



GROUP

MODEL

ELE

2011-2015MY
Sorento (XMa)

NUMBER

DATE

108 (Rev 1, 12/11/2024)

June 2016

TECHNICAL SERVICE BULLETIN

SUBJECT:

AIRBAG WARNING LIGHT ON (WTY003)

 NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides information related to the replacement of the clock spring assembly on 2011MY - 2015MY Sorento (XMa) vehicles. Kia is extending the warranty coverage for the driver's front airbag clock spring assembly on the 2011-2015 MY Sorento vehicles, manufactured from 10/24/2009 through 12/17/2014, to fifteen (15) years with unlimited mileage, starting from the date of first service. This warranty extension addresses failures of the driver's front airbag clock spring, as well as the diagnosis of any concerns related to the airbag warning light. If the Airbag Warning Light is on with any of the DTCs listed below, follow the procedure outlined to resolve the issue.

DTC Description:**B1346/B134600 Driver Airbag Resistance Too High (1st Stage)****B1347/B134700 Driver Airbag Resistance Too Low (1st Stage)****B1481/B148100 Driver Airbag Resistance Too High (2nd Stage)****B1482/B148200 Driver Airbag Resistance Too Low (2nd Stage)****B1348/B134800 Driver Airbag Resistance Circuit Short to Ground (1st Stage)****B1349/B134900 Driver Airbag Resistance Circuit Short to Battery (1st Stage)****B1483/B148300 Driver Airbag Resistance Circuit Short to Ground (2nd Stage)****B1484/B148400 Driver Airbag Resistance Circuit Short to Battery (2nd Stage)** NOTICE

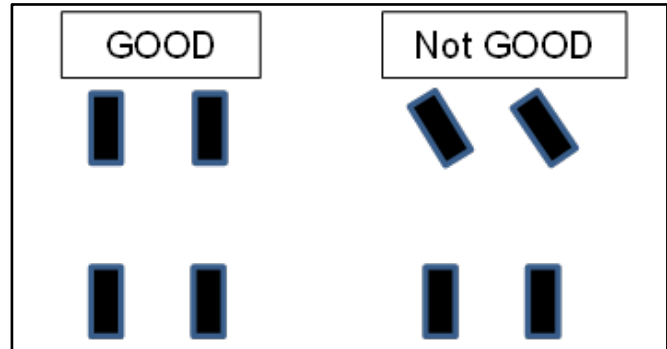
A Technical Service Bulletin is a field fix repair program without customer notification that may be performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Replacement Procedure:

1. Place the ignition key in the "ON" position and record the customer's radio presets.
2. Turn the steering wheel so that the front wheels face straight ahead.

**CAUTION**

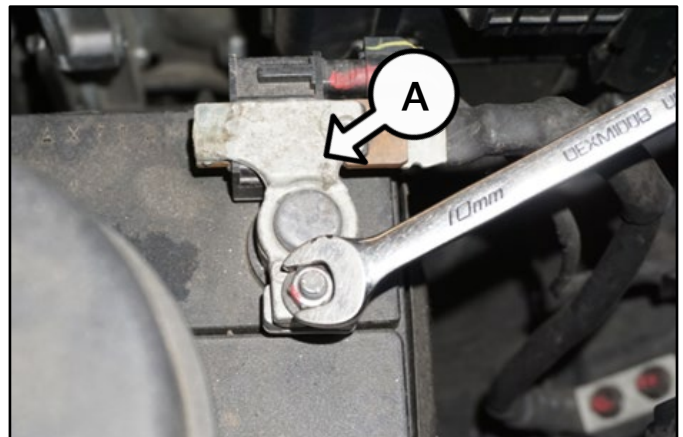
Use a non-marring trim removal tool (such as Snap-on® P/N PBN5 or equivalent) to avoid damaging trim pieces. Be sure to wear disposable gloves throughout this procedure to avoid soiling any interior trim components.



3. Turn the ignition "OFF", and disconnect the negative battery terminal (A).

**NOTICE**

After disconnecting the negative battery terminal, wait about thirty (30) seconds before proceeding with the repair.



4. Remove the airbag by loosening the T20 Torx® bolts located behind the steering wheel.

**CAUTION**

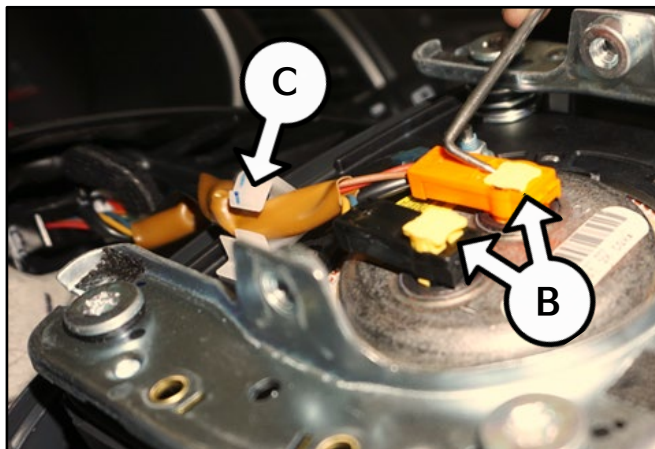
The removed airbag module should be stored in a clean, dry place with the pad cover face up.



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AIRBAG WARNING LIGHT ON (WTY003)

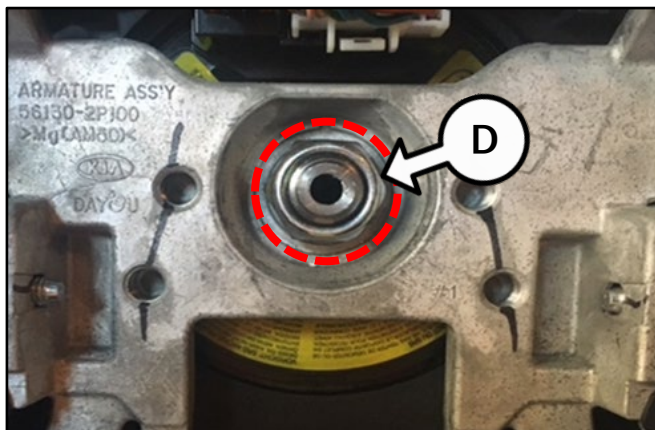
5. Disconnect the two (2) electrical connectors (B) and harness retaining clip (C), as shown.



6. Loosen to remove the steering wheel lock nut (D).



Tightening torque for lock nut (D):
28.9 - 36.2 lb.ft (39.2 - 49.0 N.m)

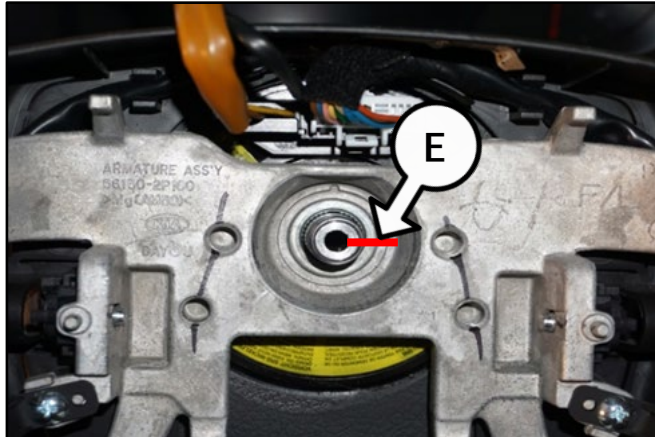


- 7a. Mark the steering wheel (E) to assist in realignment.

- 7b. Using a steering wheel puller, remove the steering wheel (E).

**CAUTION**

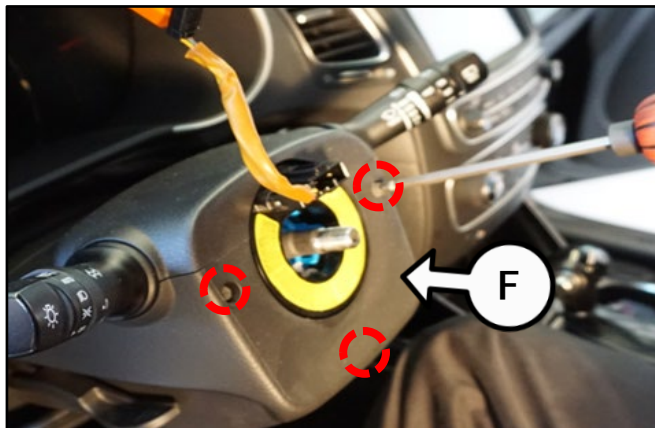
DO NOT use a hammer to remove the steering wheel as it may damage the steering column.



8. Loosen the three (3) screws to remove the steering column cover (F).

**NOTICE**

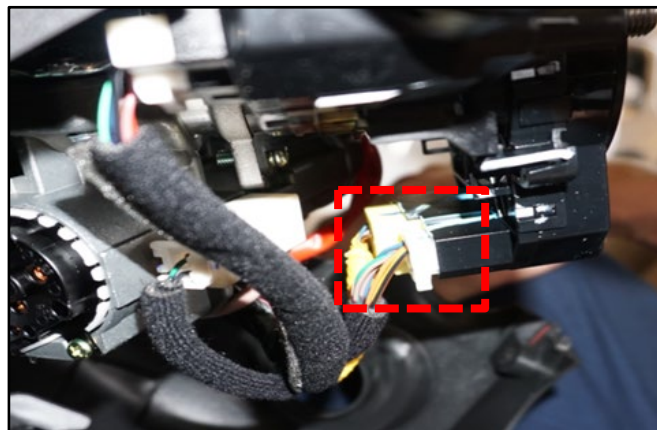
Use caution not to damage the steering column cover (F) with the screwdriver.



- 9a. Disconnect the connectors behind the clock spring.
- 9b. Unclip and remove the clock spring from the column.

❶ IMPORTANT

When installing the new clock spring, leave the alignment tool in the clock spring until the steering wheel is back on to ensure that the clock spring stays in alignment with the steering wheel.



10. Reinstall all removed parts in reverse order or removal.
11. Restore the customer's radio presets as recorded in step 1.
12. Confirm normal vehicle operation.

SUBJECT:

AIRBAG WARNING LIGHT ON (WTY003)**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Sorento (XMa)	October 24, 2009 to December 17, 2014

REQUIRED TOOL:

Tool Name	Figure	Comments
Generic Steering Wheel Puller		Locally sourced

REQUIRED PART:

Model	Old Part Number	New Part Number	Qty.
XMa	93490 1U480	93490 1U125FFF	1
	93490 1U480CA		
	93490 1U180		
	93490 1U380	93490 1U325FFF	
XMa F/L	93490 1U120	93490 1U125FFF	2
	93490 1U320	93490 1U325FFF	

WARRANTY INFORMATION:**N Code: I3R C Code: ZZ3****AIRBAG WARNING LIGHT ON:**

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	93490 1U125FFF OR 93490 1U325FFF (Heated Steering Wheel)	1	Clock Spring Assy Replacement	242A40RO	0.6 M/H	Refer to Parts Table	1

AIR BAG LAMP ON DIAGNOSIS ONLY (NO CLOCK SPRING ASSY REPLACEMENT):

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	93490 1U125FFF OR 93490 1U325FFF (Heated Steering Wheel)	1	KDS Operation Clock Spring	242A40IO	0.2 M/H	N/A	0

Note: The clock spring replacement labor op includes diagnostic scan time. As per Warranty Bulletin 2020-16, all diagnostic scan RQ0 labor operation codes for repairs were reduced to 0.2 hours effective for repairs with an RO open date on or after August 1, 2020.

