



GROUP
Electrical

MODEL
Various Models
(See table below)

NUMBER
055

DATE
December 2013

TECHNICAL SERVICE BULLETIN

SUBJECT: SERVICE ACTION: BASE AUDIO SYSTEM SOFTWARE
UPGRADE (SA162)

This bulletin provides the procedure for upgrading the audio system software on certain 2014MY Sorento (XM), Optima (QF/TF), Forte 4DR (YD) and Soul (PS) vehicles. Refer to table below for applicable production date ranges. Kia is requesting the completion of this Service Action on all affected vehicles **in dealer stock, prior to delivery**. Before conducting the procedure, verify that the vehicle is included in the list of the affected VINs.

Model	Production Date Range
Sorento (XM)	Jan. 8, 2013 through Nov. 1, 2013
Optima (QF)	Aug. 28, 2013 through Oct. 29, 2013
Optima (TF)	Aug. 29, 2013 through Oct. 23, 2013
Forte 4DR (YD)	Apr. 1, 2013 through Sep. 26, 2013
Soul (PS)	Jul. 20, 2013 through Oct. 25, 2013

★ 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 SA162.

File Under: <Electrical>

Circulate To: General Manager Service Manager Parts Manager
 Service Advisors Technicians Body Shop Manager Fleet Repair

SUBJECT: SERVICE ACTION: BASE AUDIO SYSTEM SOFTWARE UPGRADE (SA162)

Update for Forte 4DR (YD) (with s/w version V1.00 or V1.01) and Sorento (XM) (with s/w version V1.00)

(For Optima (QF/TF) and Soul (PS) update, proceed to Page 10)

*** NOTICE**

- A fully charged battery is necessary before Navigation System upgrade can take place. It is recommended that the Midtronics GR8-1299 system be used, in ECM mode, during charging. **DO NOT** connect any other battery charger to the vehicle during audio head unit upgrade.
- Updating audio system software may require 15-20 minutes.

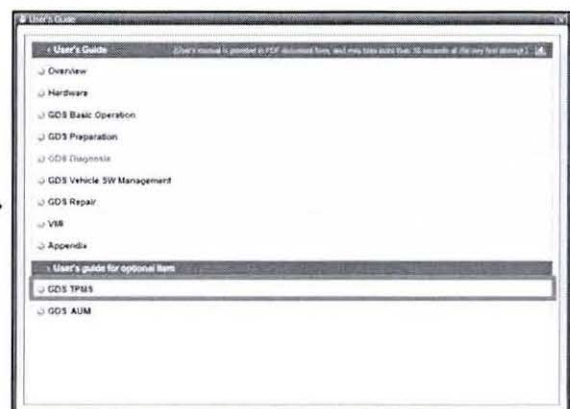
1. Start the vehicle or connect the Midtronics GR8-1299 charger.

2. Check the software version level of the head unit by following the procedure below:

- Turn the head unit **OFF**.
- Press **Preset Button 1** and **Preset Button 6**, at the same time, for two (2) seconds to access the software version screen.
- Note the software version displayed for the head unit and compare it to the information shown in the table on step 4.



3. If performing the update using the GDS AUM, refer to TSB SST 032 or click on User's Guide > GDS AUM on the GDS main screen, as shown below, and follow the on-screen instructions.



NOTE: An AUM update for this TSB may not be available at the time of launch.

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4. If performing the update using a USB stick, obtain both the **14MY Audio/UVO** (White Label) USB update stick and the **14MY IQS Audio #2** (Green Label) USB update stick from your Service Manager. Refer to the table below to identify which USB stick will be required for the update.

Model	Original Software Version	Required USB Stick	Action
Forte 4DR (YD)	S/W Version = V1.00 or V1.01		Proceed to Step 5
Sorento (XM)	S/W Version = V1.00		
Forte (YD)	S/W Version = V1.02 or V1.04		Proceed to Step 14
Sorento (XM)	S/W Version = V1.01		

5. Once the AUM initialization process is complete, or after having inserted the **14MY IQS AUDIO #2** (Green Label) USB update stick and listened to the audio track, turn the head unit **OFF**.

★ NOTICE

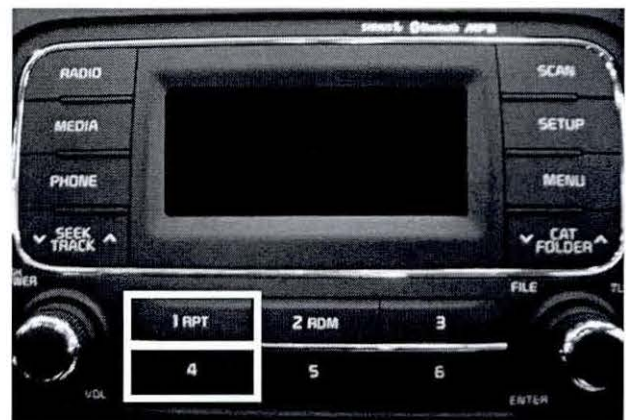
Images shown are for reference purposes **ONLY** and may vary by model.



6. Press and hold **Preset Button 1** and **Preset Button 4**, in sequence, for two seconds.

★ NOTICE

If the software version screen appears prematurely on the display after pressing Preset Button 1 and Preset Button 4, restart the procedure by cycling the power to the head unit. Make sure to allow time for the audio track to play before powering the head unit **OFF**.



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7. Then, press **Preset Button 1** four (4) times, in quick succession.



8. The software version screen should appear on the display. Check to make sure the software version is V1.00 or V1.01 for Forte 4DR (YD) and V1.00 for Sorento (XM). Then, press the **SETUP** button followed by **Preset Button 1**.



9. Select MICOM software upgrade by pressing **Preset Button 4**.

★ NOTICE

Do NOT turn the vehicle OFF while the update is in progress.



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- The update will proceed with Erasing > Writing > Verify. After this is complete, the system will restart, automatically, and the power will be turned **OFF**.

*** NOTICE**
 Do **NOT** turn the vehicle **OFF** while the update is in progress.



- If the update is installed successfully, the screen shown will be displayed and the system will restart automatically.



- If the update fails, the system will display the "Update Failed" message. Cycle the power to the head unit and restart the procedure from step 6. **Make sure to allow time for the audio track to play before powering the head unit OFF.**



- Once the update is installed successfully, access the software version screen, as shown in step 2, and verify the correct the software version is installed per the table below.

Model	Original Software Version		New Software Version
Forte 4DR (YD)	Main: V1.00 DSP: YD20EU4B BT: v2.4D_121231 VR: 150012	Main: V1.01 DSP: YD20EU4B BT: v2.4D_121231 VR: 150012	Main: V1.05 DSP: YD20EU4D BT: v6.8R_130912 VR: 170013
Sorento (XM)	Main:V1.00 DSP : XM20IU5B BT:v2.4D_121231 VR:150012		Main: V1.04 DSP: XM20IU5D BT: v6.8R_130912 VR: 170013

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Update for Forte (YD) 4DR (with s/w version V1.02 or V1.04) and Sorento (XM) (with s/w version V1.01)

- Once the AUM initialization process is complete, or after having inserted the **14MY AUDIO/UVO** (White Label) USB update stick and listened to the audio track, turn the head unit **OFF**.



- Press and hold **Preset Button 1** and **Preset Button 4**, in sequence, for two (2) seconds.

* NOTICE

If the software version screen appears prematurely on the display after pressing Preset Button 1 and Preset Button 4, restart the procedure by cycling the power to the head unit. Make sure to allow time for the audio track to play before powering the head unit OFF.



- Then, press **Preset Button 1** four (4) times, in quick succession.



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17. The software version screen should appear on the display. Check to make sure the software version is V1.02 or V1.04 for Forte 4DR (YD) and version 1.01 for Sorento (XM). Then, press the **SETUP** button followed by **Preset Button 1**.



18. Select MICOM software upgrade by pressing **Preset Button 4**.

*** NOTICE**

Do NOT turn the vehicle OFF while the update is in progress.



19. The update will proceed with Erasing > Writing > Verify. After this is complete, the system will restart, automatically, and the power will be turned **OFF**.

*** NOTICE**

Do NOT turn the vehicle OFF while the update is in progress.



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20. Wait for three (3) seconds before turning the power ON. Then, press and hold **SEEK DOWN (▼)** button and then the **SETUP** button, in quick succession, for two (2) seconds.



21. The update will proceed and the screen will display BT >> VR >> MAIN >>.



22. If the update is installed successfully, the screen shown will be displayed and the system will restart automatically.



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23. If the update fails, the system will display the "Update Failed" message. Cycle the power to the head unit and restart the procedure from step 15. **Make sure to allow time for the audio track to play before powering the head unit OFF.**



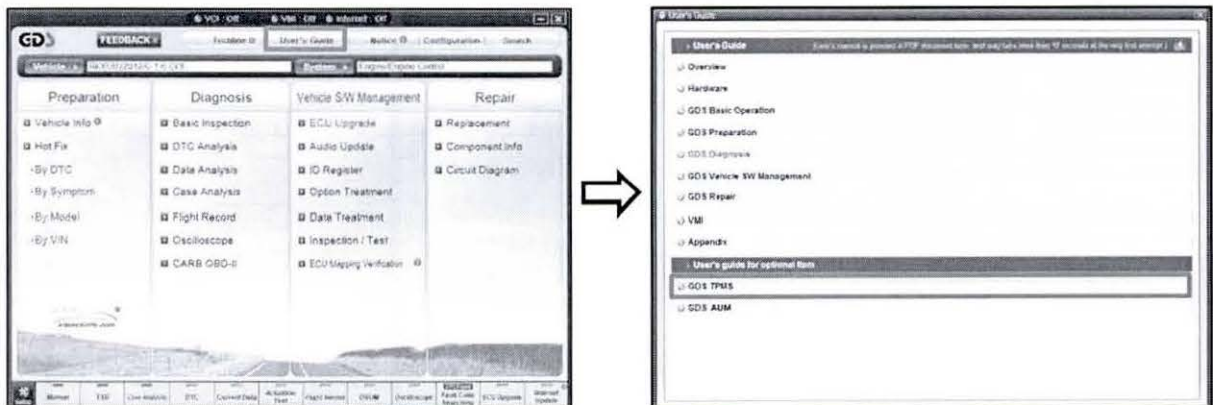
24. Once the update is installed successfully, access the software version screen, as shown in step 2, and verify the correct the software version is installed per the table below.

Model	Original Software Version		New Software Version
Forte 4DR (YD)	Main: V1.02 DSP: YD20EU4D BT: v2.5R_121121 VR: 160006	Main: V1.04 DSP: YD20EU4D BT: v6.8R_130912 VR: 170009	Main: V1.05 DSP: YD20EU4D BT: v6.8R_130912 VR: 170013
Sorento (XM)	Main:V1.01 DSP : XM20IU5D BT:v2.5R_121121 VR:160006		Main: V1.04 DSP: XM20IU5D BT: v6.8R_130912 VR: 170013

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Update for Optima (QF/TF) and Soul (PS)

1. Start the vehicle or connect the Midtronics GR8-1299 charger.
2. If performing the update using the GDS AUM, refer to TSB SST 032 or click on User's Guide > GDS AUM on the GDS main screen, as shown below, and follow the on-screen instructions.



NOTE: An AUM update for this TSB may not be available at the time of launch.

3. Once the AUM initialization process is complete, or after having inserted the **14MY AUDIO/UVO** (White Label) USB update stick and listened to the audio track, turn the head unit **OFF**.



4. Press and hold **SEEK DOWN** (▼) button and then **SETUP** button, in quick succession, for two (2) seconds.

*** NOTICE**
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- The update will proceed and the screen will display BT > VR > MAIN.

★ NOTICE

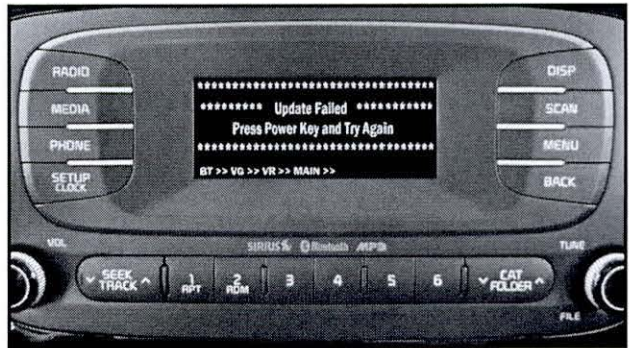
Do NOT turn the vehicle OFF while the update is in progress.



- If the update is installed successfully, the screen shown will be displayed and the system will restart automatically.



- If the update fails, the screen shown will be displayed. Turn the ignition OFF and restart the procedure from step 3.



- Once the update is installed successfully, access the software version screen, as shown in step 2(P2), and verify the correct the software version is installed per the table below.

Model	Original Software Version			New Software Version
Optima (QF/TF)	MAIN : V1.00 DSP : TF20IU43 BT : V6.3R_136026 VR : 170006	MAIN : V1.01 DSP : TF20IU43 BT : V6.3R_136026 VR : 170006	MAIN : V1.02 DSP : TF20IU43 BT : V6.8R_130912 VR : 170009	Main: V1.03 DSP: TF20IU43 BT: v6.8R_130912 VR: 170013
Soul (PS)	MAIN: V1.01 DSP: PS20KU5D BT: v6.8R_130912 VR: 170009			MAIN: V1.02 DSP: PS20KU5D BT: v6.8R_130912 VR: 170013

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REQUIRED PARTS:

Part Name	Desc.	Figure
USB Update Stick	14MY IQS AUDIO #2 (Green Label)	
USB Update Stick	14MY AUDIO/UVO (White Label)	

AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Sorento (XM)	Jan. 8, 2013 through Nov. 1, 2013
Optima (QF)	Aug. 28, 2013 through Oct. 29, 2013
Optima (TF)	Aug. 29, 2013 through Oct. 23, 2013
Forte 4DR (YD)	Apr. 1, 2013 through Sep. 26, 2013
Soul (PS)	Jul. 20, 2013 through Oct. 25, 2013

WARRANTY CLAIM INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
V	96170 1UAA0VA	0	N50	C98	(SA162 XM) Base Audio Upgrade	130A10R1	0.3 M/H	N/A	0
V	96160 2TAA0CA	0	N50	C98	(SA162 QF) Base Audio Upgrade	130A10R0	0.3 M/H	N/A	0
V	96170 2TBA0CA	0	N50	C98	(SA162 TF) Base Audio Upgrade	130113R0	0.3 M/H	N/A	0
V	96160 A7701WK	0	N50	C98	(SA162 YD) Base Audio Upgrade	130113R1	0.3 M/H	N/A	0
V	96170 B2090CA	0	N50	C98	(SA162 PS) Base Audio Upgrade	130113R2	0.3 M/H	N/A	0

* NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA162 when accessing the WebDCS system.