



INSTRUCTION TO SERVICE

ITS61869		07/24/2026
SECTION:	290-PLC Programs	
SUBJECT:	#IP Config# - Adding H2 tank pressure and tank temperature gauge on dash	
ISSUE:	Customer requests to add H2 tank pressure and tank temperature gauge on dash as visible metric for H2 fuel testing requirement.	
SUMMARY:	Flash Latest Released IP Program to the Vehicle	

ITS61869

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 NEW FLYER 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.

Section	Field Name	Input / Example
1. EXECUTIVE SUMMARY	Document Type	Customer Request
	Year and Model Affected	Select 2024-2025 XHE40 and XHE60 vehicles
	Triggering Event	Customer requests to add H2 tank pressure and tank temperature gauge on dash as visible metric for H2 fuel testing requirement.
2. SAFETY RISK	Safety Risk Statement	Not Applicable
3. CORRECTIVE ACTION	Corrective Measure	Flash Latest Released IP Program to the Vehicle
	Issue Resolution Statement	Issue resolved by updating IP config Gauge Page 1 and Gauge Page 3 to add H2 tank pressure and tank temperature gauge as requested by customer.
	Validation Criteria	After loading latest released IP program, verify that TANK PRESS gauge and TANK TEMP gauge are displayed on the dash.

PROCEDURE:

1. Set park brake and chock wheels.
2. Turn the main battery disconnect switch to the "ON" position.
3. Turn the MRS Switch to the "DAY RUN" position to turn on the bus.
4. Copy the file(s) supplied by TSS or your RPSM onto a USB flash drive.
WARNING: Ensure both files are loaded onto the root directory (highest level of file path) of the USB flash drive. Do not copy the files into a folder and do not change the file names.
5. If updating a new (unprogrammed) Dash or if App Code needs to be updated, both files must be loaded, and in this order:
1st. APP code – Example: *install_1020627_697831A___.nf*
2nd. IP Config – Example: *DPS70cfg_743550A.tar.gz*
6. Turn the HAZARD SWITCH to "ON".
7. Connect the USB flash drive to the USB port located below the dash.
8. Enter the IP Cluster into service mode by selecting the "Service Mode Icon" in the top right corner of the IP Cluster screen. (Highlighted in red).

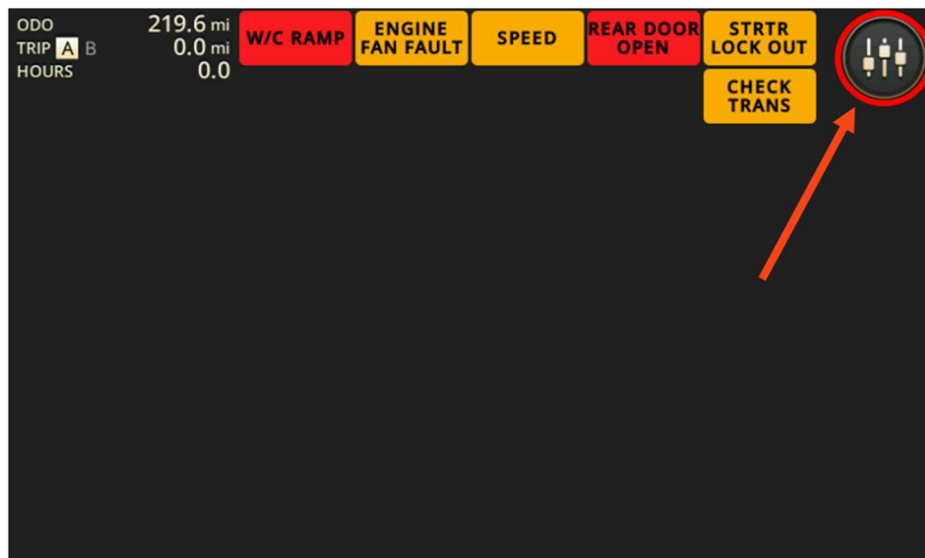


Figure 1 - Service Mode Icon

9. Once prompted to the password entry screen, enter the pin "9876543210".

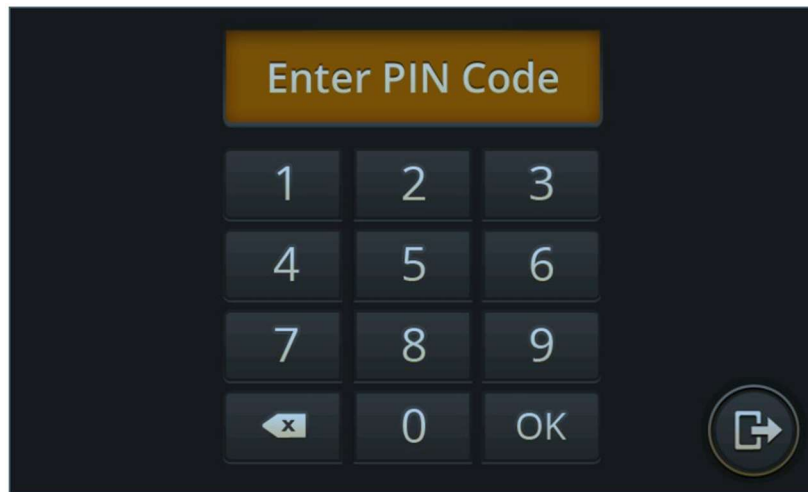


Figure 2 - PIN Code screen

10. Once you are in service mode, select the "Update Application" icon. (Highlighted in red)

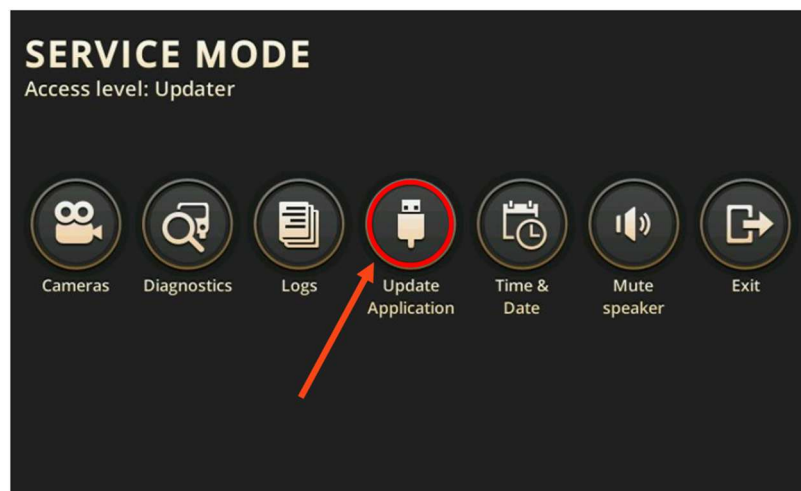


Figure 3 - Update Application

11. You can now select the APP Code file (Example: install_1020627_697831A___.nf) that you have loaded onto the USB flash drive.
- NOTE:** If you update only the IP Config file, select the IP Config file:
(Example: DPS70cfg_743550A.tar.gz).
12. Once you have selected the file from the list of the USB flash drive files displayed on the IP Cluster, select the green check mark to proceed.

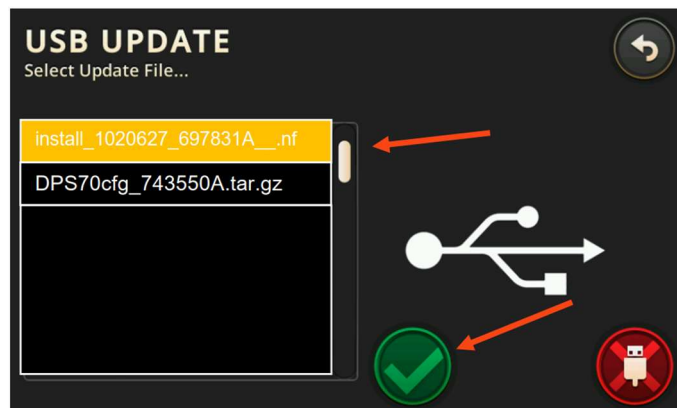


Figure 4 - file navigation screen

13. After reading the warning screen that appears, select the green check mark to proceed.



Figure 5

14. Follow the instructions on the screen prompting you to eject the USB flash drive.



Figure 6

15. The IP cluster will reboot a couple times, and the LCD screen will display "update is in process"

16. Once the IP cluster has finished updating:

If the APP Code was installed, return to step 3, to install the IP Config file.

If IP Config file was installed, Turn MRS switch to STANDBY and turn OFF Hazards switch.

Wait 30 Seconds. Turn MRS switch to DAY/NIGHT RUN and ensure the IP Cluster is operating normally.

Procedure is complete

TROUBLESHOOTING

- i. After updating, if the LCD Display shows a "Invalid Config Files" message:

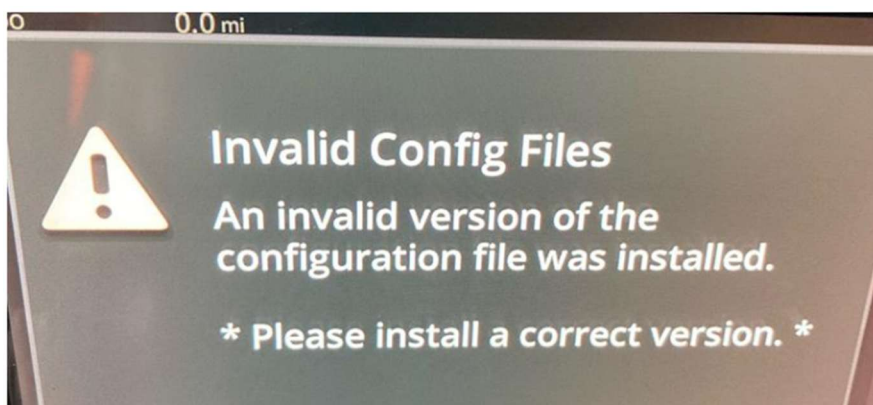


Figure 7 - Invalid Error

- ii. Turn the MRS switch to the STANDBY position and turn OFF Hazard switch. Locate connector XJ1939IP and disconnect.

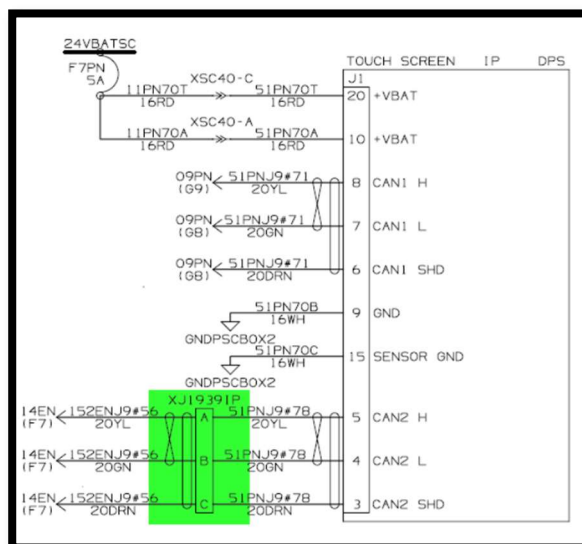


Figure 8 - connector XJ1939IP

- iii. Return to step 6 of the programming instructions to upload the required files.
- iv. If the message below is displayed, re-program the cluster:

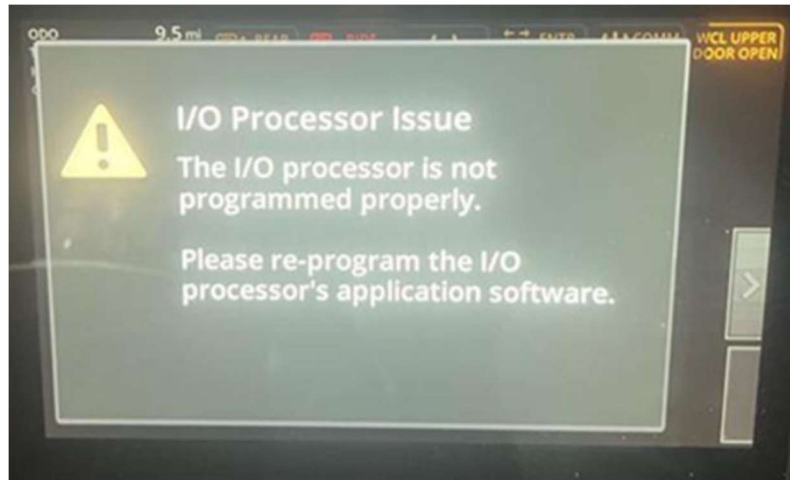


Figure 9 - I/O Processor error

- v. Return to step 3 of the programming instructions to upload the required files.

LABOUR ESTIMATE				
	Operation	Number of Technician(s)	Hours	Labor Time T X HR
1	IP Program	1	0.5	0.5

SPECIAL TOOLS REQUIRED					
Item	Part Number	Description	Qty.	Units	Notes
1		USB Flash Drive	1	EA	