



HYUNDAI

Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 12-01-019
DATE JULY 2012	MODEL(S) SONATA (YF) SONATA (YF-HEV)

SUBJECT SONATA YF AND YF-HEV CURTAIN AIRBAG (CAB) REPLACEMENT (CAMPAIGN 106)

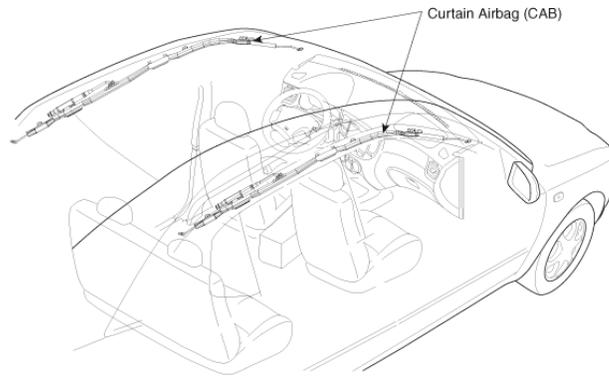
★ IMPORTANT

*** Dealer Stock and Retailed ***

Dealers must perform this Campaign on all affected vehicles prior to customer retail delivery 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 procedure to replace the Curtain Airbag (CAB) on Sonata YF and YF-HEV vehicles.



Applicable Vehicles:

- 2012 – 2013 Sonata YF produced from 1/24/2012 to 6/21/2012
- 2012 – 2013 Sonata YF-HEV produced from 1/24/2012 to 6/21/2012

Parts Information:

PART NAME	BEFORE	AFTER	QTY
CURTAIN A/BAG MODULE,LH	85010-3Q000	85010-3Q000QQH	1
CURTAIN A/BAG MODULE,RH	85020-3Q000	85020-3Q000QQH	1
CLIP KIT	N/A	85815-3S400	2
CLIP KIT		85849-3Q000	2

Warranty Information:

OP CODE	OPERATION	OP TIME
21CA03R0	Driver CAB Replacement	1.8 M/H
21CA03R1	Passenger CAB Replacement	1.8 M/H
21CA03R2	Driver and Passenger CAB Replacement	1.9 M/H

NOTE: Submit Claim on Campaign Claim Entry Screen

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

The YF and YF-HEV Vehicle Tracking Data Sheet on the following page must be faxed or emailed to the following:

Fax #: 714-965-5097

OR

Email:

HMAcampaign@hmausa.com

- *Ensure all fields are completed including the Curtain Airbag (CAB) Serial Number of the airbag that was replaced.*
- *All Data sheets are subject to warranty review.*

YF and YF-HEV Vehicle Tracking Data Sheet Campaign 106		 HYUNDAI NEW THINKING. NEW POSSIBILITIES.	
Date:		VIN:	
Dealer Code:		Mileage:	
Technician:		Prod Date:	
1. RECORD THE ORIGINAL CAB SERIAL NUMBERS FROM INSIDE THE VEHICLE:			
LH (Driver side)	Serial Number:	-----	
RH (Passenger side)	Serial Number:	-----	
2. RECORD THE CAB SERIAL NUMBERS THAT WERE REPLACED: (Write N/A in the Serial Number column if the Airbag was not replaced)			
LH (Driver side)	Serial Number:	-----	
RH (Passenger side)	Serial Number:	-----	
			
Repair Comments (if applicable):		Service Manager (print name): _____	
		Signature: _____ Date: _____	

REQUIRED

**YF and YF-HEV Vehicle
Tracking Data Sheet Campaign
106**



HYUNDAI

NEW THINKING.
NEW POSSIBILITIES.

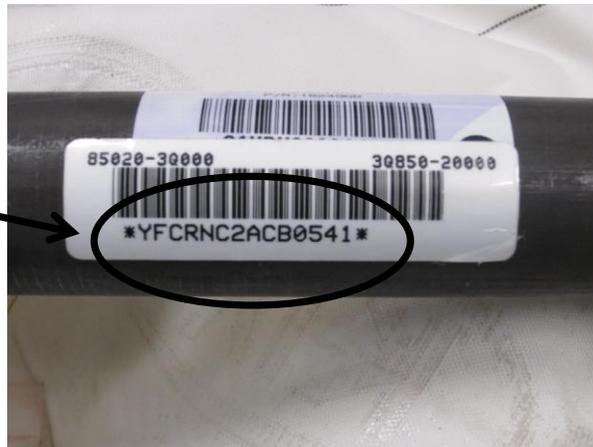
Date:		VIN:	
Dealer Code:		Mileage:	
Technician:		Prod Date:	

1. RECORD THE ORIGINAL CAB SERIAL NUMBERS FROM INSIDE THE VEHICLE:

Driver side	Serial Number:	_____
Passenger side	Serial Number:	_____

**2. RECORD THE CAB SERIAL NUMBER(S) THAT WAS REPLACED:
(Write N/A in the Serial Number box if the CAB was not replaced)**

Driver side	Serial Number:	_____
Passenger side	Serial Number:	_____



*** NOTE**

The serial number is a 14 digit number. Please clearly write down all the numbers.

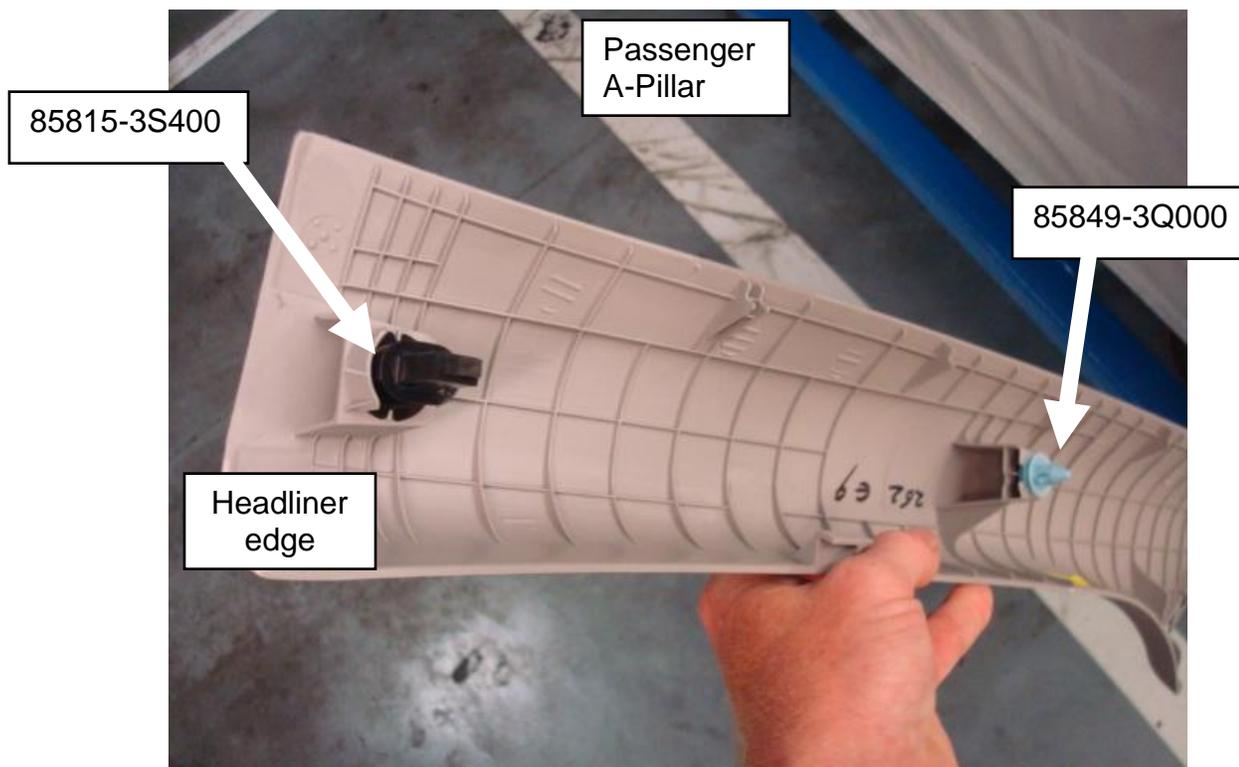
Repair Comments (if applicable):

Service Manager (print name): _____

Signature: _____ Date: _____

*****THIS COMPLETED DATA SHEET IS REQUIRED TO BE SUBMITTED BY:
FAX (714-965-5097) OR EMAIL (HMAcampaign@hmausa.com)*****

IMPORTANT: All repairs regardless of Passenger, Driver or both sides, ***must*** include two (2) each of 85815-3S400 (CLIP-TRIM MTG) and 85849-3Q000 (CLIP-TRIM MTG) to replace the clips on the LH and Passenger A-pillar trim. (See clip locations and images below.)



Service Procedure:

1.
 - a. Verify the vehicle VIN has open Campaign 106.
 - b. Verify which airbag needs to be replaced left(driver side), right(passenger side), or both, based on the OPCODE listed on the screen.
 - c. Verify all necessary parts are on-hand.
 - d. Write down the customer's AM, FM, and XM radio preset stations.
 - e. Wear a set of clean rubber gloves before starting procedure.

* NOTE

Use extreme care when removing the trim components so stress marks, creases, or cracks are not created. Wear clean gloves when handling interior trim components (A, B, C-pillar trim, assist handles, sunvisors, overhead console, and room lamp) and headliner.

2. Carefully remove the body-side weatherstripping and A, B, and C-pillar trim panels following procedures detailed in the 2012-2013 Sonata Service Manual (Body Group(BD) section)

Disconnect connector MR01 at the Driver A-pillar and then remove the Roof Harness clips from the A-pillar.

Disconnect the connector on Driver A-pillar head liner.



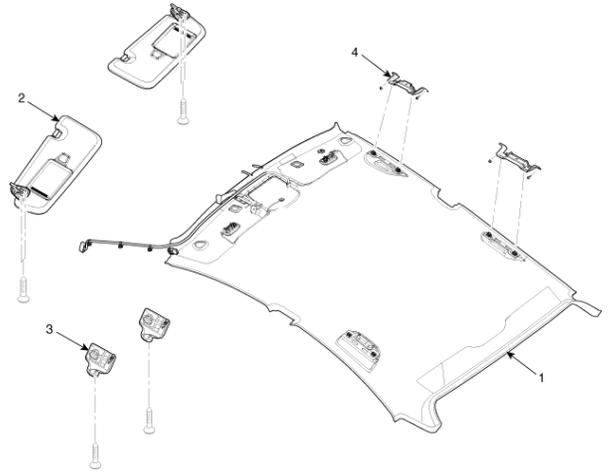
WARNING

Disconnect the negative battery cable and wait 5 minutes prior to any Supplemental Restraint System (SRS) repairs. Do not forget to write down the customer's preset stations for AM, FM, and XM.



3. Follow the removal procedures detailed in the 2012 – 2013 Sonata Service Shop Manual (Body Group(BD) section) to remove the interior roof items.

- a. Driver and Passenger Sunvisors and retainers.
- b. Overhead Console and Room Lamp.
- c. Driver and Passenger front and rear Assist Handles, and Headliner Clips.
- d. Blue Link Mirror Connector.



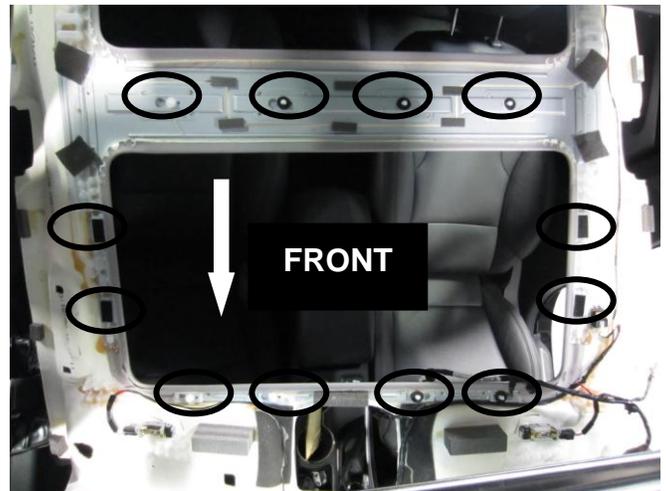
*** NOTE**

If vehicle is equipped with Sunroof or Panoramic Sunroof - use caution when removing the headliner clips around the sunroof opening to prevent damage to the headliner. Wear clean gloves to prevent contamination to the headliner.

For the vehicle equipped with sunroof - Note the mounting clips location along with the velcro.

*** NOTE**

In the picture to the right, the front of the vehicle is on the bottom.



4. Place a protective cover over the dash to avoid permanent markings/scuffings on the dash panel from the corner of the headliner edges.

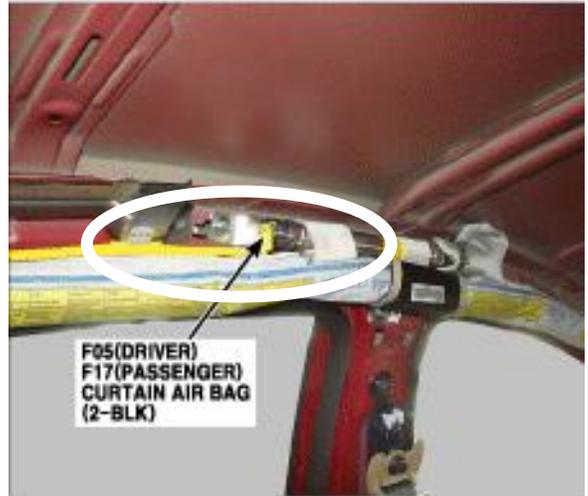
Remove both the driver and passenger headrest and then lower the headliner.



5. Record the Serial Number to the tracking sheet on page 3 of this TSB.
6. Carefully disconnect the Floor Harness connection to CAB inflator canister.
 - For Driver CAB, connector F05
 - For Passenger CAB, connector F17

*** NOTE**

Ensure the locking tab is released prior to separating the connector. Do not pull on the wires to disconnect the harness from CAB.



7. Remove all mounting bolts and nuts from the CAB assembly and remove the CAB from the vehicle.

*** NOTE**

Use caution when removing the CAB from the vehicle to prevent damage to the vehicle.



⚠ WARNING

Handle un-deployed CAB modules with care. Improper handling or static discharge can result in airbag deployment.

8. Refer to the 2012 – 2013 Sonata Service Shop Manual (Restraint (RT) section) for Airbag Module Disposal.

9. Install the new CAB in the vehicle following the procedures in the 2012 – 2013 Sonata Service Shop Manual (Restraint (RT) section). Torque each nut and bolt to the proper specs.

*** NOTE**

Tightening torque:

Bolts : 9.8 ~ 14.7 N.m (1.0 ~ 1.5 kgf.m, 7.2 ~ 10.8 lb-ft)

Nuts : 7.8 ~ 11.8 N.m (0.8 ~ 1.2 kgf.m, 5.8 ~ 8.7 lb-ft)

10. Reconnect the CAB connector by seating the yellow portion of the connector followed by pushing on the seating locking tab.

*** NOTE**

If the secondary lock or connector is not properly engaged, DTC(s) may results.

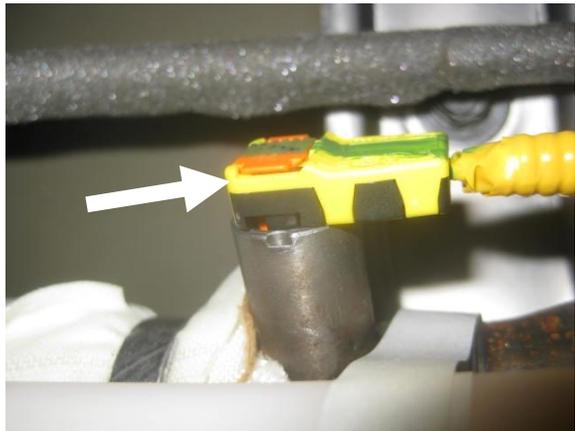
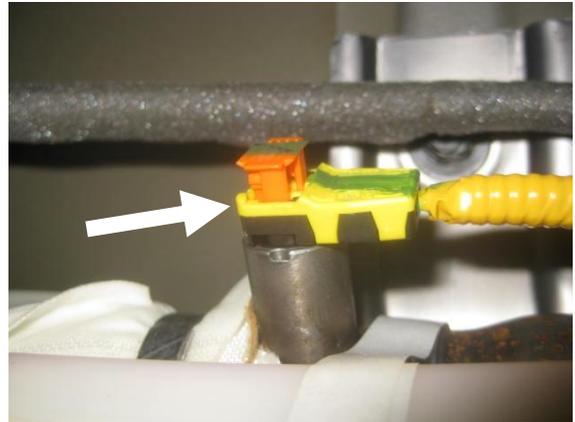
11. Reinstall the remaining components in reverse order per the 2012 – 2013 Sonata Shop Manual (Restraint (RT) and Body section).

*** NOTE**

The tether clips **MUST** be replaced prior to installing the A-pillar trim pieces.

WARNING

HANDLE WITH CAUTION!
Never twist the curtain airbag module during installation. If the curtain airbag module is twisted, it may not operate as designed.



12. Reconnect the negative battery cable after all the components have been re-installed to the vehicle.
13. Check for any incidental Diagnostic Codes (DTC) using the GDS tool. Clear all DTC(s) from the vehicle, and then proceed with clearing the DTC(s) from the Blue Link system. Refer to the Blue Link DTC clearing procedure in TSB 12-BE-005-2.
14. Program the customer's AM, FM, and XM radio preset stations.