumes can be uploaded in Word.doc, Word.docx, .pdf and .otd formats. Or, you can create a resume right on the site using our Resume Builder feature. If your situation changes, you can update your resume with another one in a few easy steps.

Our new Shop Talk section offers Parts and Service Department tips and a FAQ document. The FAQs help guide you through some of the site functionality. Watch for new posts in Shop Talk often.



This upgraded site is all about communication. Managers can request notification of each time a prospect applies for their open positions. If you revise your resume, the date of the change is visible to Managers so they are getting your latest information.

The search functions let you pinpoint a geographic location for searching jobs. Perhaps you are planning to relocate. HyundaiCareers lets you scan all the Hyundai openings posted from throughout the U.S. You can search by type of position and location. You also can fine tune your search within up to 60 miles of your selected location.

If you know a military veteran with inventory, customer service, diagnostic experience or someone near to graduation from trade school or an experienced Technician looking to join the Hyundai family, send them to HyundaiCareers.com for a streamlined process for finding openings for Parts Counterpersons, Service Consultants or all levels of Technicians at Dealerships across the country.

Use HTSS to Review Campaigns

In the HTSS case below, the technician used the HTSS Symptom function to see all applicable campaigns for this VIN. To access Symptoms, Click the HTSS button on the PREPARATION tab on the GDS home screen. Then click the OPEN button. This will open the HTSS Case popup for the vehicle connected to the GDS. Click on the Symptoms drop down in the popup and select Campaigns. The image below illustrates the rollover function that displays contents

when you place your cursor over the Links button.

This useful feature can be used to see which campaigns apply to the model. You may also want to review Campaign procedures for resetting active learning or other repairs outlined in a previously performed Campaign. There may also be other technical information easily accessible in a Campaign TSB. Symptoms is a quick alternative to searching the full Hyundai Service Information database.

▶ Vehicle Info
TACS
GDS Case NO. 2014062300731

VIN	Model	Year	Engine	Trans	Production Date
5XYZU3	AN13	2013	G 2.0 T-GDI	AUTO	20130304
Retail Date	Retail Dealer	Service Dealer	RO #	RO Mileage	User
20130707	NY	NY	253868	3393	

▶ Open Campaigns (Click the button(s) to view the campaign information)

No campaign

▶ DTC, Symptom Contents

						CAMPAIGNS
TSB/Campaign						Links
DTC Shop Manual						
ETM Shop Manual						
FixPrint						
System Training						
Fix It Right						
EVAP-3D						
Blue Link Freeze Frame						
Blue Link Cust. Input						
Call Techline						

12-01-023 Engine and Transmission Mount Inspection Service Campaign TL4 2013 AN 2.0T GDI and 2.4 GDI - (Updated 08/01/2012)

12-01-027 - ECM UPDATE - 2.4L GDI/2.0L T-GDI CHECK FUEL CAP LOGIC IMPROVEMENT (SERVICE CAMPAIGN TL8) - (Updated 10/01/2012)

12-01-P15 P15 MPG Select Car Care Program - (Updated 11/01/2012)

12-01-037 MONRONEY REPLACEMENT (SERVICE CAMPAIGN TM4) - (Updated 11/01/2012)

13-01-007 - CLUSTER SOFTWARE UPDATE (SERVICE CAMPAIGN TN6) supersedes TSB 12-01-049 to include Retail Vehicles - (U)

HTSS Call Techline Tips

When a HTSS link says "Call Techline" this indicates that there is temporarily an aspect of the repair or diagnosis that requires voice interaction with the Techline Team. If you receive a "Call Techline" link, make the call!

Re-Activation Of Blue Link Devices

This bulletin describes steps to activate Genesis Sedan (DH) and Sonata (LF) with navigation devices that have been de-activated for the following:

- A customer who initially waives Blue Link enrollment, and then decides to enroll after purchase of vehicle.
- A customer who allows all packages of their Blue Link subscription to expire and then wishes to re-subscribe to Blue Link.
- A customer who did not enroll in Blue Link within the first 30 days of ownership (at which time the device becomes inactive), but then decides to enroll.
- A subsequent owner who wishes to enroll in Blue Link

If Blue Link is deactivated, the Verizon account will be suspended. A manual “service activation” process from within the vehicle will have to be performed. Please follow the steps within this bulletin.

CAUTION:

- Only the areas with a 3G Data Coverage will allow Service Activation.
- May require several attempts depending on 3G Data Coverage

WARRANTY INFORMATION:

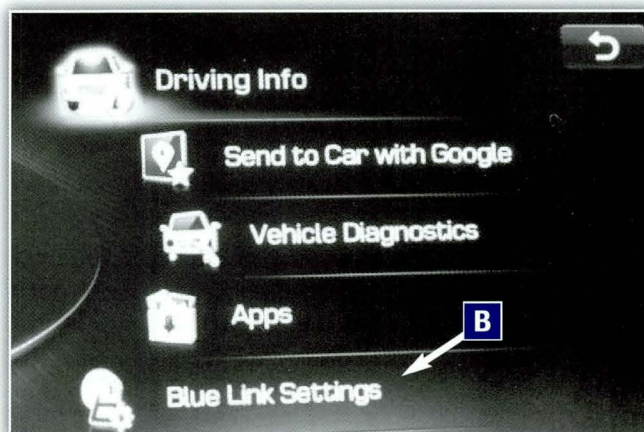
Normal warranty applies.

Blue Link Activation Steps (Jog Dial System)

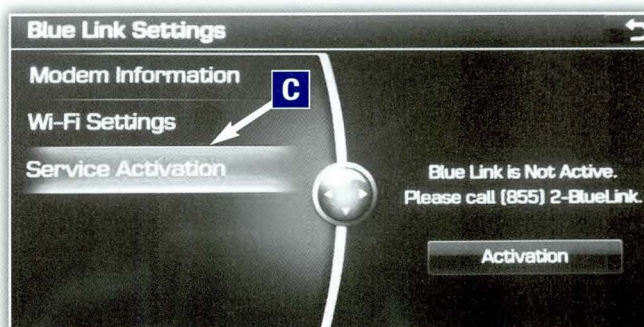
1. Turn vehicle and the Navigation system ON.
Press the Blue Link (A) button shown on the image below.



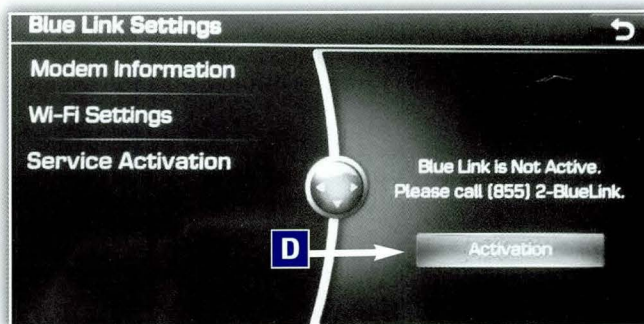
2. Press the Blue Link Settings (B) selection to enter the setting screen.



3. Press the Service Activation (C) icon on the screen.



4. Press the Activation (D) icon on the screen.



Confirmation

5. Press the Blue Link button in the vehicle (ensure power is on). Blue Link will provide a voice response menu structure (outlined in the owner's manual) after the service activation is completed.

Blue Link Activation Steps (Standard 4.0 and 4.5 Mobis System)

1. Turn vehicle and the Navigation system ON.
Press the Blue Link (A) button shown on the image below.



2. Press the Blue Link Settings (B) icon to enter the setting screen.



3. Press the Service Activation (C) selection on the screen.



Confirmation

4. Press the Blue Link button in the vehicle (ensure power is on). Blue Link will provide a voice response menu structure (outlined in the owner's manual) after the service activation is completed.



Blue Link Diagnostic Tips

This article will help determine when a TMU condition is not head unit related.

SYMPTOM 1:

Server not responding or response is delayed

- No response or delay when requesting Blue Link service

SYMPTOM 2:

Incorrect Information

- When requesting a destination, the incorrect information is given

SYMPTOM 3:

DTC Error Message

- Error message or code given when the vehicle is turned on

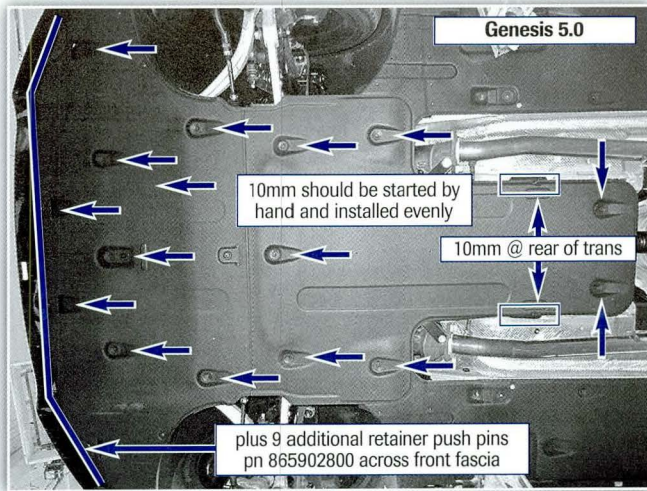
SYMPTOM	RELATED CAUSE	EXPLANATION
Server is not responding or is delayed	<ul style="list-style-type: none"> ■ Misconnection at mirror or AVN antenna ■ Poor reception location can cause no response from server ■ If the server is busy, a delayed response may occur 	<ul style="list-style-type: none"> ■ When the Blue Link button is pressed, the modem in the AVN sends request to the server. If the command does not get to the server due to poor connection or reception, the server cannot respond.
Incorrect Information	<ul style="list-style-type: none"> ■ If the User does not give a clear command, incorrect information may be displayed 	<ul style="list-style-type: none"> ■ After the request, server performs a Google search, then sends the result to the head unit. The AVN does not generate the destination, but only shows the destination on the map.
DTC Error Message	<ul style="list-style-type: none"> ■ Codes are not AVN unit-related. The AVN only sends the information it receives. 	<ul style="list-style-type: none"> ■ AVN does not generate DTC codes or related messages. The AVN only receives and communicates the information.

Please refer to the Blue Link user manual for detailed information.

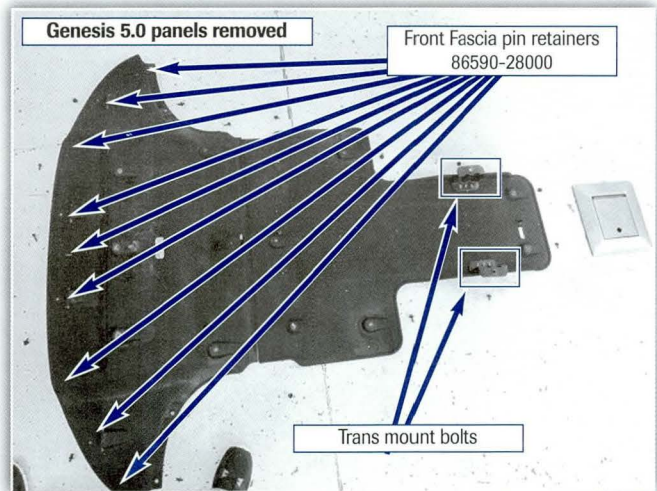
Under Engine Cover Removal and Reinstallation Tips

The 2015 Genesis comes equipped with a two-piece under engine cover. The current design does not have access panels for oil filters. Both panels must be removed to perform an oil filter change on the Genesis 5.0.

Note the location of the 10mm bolts fastening the cover to the vehicle. Remember to remove the 4 rear bolts. See photo below.



Across the front of the forward under cover, retainer pins P/N 86590 28000 are used.



When reinstalling the bolts, thread them by hand to begin with to assure proper alignment. Replace any broken fasteners used along the front of the forward under panel. Both pieces of the under engine cover must be removed to perform an oil filter change.

TechNet *Tips*

Use Of Aftermarket Engine Oil Filters Causing Engine Knocking Noise

Some vehicles may experience an engine knock noise with the use of an aftermarket oil filter. Aftermarket oil filters may use different materials, construction and specifications than genuine Hyundai oil filters, which may lead to pressure variations within the engine, thus contributing to an engine knocking noise.

Vehicles Affected:
All Models

Repair Procedure:

Perform an oil change on the vehicle and replace the aftermarket oil filter with a genuine Hyundai oil filter.

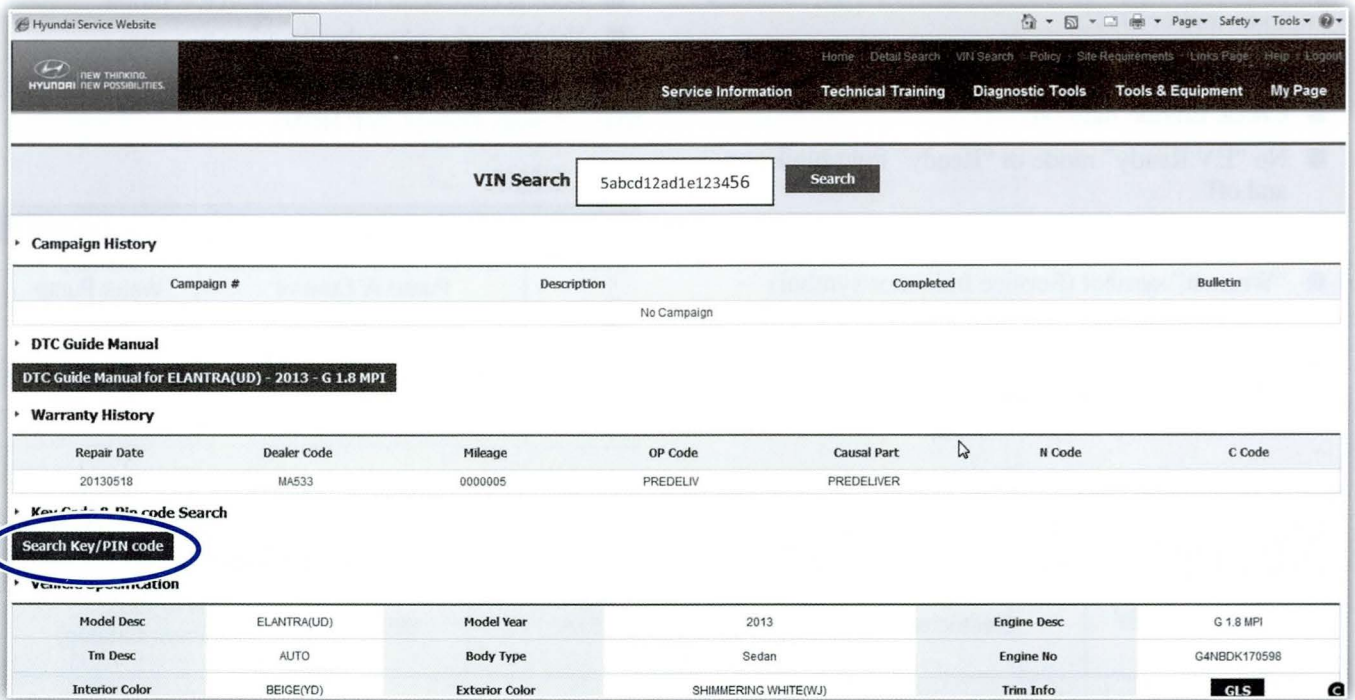
NOTICE: Any concerns caused by previous use of an aftermarket oil filter should be noted in the repair order and discussed with the customer.

WARRANTY INFORMATION:

Normal warranty procedures apply.
This is **NOT** a warranty repair.

Key Codes/PIN Codes Now Available at HyundaiTechInfo.com

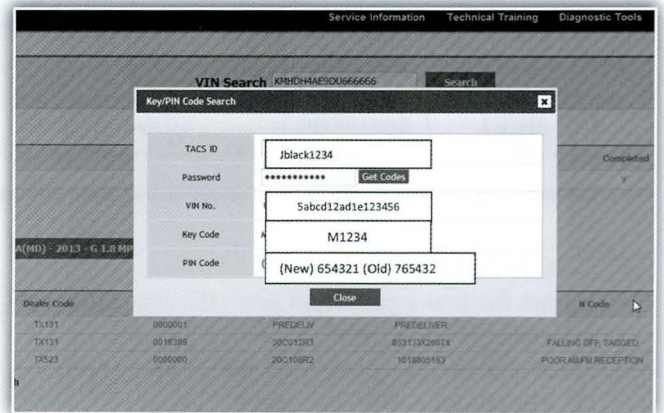
You no longer need to call Techline to acquire Key Codes or PIN Codes for Hyundai vehicles. They are available online. Once you have logged into the Hyundai Service Website (HyundaiTech-Info.com), you can access the information for yourself. Here is the process.



1. Log into HyundaiDealer.com and access HyundaiTechInfo.com by selecting HMA Tech Info under the SERVICE tab.
2. Click on the VIN SEARCH tab and enter the full 17-digit VIN.
3. When the VIN Search summary page loads, click on the Search Key/PIN code button. (**NOTE:** You may need to scroll down to locate the button.)
4. A login popup requesting your TACS ID and TACS password will display. Enter your information and click GET CODES.



Your codes will be display in a popup.



NOTE: Please take care with the code information. Utilize all effort to keep the code information secure and confidential.



Fix-It-Right

HYBRID ELECTRIC WATER PUMP DTC P0C73, P0A93 & U1116

DESCRIPTION: This article provides diagnostic information and related service procedure for the Sonata Hybrid electric water pump (EWP) with the following symptoms and/or DTC:

Warning light:

- Check Engine light on
- No “EV Ready” mode or “Ready” light blinks on and off
- Charging warning light on, hybrid battery low
- “Wrench” symbol (Service Indicator symbol) blinks on and off
- Warning in the instrument cluster display: “Hybrid System Warning! Safely stop and Do Not Drive” and/or alarm sound

Drivability Symptoms:

- Vehicle will not start or move in EV mode
- Poor acceleration from a stop in EV mode
- Vehicle jerks when decelerating to a stop.

APPLICABLE VEHICLES:

2011~ Sonata Hybrid (YF HEV)

DTC LIST:

DTC	DESCRIPTION	INSPECT
P0C73	Motor Electronics Coolant Pump 'A' Control	Electric Water Pump
P0A93	Inverter 'A' Cooling System Performance	Electric Water Pump
U1116	Lost Communication with Motor Electronics	CAN Line

PARTS INFORMATION:

MODEL	PART	SECTION	PNC	PART NUMBER
2011~ Sonata HEV	Electric water pump	25-251A	36900	36910-3D0** (See Parts Catalog)

WARRANTY INFORMATION:

MODEL	OP CODE	OPERATION	OP TIME	CASUAL PART	NATURE CODE	CAUSE CODE
2011~ Sonata Hybrid (YF HEV)	36910R1H	Electric water pump (EWP)	0.6	36910-3D0** (See Parts Catalog)	N09	C15
	36910RQ0	GDS operation	0.3			

SERVICE PROCEDURE:

1. Depress the brake pedal and press the Start/Stop button to select “EV Ready”. Attach a GDS, and select VIN, MCU menu and DTC. Record any DTC. Delete the DTC.
2. Select Current Data and the parameters shown below. Drive the vehicle until the engine coolant is fully warm and record the data or ask an assistant to monitor the GDS.

Accelerate the vehicle to about 30 mph and brake moderately to a stop.

If the results are not as shown on the table at the top of the following page, the electric water pump may not be functioning correctly.

- If not as shown, go to Step 3 and replace the EWP.
- If as shown, delete the DTC and drive the vehicle for two key-on/key-off drive cycles. If the DTC and/or condition occur again, go to Step 3 and replace the EWP.

GDS PARAMETER	RESULT
Enable Flag for Electric Water Pump (EWP) Operation	ON
Electric Water Pump (EWP) Operation Status	ON
MCU Warning Flag	OFF
Electric Water Pump (EWP) Speed	2000~3300 rpm
MCU Temperature	Below 194°F (91°C)
MCU (GCU) Temperature	Below 199°F (93°C)
Generator HSG Temperature	Below 320°F (160°C)

- Open the rear trunk and open the cover to the safety plug.

Put on insulation gloves and pull up on the black tab and pull out the safety plug.

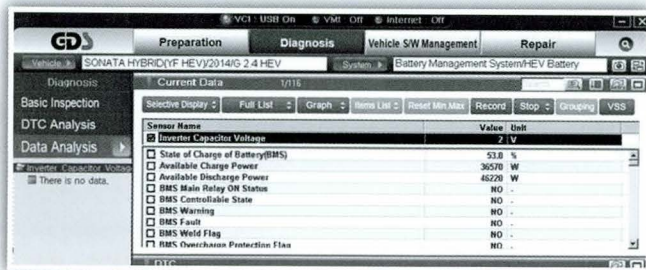
WARNING: Failure to perform this procedure may result in accidental injury or death.



- Without depressing the brake pedal, push the Start-Stop button 2 times to power the cluster.

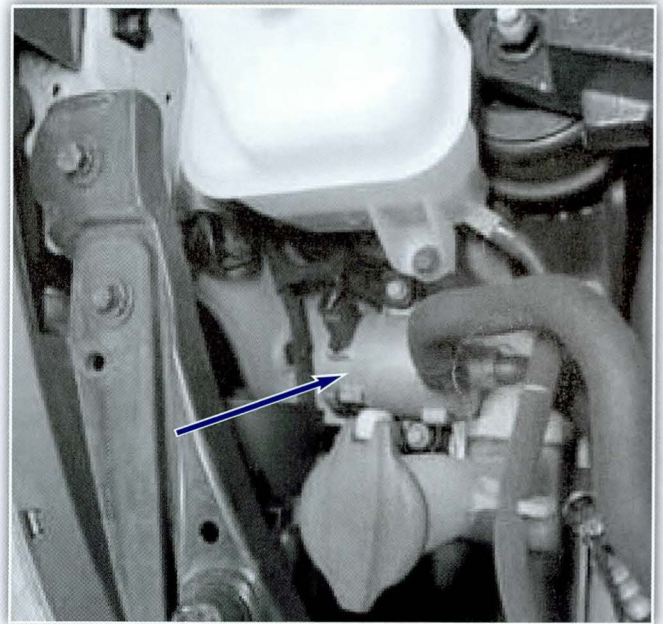
Attach a GDS and select BMS menu, Current Data and Inverter Capacitor Voltage. Confirm the Inverter Capacitor Voltage is less than 30V.

- If less than 30V, the system voltage is safe for the technician. Turn off the ignition and disconnect the negative battery cable in the trunk. Go to Step 5.
- If more than 30V, wait until the voltage is within specification before performing any repairs.



- Replace the electric water pump (EWP).

Refer to the procedure in the Sonata Hybrid Shop Manual, Hybrid Motor System, Hybrid Motor Cooling System, Electric Water Pump (EWP), Repair Procedures.



- Reassemble all parts in the reverse order of disassembly.

- Fill the radiator with coolant and check for leaks.

Use a GDS to bleed air from the hybrid motor cooling system. Refer to the procedure in the Sonata Hybrid Shop Manual, Hybrid Motor System, Hybrid Motor Cooling System and Coolant.

- Attach a GDS and delete any DTC.
- Clear the DTC in the Blue Link system according to instructions in TSB 12-BE-005-2.
- Drive the vehicle to confirm proper operation of the vehicle and cooling system.

2015 Genesis Oil Filter Cap Plug Replacement

The oil filter for the 2015 5.0L equipped Genesis (P/N 26320-3F500) comes with a replacement drain plug for the canister filter housing



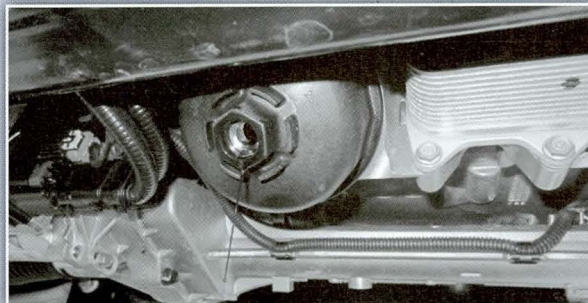
- 5.0 Includes filter housing drain bolt w/o-ring



- The plug is removable from the canister cap with an 8MM hex wrench.

Tightening torque

Oil filter drain bolt : 6.5 ~ 8.0 lb-ft



- Removing the plug allows the oil in the canister to drain before removing the filter.



- The cap can then be removed and the paper filter replaced.

Fix-It-Right

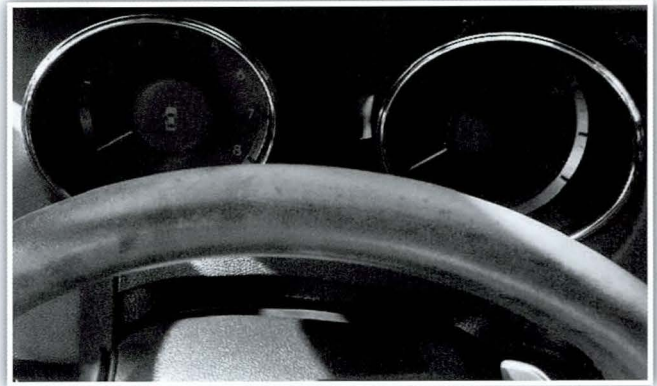
LEATHER STEERING WHEEL CLEANING

DESCRIPTION: Some vehicles may exhibit dirt or buildup on the leather steering wheel. If any of these conditions are found, do not replace the steering wheel. Instead, follow the cleaning procedure described below.


NOTICE: The procedure in this article is not covered under Factory Warranty.

APPLICABLE VEHICLES:

All vehicles equipped with leather steering wheels.



PARTS INFORMATION: All vehicles equipped with leather steering wheels.

DESCRIPTION	CONTENTS
3M Leather & Vinyl Restorer 39040 or Equivalent	
3M Scotchbrite Cleaning Pad 7439 or Equivalent	
3M Microfiber Cloth 6016 or Equivalent	
Disposable Latex or Nitrile Gloves	

continued on page 12

Leather Steering Wheel Cleaning

continued from page 11

CLEANING PROCEDURE:

1. Spray the leather restorer onto the cleaning pad and scrub the steering wheel.



2. Using the microfiber cloth, wipe any leftover residue with a clean portion of the cloth.

CAUTION: Do not leave the steering wheel wet or slippery. Wipe any residue off of the steering wheel.



Steering wheel shown partially cleaned to demonstrate cleaning results.



TECHNET TIDBIT

Are Your PDI Sheets Up to Date?

On September 5, the Pre-Delivery Sheets for all models were updated. Please make sure that your sheets have the current date, "9/05/2014" for each model. The revision date appears on the top right of each page. Files are updated as needed; so check for date changes regularly at the Pre-Delivery Inspection Forms button on HyundaiTechInfo.com.

TechNet Times

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TechNet Times is published monthly by Hyundai Motor America's National Service Training & Support Department for Hyundai Dealership Technicians. The subjects covered in this publication are often one of a kind items, but they may help you to solve similar incidents. In all cases, the diagnostic procedures recommended in the Shop Manuals should always be performed first.

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