 <h1 style="text-align: center;">TSB-Local</h1>	Model	Sorento[XM](all)
	Group	Engine Mechanical System(12)
	TSB No.	KCE11-12-P200- XM;C21VA
Subject Crankshaft damper pulley replacement	Published	9/30/2011
	TSB Type	Service Action
	Area & Distributor	U.K (C21VA)

1. Description

This bulletin has been amended. The following changes are:

- **Tightening process and torque value of the crankshaft bolt.**

Symptom/Condition

Some Sorento (XM) vehicles with diesel engine (R 2.0 / 2.2) may experience abnormal noise originating from crankshaft damper pulley.

■ Countermeasure/Remedy

Replace the damper pulley and the crankshaft bolt with a new one at the same time following the service procedure below.

2. Applicable Vehicles

- **Model:** Sorento (XM) with diesel engine (R 2.0 / 2.2)
- **Applicable vehicle production date range:** From June 21st 2011 to July 4th 2011
- **Applicable VIN range:** Refer to the attached VIN list file.
- **Area:** All except North America

3. Parts Information

PART NAME	PART NUMBER	REMARKS
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DAMPER PULLY		1 EA
	231242F010	
CRANK SHAFT BOLT		1 EA
	231272F000	

4. Operation Code And Time

OP CODE	VEHICLE	OP NAME	OP TIME	NATURE	CAUSE
110064R1	XM	DAMPER PULLY REPLACEMENT	0.9 M/H	N09	C06

5. Service Procedure

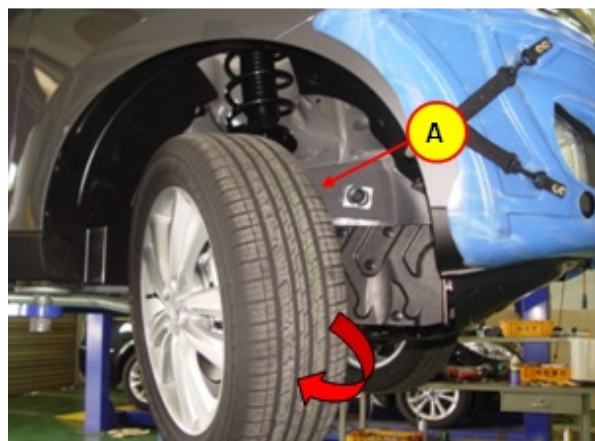
NOTE

Verify that the vehicle is in the affected range by VIN and production date period

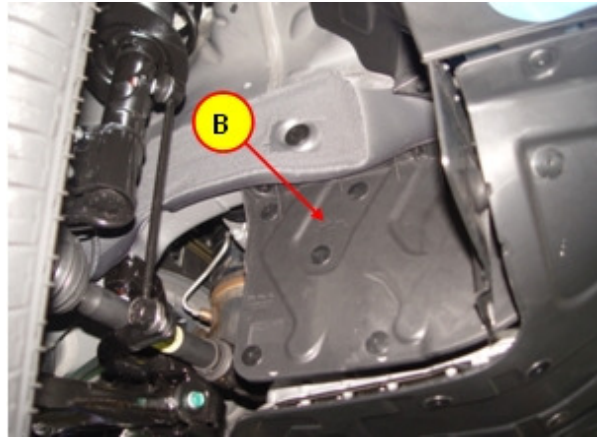
1. Open the bonnet and lift up the vehicle.
2. Turn the steering wheel to the right for more work space. (A)

NOTE

By doing the above, it is possible to replace the damper pulley without removing the wheel.



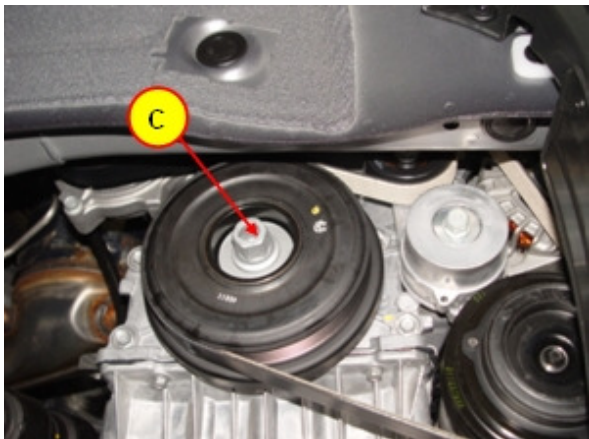
3. Remove the engine side cover (B).



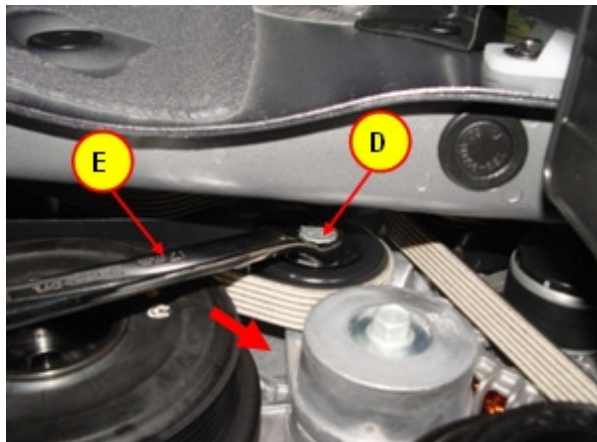
4. Remove the crankshaft bolt (C) and washer.

CAUTION
Reuse the washer.

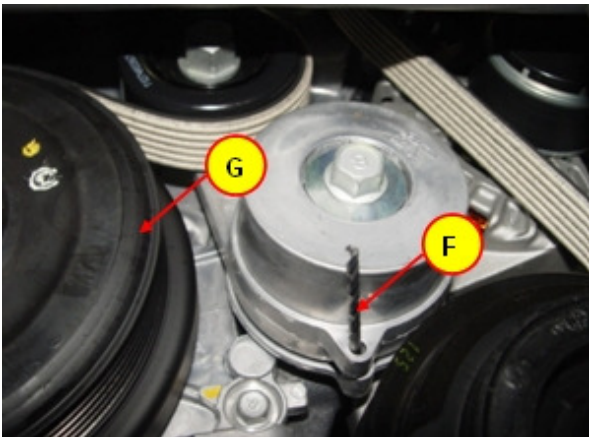
Discard the removed crankshaft bolt and then use the new one.



5. Turn the driver belt tensioner idler pulley counter clockwise by putting a ring spanner (E) on the driver belt tensioner idler pulley bolt (D). Then fix the idler pulley in place by putting a tension pin (F) in the idler pulley hole.

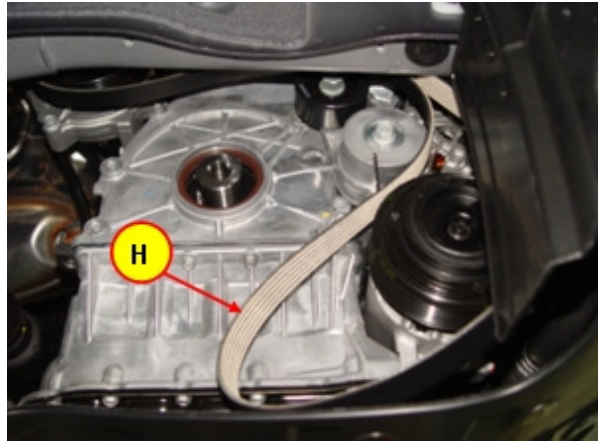


6. Remove the damper pulley (G) from the crankshaft.



CAUTION

1) Do not remove the driver belt (H) completely.



7. Install the new damper pulley (I) and new crankshaft bolt (J) to the crankshaft.

Note:

Reuse the old washer

Tightening Torque :

196.1 Nm (20.0 kgf.m, 144.7 lb-ft) + 60°



8. Reinstall all the removed parts in reverse order of removal.

