



GROUP
**Safety Recall
Campaign**

MODEL
**2014MY
Sorento (XMa)
2.4L FWD**

NUMBER
099

DATE
September 2013

VOLUNTARY SAFETY RECALL CAMPAIGN

**SUBJECT: RIGHT FRONT AXLE DRIVESHAFT REPLACEMENT
PROCEDURE (SC099)**

This bulletin provides information relating to the replacement of the right front axle driveshaft in certain 2014MY Sorento (XMa) vehicles equipped with the 2.4-liter engine and front-wheel drive, produced from January 7, 2013 through March 12, 2013. There is a possibility that the tubular right hand driveshaft may, on rare occasions, develop a crack in the area of the stub at the wheel end of the shaft. The crack may lead to a separation of the shaft causing a loud noise, followed by the vehicle losing motive power. In addition, if the parking brake is not engaged when the vehicle is parked on an incline, it may roll. In either case a crash could result.

To correct this concern and improve customer satisfaction, Kia is launching this safety recall campaign to replace the right front axle driveshaft on all affected vehicles.

*** NOTICE**

There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicles until it has been repaired pursuant to the procedures set forth in this bulletin.

*** NOTICE**

To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service > Warranty Coverage >Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

File Under: <Voluntary Safety Recall Campaign>

Circulate To: General Manager Service Manager Parts Manager

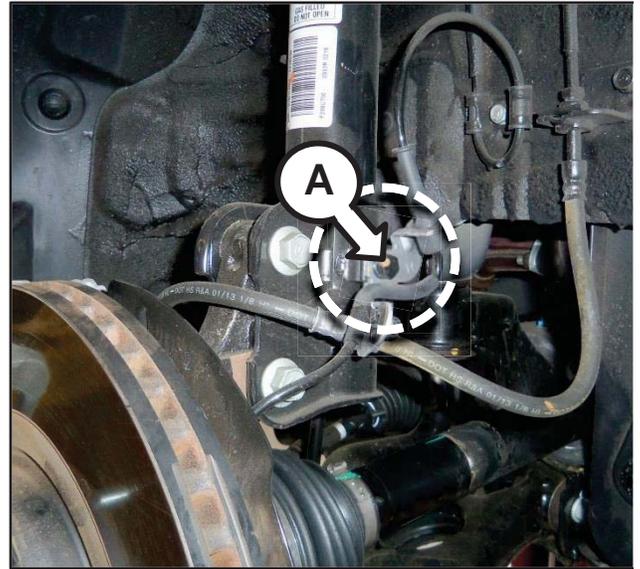
Service Advisor(s) Technician(s) Body Shop Manager Fleet Repair

Right Front Axle Driveshaft Replacement Procedure:

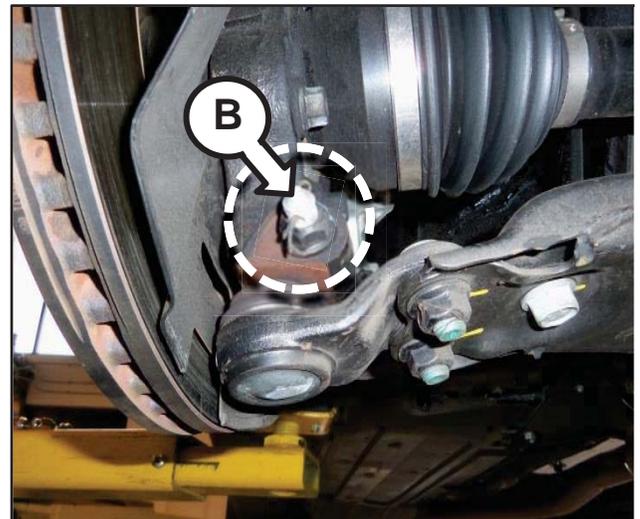
1. Place the ignition key in the "OFF" position.
2. Raise the vehicle and remove the right front wheel assembly.

**Lug nut tightening torque:
65.1 ~ 79.6lb-ft (88.3 ~ 107.9Nm)**

3. Remove the brake line/ABS/Wheel Speed Sensor retaining bracket (A) from the strut body.



4. Remove the cotter pin, nut and pinch bolt (B) securing the lower control arm ball joint to the spindle. Discard the cotter pin.



*** NOTICE**

Use a new cotter pin when reinstalling the lower control arm.

**Pinch bolt tightening torque:
72.3~86.7 lb-ft (98~117.6 Nm)**

SUBJECT:

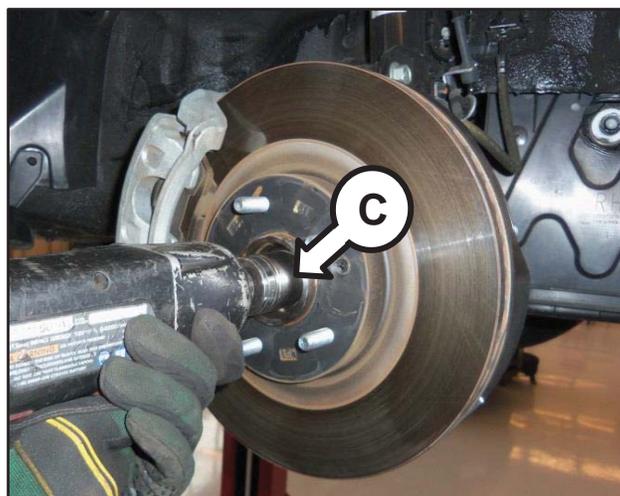
RIGHT FRONT AXLE DRIVESHAFT REPLACEMENT PROCEDURE (SC099)

- Remove the axle retaining nut (C) from the hub. Discard the used axle nut.

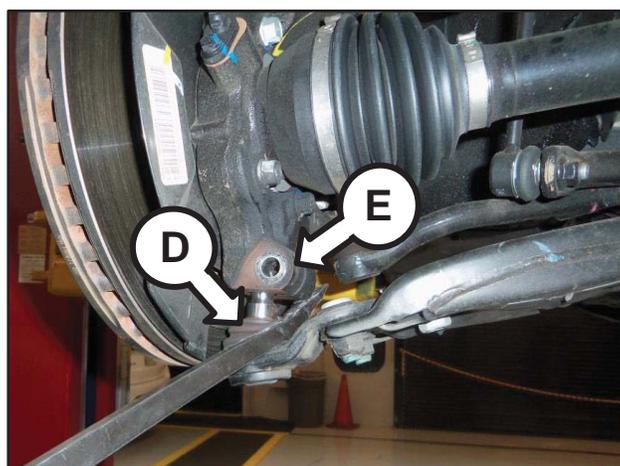
* NOTICE

Perform the final tightening of the axle nut using a torque wrench.

**Axle nut tightening torque:
159.1lb-ft (215.7 Nm)**



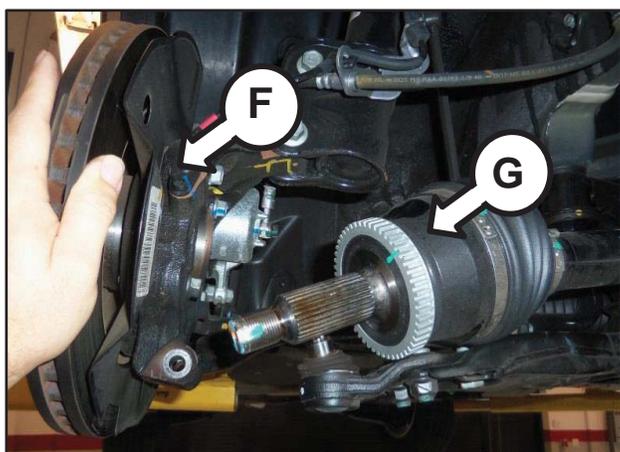
- Remove the control arm ball joint (D) from the spindle (E) using a pry bar.



- Gently rotate the hub assembly (F) away from the axle (G).

* NOTICE

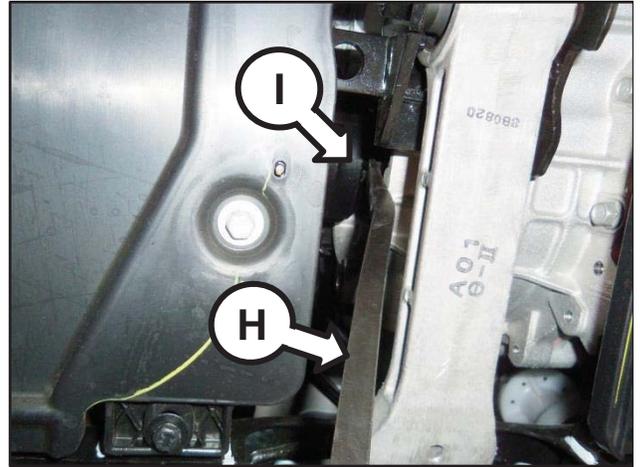
Avoid placing excessive tension on the brake line or the ABS/Wheel Speed sensor harnesses.



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RIGHT FRONT AXLE DRIVESHAFT REPLACEMENT PROCEDURE (SC099)

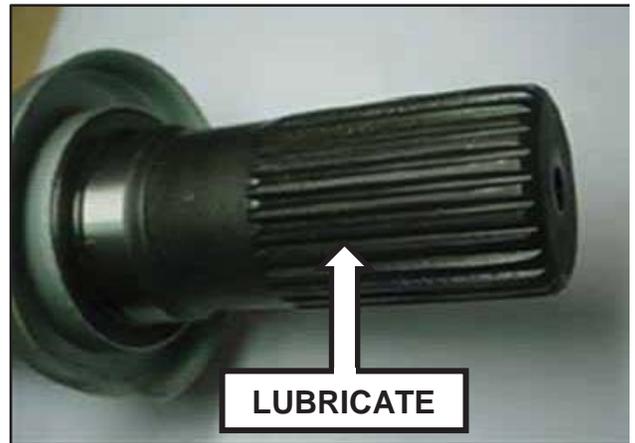
8. Use a pry bar (H) to gently dislodge the axle (I) from the transmission and remove it from the vehicle.



9. Re-install all components by reversing the order of removal. Be sure to use the new axle nut included in the kit.

* NOTICE

Before inserting the axle in the hub, use a small brush to apply a light coating of McLube MoS2-400 high temperature grease onto the axle splines.



* NOTICE

Once the axle nut has been properly tightened, make sure to stake the axle nut, as shown.



10. Test drive the vehicle to confirm proper operation.

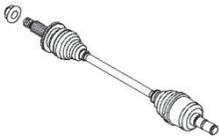
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RIGHT FRONT AXLE DRIVESHAFT REPLACEMENT PROCEDURE (SC099)

AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Sorento (XMa)	From January 7, 2013 to March 12, 2013

REQUIRED PART:

Part Name	Part Number	Figure	Quantity
Right Side Axle Assembly	49501 2W600QQK		1

WARRANTY CLAIM INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	49501 2W600	0	N29	C07	(SC099) Axle Replace (RT FRT)	131A06R0	0.8 M/H	49501 2W600QQK	1

NOTE: Normal warranty policies and procedures apply.*** NOTICE**

Note: Use sublet code X1 for reimbursement of the McLube Moly MoS2-400

Maximum allowance: \$2.00/vehicle

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