

LMS2, Service Bulletin, Firmware Update Procedure

Description of Service Bulletin

This service bulletin relates to the firmware update procedure for LMS2 display modules.

Affected Components

LMS2-LASX015 – Display Module

LMS2-LASX153 – Display Module

Compliance Requirements

None

Action Required

Tools Required

The following tools are required for the memory card update:

- Small Phillips Head Screwdriver to remove memory card from display
- 2. Magnetic digital spirit level

Memory Card Update Procedure

The following procedure is required to update the memory cards:

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- Move the machine to a flat level surface and lower the boom to 0.0°, confirm the chassis is level in both the lateral and longitudinal directions using a digital spirit level. Confirm the boom is at 0.0° with a digital spirit level.
- Switch the power to the machine off at the ignition and wait until the LMS display switches off.
- 3. Using a small Phillips Head Screwdriver, remove the memory card cover from the LMS display.



- 4. Remove the SD memory card from the display by first pushing the memory card in and then removing it once it is partially ejected. The memory card is a push-to-eject type. Please note that units prior to 1/6/2012 will have single SD memory cards, units after 1/6/2012 have dual Micro SD cards.
- 5. Locate the files provided for your machine by opening the .zip file provided.
 - **a.** Delete the contents of the memory card(s).
 - Copy the files from the .zip file to the root directory of your memory card.



Name ^	Date modified	Type
Mattach	22/03/2013 9:49 AM	File folder
I BSS	17/07/2012 6:22 PM	File folder
Jan Cal	17/07/2012 6:22 PM	File folder
Jamera 🔒 Camera	17/07/2012 6:22 PM	File folder
U CONFIG	17/07/2012 6:22 PM	File folder
Januari Firmware	17/07/2012 6:22 PM	File folder
I GRAPHICS	6/01/2013 9:01 AM	File folder
🍌 ID_LOGIN	17/07/2012 6:23 PM	File folder
INTWORK	30/05/2010 3:19 PM	File folder
🍌 P25_6	24/03/2013 11:07 AM	File folder
퉬 RADIO	17/07/2012 6:23 PM	File folder
I RATINGS	22/03/2013 9:38 AM	File folder
SOUNDS	3/12/2012 2:11 PM	File folder
factory.dat	24/03/2013 11:06 AM	DAT File

c. The file layout should look similar to the layout below:

- 6. Re-install the memory card cover and the screw from the display.
- 7. Switch on the power to the Machine by turning the key to ACC.
- When ready the LMS display will prompt the operator to press the LMS button to start the firmware update. Press the LMS button once. The firmware update procedure will take about 2 minutes.
- Once complete, switch off the display and switch it back on again whilst holding down the LMS button.
- 10. A red icon will appear in the lower left corner of the LMS display. Continue holding the button down until the number next to the icon shows a number which represents the lifting height of the machine, and release the button. (NOTE: Do not disclose this procedure to any third party, for a P25.6 the number is 6, for a P38.13 the number is 13.)
- 11. The LMS display will enter factory setup mode.
- Push the LMS button once to select "calibration" and hold the LMS button down until the arrow turns red, release the button.

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- 13. Press the LMS button once to select Chassis Zero and hold the LMS button down until the arrow turns red. You will notice a check mark appears, indicating that the procedure is complete. Note: ensure the chassis is on level ground prior to completing this procedure.
- 14. Ensure the Boom Zero is selected, and hold the LMS button down until the arrow turns red. You will notice a check mark appears, indicating that the procedure is complete. Note: Ensure the boom angle is set to 0 degrees using a magnetic spirit level before completing this procedure.
- 15. Ensure that "Back" is selected and hold the LMS button down until the arrow turns red to return to the previous menu.
- 16. Select the Radio Network menu.
- 17. Select "Link Boom Router" and hold the LMS button down until the arrow turns red. Note: It is important that only one LMS2 equipped machine is in the vicinity for this procedure to execute correctly.
- 18. Once completed, restart the LMS display by switching the machine off and then on again.

Standard Fork Attachments – Zero

Due to tolerances in the machines, it is sometimes desirable to set the zero weight of the forks.

The following procedure can be completed to determine if the fork zero needs to be set:

- 1. Ensure the standard forks (i.e. A0300, A0301, A0304, etc. are fitted and that the forks are kept horizontally level.
- 2. Fully retract the boom.



- Raise the boom angle to 20° and then lower it back to 10°. If you exceed 10° do not lift the boom up again as this will interfere with the calibration.
- 4. If the load displayed is less than 0kg then complete the standard fork calibration procedure below.

Procedure

- Start the machine and hold the LMS button down as in previous steps to enter the factory menu.
- 2. Enter the Attachment Settings Menu.
- 3. Select the "Zero Fork Weight" menu item.
- 4. The weight is now set and the LMS can be restarted.

Additional Notes

Please visit <u>http://sil3.com.au/lms2</u> for more information.