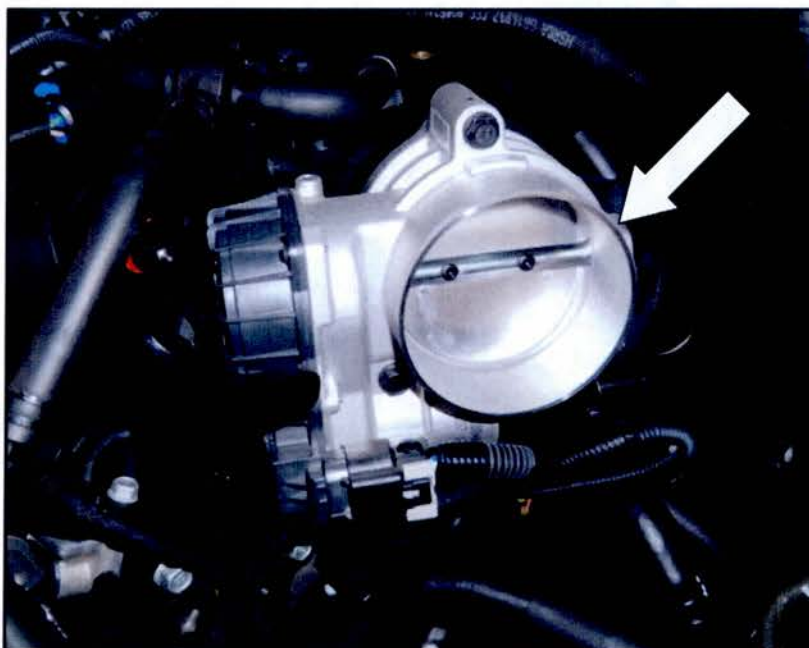


	GROUP Engine	MODEL 2011-2013MY Sorento (XM), 2011-2012 Sedona (VQ)
	NUMBER 129	DATE June 2013
TECHNICAL SERVICE BULLETIN		
SUBJECT: XM/VQ 3.5L MIL ON WITH DTCS - P0638/ P2110		

This bulletin provides information related to some 2011-2013MY Sorento 3.5L vehicles produced from October 23, 2009 to September 18, 2012, and some 2011-2012MY Sedona 3.5L vehicles produced from March 3, 2010 to August 14, 2012. These vehicles may experience a Malfunction Indicator Lamp illuminated with the ECM system-related DTC P0638, which may be accompanied by P2110. To correct this concern, replace the ETC Actuator by referring to the Service Information found on KGIS.

- P0638 Throttle Actuator Control Range/Performance (Bank 1)
- P2110 Throttle Actuator Control System – Force Limited RPM



***NOTICE**

The installation procedure shown applies only to Sedona (VQ) vehicles. Follow the Service Information on KGIS to replace ETC Actuator on Sorento (XM) vehicles.

File Under: <Engine>

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

Service Procedure:

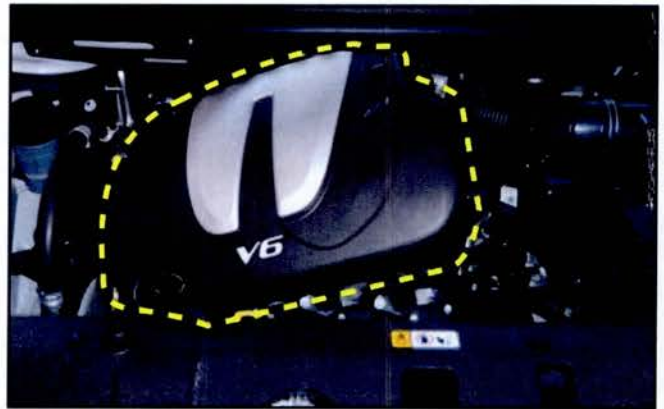
***NOTICE**

Record the customer's radio presets before starting procedure.

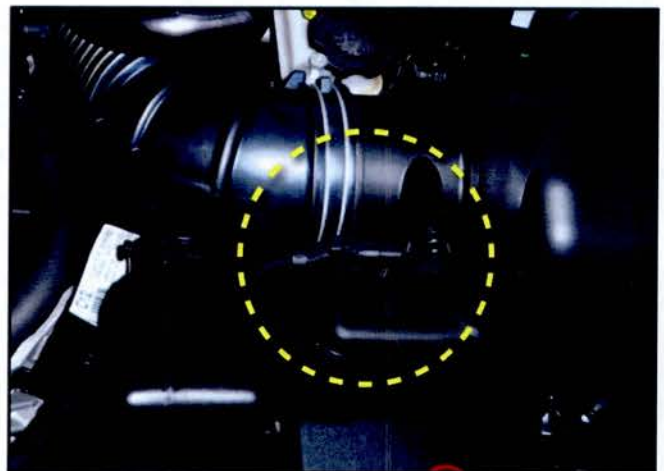
1. Disconnect the negative (-) terminal from the battery.



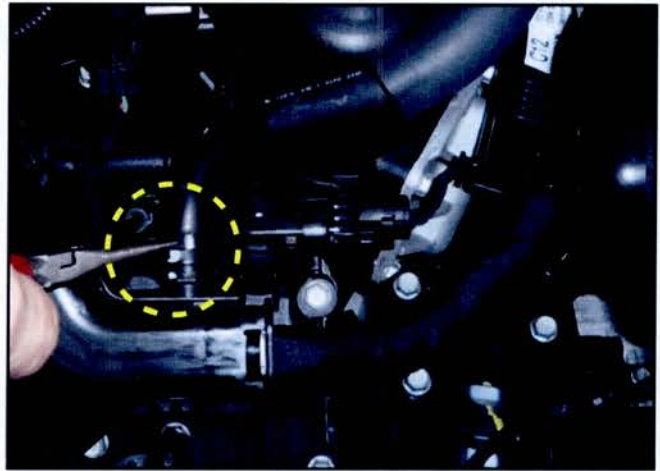
2. Remove the engine cover.



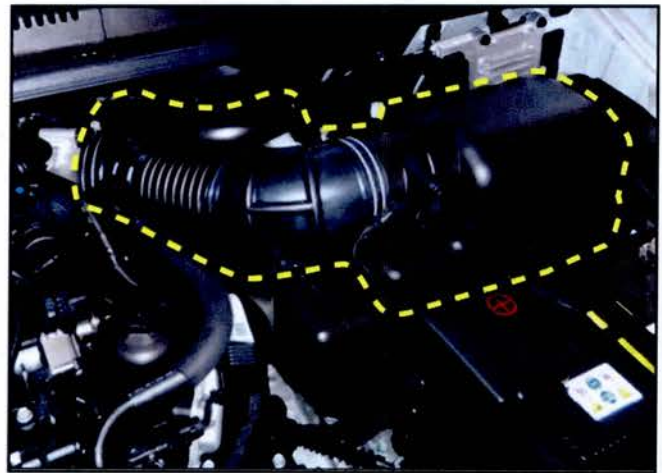
3. Remove the IAT sensor and the clip securing the IAT sensor harness.



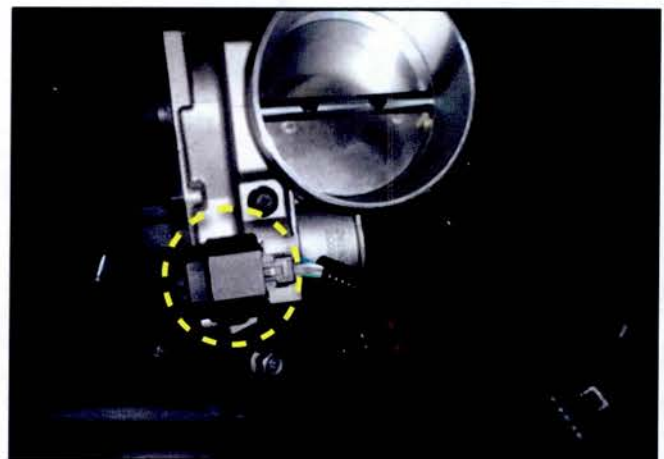
4. Disconnect the breather hose from the intake manifold, as shown.



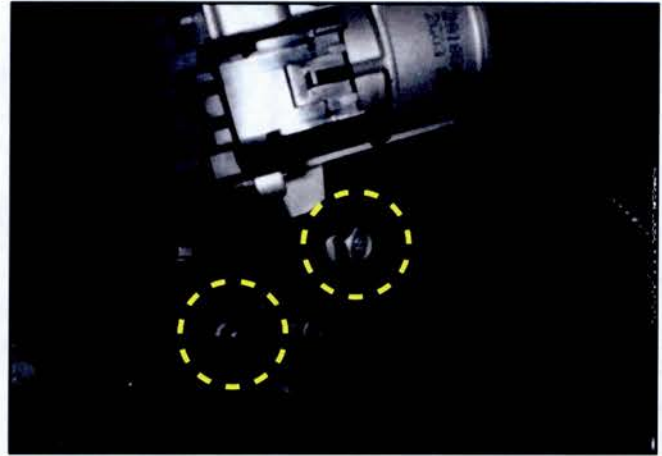
5. Remove the air cleaner assembly.



6. Remove the ETC Actuator connector.



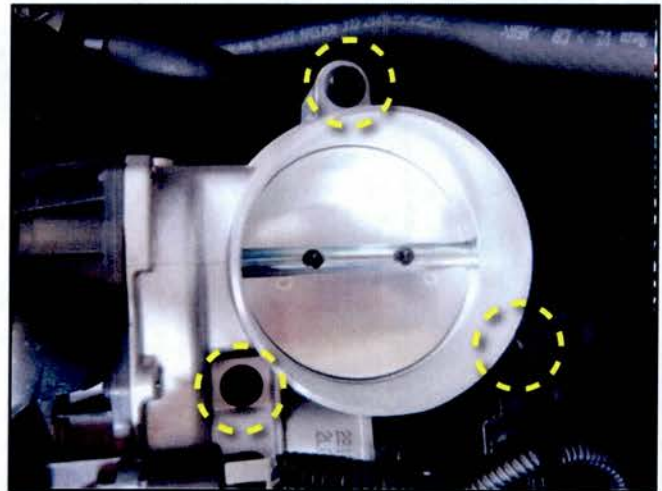
7. Remove the upper bolt of ETC Actuator stay and slightly loosen the lower bolt to move the bracket. Removal of the lower bolt is not required.



8. Remove three (3) bolts securing the ETC Actuator to the intake manifold.

Tightening Torque:

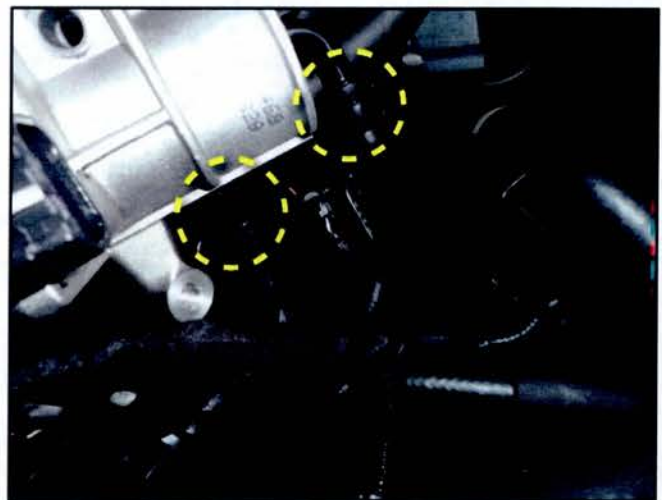
7.8 ~ 11.8 N·m (5.8 ~ 8.7 lb-ft)



9. Remove and pinch off the coolant hoses to prevent coolant from leaking.

***NOTICE**

When repair is complete, top off coolant reservoir, if necessary.



10. Install the countermeasure ETC Actuator.
11. Assembly is in the reverse order of removal.
12. Reconnect the negative (-) terminal to the battery.

***NOTICE**

Reprogram the customer's radio presets as recorded earlier.

ETC Actuator Adaptive Values Relearn Procedure:

1. Clear any DTC(s) present.
2. Cycle the ignition key to the ON position and then to the OFF position. Hold key in the OFF position for 5 seconds. Do NOT start the engine.
3. Reconnect the negative (-) terminal to the battery.

***NOTICE**

- If the engine is started before the ECM has learned the throttle valve position, MIL illumination with DTC P0638 and P2110 may reoccur.
- If the vehicle is equipped with engine start button, push the engine start button twice, **WITHOUT DEPRESSING THE BRAKE PEDAL**, to allow the ECM to automatically learn the throttle valve position and then wait for 5 seconds.

3. Allow the ECM to automatically perform the throttle valve position learning operation.
4. Reset the adaptive values for the ETC Actuator (in the closed position) using GDS.
5. Turn the ignition key to the OFF position for 5 seconds to store the relearned values.
6. Cycle the ignition key to the ON position and check for the following conditions:
 - Open DTC(s)
 - Recurring symptom(s)
 - Starting problems

SUBJECT:

XM/VQ 3.5L MIL ON WITH DTCS - P0638/P2110

AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Sorento (XM)	October 23, 2009 to September 18, 2012
Sedona (VQ)	March 3, 2010 to August 14, 2012

PARTS REQUIRED:

Model	Part Name	Part Number
Sorento (XM)	ETC Actuator	35100 3C700
	Gasket-Throttle Body	35101 3C000
Sedona (VQ)	ETC Actuator	35100 3C700
	Gasket-Throttle Body	35101 3C000

WARRANTY CLAIM INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty
W	35100 3C700 (Sorento)	1	N69	C63	(TSB ENG 129) ETC ACTUATOR REPLACEMENT	35002F00	0.4 M/H	N/A	0
	35100 3C700 (Sedona)	1					0.5 M/H	N/A	0