



INSTRUCTION TO SERVICE

ITS-61325		JUNE 2, 2025
SECTION:	600-CUSTOMER OPTIONS	
SUBJECT:	Flashing Brigade 360 Camera ECU using SD card	
ISSUE:	Brigade 360 Camera Generation 3 system does not have the correct MCI updates for the toggle switch operation.	
SUMMARY:	<ul style="list-style-type: none">- Locate the Brigade 360 ECU.- Load the configuration onto an SD Card.- Connect the Calibration Tool to the ECU.- Insert the SD Card into the Calibration Tool.- Wait for the system to finish updating.- Remove the SD Card.- Validate no defects on 360 view.	

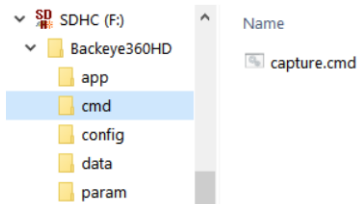
ITS-61325

Ref. NHTSA Recall No.	Ref. Transport Canada Recall No.
Not Applicable	Not Applicable

THIS ITS DOCUMENT SHOULD BE RETAINED AND REFERRED TO FOR FUTURE MAINTENANCE UNTIL THE PARTS AND/OR SERVICE MANUAL IS UPDATED TO REFLECT WORK DONE AS A RESULT OF THIS DOCUMENT. ENSURE THAT THIS DOCUMENT IS AVAILABLE FOR PARTS AND MAINTENANCE STAFF GOING FORWARD.

PROCEDURE:

1. Unzip and load the Backeye360HD folder onto the SD Card (this is the program supplied to you by SES or RPSM).



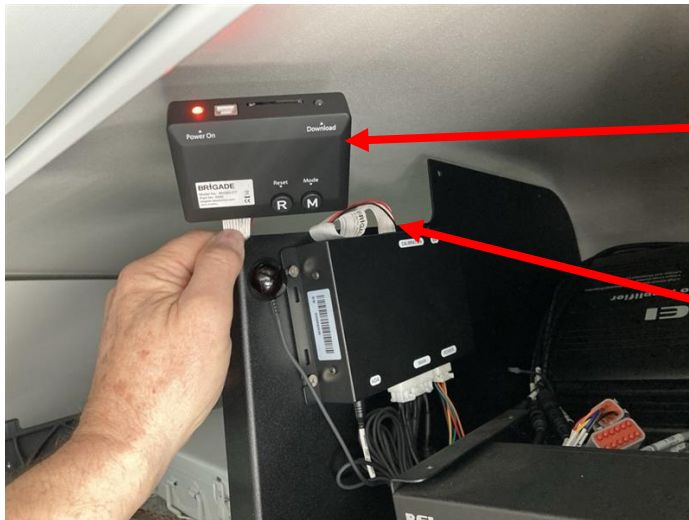
⚠ WARNING: ENSURE THE SD CARD IS CLEARED/FORMATTED BEFORE LOADING THE FILES. THE BACKEYE360HD FOLDER SHOULD BE LOCATED AT THE ROOT DIRECTORY OF THE SD CARD.

2. In the Street-Side Parcel rack, locate the black divider panel by the REI amplifier. This should be where the 360 camera ECU is located.



Brigade 360 Camera ECU

3. Insert the Calibration Tool into the BN360-300-ECU and apply power to the system. The "UPDATE SYSTEM" screen should be displayed on the Instrument Panel prompting the user to insert an SD card.



Calibration Tool

Plug the calibration tool in here



4. Insert the SD Card, the system will automatically begin the update process.

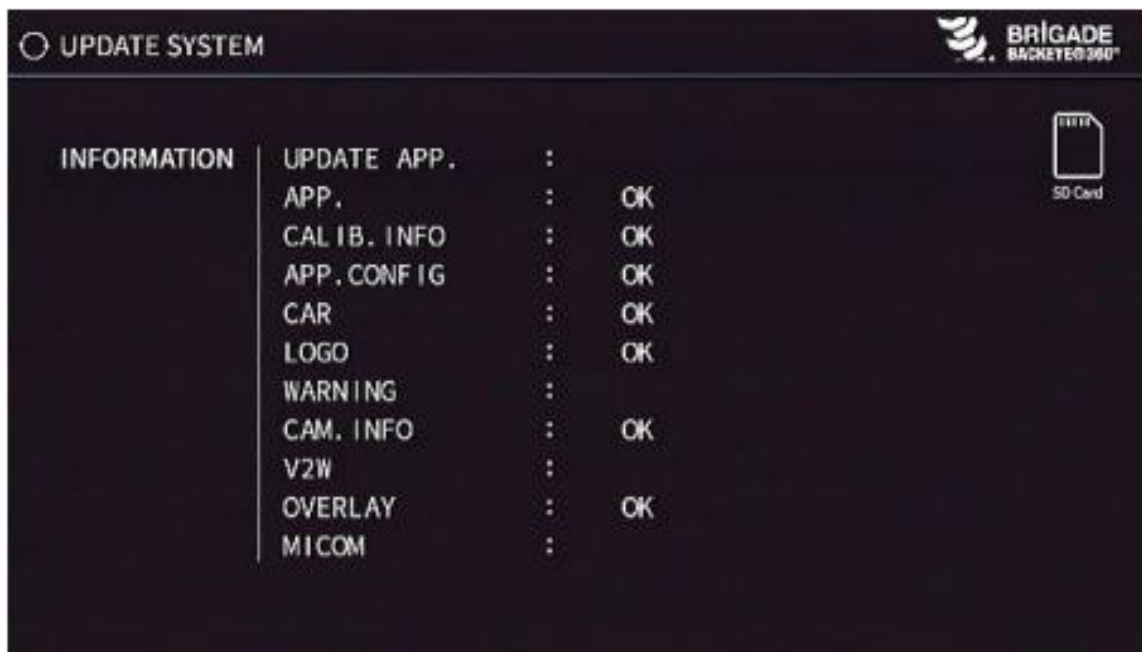


Insert the SD Card here



⚠ WARNING: DO NOT REMOVE THE SD CARD OR CALIBRATION TOOL DURING THIS PROCESS, DOING SO COULD CAUSE PERMANENT DAMAGE TO THE SYSTEM.

5. Once the upload has been completed the following screen should show.



All items that have been updated will be displayed as “OK”. Some items such as “WARNING”, “LOGO” AND “MICOM” and “V2M” may not change so these will be blank.

Skip to step 7 if you do not plan on updating the ECU firmware.

6. Updating the ECU firmware is a two-stage process that requires a second upload to ensure all files are correctly updated. When the “INFORMATION” screen shows, do not eject the SD Card, press the “Reset” button on the Calibration Tool to repeat the calibration upload and wait for the update to complete a second time.



This is the "Reset" button.

When the "INFORMATION" screen is displayed for a second time, eject the SD Card and wait for the "Please Insert SD Card" screen to appear before removing the Calibration Tool (the system can be left powered while the Calibration Tool is removed).



The system will automatically restart.

7. Validate system functionality by ensuring all blended areas are fully tested. This can be done by doing the following:
 - a. Check that all ground level objects (i.e. road markings) will be displayed as they are in the real world.
 - b. There are no blind spots in the surround view including in the blend areas.
 - c. The vehicle image is not larger than the real vehicle (e.g. objects close to the vehicle are not obscured by the vehicle image).
 - d. An object not at ground level (i.e. human body) should be visible all the way around the vehicle. Objects not at ground level may be displayed from two perspectives in the blend area and will fade from one camera to the next.

If any of the above is uncalibrated then follow the procedure, PN 26-07-0178, to correct the issue(s).



LABOUR ESTIMATE				
	Operation	Number of Technician(s)	Hours	Labor Time T X HR
1	Flashing the Brigade 360 ECU	1	0.5	0.5

SPECIAL TOOLS REQUIRED					
Item	Part Number	Description	Qty.	Units	Notes
1	07-08-7619	TOOL-360 CAMERA,CALIBRATION, BRIGADE	1	EA	
2		SD Card (must be larger than 4MB)	1	EA	
3		Brigade 360 Calibration files	1	EA	Request the files from RPSM/SES