

	GROUP ENG	MODEL 2011MY Sportage (SL)
	NUMBER 086	DATE December 2010
TECHNICAL SERVICE BULLETIN		
SUBJECT: COMBINED TSB / SERVICE ACTION: SPORTAGE (SL) MIL ON WITH DTC P0300~P0304 – VCMA REPLACEMENT (SA064)		

This bulletin provides information relating to some Sportage (SL) 2011MY vehicles produced from Job#1 ~ November, 22, 2010 equipped with a 2.4L engine that may experience an illuminated Malfunction Indicator Lamp without any discernible driving concerns. Please check for engine misfire related DTC(s) listed below:

- **P0300:** Random/Multiple Cylinder Misfire Detected
- **P0301:** Cylinder 1 - Misfire Detected
- **P0302:** Cylinder 2 - Misfire Detected
- **P0303:** Cylinder 3 - Misfire Detected
- **P0304:** Cylinder 4 - Misfire Detected

To improve customer satisfaction Kia is launching this Service Action and replacing the VCMA on all affected 2011 Sportage vehicles that fall within the vehicle production range mentioned above. The Inspection Procedure outlined on next page details a check for engine misfire-related DTC(s). If any are detected, replace the VCMA (Variable Charge Motion Actuator) following the Service Procedure.

For vehicles not on the Affected Vehicles List, but with a customer concern; perform the following procedure outlined in this bulletin and submit a warranty claim per “customer concern” (Standard TSB) claim information on page 5.

*NOTICE

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Repair status for a VIN is provided on WebDCS (Service> Warranty Coverage> Warranty Coverage Inquiry> Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs> Not Completed Recall> Recall VIN> Select Report), which includes a list of affected vehicles.

This issue number is SA064.

File Under: <Engine>

Circulate To: General Manager Service Manager Parts Manager
 Service Advisor(s) Technician(s) Body Shop Manager Fleet Repair

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Inspection Procedure:

1. Verify that the engine is cold; engine coolant temperature ranges from 14°F (10°C) to 91°F (33°C). In case the engine is too hot, wait until the engine cools down naturally.
2. Start the engine and let idle for approximately one minute.

Using GDS, check for misfire-related DTC(s): P0300, P0301, P0302, P0304

***NOTICE**

If any of the above DTCs are detected, replace the VCMA with the new assembly following the procedure below. If none are detected, no further action is needed.

VCMA Replacement Service Procedure:

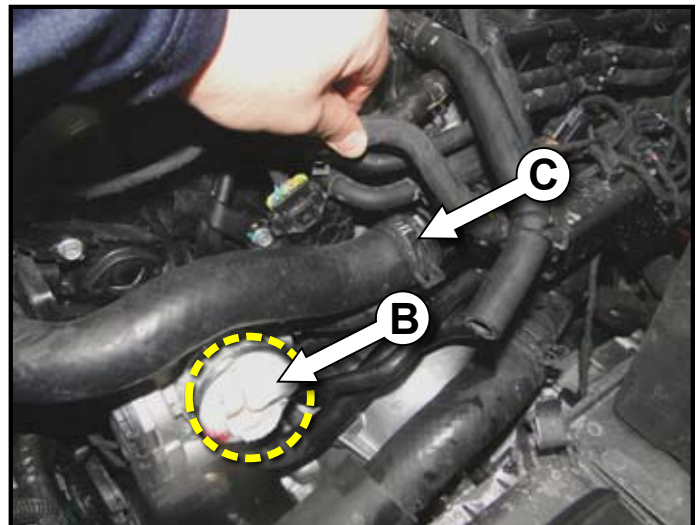
1. Disconnect the negative battery cable.

Remove the engine cover; then remove the air intake assembly (A).



2. Cover the throttle body inlet with a clean cloth (B) to prevent any foreign material from entering the throttle body.

Disconnect upper radiator hose (C).

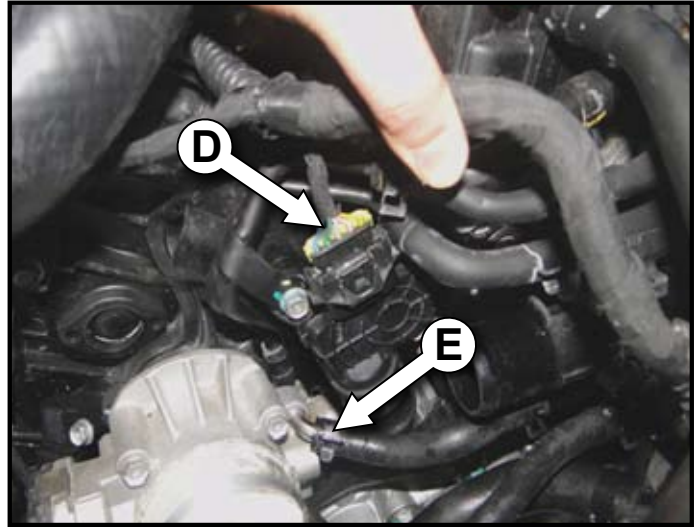


***NOTICE**

Before disconnecting the upper radiator hose, place a container under the radiator hose (C) to catch the engine coolant.

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3. Disconnect the VCMA wiring connector (D);
then disconnect coolant hose (E).



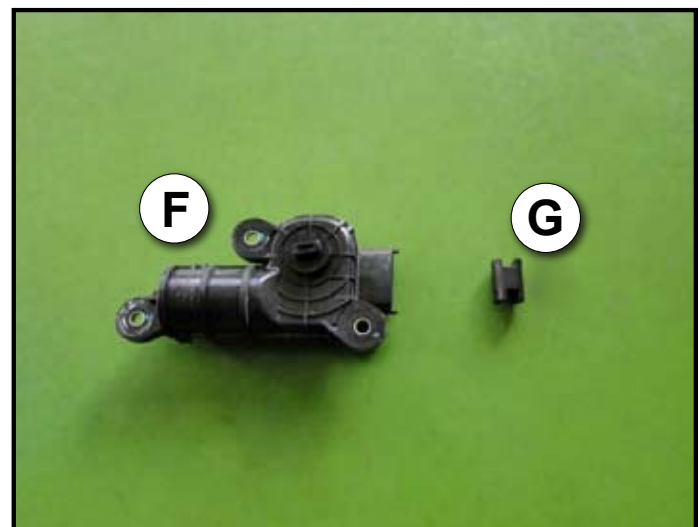
4. Remove the three (3) VCMA mounting bolts as
indicated by the circles.



5. Remove the VCMA assembly (F).

CAUTION

Be careful not to lose the VCMA
coupling (G).



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6. Install the new VCMA assembly.

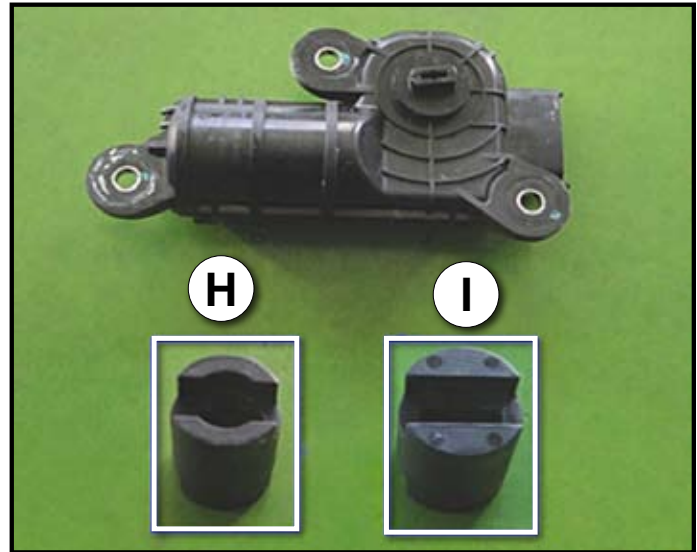
CAUTION

When reinstalling the VCMA coupling, make sure that the circle groove side of (H) faces the intake manifold, and the straight groove side of (I) faces the VCMA assembly.

Reinstall all removed components in reverse order of removal.

Add sufficient amount of engine coolant; run engine and check for coolant leaks.


Clear DTC(s) if present.



AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Sportage (SL)	Job#1 ~ November 22, 2010

REQUIRED PARTS:

Part Name	Part Number	Figure
VCMA (Variable Charge Motion Actuator)	28323 2G300QQK	

SERVICE ACTION WARRANTY CLAIM INFORMATION:

These vehicles are listed on the “Not Completed Report”.

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Replacement P/N	Qty.
V	28323 2G300	0	N69	C40	VCMA Inspection (SA064)	100090R0	0.2 M/H	N/A	0
	28323 2G300	0			(SA064) VCMA Inspection and Replacement	100090R1	0.7 M/H	28323 2G300QQK	1

Note: Only one Labor Op can be claimed.

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STANDARD WARRANTY CLAIM INFORMATION:

Used this information only to file a warranty claim for vehicles for which:

1. A customer complains of the same concern.
2. The VIN does not appear on the Affected Vehicles List for Service Action SA064.
3. The vehicle model year and production date range are as identified in this bulletin.

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Replacement P/N	Qty.
W	28323 2G300FFF	0	N69	C40	VCMA Inspection (ENG 086)	23323F00	0.2 M/H	N/A	0
	28323 2G300FFF	0			(ENG 086) VCMA Inspect and Replacement	23323F01	0.7 M/H	28323 2G300FFF	1

Note: Only one Labor Op. Code can be claimed.

***NOTICE**

VIN Inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA064 when accessing the WebDCS system.