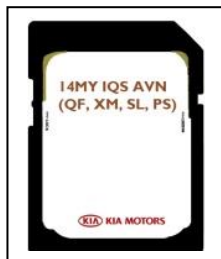
	GROUP Electrical	MODEL 2014MY Soul (PS) 2014MY Optima (QF) 2014MY Sorento (XM)
	NUMBER 061	DATE December 2013
TECHNICAL SERVICE BULLETIN		
SUBJECT: SERVICE ACTION: SOUL (PS), OPTIMA (QF) AND SORENTO (XM) NAVIGATION SYSTEM UPGRADE (SA161)		

This bulletin provides the procedure for upgrading the navigation system on some 2014MY Soul (PS), Optima (QF) and Sorento (XM) vehicles. Follow the procedure outlined in this TSB to update the operating system for the navigation unit. 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.



★ NOTICE

This is a software upgrade for the navigation operating system and NOT a map upgrade.

★ 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 SA161.

File Under: <Electrical>

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

SUBJECT: SERVICE ACTION: SOUL (PS), OPTIMA (QF) AND SORENTO (XM) NAVIGATION SYSTEM UPGRADE (SA161)

**Optima (QF) and Sorento (XM) AVN Operating System Upgrade Procedure:
(For Soul (PS) update, proceed to Page 5)**

*** 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.
- This update is not compatible with the GDS Audio Update Module (AUM) and will require the use of an SD Card.
- SD Cards containing the AVN Operating System upgrade were shipped directly to all Kia dealers and are addressed to the Service Manager.



1. Start the vehicle or connect the Midtronics GR8-1299 charger.
2. Remove the map SD card from the slot and insert the upgrade SD Card.

*** NOTICE**

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



3. The AVN system will be restarted automatically after five (5) seconds.

*** NOTICE**


This AVN update will take approximately 15 to 20 minutes to complete.

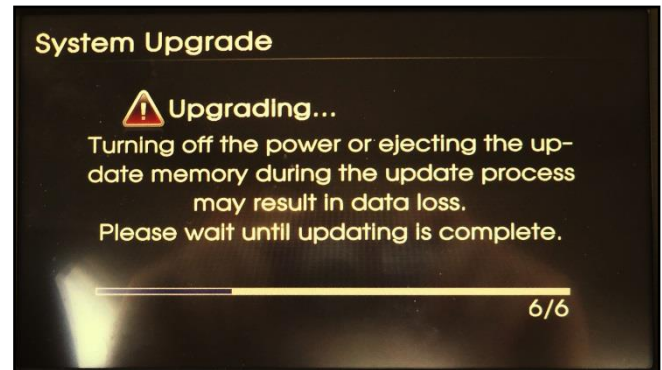


SUBJECT: SERVICE ACTION: SOUL (PS), OPTIMA (QF) AND SORENTO (XM) NAVIGATION SYSTEM UPGRADE (SA161)

4. The upgrade screen will be displayed and the system will install 6 updates.

*** NOTICE**

- If the upgrade screen does not display automatically, press  > Setup > System Update > Update.
- Do NOT turn the vehicle OFF while the update is in progress.



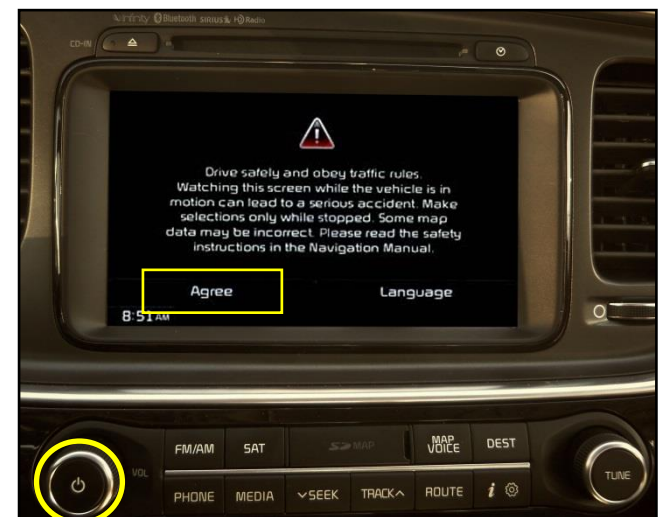
5. If the AVN update is successful, the system will be turned **OFF** and the display will go dark.

*** NOTICE**

If the AVN update fails, turn the ignition **OFF** and restart the procedure from step 1.



6. Press the power button to turn the AVN system **ON**. Then, remove the upgrade SD card from the slot and re-insert the map SD card. Allow the system to restart and touch **Agree** on the screen.



SUBJECT: SERVICE ACTION: SOUL (PS), OPTIMA (QF) AND SORENTO (XM) NAVIGATION SYSTEM UPGRADE (SA161)

- Press the **i** button and then touch the **Setup** button on the screen.



- Touch the **System Update** button on the screen.



- Confirm the upgrade software version matches the information shown in the table below:

Model	Upgrade Software Version
QF	TF.FL.USA.SOP.14.008
XM	XM.USA.SOP.14.036



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Soul (PS) AVN Operating System Upgrade Procedure:

1. Start the vehicle or connect the Midtronics GR8-1299 charger.
2. Touch **Agree** on the screen.

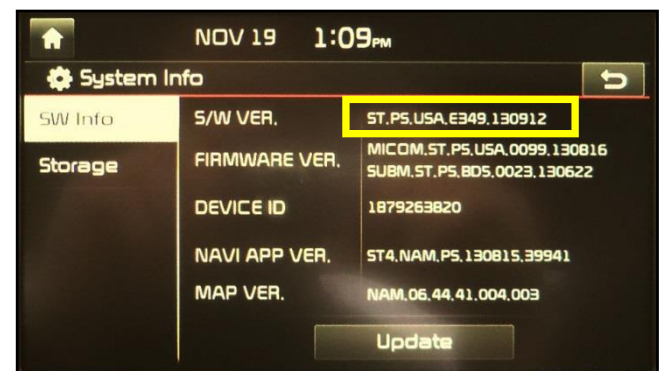


3. Press the **SETUP** button. Then, scroll to the bottom of the page and touch **System Info** on the screen.



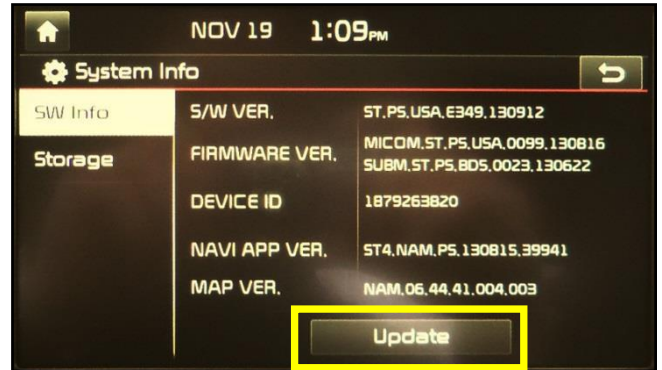
4. Verify the Original software version matches one of the versions shown in the table below:

Model	Original Software Version
PS	ST.PS.USA.E348.130816
	ST.PS.USA.E349.130912
	ST.PS.USA.E350.131018



SUBJECT: SERVICE ACTION: SOUL (PS), OPTIMA (QF) AND SORENTO (XM) NAVIGATION SYSTEM UPGRADE (SA161)

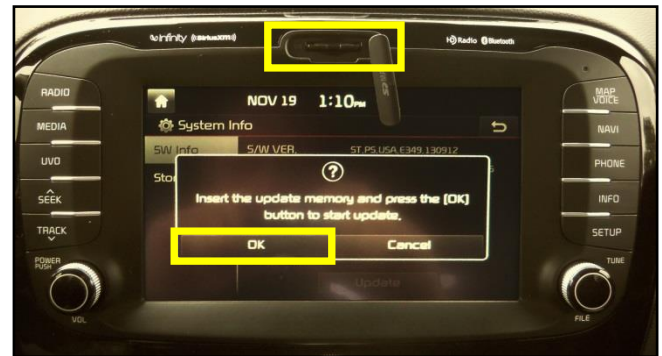
5. Touch **Update** on the screen.



6. Remove the map SD Card from the slot and insert the upgrade SD Card. Then, touch **OK**.

*** NOTICE**

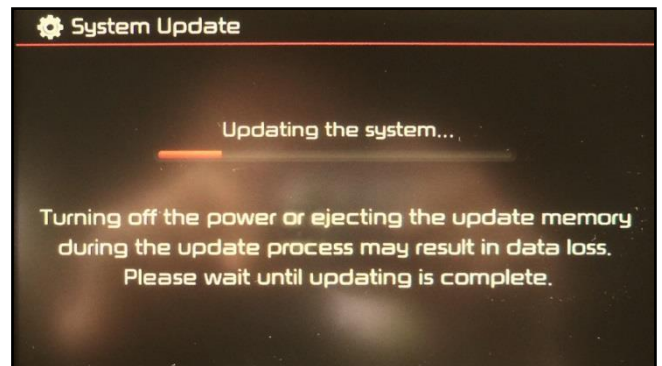
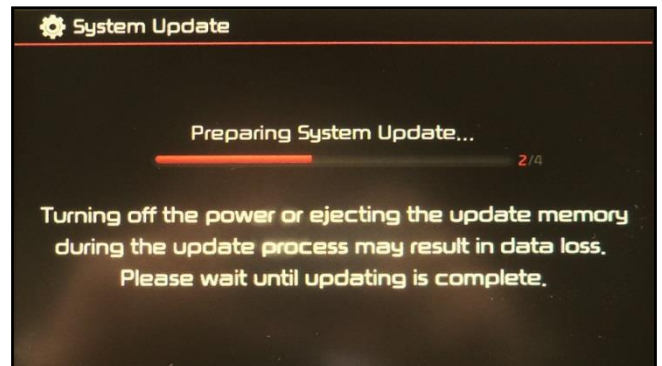
This AVN update will take approximately 25-30 minutes to complete.



7. The system will first prepare the update and then installation will begin. After the update is installed, the system will restart automatically.

*** NOTICE**

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

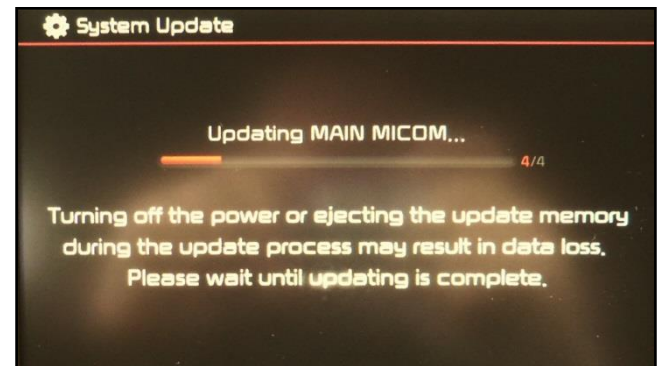
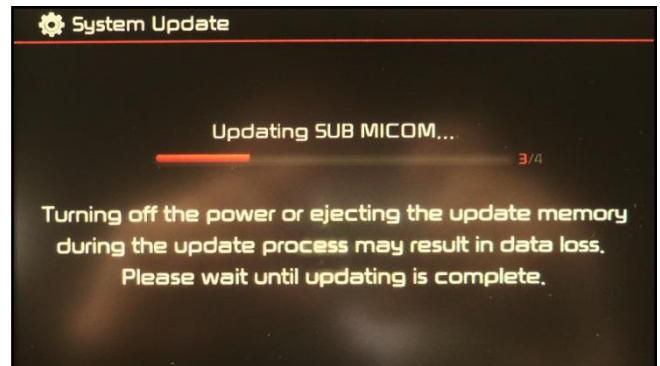


SUBJECT: SERVICE ACTION: SOUL (PS), OPTIMA (QF) AND SORENTO (XM) NAVIGATION SYSTEM UPGRADE (SA161)

- After the system restarts, the update will continue with Sub Micom and Main Micom updates.

*** NOTICE**

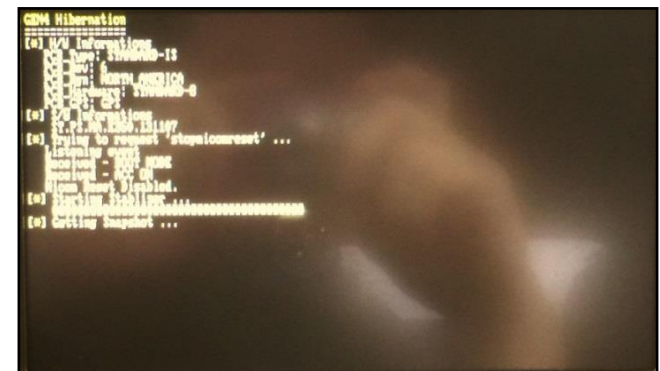
Do NOT turn the vehicle OFF while the update is in progress.



- After the Micom updates are complete, the system will restart. The system will then check various parameters and will perform a final restart.

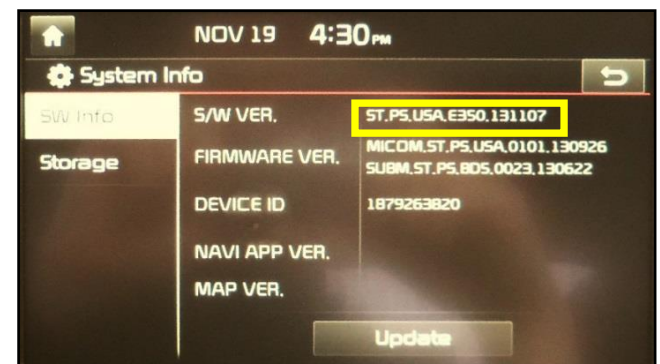
*** NOTICE**

If at any point the AVN update fails, turn the ignition OFF and restart the procedure from step 1.



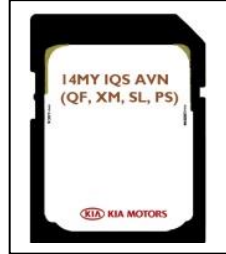
- Once the system has restarted, remove the upgrade SD card from the slot and re-insert the map SD card. Allow the system to restart and then press **SETUP > System Info** to verify the upgrade software version number matches the information shown below:

Model	Upgrade Software Version
PS	ST.PS.USA.E350.131107



SUBJECT: SERVICE ACTION: SOUL (PS), OPTIMA (QF) AND SORENTO (XM) NAVIGATION SYSTEM UPGRADE (SA161)

REQUIRED PARTS:

Part Name	Desc.	Figure
Upgrade SD Card	14MY IQS AVN	

AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Soul (PS)	From Sep. 6, 2013 through Oct. 23, 2013
Optima (QF)	From Oct. 29, 2013 through Nov. 15, 2013
Sorento (XM)	From Oct. 27, 2013 through Nov. 15, 2013

SERVICE ACTION 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 B2090CA	0	N50	C98	(SA161) AVN Software Upgrade (PS)	130117R0	0.3 M/H	N/A	0
V	96170 2TBA0CA	0	N50	C98	(SA161) AVN Software Upgrade (QF)	130A12R0	0.3 M/H	N/A	0
V	96560 1UAA1VA	0	N50	C98	(SA161) AVN Software Upgrade (XM)	130A13R0	0.3 M/H	N/A	0

*** NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA161 when accessing the WebDCS system.