

Reflashing the INLINE 5 Adapter

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NOTE: PLEASE DO NOT ATTEMPT TO REFLASH THE ADAPTER BEFORE READING THIS DOCUMENT.

IMPROPER REFLASH OR USE CAN RESULT IN ERRONEOUS DATA AND MALFUNCTIONING EQUIPMENT.

Please contact your local Cummins distributor if you need additional assistance in reflashing INLINE 5 Adapter

Reflashing INLINE 5 Adapter

Adapters often require their firmware to be reloaded or upgraded with a new firmware. The Reflash Tool provides a convenient way to reflash the INLINE 5 adapter with the desired firmware.

Note: The INLINE 5 Driver must be installed in order to reflash the adapter. Administrative rights are required to associate the USB driver to the PC after reflashing the adapter.

- **1** To begin:
 - 1. Power up the INLINE 5 Adapter. This can be done by connecting the adapter to a Cummins Engine.
 - 2. Click **Start** and go to All Programs > Intelect > INLINE 4-5 Reflash Tool.
- 2 Select the proper port under **Port Select** and click **Get Version.** The adapter will display the FW (Firmware), BL (Boot loader) & PC driver under **Version**.

If the value for **FW** is **5.45** under **Version** then the Reflash is not necessary. If **FW** has a value other than **5.45** then click **Browse** and go to the next step.

Help About Port Select COM1 COM2 COM3 COM4 USB Browse Status Waiting for File selection Progress Version FW BL Get Version PC Driver Iest Driver	💶 Inline 4/5 Reflash Tool	
Port Select COM1 COM2 COM3 COM4 USB Browse Status Waiting for File selection Progress Progress Version FW BL Get Version PC Driver Iest Driver	Help About	
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PC Driver 5. 6. 3. 1 Test Driver	

Reflashing INLINE 5 Adapter (continued)

3 After clicking **Browse**, the **Open** dialog box appears with the available files to choose from.

Open		
Look in:	C Inline 5	7
My Recent Documents	Firmware_ver-4.45.elf.5 Firmware_ver-5.45.elf.5	
Desktop		
My Documents		
My Computer		
S	File name:	ב
My Network Places	Files of type: Inline + irmware (".S. File) Cancel Concel Concel	

Select **Firmware_ver-5.45.elf.S** (C:\Program Files\Common Files\Cummins\Inline 5) and click **Open**.

Open		?
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My Computer	File pame: Filmware_ver/5.45.elf.S Files of type: Infine Filmware (*.S File)	<u>O</u> pen Cancel
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4 Click **Reflash** to begin the Reflash process.

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PC Driver 5. 6. 3. 1	<u>I</u> est Driver

Click Yes to continue.

Inline 4	/5 Reflash Tool
2	Reflash process will take approximately 3 minutes. Do you want to Continue?
	<u>Yes</u> <u>N</u> o

Click **OK** to start the reflash.



Reflashing INLINE 5 Adapter (continued)

5 During the reflash process the USB LED on the adapter will be steady ON.

🕒 Inline 4/5	Reflash Tool	
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FW	5.36	<u>R</u> eflash
BL	5.7	<u>G</u> et Version
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The Status bar displays progress as the adapter is being reflashed.

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BL		5.7	1	<u>G</u> et Ver	sion	
PC	Driver	5. 6. 3. 1	1	<u>⊺</u> est Dr	iver	

- 6 The INLINE 5 Adapter has been successfully reflashed.
 - The previous firmware and the current firmware versions are displayed.

Click OK.

Note: For the next step, Administrative rights are required to install the INLINE 5 USB driver after reflashing the adapter.



Reflashing INLINE 5 Adapter

(continued)

- 7
- In some cases, after the reflash has been completed, the INLINE 5 Adapter USB Driver will need to be installed if using a USB cable to connect through the USB port on the PC.

In which case, using a USB cable, the Found New Hardware Wizard window is displayed.

Select Install the software automatically

(Recommended) and click	N
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Note: This will not be necessary if using a RS-232 Serial cable and connecting through the COM port on the PC.

ext >

The Status bar displays progress as the USB driver is 8 installed.



ind New Hardware Wizard Please wait while the wizard insi	talls the soft w are	
uausb.sys To C:\WINDDWS\	system32\DRIVERS	
(**********		
	< <u>B</u> ack Next>	Cancel

If at anytime the following window appears during the 9 installation, click on Continue Anyway.



The USB driver for the INLINE 5 Adapter has been 10 successfully installed.

The INLINE 5 adapter is now ready for use.

Click

Finish. to return to Windows.

Note: If there is more than one USB port on the PC, connect the Adapter to the other ports and repeat the procedure from step 7. This will configure other USB ports on the PC.



Recovering INLINE 5 Adapter

Use these steps to recover the INLINE 5 Adapter using the Reflash tool when the adapter is not responding. **Note:** This can only be performed using RS-232 Serial cable and connecting through the COM port on the PC.

1 The tool will try to recover the adapter and display the message to initiate the recovery process.

Inline 4	/5 Reflash Tool
2	The Adapter is not responding. Do you still want to Reflash the adapter ? If Yes, then please click Yes and wait for 2 sec, if reflashing doesn't start then immediately recycle the adapter power manually.
	<u>Yes</u> <u>N</u> o

- 2 Click **Yes** to start the recovery process or click **No** to stop.
- 3 After clicking **Yes**, if reflashing does not begin within 2 seconds, cycle the power to the adapter. **Note:** Timing is critical and the reflash attempt may fail if not performed exactly after 2 seconds.
- 4 The reflash will start and the Status bar will display progress as the adapter is being reflashed.
- 5 When reflash is complete, the previous firmware and the current version are displayed.

Test Driver

Test Driver in the INLINE 4-5 Reflash Tool utility can be used to verify that the USB driver has been properly installed.

- **1** With the INLINE 5 Adapter powered up, connect the USB cable to the USB port on the PC.
- 2 Click on Test Driver.
- 3 If Driver test SUCCESSFUL appears under Status, the USB driver has been properly installed.
- 4 If **Driver test failed!** appears under **Status**, please ensure the USB driver is installed and that the adapter is securely connected.