Navigation System Firmware Update

**Service
Category**   Audio/Visual/Telematics

Section   Navigation/Multi Info Display   **Market**   USA

Lexus Supports
ASE Certification

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014	GX460	

Introduction

Some 2014 model year GX 460 vehicles equipped with navigation may exhibit one or more of the following conditions:

- The audio power off cannot be controlled for approximately 15 seconds after ignition cycle

- Navigation system resets while tuning XM Radio

- Slow update of HD Traffic Info

- Voice recognition is unavailable due to initialization*

A software update is now available to address these conditions.

* For this condition it is recommended that you also delete personal data on the head unit before the firmware update.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL1313	Update Software	0.3	86804-60B20	87	74

APPLICABLE WARRANTY
- **This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.**

- **Warranty application is limited to occurrence of the specified condition described in this bulletin.**

Navigation System Firmware Update

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
USB Drive Firmware Update - Denso*	02015-DENSO-13D	1

* Essential SST.

NOTE

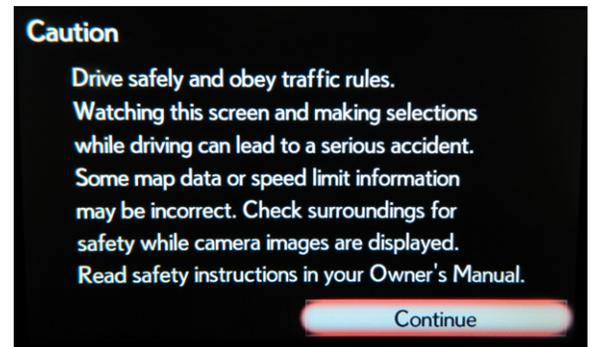**Additional SSTs may be ordered by calling 1-800-933-8335.**

Repair Procedure

1. Confirm the software version.

    A. Cycle ignition to ACC. The *LEXUS* emblem will be displayed on the navigation screen.

Figure 1.

    B. Wait for the display to switch to the *Caution* screen, and then select *Continue*. The map screen will display.

Figure 2.

Navigation System Firmware Update
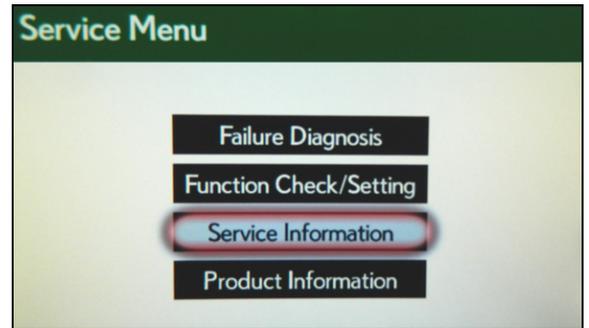
Repair Procedure (Continued)

C. Enter the *Service Menu* by cycling the headlight switch ON/OFF 3 times while holding down the INFO button.
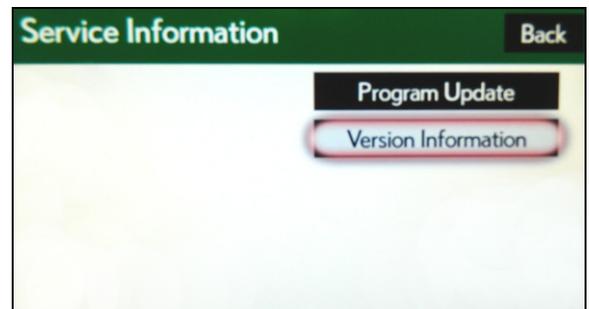
Figure 3.
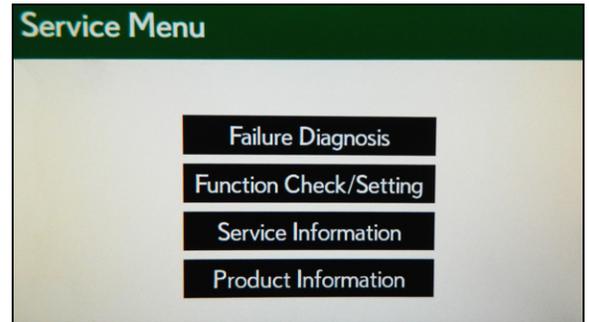
D. Select *Service Information*.

Figure 4.
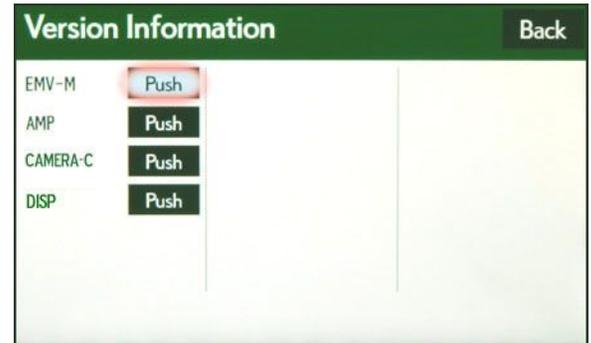

E. Select *Version Information*.

Figure 5.

Navigation System Firmware Update

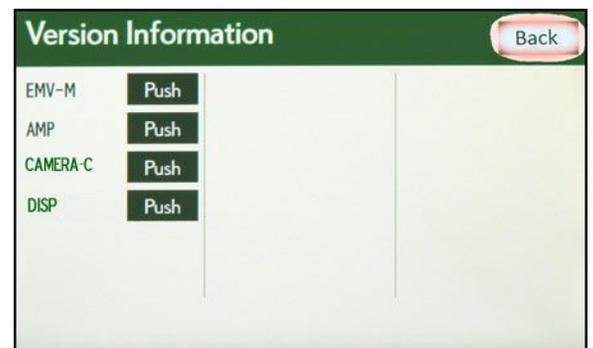**Repair Procedure (Continued)**

F. Select *EMV-M*.

Figure 6.

G. Confirm current version is older than new version.

- If the current version is V12A8110 or greater, **STOP –** this bulletin does NOT apply.

- If the current version is less than V12A8110, proceed to the next step.
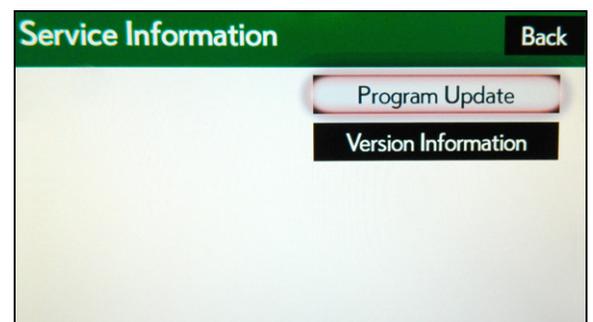
2. Update software version.

A. Select *Back* twice.

Figure 7.

B. Select *Program Update*.
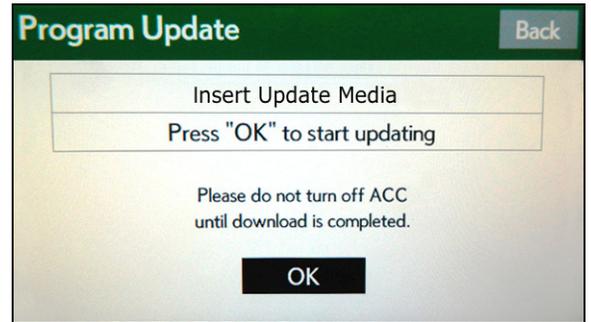
Figure 8.

Navigation System Firmware Update

Repair Procedure (Continued)

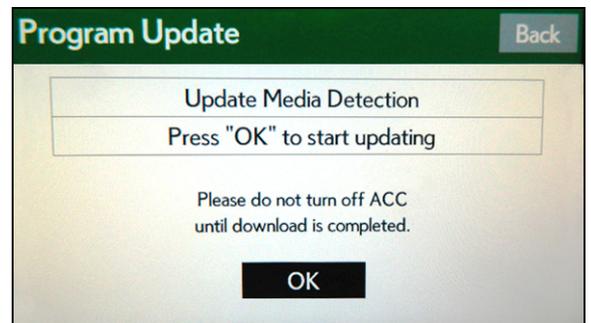C. Connect USB Drive SST to the USB port in the auxiliary box.

> **NOTICE**
>
> **Do NOT attempt to close the auxiliary box lid. Doing so may result in damage to the USB Drive SST or USB port.**
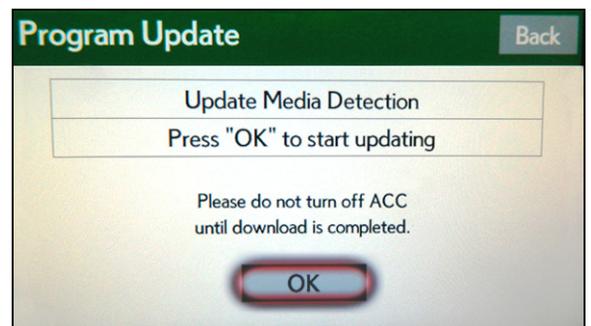
Figure 9.

D. Wait for the system to recognize the update media.
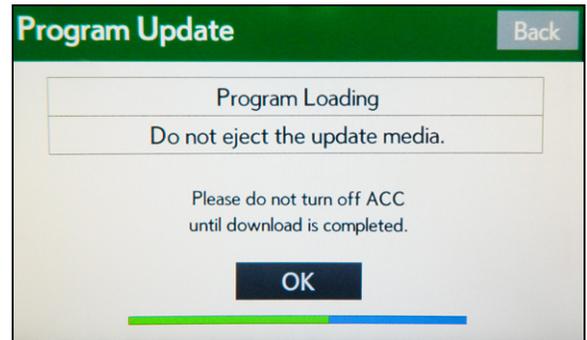
Figure 10.

E. Select *OK*.

Figure 11.

Navigation System Firmware Update
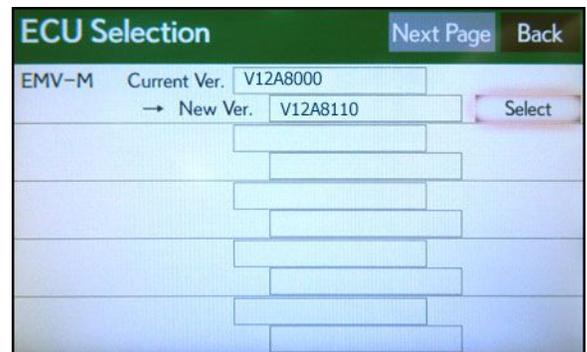
Repair Procedure (Continued)

F. Wait for the upload to finish. This should take about 2 – 3 minutes.
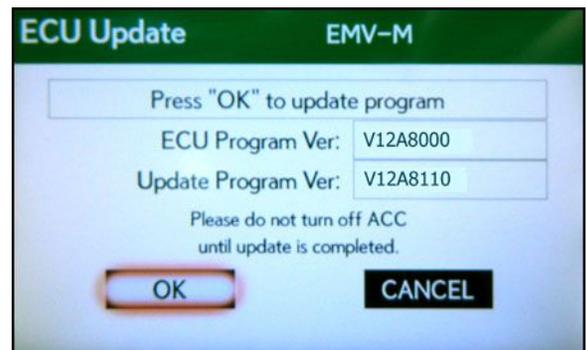
Figure 12.

G. Once the upload finishes, the *ECU Selection* page will be displayed. Choose *Select* next to the new version.

Figure 13.

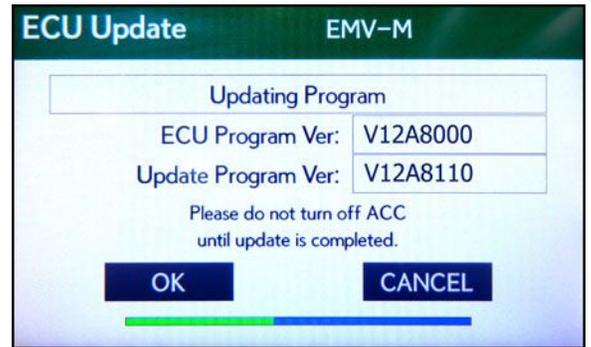H. Select *OK* to confirm update.

Figure 14.

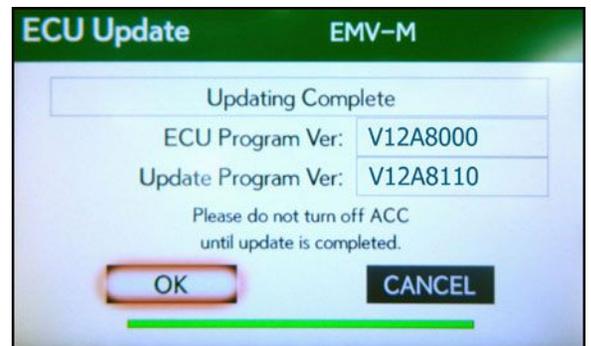# Navigation System Firmware Update

Repair Procedure (Continued)

I. Wait until update is complete. This should take about 3 – 5 minutes.
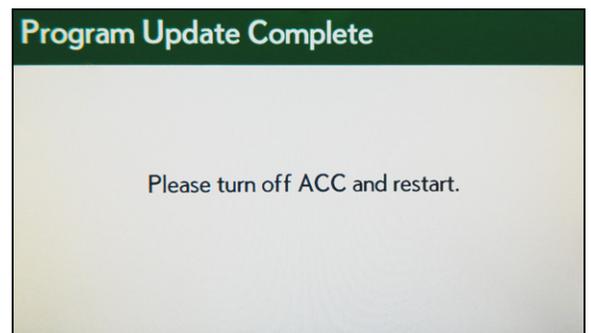
Figure 15.

ECU Update   EMV−M

Updating Program

ECU Program Ver: V12A8000
Update Program Ver: V12A8110

Please do not turn off ACC
until update is completed.

OK   CANCEL

J. Select *OK*.

Figure 16.

ECU Update   EMV−M

Updating Complete

ECU Program Ver: V12A8000
Update Program Ver: V12A8110

Please do not turn off ACC
until update is completed.

OK   CANCEL

K. Cycle ignition to the OFF position and remove the USB Drive SST.

Figure 17.

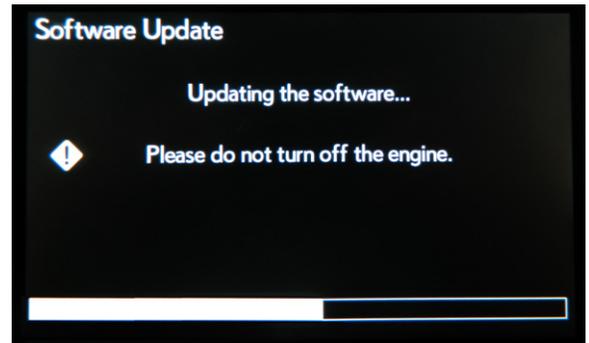Program Update Complete

Please turn off ACC and restart.

Navigation System Firmware Update

Repair Procedure (Continued)

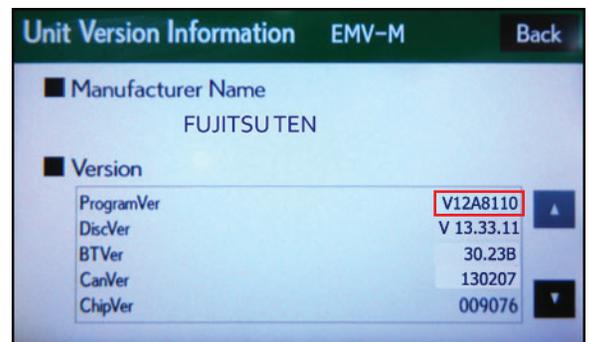L. Cycle ignition to ACC and wait for the update to finish.

Figure 18.

M. Following the update, the system should boot up as usual with the *LEXUS* emblem.

Figure 19.

3. Confirm the software version is updated.

A. Perform sub-steps B – F of step 1 to navigate to the *Unit Version Information* screen.

B. Confirm Program Version is V12A8110.

Figure 20.

Navigation System Firmware Update

Repair Procedure (Continued)

C. Exit *Service Mode* by cycling ignition OFF or holding down the HOME button for at least 5 seconds.

> **NOTE**
>
> **If the screen shown appears after start-up, following the update, select *OK*.**

Figure 21.