

	GROUP Body	MODEL 2012MY Soul (AM), Rio (UB), Sportage (SL), Sedona (VQ)
	NUMBER 084 [Rev 3 2/3/2012]	DATE November 2011
TECHNICAL SERVICE BULLETIN		
SUBJECT: SERVICE ACTION: STEERING WHEEL NOISE AND VIBRATION REPAIR (SA117/117 B)		

*** 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 relating to a steering wheel noise and vibration repair on 462 vehicles (as identified in attached VIN list). Kia is requesting the completion of this Service Action on all affected vehicles prior to delivery. Before conducting this procedure consult the VIN list and confirm that VIN is on the list of units to be completed, or follow instructions in Notice below to check on WebDCS.



*** 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 SA117 / 117 B.

File Under: <Body>

Circulate To: ☒ General Manager ☒ Service Manager ☒ Parts Manager

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

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Service Procedure:

1. Disconnect negative battery cable terminal and wait for a minimum of 3 minutes before beginning work. On retailed units, record radio presets before starting procedure.



CAUTION

Always follow service procedure precautions as outlined on KGIS when working on airbag systems and related components.



Example Only

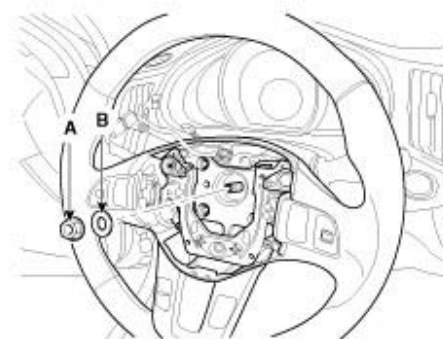
2. Remove the DAB Module by loosening two (2) Torx bolts using T-40 Torx bit and disconnecting two (2) air bag and horn (if equipped) connectors.



Example Only

3. After removal of the DAB Module, remove the Steering Wheel Mounting Nut using a 22mm socket. **Do not remove the steering wheel.**

Remove the Steering Wheel Mounting Nut and spring washer. **Discard only the spring washer.**



Example Only

Model	Torque Specs / lb-ft		
	Steering Wheel Locking Nut	DAB Module Mounting Bolts	Horn Plate
Rio	29~36 lb-ft	5.1~8.0 lb-ft	5.1~8.7 lb-ft
Sportage			13.0~14.5 lb-ft
Sedona			N/A
Soul			N/A

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4. Install new spring washer (supplied separately) and reinstall Steering Wheel Mounting Nut. Tighten to torque specs in the table on page 2.

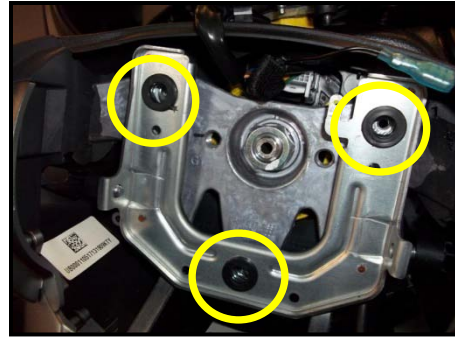
5. For Sportage and Rio only, remove the horn pad mounting bolts.

For Soul, loosen the two 2 small Phillips screws holding the plastic retaining tubes/guides, and discard the two (2) bolts from the plastic retaining tubes.

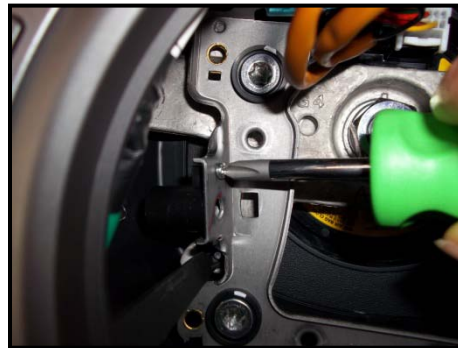
For Sedona, horn plate removal is not necessary.

*** NOTICE**

Please note the horn pad spring position/location, and make sure the horn pad springs are retained.



Rio Example Only



Soul Example Only

6. For Sedona, Sportage, and Rio models remove the two DAB mounting bolts from the plastic retainer tubes and discard them. **Do not re-use bolts.**

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7. For Sedona, Rio, and Sportage, install two new DAB mounting bolts (supplied separately) into the plastic retaining tubes.

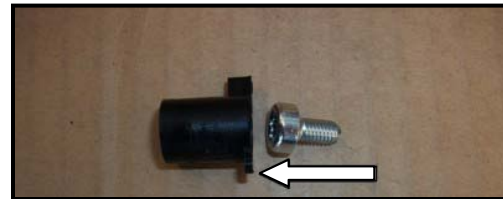
★ NOTICE

Bolt dimensions vary per model; make sure you install the correct bolts from the separately provided shipment.



Example Only

For Soul, insert two (2) new DAB mounting bolts to the plate guide/tube as indicated in the photo on the right, and then install them to the horn plate secure with two (2) screws.



Soul (AM) example

8. For Sportage and Rio re-install the horn plate and tighten mounting bolts to torque specs in the table on page 2.
9. Re-connect both air bag and Horn (if equipped) wiring connectors. Re-install DAB Module and torque to specs per table on page 2.

Reconnect negative battery terminal.

10. Monitor Airbag Warning lamp for proper operation during / after bulb check period following “key on.”

Confirm horn operation.

On retailed units, re-enter radio presets as recorded in step 1.

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Affected VINs:

Rio (UB)	KNDJT2A61C7378866	KNDJT2A64C7378831	KNDJT2A67C7380976
KNADM5A30C6023966	KNDJT2A61C7378947	KNDJT2A64C7378893	KNDJT2A68C7378315
KNADM5A30C6024034	KNDJT2A61C7378950	KNDJT2A64C7378988	KNDJT2A68C7378332
KNADM5A33C6023962	KNDJT2A61C7379273	KNDJT2A64C7379204	KNDJT2A68C7378606
KNADM5A33C6024030	KNDJT2A61C7379449	KNDJT2A64C7379445	KNDJT2A68C7378699
KNADM5A34C6014591	KNDJT2A61C7379550	KNDJT2A64C7379557	KNDJT2A68C7378749
KNADM5A34C6023968	KNDJT2A61C7380147	KNDJT2A64C7380174	KNDJT2A68C7378752
KNADM5A36C6023986	KNDJT2A61C7380813	KNDJT2A64C7380921	KNDJT2A68C7378878
KNADM5A36C6024037	KNDJT2A61C7380925	KNDJT2A64C7381017	KNDJT2A68C7378914
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KNADM5A37C6023964	KNDJT2A61C7381007	KNDJT2A65C7378532	KNDJT2A68C7380050
KNADM5A38C6024038	KNDJT2A61C7381041	KNDJT2A65C7378837	KNDJT2A68C7380176
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KNADN5A31C6022208	KNDJT2A62C7379055	KNDJT2A65C7379129	KNDJT2A68C7381022
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KNADN5A31C6022256	KNDJT2A62C7379282	KNDJT2A65C7379437	KNDJT2A69C7378694
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KNADN5A33C6022257	KNDJT2A62C7379556	KNDJT2A65C7379552	KNDJT2A69C7378839
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KNADN5A3XC6022210	KNDJT2A62C7380951	KNDJT2A66C7378524	KNDJT2A69C7380946
KNADN5A3XC6022255	KNDJT2A62C7381016	KNDJT2A66C7378605	KNDJT2A69C7380980
Soul (AM)	KNDJT2A62C7381081	KNDJT2A66C7378698	KNDJT2A69C7381045
KNDJT2A52C7739643	KNDJT2A63C7378318	KNDJT2A66C7378751	KNDJT2A6XC7378526
KNDJT2A53C7739733	KNDJT2A63C7378660	KNDJT2A66C7378989	KNDJT2A6XC7378834
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KNDJT2A60C7378986	KNDJT2A63C7379453	KNDJT2A67C7378323	KNDJT2A6XC7379546
KNDJT2A60C7379197	KNDJT2A63C7379680	KNDJT2A67C7378337	KNDJT2A6XC7379563
KNDJT2A60C7379443	KNDJT2A63C7380179	KNDJT2A67C7378659	KNDJT2A6XC7380048
KNDJT2A60C7379524	KNDJT2A63C7380182	KNDJT2A67C7378886	KNDJT2A6XC7380065
KNDJT2A60C7380141	KNDJT2A63C7380926	KNDJT2A67C7379052	KNDJT2A6XC7380079
KNDJT2A60C7380186	KNDJT2A63C7380974	KNDJT2A67C7379178	KNDJT2A6XC7380261
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KNDJT2A61C7378527	KNDJT2A63C7381042	KNDJT2A67C7379441	KNDJT2A6XC7381006
KNDJT2A61C7378608	KNDJT2A63C7381123	KNDJT2A67C7379679	KNDJT2A6XC7381040
KNDJT2A61C7378611	KNDJT2A64C7378747	KNDJT2A67C7380136	KNDJT2A6XC7381054
KNDJT2A61C7378754	KNDJT2A64C7378750	KNDJT2A67C7380931	KNDJT2A51C7739729
KNDJT2A61C7378835	KNDJT2A64C7378781	KNDJT2A67C7380959	KNDJT2A51C7383413

**SUBJECT: SERVICE ACTION: STEERING WHEEL NOISE AND VIBRATION REPAIR
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KNDJT2A67C7379858	KNDPBCA20C7231308	KNDPBCA26C7231703	KNDPCCA28C7229609
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KNDJT2A69C7378890	KNDPBCA21C7230832	KNDPBCA27C7232150	KNDPCCA60C7230790
KNDJT2A54C7383440	KNDPBCA21C7231589	KNDPBCA27C7232259	KNDPCCA60C7231793
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Sedona (VQ)	KNDPBCA21C7232287	KNDPBCA28C7232156	KNDPCCA63C7229438
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Sportage (SL)	KNDPBCA23C7232274	KNDPBCA2XC7232319	KNDPB3A21C7241930
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**SUBJECT: SERVICE ACTION: STEERING WHEEL NOISE AND VIBRATION REPAIR
(SA117/117 B)**

KNDPB3A28C7242511	KNDPBCA28C7241911	KNDPCCA20C7242418
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KNDPBCA27C7242287	KNDPC3A2XC7242426	
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KNDPBCA27C7242421	KNDPCCA20C7242127	

**SUBJECT: SERVICE ACTION: STEERING WHEEL NOISE AND VIBRATION REPAIR
(SA117/117 B)**

AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Soul, Sportage, Sedona, Rio	Refer To VIN List

REQUIRED PARTS:

Model	Part Name	Part Number
Soul, Sportage, Sedona, Rio	Spring Washer	13602 14001
Sportage	Bolt	56160 3W003
Rio	"	56160 1W001
Soul, Sedona	"	N/A*

Note: Parts were supplied separately only to those dealers with affected vehicle inventory, and/or affected units. *For Soul or Sedona please open a TechLine case via the web to request additional replacement parts if needed.

WARRANTY CLAIM INFORMATION:

*** NOTICE**

Updated claim information is shown in table below. Enter VIN in DCS, allow the system to auto populate claim fields.

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
V	2012M SA117	0	N29	C20	(SA117) Soul (AM) Steering Wheel Noise and Vibration Repair	SA1170R0	0.3 M/H	13602 14001 56160 3W003 56160 1W001	1
					(SA117) Rio (UB) Steering Wheel Noise and Vibration Repair	SA1170R1	0.3 M/H		2
					(SA117) Sportage (SL) Steering Wheel Noise and Vibration Repair	SA1170R2	0.3 M/H		2
					(SA117) Sedona (VQ) Steering Wheel Noise and Vibration Repair	SA1170R3	0.3 M/H		
	13602 14001				(SA117 B) Sportage (SL) Steering Wheel Noise and Vibration Repair	SA1170R4	0.3 M/H	56160 3W003	2

*** NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA117/117 B when accessing the WebDCS system.