MAZDA CONNECT CMU SOFTWARE VERSION 70.00.335C AND LATER UPDATE PROCEDURE
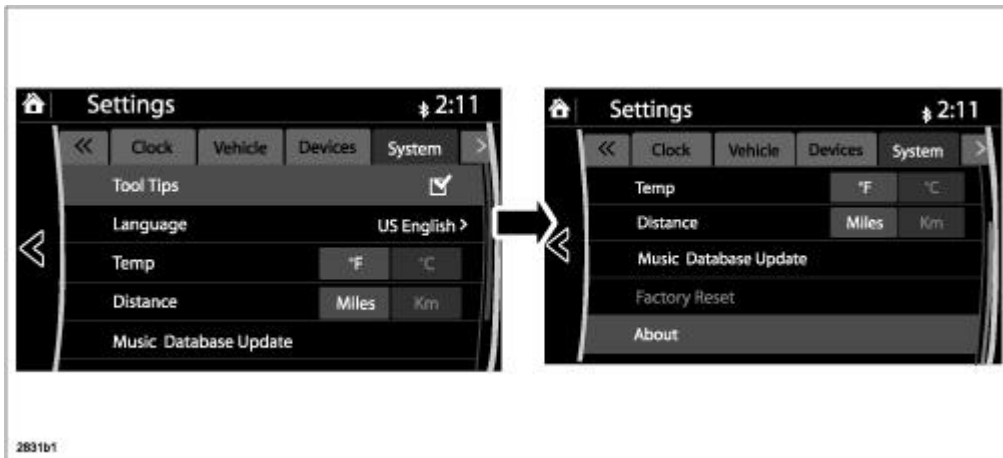
IMPORTANT:

- The ignition must be in ACC and not ON. If the ignition is ON, DTCs may be set.
- DO NOT shut off the ignition or let it shut off at any time during the entire MAZDA CONNECT update process (both Failsafe and Reinstall), otherwise the CMU may be damaged and need to be replaced.
- The ignition must be in ACC for the entire update process, both Failsafe and Reinstall. DO NOT turn off ignition between Failsafe and Reinstall updates.
- The update progress bar will pause for several minutes at the 12% and 91% point, please wait, do not restart the vehicle or remove the USB. The total update will take about 30 minutes.
- If the ignition is left in the ACC position it will automatically switch off after 25 minutes. Pressing and releasing the clutch pedal (M/T) or the brake pedal (A/T) before 25 minutes resets the timer to ensure the vehicle ignition does not switch off during the update process. Please set a timer for 15 minutes as a reminder if the vehicle is to be left unattended during the update process.
- If the vehicle turns off or you accidentally turn off the vehicle, the update should restart when you turn the ignition back ON. If you do not see any progress after 1-2 minutes, check if the USB drive you are using has a LED indicator.
    - If the LED indicator is not flashing, remove the USB and reinsert it.
    - If the LED indicator is flashing, leave the USB inserted; the update should restart shortly.
- Always use the GR8 Battery Charger in Power Supply mode when updating MAZDA CONNECT.
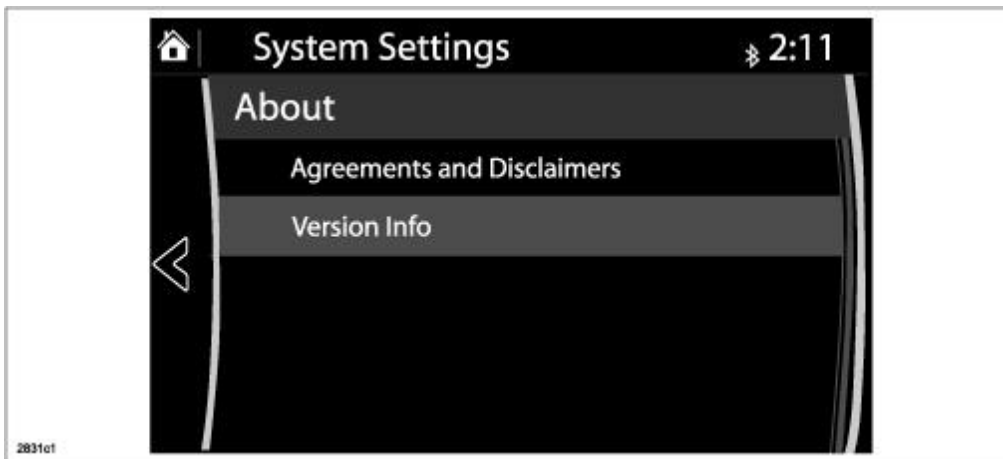
MAZDA CONNECT Software Version Verification Procedure

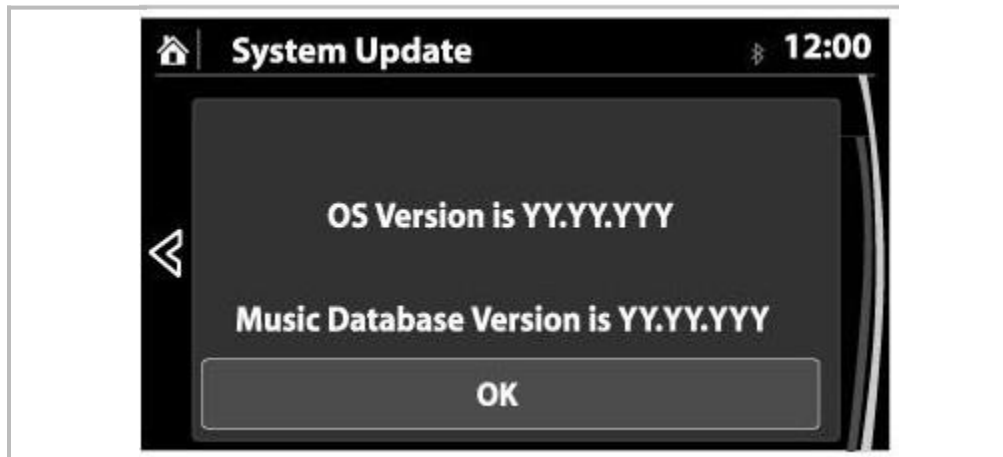1. Select "Settings" from the Home screen to check the software version.

2. Select "System" and scroll down to the "About" option.

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3. Select "Version Info" from the "About" screen.

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4. Make sure the software version installed in the vehicle is not a later version than the version on MGSS, then selee!OK If the software version in the vehicle is earlier than the version on MGSS, update the system using a USB memory stick wh the latest software according to the "Reflash Procedure."If needed, refer to "Downloading Update Software to a USB Memory Stick (for additional USB memory sticks)"below.

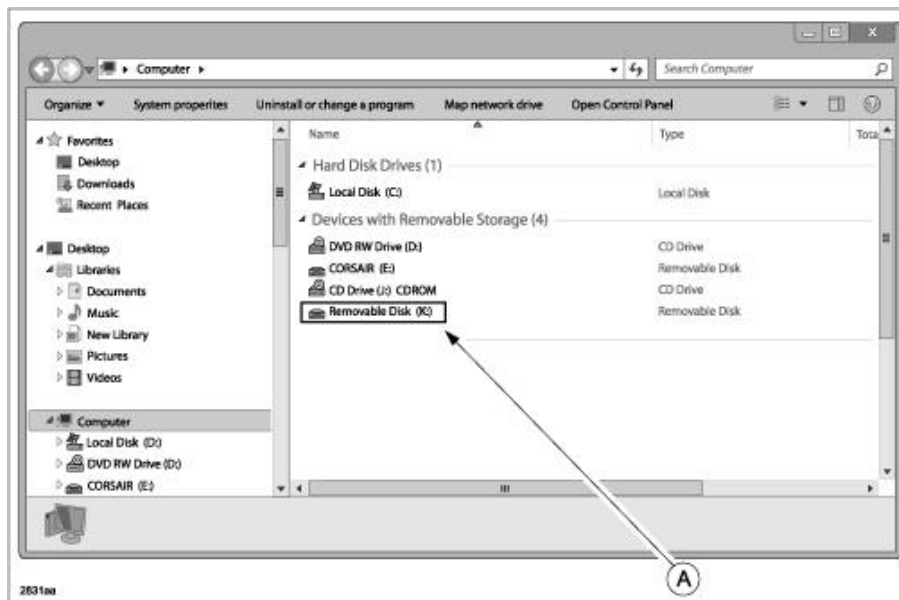## Downloading Update Software to a USB Memory Stick (for additional USB memory sticks)

1.Install the USB memory stick with a minimum 2G of memory into the USB port of a computer with internet access.

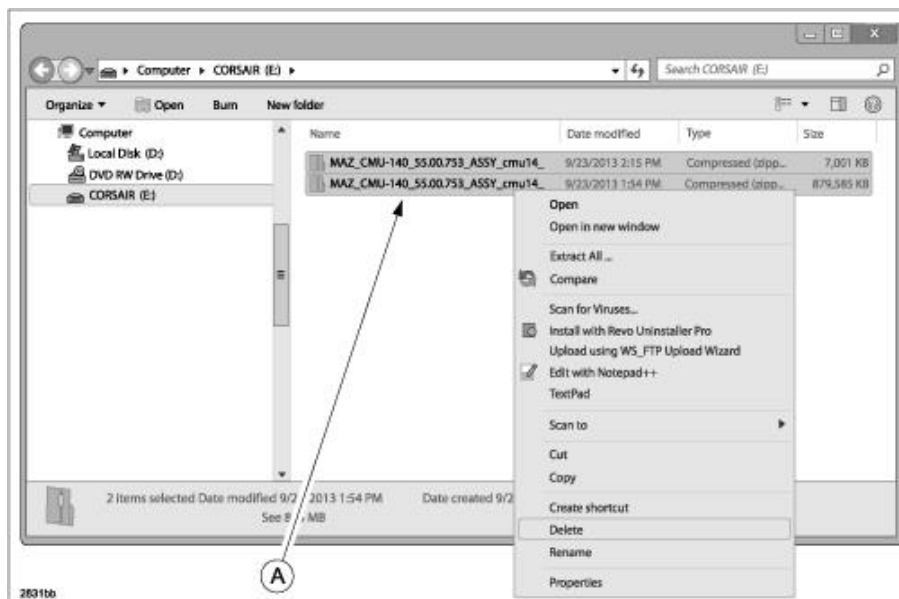**NOTE:** The update files can also be copied from one USB memory stick to another.

CAUTION: More than one software version can be placed on a memory stick, but Mazda recommends placing only one version on a memory stick to avoid updating the system with the wrong version.

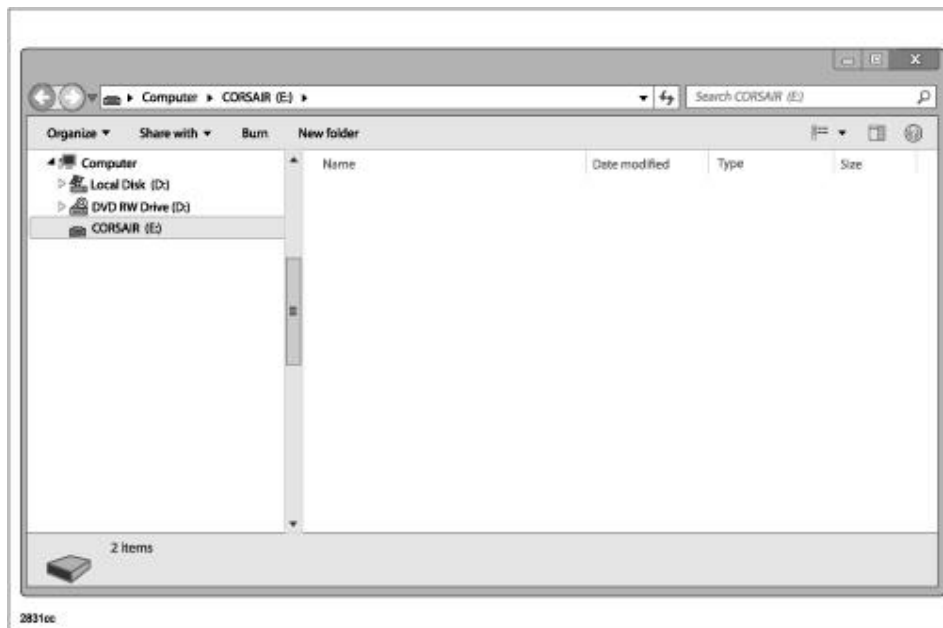2. Go to "Start" and select "Computer," then double-click on the memory stick "removable disk" (A).

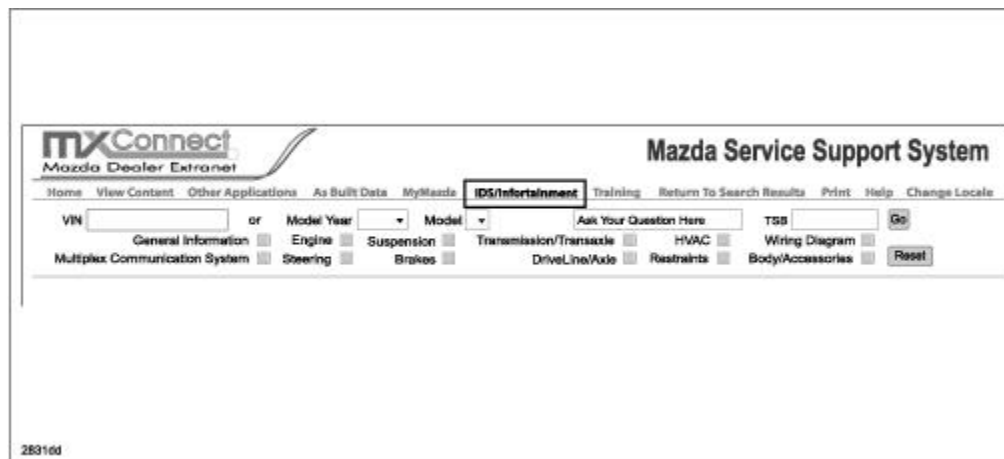**NOTE:** The memory stick may have a different name. Look for "Removable Disk."
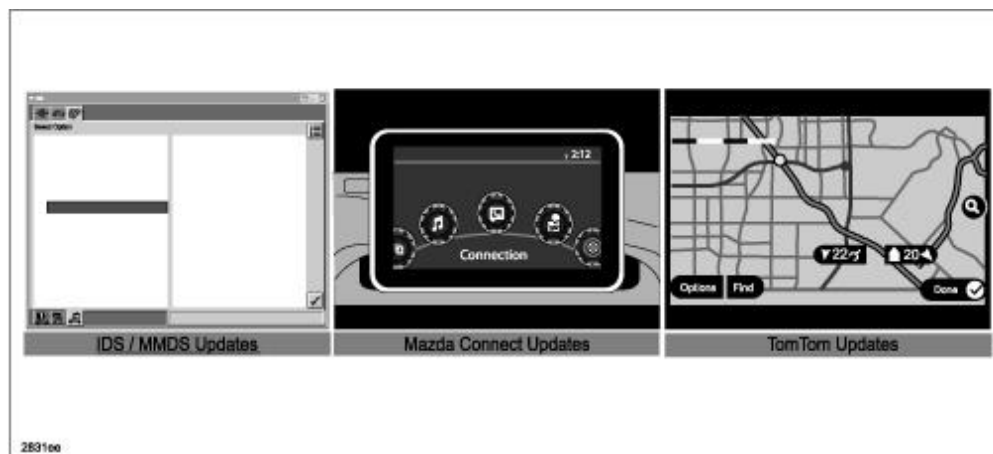

3. Delete any existing files (A).

4. Confirm that no files are left on the memory stick.

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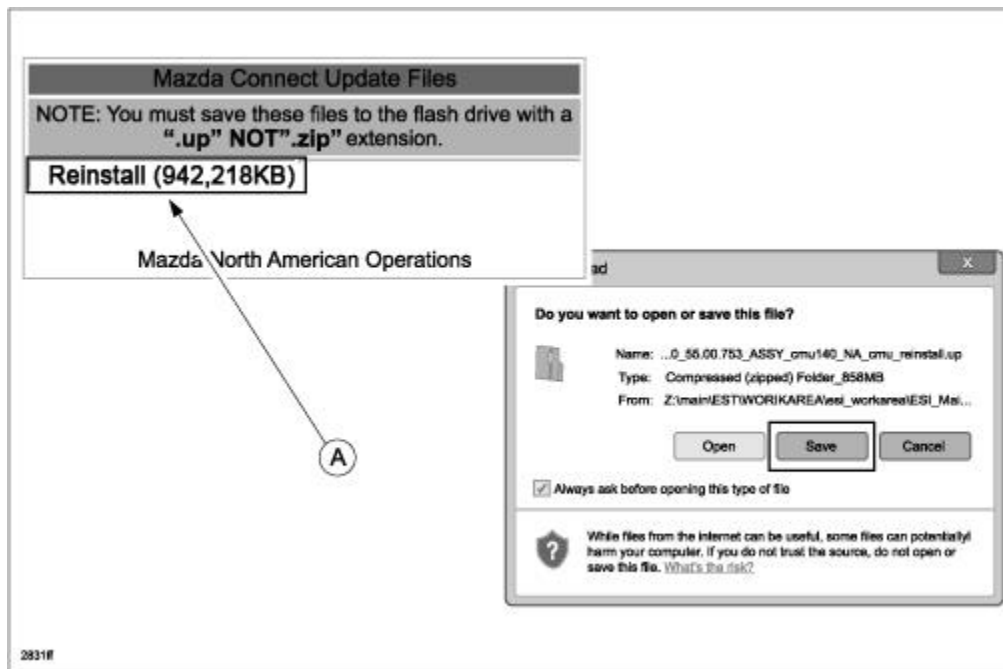5. Log on to MGSS and select "IDS/Infotainment."

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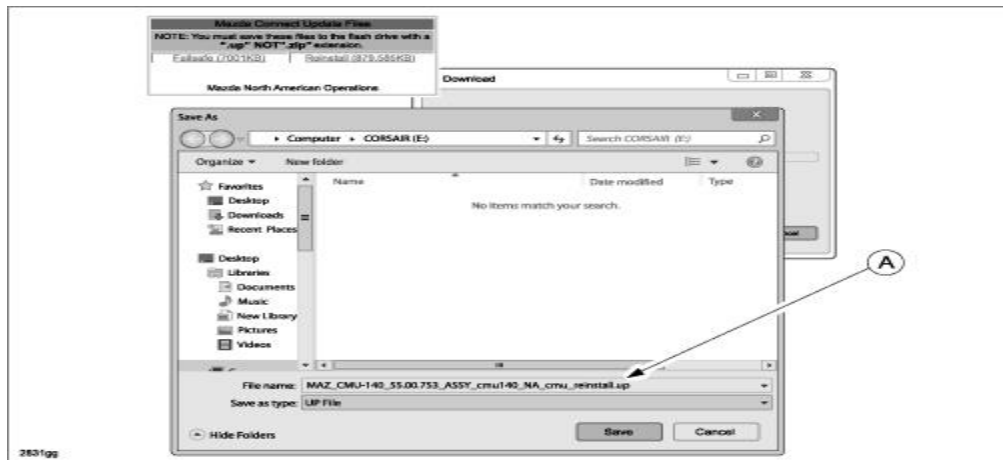6. Select "Mazda Connect Updates."

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7. Select the Reinstall file (A) and "Save."

NOTE: CMU software versions earlier than 70.00.335C require a FailSafe file install before installing the Reinstall file. Download both files to the same USB memory.

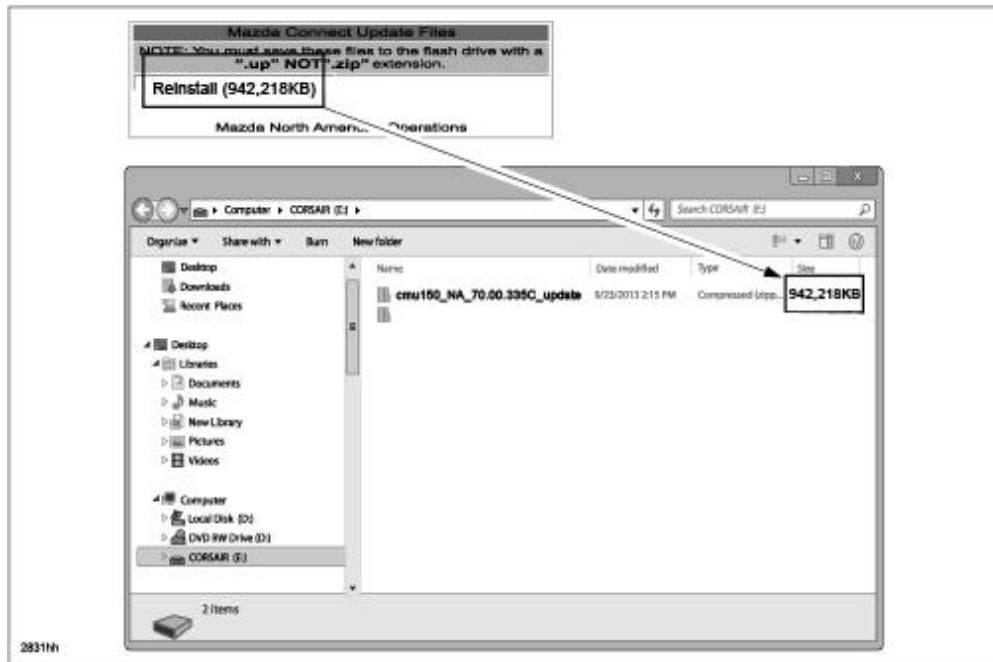8. Change the file extension from ".zip" to ".up" (A).

NOTE: If you do not save the file with a ".up" file extension, you will have to delete the download and start again.

9. Save the file to the memory stick.

10. After completing the downloads, compare the size of the files to the ones on the download page.

- If the size is the same, proceed to the reflash procedure.
- If the size is not the same, delete the files on the memory stick and start over.
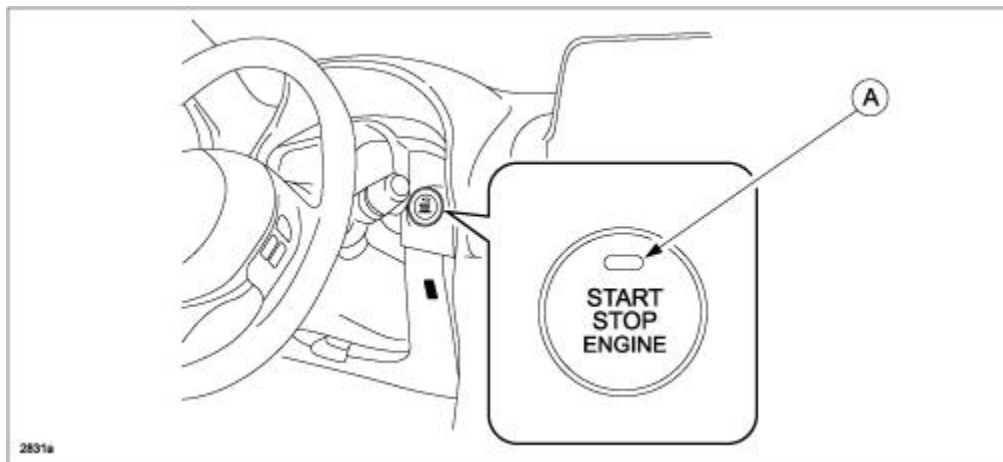
Reflash Procedure

NOTE: When the system is updated, all factory defaults are restored and personal settings (such as display and sound adjustments) are lost, including favorites information and phones paired with the system. Before starting the reflash procedure, obtain the customer's acceptance for this loss.

1. Record the customer's radio favorites (AM/FM/XM).
2. Turn the ignition switch to OFF.

NOTE: All electrical loads should be turned off during the reflashing process, especially the air conditioner (blower), rear defogger, and room lamps.
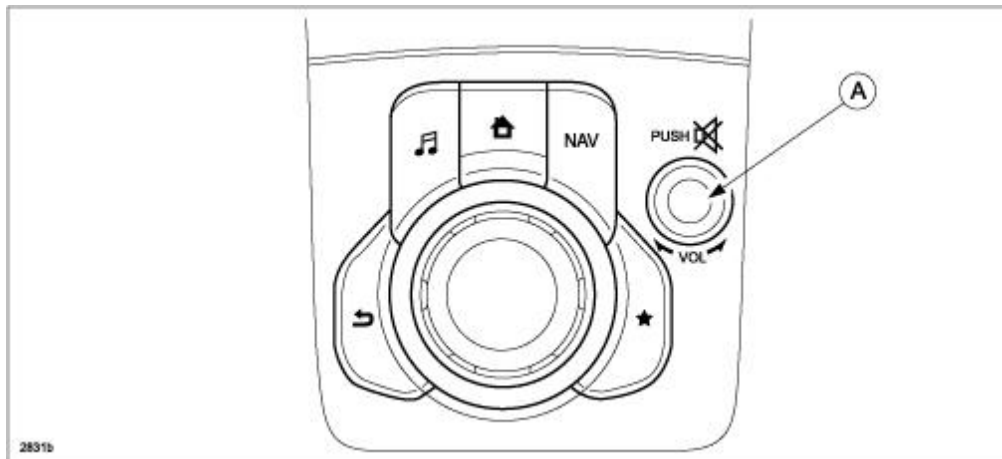
3. Remove the SD card from the slot and any USB devices if present.
4. Install the ROOM FUSE and AUDIO FUSE to the fuse block in the engine compartment (if not installed).
5. Connect battery charger (charge current maintained about 7A) to the vehicle to stabilize voltage fluctuation.
6. Press the START/STOP ENGINE push button 1 time without depressing the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle), to switch the ignition position to ACC. Confirm that the push button start indicator light (A) is illuminated (amber) and the display in the instrument cluster is OFF (ignition position is in ACC).

NOTE: The engine starts by pressing the push button start while depressing the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle). To switch the ignition position without starting the engine, press the START/STOP ENGINE push button without depressing the pedal.
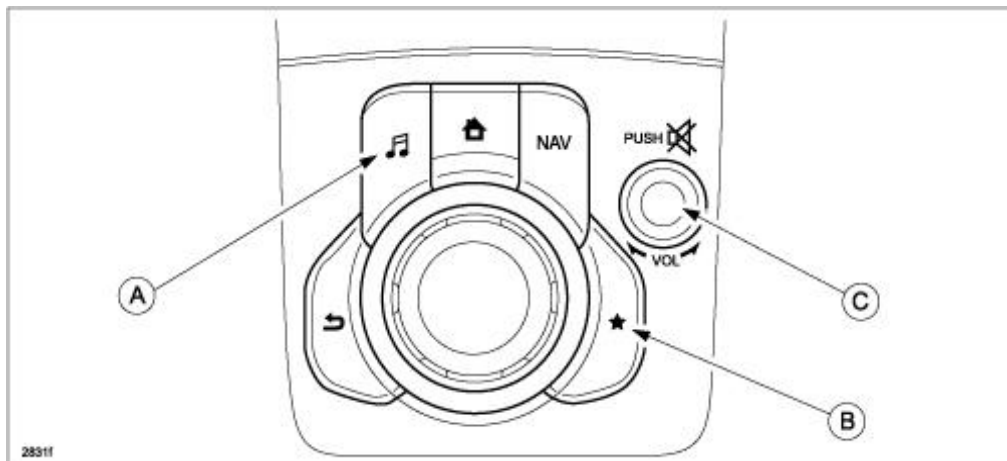
NOTE: If the ignition is left in the ACC position it will automatically switch off after 25 minutes. Pressing and releasing the clutch pedal (Manual Transaxle) or the brake pedal (Automatic Transaxle) before 25 minutes resets the timer to ensure the vehicle does not switch off during the reflash process.

7. Select the radio source (AM/FM/XM) and verify that there is a sound coming from the speakers. If sound cannot be heard, turn the volume dial (A) to turn the volume up, or make sure that MUTE is not on.
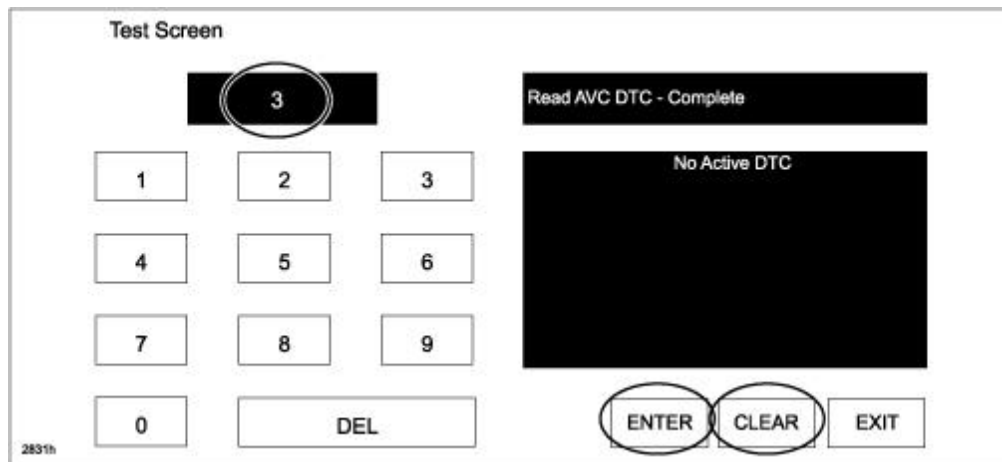

NOTE: When sound is heard from the speakers, the system is in stand-by condition.

8. Press the three buttons (Music (A) + Favorites (B) + Volume Mute (C)) on the commander switch at the same time for 2-5 seconds and the Diagnostic Test Screen will appear.
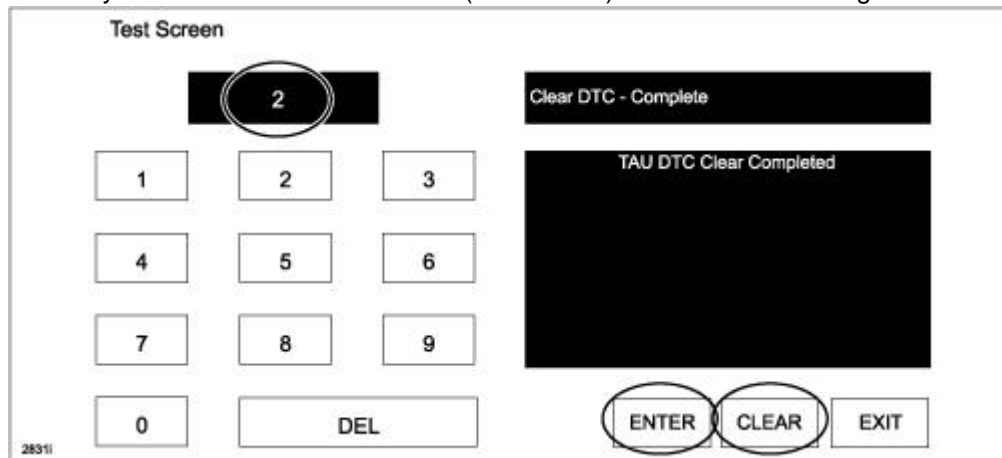
9. On the test screen, input '3' and then select "ENTER" to verify whether any DTCs (in the CMU) are active. Select "CLEAR" to go to next step.

Test Screen

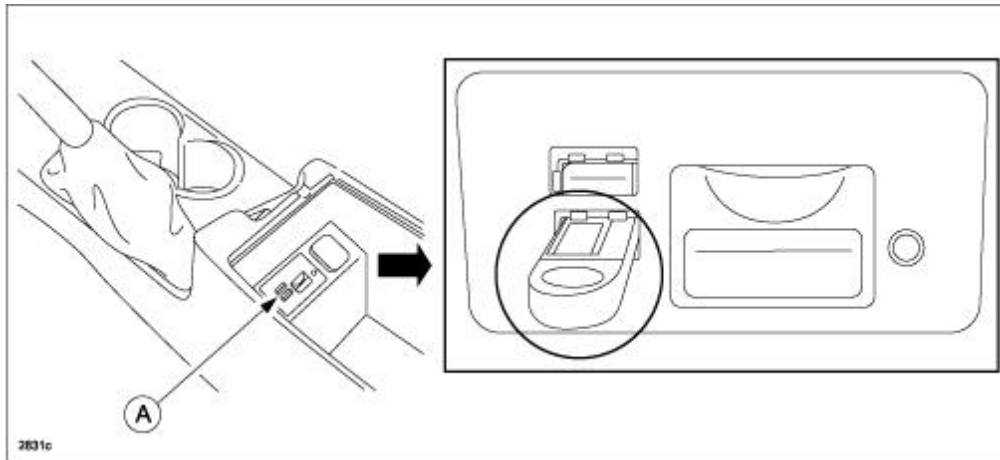|			Read AVC DTC - Complete
	3		No Active DTC
1	2	3	
4	5	6	
7	8	9	
0	DEL		ENTER CLEAR EXIT

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10. Whether any DTCs are present or not, input '2' on the test screen and then select "ENTER". This will internally clear all the earlier set DTCs (in the CMU). Select "CLEAR" to go to next step.

Test Screen

			Clear DTC - Complete
	2		TAU DTC Clear Completed
1	2	3	
4	5	6	
7	8	9	
0	DEL		ENTER CLEAR EXIT

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11. To complete the DTC deletion, press the START/STOP push button to turn the ignition OFF and remove all key fobs from the vehicle and lock all doors (except hood), wait for 3 minutes.
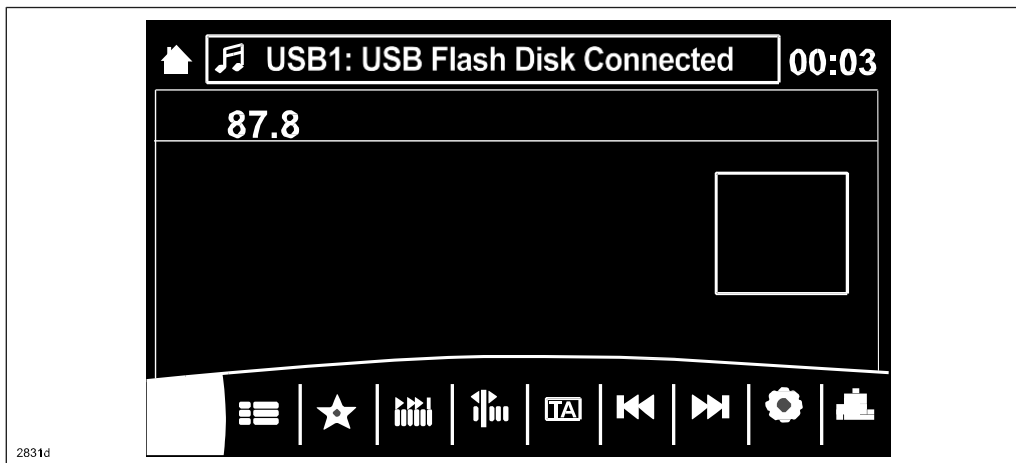
12. Press the START/STOP ENGINE push button 1 time without depressing the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle), to switch the ignition position to ACC.

13. Connect the prepared USB memory stick to the either one of the two USB port (A), depending on vehicle equipment.
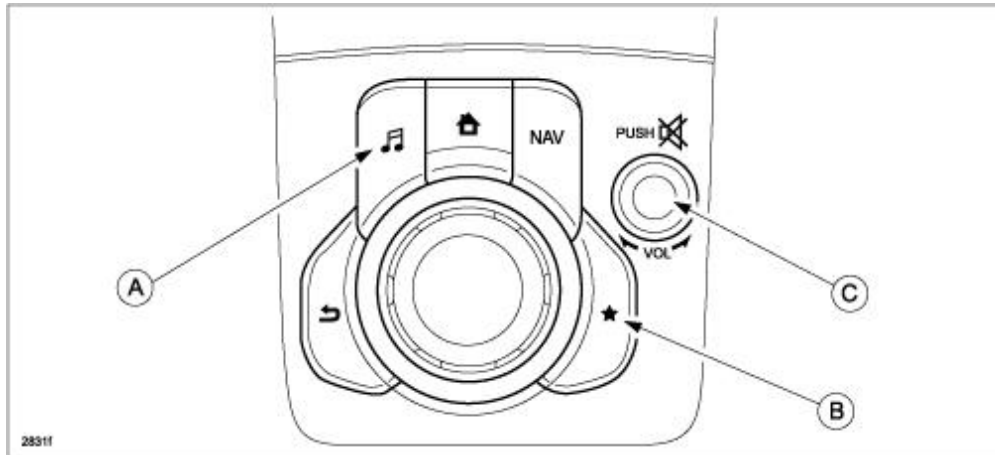

NOTE: There should only be the prepared USB memory stick inserted in one of the USB ports. Nothing else should be inserted in the other USB port during the re-flashing process.

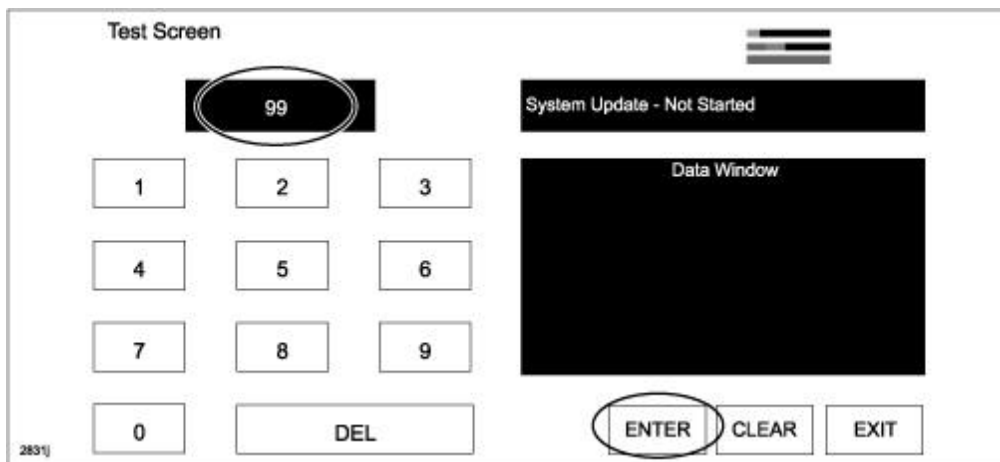14. When the USB memory stick is recognized, the following message will appear briefly on the screen.

NOTE: If the USB memory stick is not recognized by the system, return to step 11.
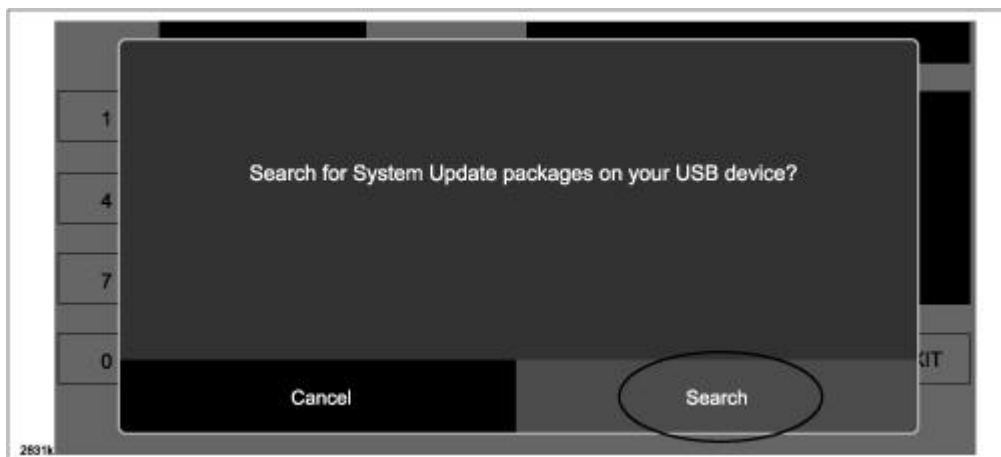
15. Press the three buttons (Music (A) + Favorites (B) + Volume Mute (C)) on the commander switch at the same time for 2-5 seconds.
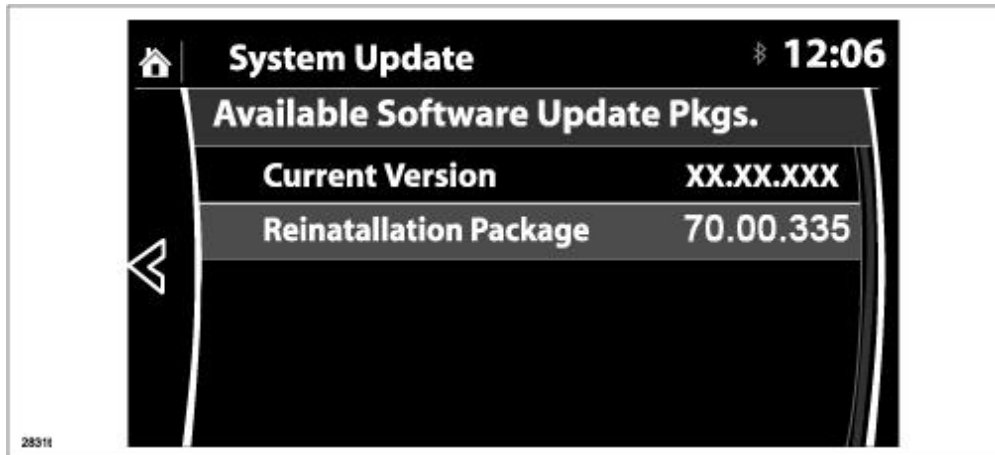

16. Use the touchscreen or the commander switch to input '99' and then select "ENTER" on the Test screen.

17. Select "Search" on the screen below.
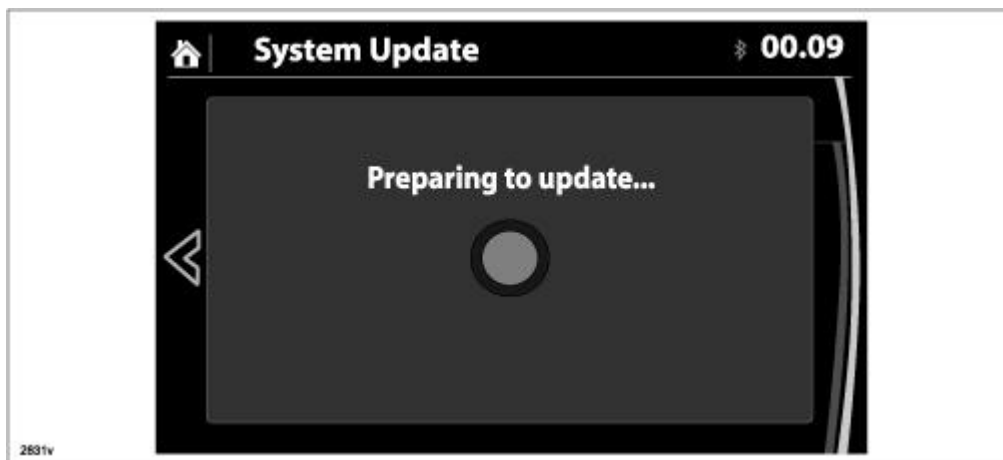
18. Select "Reinstallation Package" using the touch screen.

18. Select "Install" on the screen below.
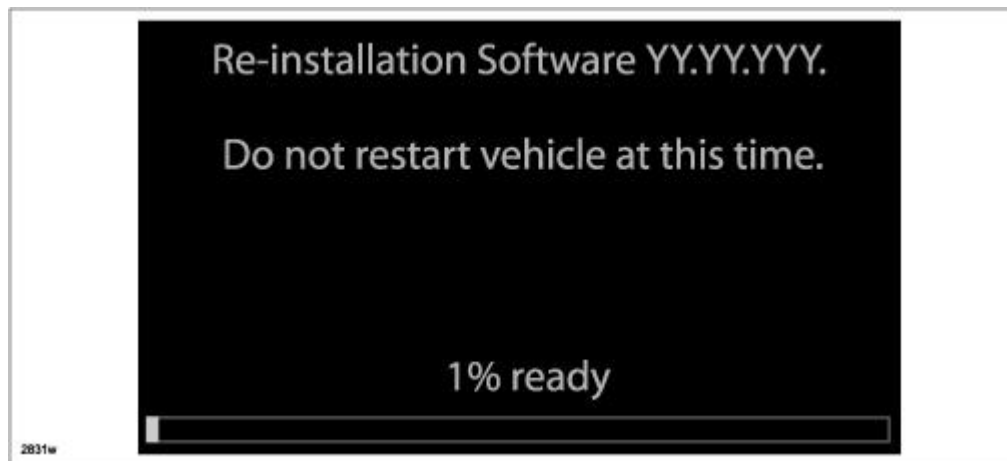

20. The screen below will be displayed.

NOTE: Blank screens (black and white) are displayed momentarily. It will take approx. 2 minutes before the reflashing process moves to the next screen.

21. Reinstallation will start from 0% and as the reflashing process takes place, the progress bar will gradually increase to 100%.
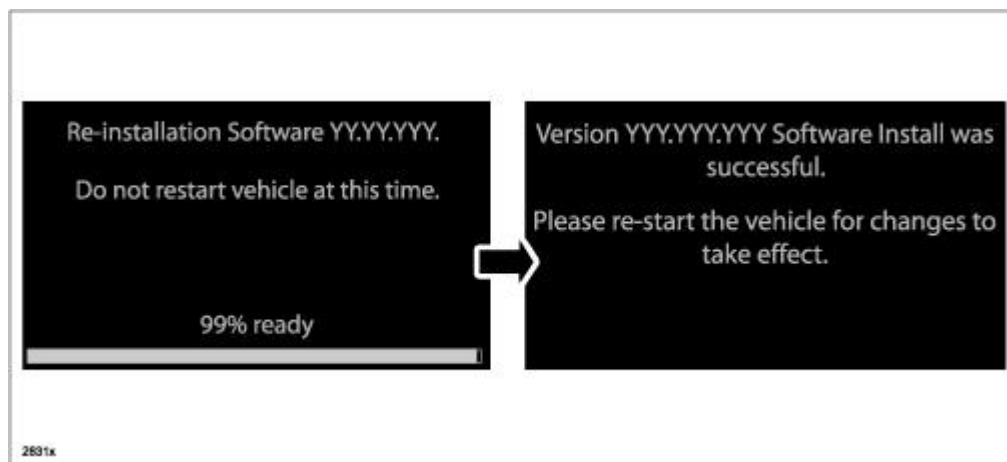
NOTE: In order to avoid the ACC power being turned off during the reflashing process, press and release the clutch pedal (Manual Transaxle) or the brake pedal (Automatic Transaxle) before 25 minutes if needed.

NOTE: It may be difficult to read the display at times as it becomes dark, but "Do not restart vehicle at this time" is displayed.

CAUTION: DO NOT turn the ignition ON to avoid damaging the CMU.

NOTE: It will take some time for the reflashing process to get from 98% to 100%. After the installation, do not follow "re-start" message. Proceed to next step.
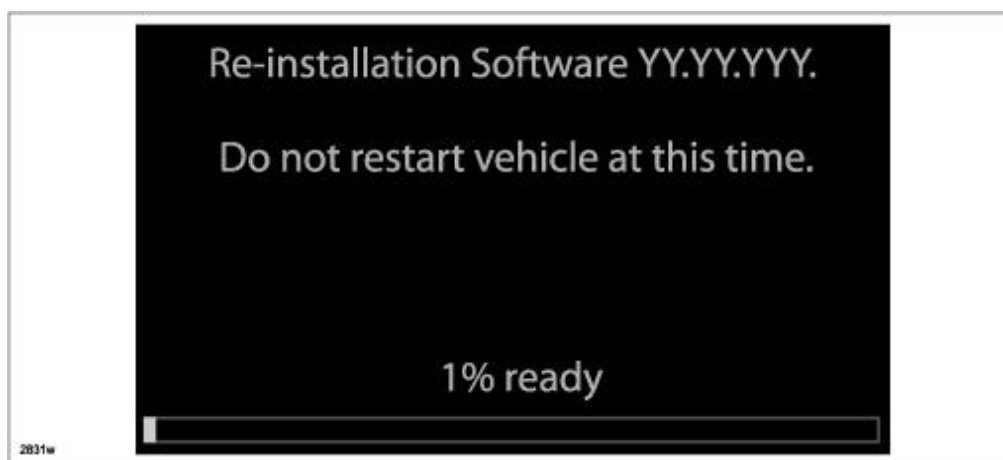
22. After the update is completed with the above right screen, confirm that the push button start indicator light is illuminated (amber) and the display in the instrument cluster is OFF (ignition is in "ACC"). If the ignition is "OFF" and the push button start indicator light is not illuminated (amber), turn the ignition to "ACC" and one of the following two screens will be displayed.

Type A: Reprogramming has already been completed. Go to next step

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Type B: The ignition was turned "OFF" during the reflashing process. This screen will continue to be displayed until reflashing is completed. After the reflashing is completed, go to next step.

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NOTE: After the task bar is shown, if the screen turns to white or freezes without showing a completion screen, follow this step:

1) Push the START/STOP button to turn the ignition switch OFF.

NOTE: DO NOT start the engine.

2) Wait until the screen turns to
black.
3) Remove the USB memory stick.
4) Remove ROOM fuse and wait for one
minute. e. Install ROOM fuse.
5) Press the START/STOP ENGINE push button 1 time without depressing the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle) to switch the ignition position to ACC.

NOTE: DO NOT start the engine.

6) Confirm the screen shown below appears.

7) Connect the USB memory stick to the USB
port. i. Confirm the task bar appears on screen.

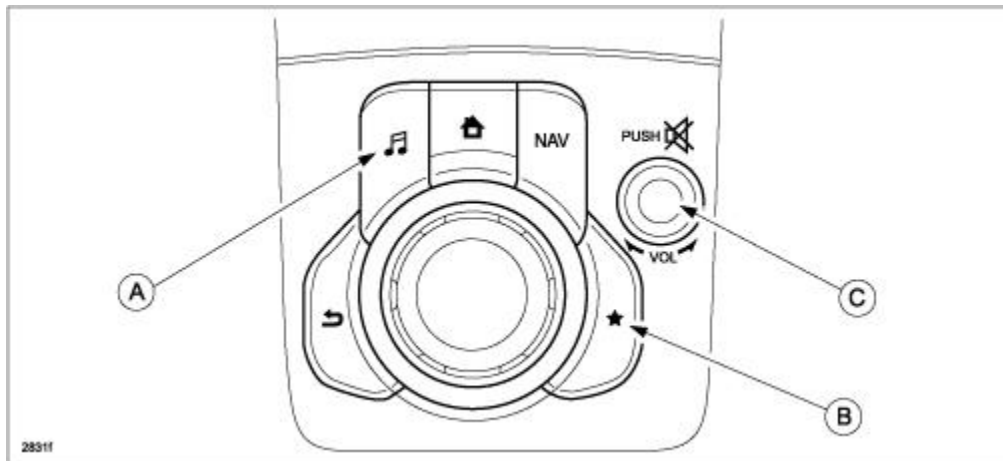23. Push the START/STOP button to turn the ignition switch OFF.
24. To stabilize the system, turn IG off and remove all key fobs from the vehicle and lock all doors (except hood), wait for 3 minutes.
25. Press the START/STOP ENGINE push button 1 time without depressing the clutch pedal (manual transaxle) or the brake pedal (automatic transaxle) to switch the ignition position to ACC.
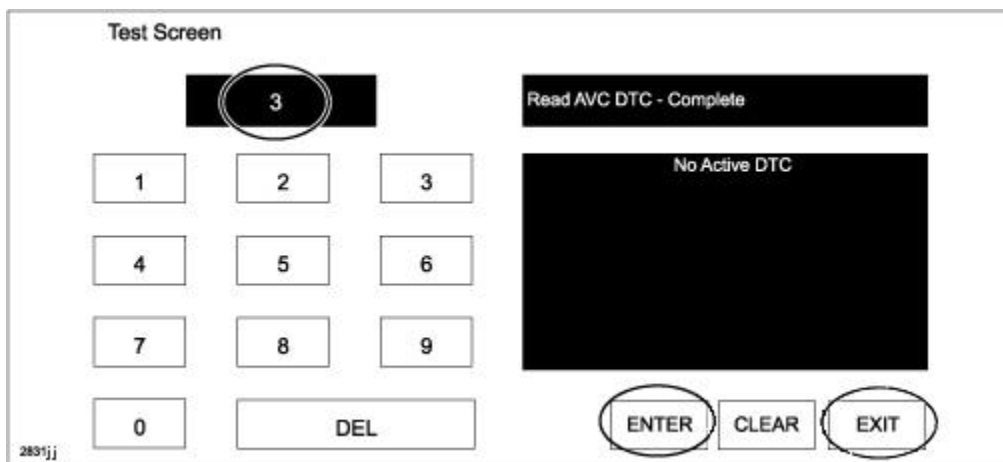26. After the system starts, wait for a minute without any operation to have the configuration finished. (Ignition switch may be at ON and the vehicle may be driven.)
27. Check the software version to make sure it is the same as on the USB memory stick. See MAZDA CONNECT Software Version Verification Procedure.

28. Press the three buttons (Music (A) + Favorites (B) + Volume Mute (C)) on the commander switch at the same time for 2-5 seconds to open the Diagnostics Test screen again.

29. On the test screen, input '3' and then select "ENTER" to verify whether any DTCs (in the CMU) are active. Select "EXIT" to go to next step. If any DTC are present, diagnose it following to the Workshop Manual.

30. Turn the ignition switch OFF, then remove the USB memory stick from the USB port.

NOTE: Before attempting to re-pair a phone to the system, delete MAZDA from the list of Bluetooth devices on any phone that is paired with the system. If not deleted, the phone will not be able to be paired with the system because the phone will think it is already paired.

31. Disconnect the battery charger from the vehicle.
32. Insert the SD card into the slot.
33. Turn the ignition switch ON.
34. Go to NAV screen and confirm current vehicle location is correctly displayed.

- If it is not correct, drive the vehicle at a speed of 15 km/h (10 mph) or faster until the correct location is shown.

35. Set the customer's radio favorites (AM/FM/XM).