



October 15, 2010

Mr. Daniel Smith
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, D.C. 20590

RE: NHTSA Recall 10V-426, Hyundai Recall 097

Dear Mr. Smith:

Hyundai is providing additional information related to NHTSA Recall Number 10V-426.

The owner notification letter was scheduled to be mailed beginning on October 15, 2010 and completed on November 12, 2010, after five weekly mailings. The notification schedule has been changed to four weekly mailings with the first mailing performed on October 14, 2010 and the final mailing to be completed on November 4, 2010.

Enclosed for NHTSA's files are a revised copy of the Technical Service Bulletin, which contains new part number information, and copies of additional letters and information provided to dealers.

Sincerely,

A handwritten signature in black ink that reads "Robert Babcock".

Robert Babcock
Senior Manager, Regulation and Certification Department

Attachments

Hyundai-Kia America Technical Center Inc.
6800 Geddes Road, Superior Township, MI 48198
TEL: 734-337-9499 FAX: 734-483-5919
www.hatci.com

HATCI is an authorized representative of both Hyundai Motor Company and Kia Motors Corporation; which are separate and distinct automotive manufacturers.

September 21, 2010, Updated October 12, 2010

TO: ALL HYUNDAI DEALER PRINCIPALS/GENERAL MANAGERS:
ALL HYUNDAI DEALERSHIP SERVICE MANAGERS:
ALL HYUNDAI DEALERSHIP PARTS MANAGERS:
ALL HYUNDAI DEALERSHIP SALES MANAGERS:

SUBJECT: Recall Campaign 097 - 2011 MY Sonata Steering Column Intermediate Shaft Connections Inspection - TSB# 10-01-032-1

Hyundai Motor America is conducting a Recall to inspect and confirm that the steering column and the upper intermediate shaft universal joint (U-joint) and the steering pinion splined shaft and the lower intermediate shaft U-joint are properly connected and that both attaching bolts are tightened to the specified torque on certain 2011 Model Year Sonata vehicles. Technical Service Bulletin #10-01-032-1 provides a procedure to conduct this inspection.

Additionally, a procedure is provided in TSB# 10-01-032-1 to update the Motor Driven Power Steering (MDPS) software.

IMPORTANT NOTE: Dealers are required to perform this campaign on all affected vehicles in dealer stock and before retail delivery to the customer.

In order to identify only those vehicles affected by Recall Campaign 097, it will be necessary to access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS before starting the repair. The "Warranty Vehicle Information" screen will identify affected vehicles with an open Recall Campaign 097.

TSB #10-01-032-1, as well as the applicable MDPS software will be available on Hyundai's Website on September 21, 2010. It contains instructions on performing the service and submitting the campaign claim.

Customer notification letters will be mailed in weekly flights starting Thursday, October 14, 2010.

It is **IMPORTANT TO SUBMIT A CAMPAIGN CLAIM FOR EACH VEHICLE SERVICED** so your dealership can be compensated for your work and Hyundai can maintain accurate records of campaign completions.

LEGAL LIABILITY NOTICE: You are required to keep confidential any and all information and documents provided to you by Hyundai Motor America in the conduct of carrying out work for this recall campaign. Hyundai Motor America dealers may use owner information provided for the campaign only for the purpose of conducting and performing this recall campaign, and for no other purpose.

Hyundai appreciates your cooperation and support. Questions may be directed to your District Parts and Service Manager or Warranty HELPREP line at 1-877-446-2922.

HYUNDAI MOTOR AMERICA

ENHANCED PROGRAM ANNOUNCEMENT - \$20 Promotional Cards are now included!

NOW IS THE PERFECT TIME TO OFFER YOUR 2011 SONATA OWNERS AN EXTRAORDINARY LEVEL OF CARE!

All Hyundai Retail Owners (excludes fleet and company cars) that qualify for **Recall Campaign 097 – 2011 Model Year Sonata Steering Column Intermediate Shaft Connections Inspection – TSB # 10-01-032-1** also qualify for this special 2011 Select Car Care Promotion. We strongly urge all Hyundai Dealers to participate in this very special program.

Goals of the program:

1. Provide each customer with a fast and convenient repair process
2. Delight these customers with complimentary services and special care handling
3. Turn these new owners into loyal service and parts customers
4. Make all 2011 Sonata owners Hyundai brand advocates

Hyundai is Going to Pay our Dealership to Provide These Special Offers to our new 2011 Sonata Customers?

Yes! We need your commitment to “Roll out the Red Carpet” for these customers. Let’s turn each and every owner into an advocate for your dealership and the Hyundai brand. Here is what we are offering:

Complimentary Services To Delight Your Customers		
1	Wash, Vacuum and Clean Windows Inside and Out	\$10
2	Complimentary Treat (Candy or Gourmet Cookie)	\$5
3	\$20 Promotion Card - Begin to arrive at your dealership the week of October 18, 2010	\$20

Preparing to Deliver Extraordinary Service:

The Treats Are On Us! We recommend you purchase prepackaged gourmet candy or cookies to give to your customer. Many wholesale outlets (Costco, Sam's Club, See's Candies, ...) offer a nice selection of candy or cookies ready for delivery. Shop for treats that can be enjoyed immediately. Place the \$20 UNOPENED Promotional Card on the front seat along with the treat and Thank You Card to delight the customers. See claim information below for details.

Attention Service Manager : Review These Best Practices With Your Staff

All Vehicles:

- ✓ Check each VIN for open campaigns in the WEBDCS Warranty Vehicle Information Screen. Verify vehicle has an open P07 2011 Select Car Care Promotion.
- ✓ Properly document the customer's email address and phone number on the repair order.

Customer Handling:

- ✓ Offer each customer the option to have their car washed, vacuumed and clean windows inside and out. **Hint:** Tell your customer that extra time is needed to perform this service – Set the proper time expectation.
- ✓ Expedite the recall repairs as a shop priority to complete the repair, paperwork, car wash and delivery in less than 1 hour.
- ✓ To provide the utmost convenience to these customers, provide a Service Rental Car as needed.

Handling Waiters:

- ✓ Escort your customer to the lounge and introduce first time service customers to the amenities your dealership offers.
- ✓ Provide an update to your customer – taking special care to be mindful of the promise time.

Delivery:

- ✓ During the Active Delivery - Inform your customer that the vehicle was washed and a gift awaits them in their vehicle.
- ✓ Place the Unopened \$20 Promotional card, treat and Thank You Card on the front passenger seat.
- ✓ Offer to make the next service appointment.

Claim Information:

Submit P07 Select Car Care Promotion claims using the Campaign Claim Entry Screen.

Op Code	Operation	Car Wash \$10.00	Candy \$5.00	Rental \$25.00	Gift Card \$20.00	Total Reimb.
CCAREB01	Carwash	X				\$10.00
CCAREB02	Carwash & Candy	X	X			\$15.00
CCAREB03	Carwash, Candy & Service Rental	X	X	X		\$40.00
CCAREB04	Carwash & Service Rental	X		X		\$35.00
CCAREB05	Candy Only		X			\$5.00
CCAREB06	Candy & Service Rental		X	X		\$30.00
CCAREB07	Rental Only			X		\$25.00
CCAREB08	\$20 Promotion Card Only				X	\$20.00
CCAREB09	Carwash & \$20 Promotion Card	X			X	\$30.00
CCAREB10	Carwash, Candy & \$20 Promotion Card	X	X		X	\$35.00
CCAREB11	Carwash, Candy, Service Rental & \$20 Promotion Card	X	X	X	X	\$60.00
CCAREB12	Carwash, Service Rental & \$20 Promotion Card	X		X	X	\$55.00
CCAREB13	Candy & \$20 Promotion Card		X		X	\$25.00
CCAREB14	Candy, Service Rental & \$20 Promotion Card		X	X	X	\$50.00
CCAREB15	Service Rental and \$20 Promotion Card			X	X	\$45.00

- All P07 Select Car Care Promotions must be on the same Repair Order as the ***Recall Campaign 097 – 2011 Model Year Sonata Steering Column Intermediate Shaft Connections Inspection.***
- Document on the repair order the services rendered to the customer.
- Use the above Labor Operation Code that coincides with the documented services rendered.
- Refer to the \$20 Promotional Card Handling Instructions for further Claim Tracking Requirements.

\$20 PROMOTIONAL CARD HANDLING INSTRUCTIONS

Timeline

October 15 th	1 st wave Promotional Cards mailed to Dealers
October 21 st	2 nd wave Promotional Cards mailed to Dealers
November 1 st	Card reorder process will be announced

\$20 Promotional cards will be automatically shipped and billed on your open parts account. These cards have a \$20 value and are billed at \$20 per card. Parts mark-up does not apply to this customer satisfaction P07 Promotion. Remember, these are intended to delight your customers and turn them into dealer and Hyundai brand advocates.

Cards are sealed in gift envelopes and will contain the following message from HMA President and CEO John Krafcik:

To Our 2011 Sonata Owners:

While we always do our best to build a flawless vehicle, there are rare times when issues slip through our quality control processes. We asked you to return your car to the dealership because we had eight cases of a loose steering column bolt in the 139,500 Sonatas we have built through early September. While this may not sound like a large number of issues, it is eight too many, and it was important to us that we absolutely ensure the quality of your new Sonata.

We understand the inconvenience you faced in arranging this visit, and we apologize for taking your time so that we could complete this work. Please accept this small gift as our way to thank you for letting us assure your new Sonata performs just as we'd intended it.

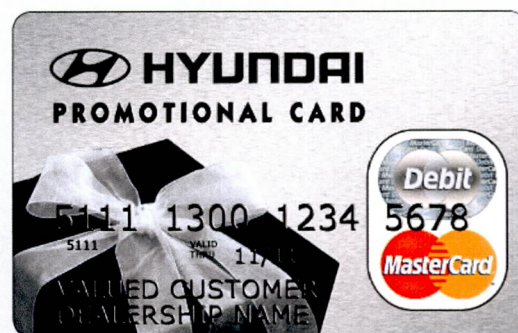
Thanks for the trust you placed in Hyundai when you purchased your Sonata. You can feel confident that we'll continue to earn that trust going forward. If you have any concerns or suggestions, we'd love to hear from you – please feel free to contact us at 1-800-633-5151, or at consumeraffairs@hmmausa.com.

Sincerely,



John Krafcik
President and CEO
Hyundai Motor America

**Your card is active
and ready to use.
Check your balance at
www.HyundaiPromoCard.Com
or call 1-888-867-8032**

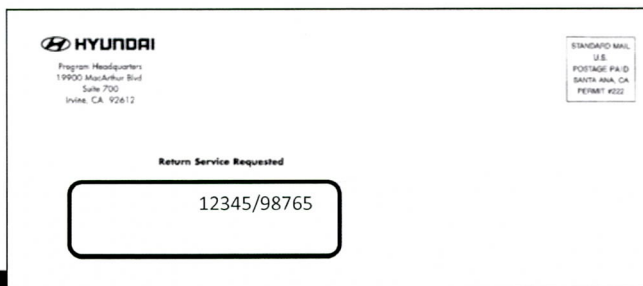


DO NOT OPEN THE ENVELOPES

THEY ARE SEALED AND READY TO DELIVER TO YOUR CUSTOMERS

The first shipment of promotional cards will be in plain white envelopes – subsequent batches will be in decorative envelopes, see below:

1st Wave
Sample
Envelopes



2nd Wave
Sample
Envelopes



Each envelope window will have a unique sequence number that corresponds to the Packing Slip Tracking. KEEP THIS FORM!

Page: 1 JNR -OCS#: 5545090
Los Angeles Bulk Ship Packing Slip - Cards **** TEST TEST TEST ****

Ship To: RICK MOODY
JNR INC
19900 MACARTHUR BLVD
STE 700
IRVINE CA 92612
310-864-7962

Sequence	Vin #	Cardholder Name	Date
12345			

CLAIM TRACKING REQUIREMENT

1. Record the Sequence number on the repair order
2. Record the VIN, Card Holder Name and Date on the Packing Slip Tracking Form
3. Retain the Packing Slip Tracking Form until the end of this program pending further instruction

Frequently Asked Questions Regarding Promotional Cards

Each envelope will contain a copy of this document for your customer should they have questions.

COMMON QUESTIONS AND ANSWERS REGARDING YOUR HYUNDAI PROMOTIONAL MasterCard®

Q: What is a Hyundai Promotional MasterCard?

A: The Hyundai Promotional MasterCard is a prepaid card loaded with an initial amount. The card is accepted anywhere Debit MasterCard is accepted— at millions of locations worldwide.

Q: Can I get cash with my card?

A: No. Your card cannot be used for cash access at ATMs or bank tellers.

Q: Do I need a PIN for my card?

A: No. Your card is processed like a credit card, therefore, a PIN is not necessary.

Q: How do I check my balance and transactions?

A: Simply visit the Program Headquarters website at www.HyundaiPromoCard.com, or call our automated system at 1-888-867-8032. Customer Service Representatives are available Monday through Thursday, 7:00 AM to 5:00 PM and Friday 7:00 AM to 4:00 PM Pacific Time, except for major holidays.

Q: What if my card is lost or stolen?

A: Call a Program Headquarters Customer Service Representative immediately at 1-888-867-8032.

Q: What do I do if I want to make a purchase that is greater than the available balance on my card?

A: Your card is only valid for the available balance on the card. If your transaction amount exceeds the available balance, your purchase will be declined.*

**You may request a "split transaction" from the merchant for purchases over the available balance. First, pay the overage using an alternative form of payment (cash, check, or charge) before having the merchant run your Hyundai Promotional MasterCard for the available balance. Not all merchants accept split transactions.*

Q: Can I make a payment or transfer funds toward a personal credit card using my MasterCard Gift Card?

A: No. Your card may be used for purchases only.

Q: Why would my card be declined at some restaurants, hotels, or places of service?

A: At the time of payment, some restaurants, hotels, or places of service will authorize your card for more than the purchase amount in order to ensure the anticipated gratuity (tip) or ancillary hotel charges you will be leaving. Because this authorization may be greater than the balance available on your card, it is possible that your card could be declined.

Q: Can I use my card at gas stations?

A: Yes. Please pay inside with the cashier, however, as your card cannot be used to "pay-at-the-pump."

Q: What happens if the funds on the card are depleted?

A: Once the funds on your card are depleted, simply destroy the card.

Q: What happens if my card expires but I still have funds available?

A: We will issue you a new card with your remaining balance for a \$5.00 Card Replacement Fee. Simply call Program Headquarters at 1-888-867-8032.

The Hyundai Promotional MasterCard is issued by The Bancorp Bank pursuant to license from MasterCard International. The Bancorp Bank; Member FDIC. MasterCard is a registered trademark of MasterCard International Incorporated.

End



HYUNDAI Technical Service Bulletin

Group	CAMPAIGN
Number	10-01-032-1
Date	OCTOBER, 2010
Model	2011 SONATA (YF)

Subject STEERING COLUMN INTERMEDIATE SHAFT CONNECTIONS INSPECTION (CAMPAIGN 097)		Date OCTOBER, 2010	
		Model 2011 SONATA (YF)	
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY MGR	<input type="checkbox"/> SALES MANAGER

THIS BULLETIN SUPERSEDES TSB 10-01-032 TO UPDATE PART NUMBERS LISTED ON PAGE 2.

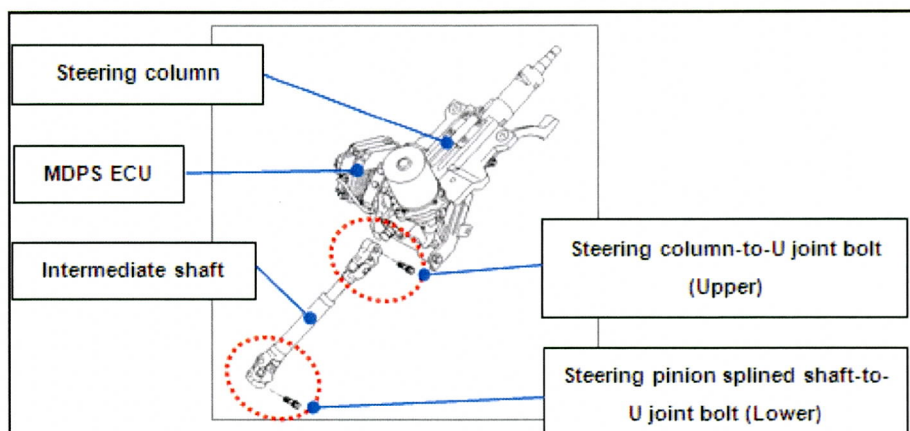
IMPORTANT: DEALERS MUST PERFORM THIS CAMPAIGN ON ALL AFFECTED VEHICLES IN STOCK BEFORE RETAIL DELIVERY AND WHENEVER AN AFFECTED VEHICLE IS IN THE SHOP FOR ANY MAINTENANCE OR REPAIR.

IMPORTANT: WHEN A VEHICLE ARRIVES AT THE SERVICE DEPARTMENT, ACCESS HYUNDAI MOTOR AMERICA'S "WARRANTY VEHICLE INFORMATION" SCREEN VIA WEBDCS TO IDENTIFY OPEN CAMPAIGNS.

IMPORTANT: GDS UNIT MUST BE UPDATED TO VERSION 1.09.05. UPDATING INSTRUCTIONS CAN BE FOUND AT WWW.HMASERVICE.COM OR CONTACT GIT AMERICA AT 1-888-437-0308.

DESCRIPTION:

This bulletin provides the recall Campaign 097 procedure for inspecting to ensure that the steering column and the upper intermediate shaft universal joint (U joint), and the steering pinion splined shaft and the lower intermediate shaft U joint are properly connected and that both attaching bolts are tightened to the specified torque.



Additionally, a procedure is provided to update the MDPS software.


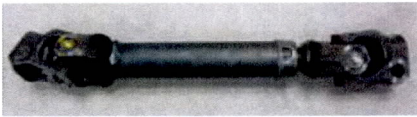


VEHICLES AFFECTED:

Model: 2011MY Sonata (YF) 2.4L

Production Date Range: December 11, 2009 through September 10, 2010

VIN Range: 5NPEC4AC6BH000216 ~ 5NPEB4AC8BH151446

PARTS REQUIRED:

PART	FIGURE	REMARK
White paint pen Examples: - Markal Pro-Line HP 96960 - White - Other white touch up paint pens such as 00284-02011JR (YF Sonata White Pearl)		Mark the steering shaft U-joint pinch bolt heads (upper and lower) after inspection. For information on local parts availability for Markal paint pens visit: http://www.markal.com
Steering column intermediate shaft P/N: 56400-3Q000		Inspect the threads in the upper and lower U-joints for damage.
Bolt, upper intermediate shaft universal joint. P/N: 56415-3Q000		Inspect for damage and torque to spec: 39.8~47.0 lb-ft
Bolt, lower intermediate shaft universal joint. P/N: 56415-3W000 (with thread locking compound).		Inspect for damage and torque to spec: 23.9~27.5 lb-ft



HYUNDAI Technical Service Bulletin

Group

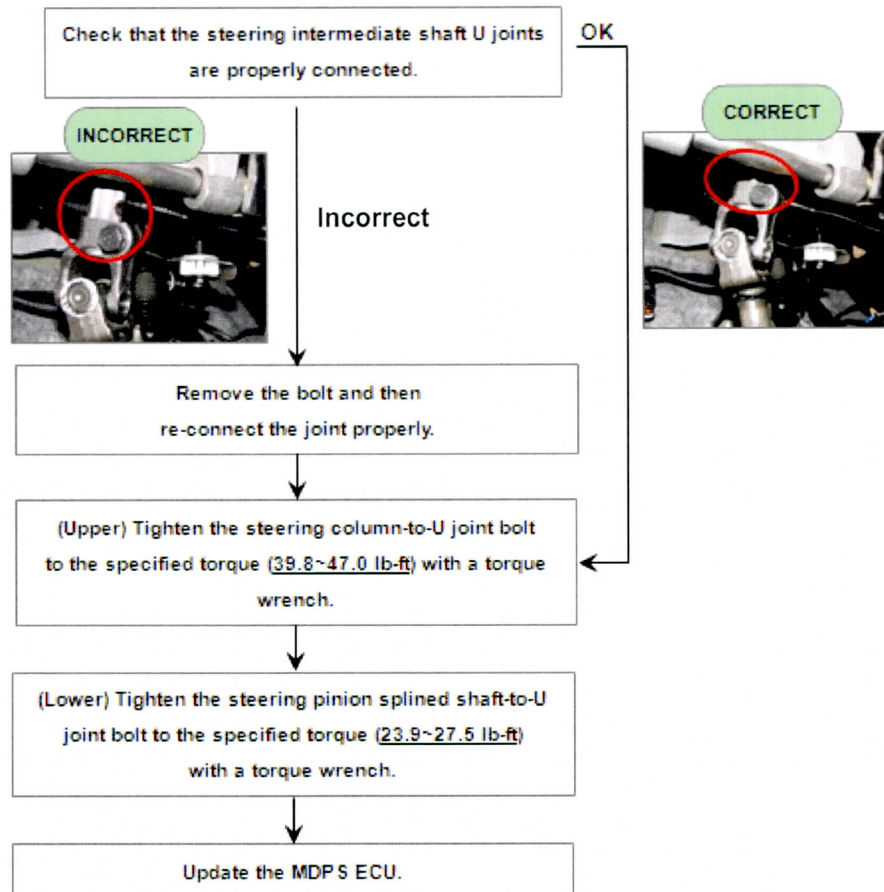
CAMPAIGN

Number

10-01-032-1

SERVICE PROCEDURE:

FLOW CHART

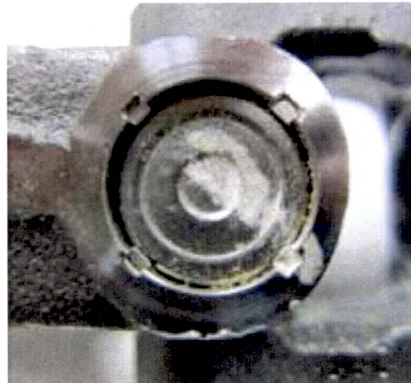


STEERING COLUMN INSPECTION PROCEDURE - STEERING COLUMN TO U-JOINT

(UPPER END OF STEERING INTERMEDIATE SHAFT)

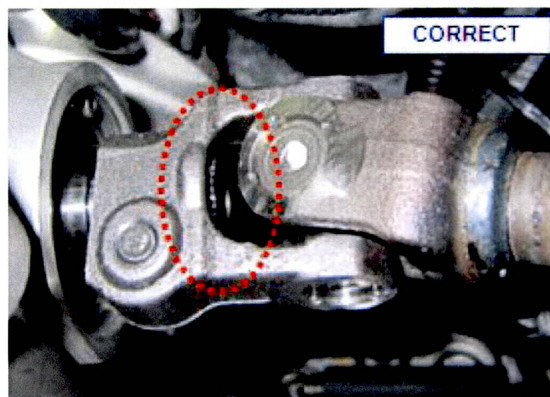
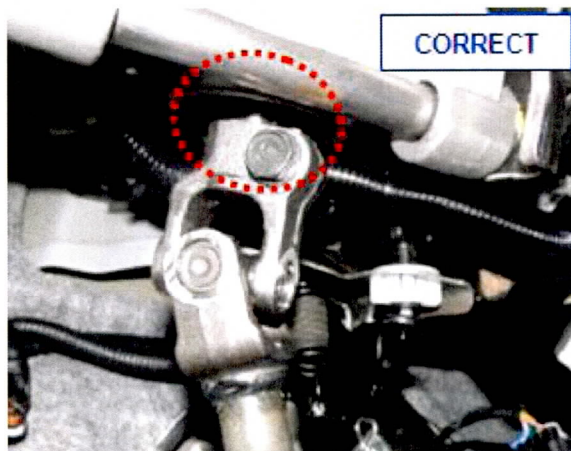
1. Inspect all 4 U-joint bearing caps. Turn the steering wheel to visually access them. Ensure they are properly fixed in the yoke by the four indentations. If the caps are loose, replace the steering intermediate shaft assembly.

NOTE: If the shaft is replaced, submit a claim (in addition to the campaign claim) under normal warranty.



2. Visually check that the steering column and the U joint are properly connected as shown in the picture on the right.

NOTE: Look to verify that the end of the steering shaft protrudes about 1/8" into the void of the U-joint (see image). It is not seated properly if it does not protrude slightly.



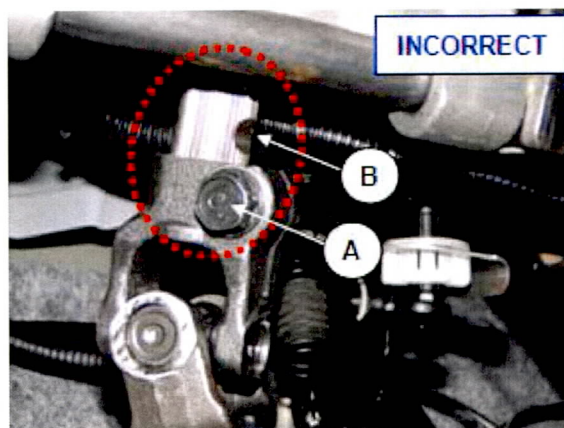


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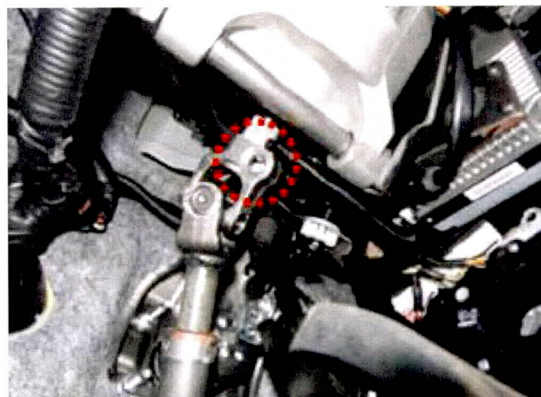
Group	CAMPAIGN
Number	10-01-032-1

3. If the steering column and the U joint are improperly connected as shown in the picture on the right, re-connect the U joint to the steering column according to the steps below. If properly connected, go to step 8.

NOTE: The steering column-to-U joint bolt (A) must be fastened through the groove (B) in the end of the steering column.



4. Remove the steering column-to-U joint bolt.

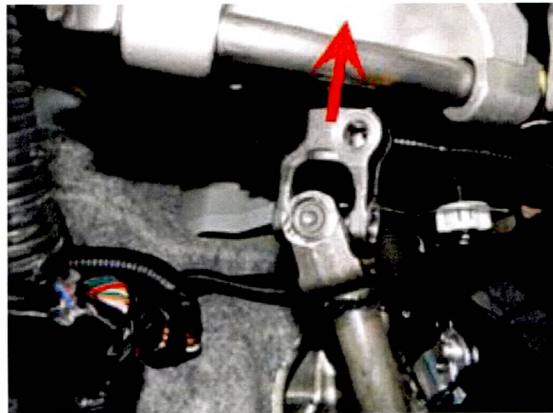


5. Inspect the bolt for damage/ stripping/cross-threading. Inspect the corresponding threads in the U-joint. Replace both if damage is found.

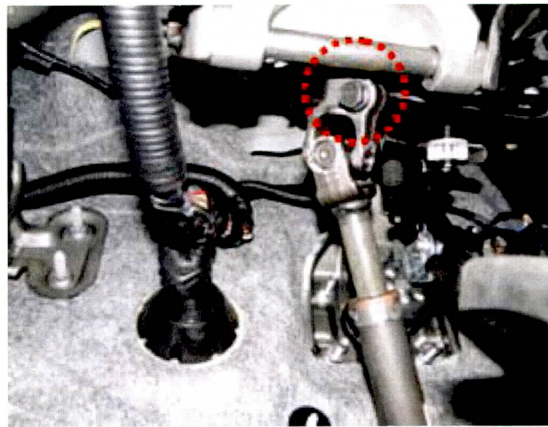
NOTE: If the bolt and intermediate shaft are replaced, submit a claim (in addition to the campaign claim) under normal warranty.



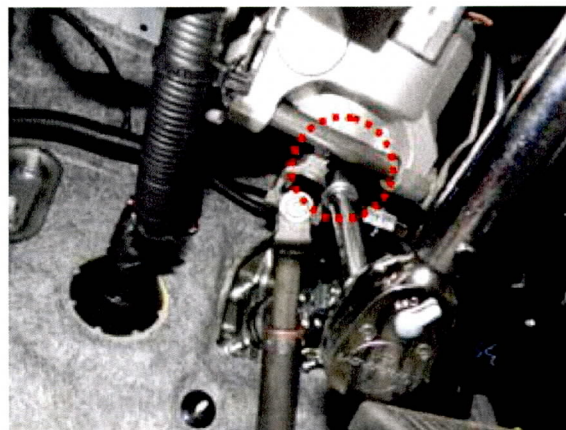
6. Pull the U joint up until the bolt hole in the U joint is aligned with the groove in the end of the steering column.



7. Insert the steering column-to-U joint bolt into the bolt hole and check that the bolt passes through the groove.



8. Torque the steering column-to-U joint bolt to **39.8~47.0 lb-ft, (53.9~63.7 N-m, 5.5~6.5 kgf-m)** with a torque wrench.





HYUNDAI Technical Service Bulletin

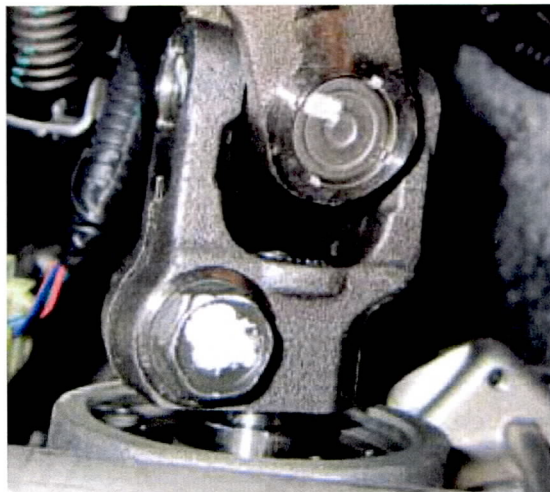
Group

CAMPAIGN

Number

10-01-032-1

9. Mark the bolt head with a white paint pen to complete inspection procedure.

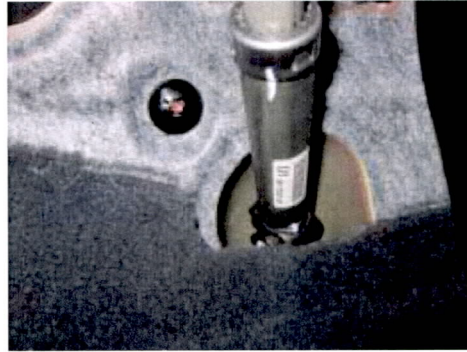


STEERING COLUMN INSPECTION PROCEDURE - STEERING PINION SPLINED SHAFT TO U-JOINT

(LOWER END OF STEERING INTERMEDIATE SHAFT)

1. Pull back carpet to access lower end of steering intermediate shaft.
2. Inspect all 4 U-joint bearing caps. Turn the steering wheel to visually access them. Ensure they are properly fixed in the yoke by the four indentations. If the caps are loose, replace the steering intermediate shaft assembly.

NOTE: If the shaft is replaced, submit a claim (in addition to the campaign claim) under normal warranty.



3. Visually check that the steering pinion splined shaft and the U joint are properly connected as shown in the picture on the right.

NOTE: Look to verify that the end of the splined shaft protrudes about 1/4" into the void of the U-joint (see image). It is not seated properly if it does not protrude slightly.



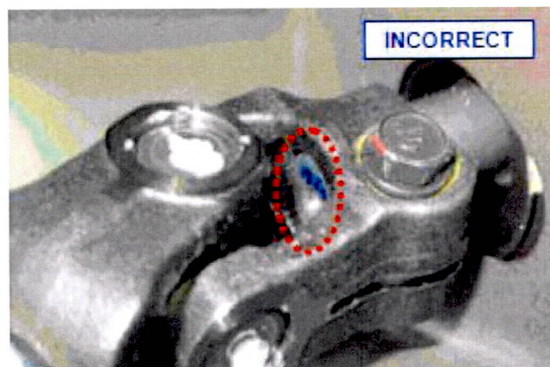


HYUNDAI Technical Service Bulletin

Group	CAMPAIGN
Number	10-01-032-1

4. If the splined shaft and the U joint are improperly connected as shown in the picture on the right, re-connect the U joint to the steering column according to the below steps. If properly connected, go to step 9.

NOTE: The steering pinion splined shaft-to-U joint bolt must be fastened through the groove in the end of the splined shaft.



5. Remove the steering column-to-U joint bolt.

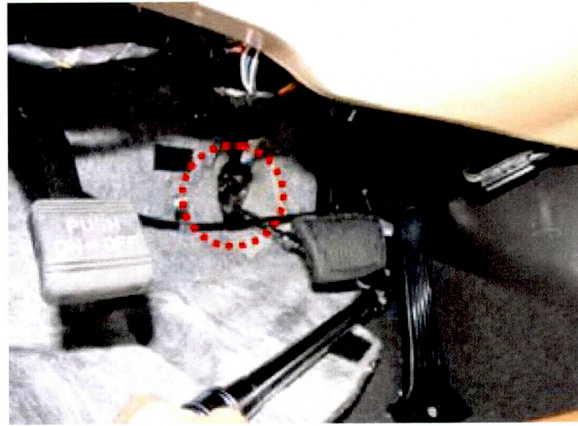
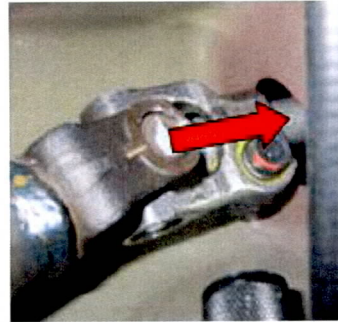


6. Inspect the bolt for damage/ stripping/cross-threading. Inspect the corresponding threads in the U-joint. Replace both if damage is found.

NOTE: If the bolt and intermediate shaft are replaced, submit a claim (in addition to the campaign claim) under normal warranty.



7. Push the U joint onto the splined shaft until the bolt hole in the U joint is aligned with the groove in the splined shaft.
8. Insert the bolt into the bolt hole and check that the bolt passes through the groove.
9. Torque the steering pinion splined shaft-to-U joint bolt to **23.9~27.5 lb-ft, (32.4~37.3 N-m, 3.3~3.8 kgf-m)** with a torque wrench.



10. Mark the bolt head with a white paint pen to complete the inspection procedure.





HYUNDAI Technical Service Bulletin

Group

CAMPAIGN

Number

10-01-032-1

SERVICE PROCEDURE - MDPS SOFTWARE UPDATE

NOTE: To verify the vehicle is affected, be sure to check the version of the MDPS ECU ROM ID with reference to the table below before attempting to update the MDPS ECU.

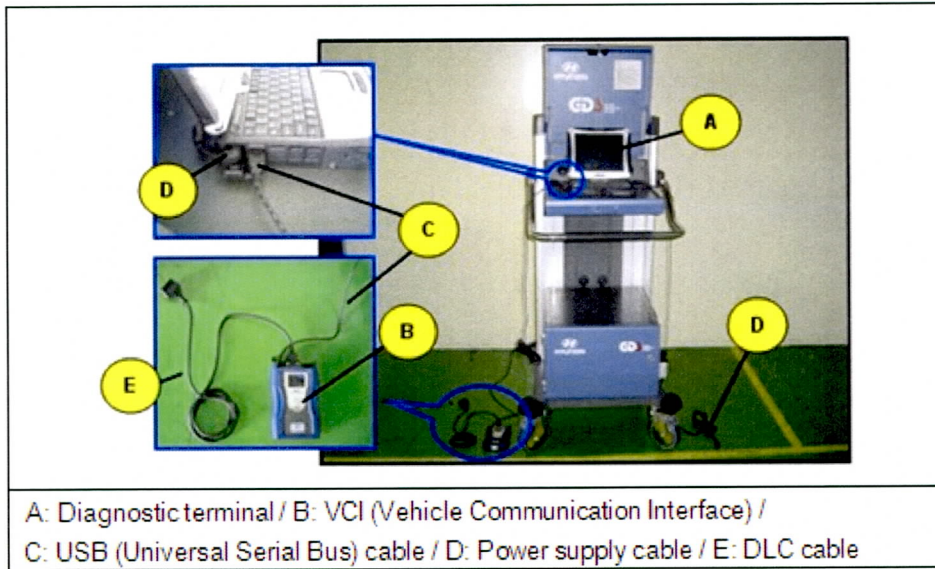
MDPS ECU ROM ID TABLE

MODEL	STEERING COLUMN P/N	ROM ID	
		PREVIOUS	NEW
2011 Sonata (YFA 2.4L)	56310-3Q200	4YFH0911	4YFJ1008
	56310-3Q400	4YFH0912	

CAUTION: During MDPS ECU update:

1. Make sure the vehicle's battery has reasonable charge by connecting a power supply to the vehicle's battery.
2. Turn off all lamps (do not leave head lamp switch in auto mode) and all accessories (including heater, A/C, blower, radio, seat warmer, defroster, etc.) to prevent battery discharge during the update.
3. Perform update with the ignition switch in the ON position.
4. Be careful not to disconnect any cables connected to the vehicle or scan tool during update.
5. Do not start the engine during update.
6. Do not turn off the ignition switch during update.

GDS Installation Procedure



1. Connect a power supply to the vehicle's battery to ensure adequate voltage during the update.
2. Connect the power supply cable to the diagnostic terminal.

NOTE: If attempting to perform the update with the power supply cable disconnected from the diagnostic terminal, make certain that the diagnostic terminal is charged enough for the update. If not, the update may fail in progress. Therefore, it is strongly recommended to connect the power supply cable to the diagnostic terminal during the update procedure.

3. Connect the USB cable between the VCI and the diagnostic terminal.

NOTE: When performing the update using the GDS, wireless communication between the VCI and the diagnostic terminal is NOT available. Therefore, be sure to connect the USB cable between the VCI and the diagnostic terminal.

4. Connect the 16-pin DLC cable from the VCI into the vehicle's 16-pin connector under the driver side instrument panel.
5. Turn on the VCI and diagnostic terminal with the ignition key in the ON position. If equipped with button engine start system, push the engine start button twice WITHOUT depressing the brake pedal.

CAUTION: Do not start the engine.



HYUNDAI Technical Service Bulletin

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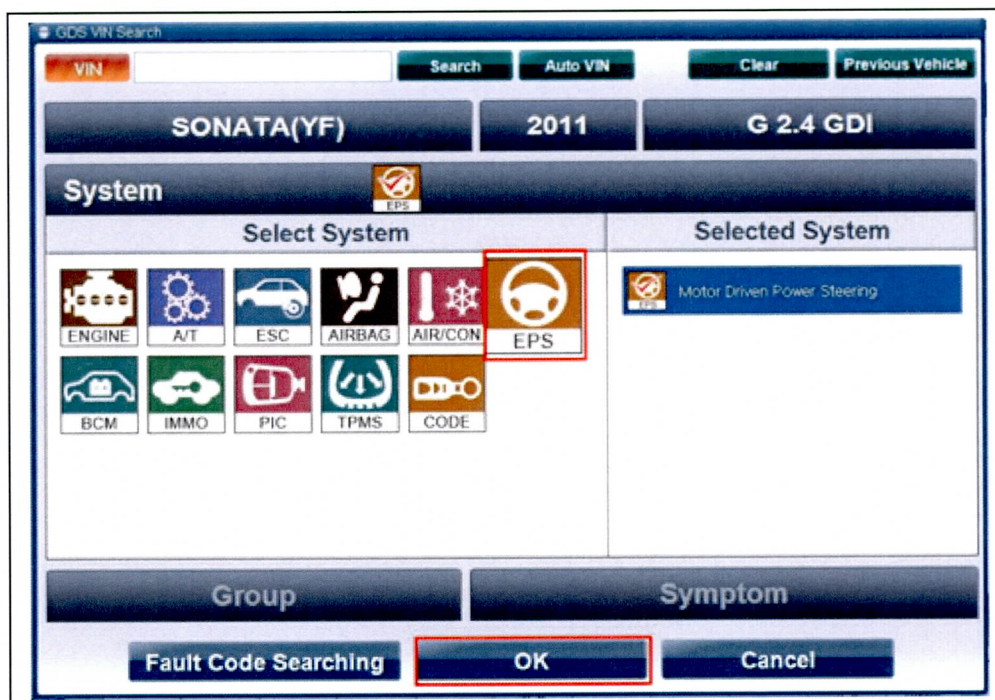
CAMPAIGN

Number

10-01-032-1

AUTOMATIC UPDATE PROCEDURE

1. Choose **VIN** or **ECU Update** on the initial screen.
2. Enter the vehicle information by pressing the **VIN Auto Detect** button, entering the vehicle's VIN or selecting the vehicle model, model year, engine/fuel type and **EPS** as the system and then click **OK**.



3. Select **ECU Update** on the initial screen after entering the vehicle information.
4. Select **Auto Mode** then **EPS** in the left **ECU Update** column.
5. Read **Preparation** and click **OK**.
6. The GDS will read the vehicle's **ROM ID**.
7. After the **Current ROM ID** is displayed, select the **Update Event**, "**207.YFA MDPS UPDATE.**"
8. After clicking the **Update** button, read Information then click **OK**.
9. The vehicle battery voltage is checked to make sure it is at least 12 volts to ensure reliable update results. Click **OK** if the results indicate Voltage is OK.

CAUTION: If voltage is below 12 volts, click **Cancel** and then connect a power supply to the vehicle's battery to ensure adequate battery charge state for reliable update results.

10. Update will begin and the progress of the update will appear on the bar graph. Progress bar will update every few seconds. Check to ensure proper update progress. Update will occur until 100% is reached on the bar graph.
11. Turn the ignition key OFF for 10 seconds, place it back in the ON position and then click **OK** to continue according to Information displayed on the screen.
12. Click **OK** on the final screen, which indicates update is complete.
13. Check **all systems** for any incidental **Diagnostic Trouble Codes (DTCs)**. Clear any **DTC(s)** present.
14. Start the engine to confirm proper operation of the vehicle.

MANUAL UPDATE PROCEDURE

CAUTION: Manual update should be performed only when automatic update fails.

CAUTION: If automatic update fails, turn the ignition key OFF for about 10 seconds, place it back in the ON position to reset the control unit before performing manual update.

1. Within the **ECU Update screen**, select **Manual Mode** in the left column, then select **Update Event #207**. Select the appropriate control unit part number with reference to the ROM ID Information Table and click **OK**.

The screenshot shows the 'ECU Upgrade' software interface. At the top, there's a title bar 'ECU Upgrade'. Below it, there are two tabs: 'Event' (selected) and 'EventList'. To the right of the tabs is a 'TSB' button. Under the 'Event' tab, there are two input fields: 'Current ROM ID' and 'Latest ROM ID'. The 'Latest ROM ID' field contains the text '4YFJ1008'. Below these fields, a table lists available control units. The first row is highlighted in blue and contains the text 'YFA MDPS 56310-3Q200/400'. At the bottom of the screen, there are two buttons: 'Previous' and 'Upgrade'.



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2. Enter the appropriate password from the table below then click **OK**.

MENU	PASSWORD
YFA MDPS : 56310-3Q200/400	3400

3. The vehicle battery voltage is checked to make sure it is at least 12 volts to ensure reliable update results. Click **OK** if the results indicate Voltage is OK.

CAUTION: If voltage is below 12 volts, click Cancel and then connect a power supply to the vehicle's battery to ensure adequate battery charge state for reliable update results.

4. Update will begin and the progress of the update will appear on the bar graph. Progress bar will update every few seconds. Check to ensure proper update progress. Update will occur until 100% is reached on the bar graph.
5. Turn the ignition key OFF for 10 seconds, place it back in the ON position and then click **OK** to continue according to Information displayed on the screen.
6. Click **OK** on the final screen, which indicates update is complete.
7. Check all systems for any incidental **Diagnostic Trouble Codes (DTCs)**. Clear any **DTC(s)** present.
8. Start the engine to confirm proper operation of the vehicle.

WARRANTY INFORMATION:

OP CODE	OPERATION	OP TIME
10BA28R0	STEERING COLUMN INSPECTION AND MDPS ECU UPDATE	0.4 M/H

NOTE: If the steering intermediate shaft and U-joint pinch bolts are replaced, submit an additional claim under normal warranty.

NOTE: Submit claim on campaign claim entry screen.