

### EST 9.12.0.0 New Features

The release of the Electronic Service Tool (EST) 9.12.0.0 and eTIM updates include several improvements to the service tool software. These changes include:

- Windows 10 support update
- Support for Utility tractors with “O” in PIN
- Engine Dataset search enabled when ECU Offline
- New IFM Vision Assistant Version Support (New Holland AG only)
- New Vehicle Support

Refer to the EST Version 9.12.0.0 Software guide in eTIM for more detailed descriptions and instructions regarding EST features.

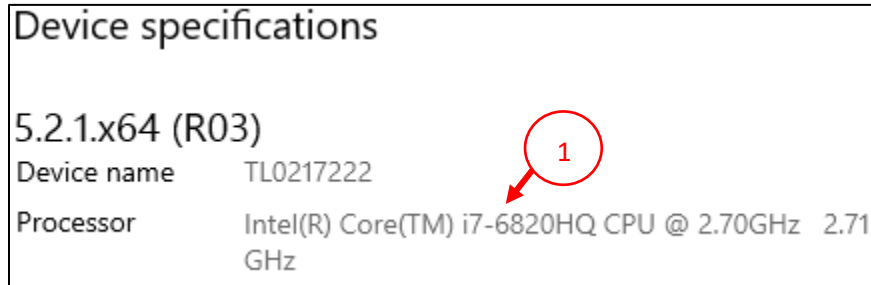
### EST PC Operating System (OS) and hardware requirements

All PC's running the EST and related software should at least meet the following minimum specifications:

	Minimum Specifications:
Processor:	Intel Core i5 6th gen Processor or higher (1) or AMD Ryzen 7 4 <sup>th</sup> generation Processor or higher (1)
RAM Memory:	8 GB or greater
Operating System:	Windows OS: Windows 10 64-bit or Windows 11 64-bit (2)
Hard Drive:	500 GB or greater - Solid State Drive (SSD) is recommended for improved performance
Display:	SXGA (1280x1024 or higher resolution) 65535 Color or better (Active or Dual Scan) <b>NOTE:</b> Be sure to verify that the display quality is acceptable in direct sunlight
Pointing Device:	Windows compatible mouse, touchpad device, or touch screen
Ports:	<ul style="list-style-type: none"> <li>• One 9 pin Serial port (preferred) OR USB to RS-232 Converter - FTDI Chipset</li> <li>380003514 – USB to RS232 adapter (3)</li> <li>• Two USB A ports or USB C port with converter</li> <li>• Ethernet port</li> <li>• Wi-Fi 802.11b / g</li> <li>• Bluetooth</li> <li>• Mobile Wireless - Recommended</li> </ul>
DVD / CD Drive:	Multi Format Dual-Layer DVD/CD ROM Unit (external DVD drive is acceptable)

(1) Processor generations are displayed as a number next to the processor model. This can be identified by using the System > About page. To access this page, click Start > Settings > System > About and scroll down to the Device Specifications section.

In the Processor line, identify the number after the processor model (1). For example: this PC is using a 6<sup>th</sup> generation i7 processor.



The 6<sup>th</sup> generation Intel i5 processor will have a 4-digit number that starts with 6.

The 4<sup>th</sup> generation AMD Ryzen 7 series processor will have a 4-digit number that starts with 5.

**NOTE:** ARM-based processors (example: Microsoft Snapdragon processors) are not supported for use with the EST.

(2) The EST software installation wizard will do a check of the PC to validate if it is a Windows 10 64-bit or Windows 11 64-bit operating system. If the PC does not have one of these Operating systems installed, a message will be displayed, and the installation will be stopped.

(3) If a PC does not have an RS232 port, a suitable USB to RS232 adapter is available through the Service Tools Marketplace under part number 380003514.

Microsoft Office can exist on the same PC as the EST software, but it is required to use the 32-bit version of the software. The 64-bit version of Microsoft office software can cause issues with the EST operation.

### **Windows 10 support update**

Microsoft will stop supporting the Windows 10 Operating System on October 14, 2025. When the support has ended, Windows 10 cannot be considered a safe platform for use online.

New PC orders for EST computers will need to have Windows 11 Operating System installed. PCs or laptops that are in use with Windows 10 installed should be upgraded to Windows 11 or replaced with a new PC that meets or exceeds the above specifications and has the Windows 11 operating system installed.

The EST9.12.0.0 software will work for Windows 10 PCs, but future versions of the EST software may not be compatible with Windows 10.

To help identify if your device is compatible with Windows 11, a checker tool has been released by Microsoft (<https://aka.ms/GetPCHealthCheckApp>) . Please download and use this application to identify if your PC will meet the necessary standards for the new operating system.

If your device cannot install Windows 11 or does not meet the minimum specifications outlined in this bulletin, it must be replaced to receive support from CNH. Issues reported on devices that do not meet these standards will be denied support through Technical Help Desk (THD).

### Support for Utility tractors with O in PIN

An approved PIN list has been added to EST to support a limited run of Utility tractors manufactured with an “O” in the PIN. The EST will only accept the letter “O” in a machine PIN if it was built as part of this limited number of machines.

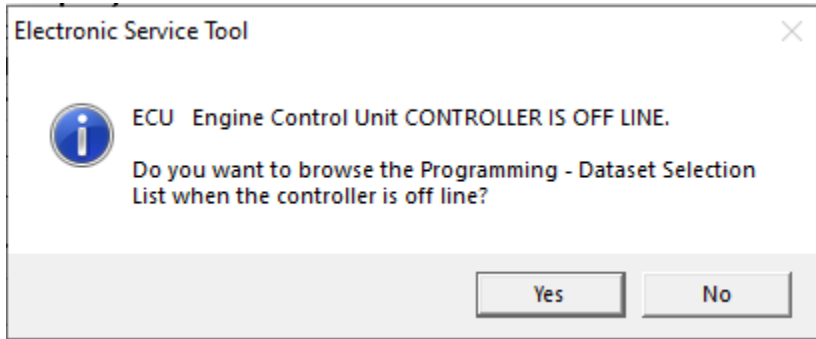
This change will allow for:

- 1) Proper model detection with EST Model Detection feature.
- 2) Link to eTIM manuals based on vehicle PIN.
- 3) Engine programming password generation and Speed Registration.

### Engine Dataset search enabled when ECU Offline

The Engine dataset selection and search features are available to use as a reference when the EST is not connected to a machine, or the ECU is offline.

The EST will prompt the user when the clicking the Browse button and ECU is not detected.



Click “No” to return to the Programming page.

Click “Yes” to open the Dataset Selection List window in Offline Browse mode.

All features of the Dataset Selection List window are available to search available datasets, including:

- 1) Text Search
- 2) Historical Dataset compatibility search
- 3) Dataset filter boxes

**NOTE:** Some engine controllers can support 250K and 500K baud CAN networks. The Show Datasets for all baud rates check box (4) will allow searching for datasets that may not be compatible with the CAN Network speed on the selected machine model.

PROGRAMMING DATASET SELECTION LIST (Off Line Browse Mode)

SEARCH:  HISTORICAL DATASET:

DATASET	DESCRIPTION	ENGINE TYPE
5802839809	Magnum 180 (Tier 4B)	F4HFE613K*B000
5802839810	Magnum 200 (Tier 4B)	F4HFE613J*B000
5802839811	Magnum 220 (Tier 4B)	F4HFE613H*B000
5802839812	Magnum 240 (Tier 4B)	F4HFE613B*B000
5802783965	Magnum 250 / T8.320 (Tier 2B)	F2CFA613G*E000
5803199389	Magnum 250 / T8.320 (Tier 4B)	F2CFE613G*B000
5802897090	Magnum 260 / T8.295 (Tier 3)	F2CFP614E*H000
5802783964	Magnum 280 / T8.350 (Tier 2B)	F2CFA613D*E000
5803025165	Magnum 280 / T8.350 (Tier 4B)	F2CFE614G*B000
5802897091	Magnum 290 / T8.325 (Tier 3)	F2CFP614D*H000
5802783963	Magnum 310 / T8.380 (Tier 2B)	F2CFA613B*E000
5803025164	Magnum 310 / T8.380 (Tier 4B)	F2CFE614D*B000
5802952185	Magnum 315 / T8.355 (Tier 3)	F2CFP614C*H000
5802952206	Magnum 340 / T8.385 (Tier 3)	F2CFP614B*H000
5802783962	Magnum 340 / T8.410 (Tier 2B)	F2CFA614D*E000
5803025163	Magnum 340 / T8.410 (Tier 4B)	F2CFE614C*B000
5802922673	Magnum 380 / T8.430 (Tier 3)	F2CFP613E*H000
5802783960	Magnum 380 / T8.435 (Tier 2B)	F2CFA614A*E000
5803025161	Magnum 380 / T8.435 (Tier 4B)	F2CFE614A*B000
5802853539	Magnum 400 / T8.435 (Tier 2B)	F2CFA614E*E000
5803025162	Magnum 400 / T8.435 (Tier 4B)	F2CFE614S*B000
5802952220	Magnum 400 / T8.440 (Tier 3)	F2CFE613A*H000
5803172271	Nitro 7310 / Guardian SP310F (Tier 2)	F4HFA613S*E000

☒ SHOW ALL DATASETS.  
☐ SHOW ALL DATASETS FOR THIS VEHICLE.  
☐ SHOW DATASETS FOR ALL BAUD RATES.

### New IFM Vision Assistant version support (New Holland Ag only)

The supported version of the IFM Camara Tool in EST 9.12.0.0 is 2.9.9.0. The installed version will need to be updated to use the IFM Vision Assistant tool with EST 9.12.0.0 installed.

This version is released in the Diagnostic Tool Manager (DTM) on the Other Updates tab > EST Additional Tools > IFM Vision Assistant menu. Download and install the software from the DTM.

**Wheel Loader ZF Transmission Calibration (New Holland Construction and Case Construction brands only)**

Transmission Calibration process has been added to the Configurations menu of the EST for full size wheel loaders with the ZF transmission.

585 – Wheel Loader (Models W110D, W130D, W150D, W170D, W190D, W230D, W270D, W300D) (Stage V – Touchscreen Display ZF) (P.I.N. FNHxxxxGNZHEX5196 and Above) *(New Holland Construction only)*

585 – Wheel Loader (Models 521G, 621G, 651G, 721G, 821G, 921G, 1021G, 1121G) (Stage V – Touchscreen Display ZF) (P.I.N. FNHxxxxGNZHEX5196 and Above) *(Case Construction Only)*

584 - Wheel Loader (Models 521G, 621G, 651G, 721G, 821G, 921G, 1021G, 1121G) (Tier 4B – Touchscreen Display ZF) (P.I.N. JEEN0xxxxx260001 and Above) (P.I.N. FNHxxxxGNZHEX5196 and Above) *(Case Construction Only)*

**New Equipment selections in EST**

Brand	Vehicle Id	Vehicle Name
Case IH Ag	545	Fast Riser Series Front Fold Trailing Planter Electrical Drive (45R, 48R, 55R, 61R)
Case IH Ag	580	Patriot 50 Series Sprayer (Models 2550, 3050, 3550, 4050) (LATAM)
Case IH Ag	603	B-Series Skid Steer Loaders and Compact Track Loaders (with LCD Multifunction Display) (Tier 4 Engine) (MY25)
Case IH Ag	604	Compact Dozer and Track Loader (Models DL550, TV620B) (Tier 4 Engine) (MY25)
Case IH Ag	605	B-Series Skid Steer Loaders and Compact Track Loaders (with LCD Multifunction Display) (Stage V) (MY25)
Case IH Ag	609	Soil Command 435 VT-Flex Vertical Tillage
Case IH Ag	622	Farmall C Series Tractor (Models 100c, 110c) (with Mechanical Transmission) (Tier 3) (MY25) (P.I.N. HCCZFA1xxxCFxxxxx)
Case IH Ag	623	Farmall C Series Tractor (Models 100c, 110c) (with HILO Transmission) (Tier 3) (MY25) (P.I.N. HCCZFA1xxxCFxxxxx)
Case IH Ag	632	Early Riser Series Planters (Models 2110, 2120, 2130, 2140, 2150, 2150S, 2160) (MY2026 and Above)
Case IH Ag	634	Axial-Flow 5160 / 6160 / 7160 Midrange Combines (Tier 3) (with Pro1200)
Case IH Ag	635	Axial-Flow 5160 / 6160 / 7160 Midrange Combines (Stage V / China IV) (with Pro1200)

New Holland Ag	580	Defensor Sprayer (Models 2500, 3000, 3500, 4000) (MY25)
New Holland Ag	603	300 Series Skid Steer Loaders and Compact Track Loaders (with LCD Multifunction Display) (Tier 4 Engine) (MY25)
New Holland Ag	604	Compact Track Loader (Model C362) (Tier 4 Engine) (MY25)
New Holland Ag	605	300 Series Skid Steer Loaders and Compact Track Loaders (with LCD Multifunction Display) (Stage V) (MY25)
New Holland Ag	609	Soil Command 435 VT-Flex Vertical Tillage
New Holland Ag	614	CX UCM Gen3 with PLM Intelligence Combine (Tier 3) (MY26)
New Holland Ag	615	CX UCM Gen3 with PLM Intelligence Combine (Stage V) (MY26)
New Holland Ag	622	T5 Series Tractor (Models T5.100, T5.110) (with Mechanical Transmission) (Tier 3) (MY25) (P.I.N. HCCZT51xxxCTxxxxx)
New Holland Ag	623	T5 Series Tractor (Models T5.100, T5.110) (with HILO Transmission) (Tier 3) (MY25) (P.I.N. HCCZT51xxxCTxxxxx)
New Holland Ag	642	Loader Backhoe (Models B95D, B110D) (Tier 4B Engine with SCR) (MY25)
Case CE	573	Wheel Loaders (Models 621F, 721F, 821F, 921F, 1021F, 1021F HD, 1121F with EC4 Transmission) (Tier 3 / Tier 2)
Case CE	603	B-Series Skid Steer Loaders and Compact Track Loaders (with LCD Multifunction Display) (Tier 4 Engine) (MY25)
Case CE	604	Compact Dozer and Track Loader (Models DL550, TV620B) (Tier 4 Engine) (MY25)
Case CE	605	B-Series Skid Steer Loaders and Compact Track Loaders (with LCD Multifunction Display) (Stage V) (MY25)
Case CE	641	Loader Backhoe (Models 580SV, 590SV, 695SV) (Stage V) (MY25)
Case CE	642	Loader Backhoe (Models 580SV, 695SV) (Tier 4B Engine with SCR) (MY25)
New Holland CE	603	300 Series Skid Steer Loaders and Compact Track Loaders (with LCD Multifunction Display) (Tier 4 Engine) (MY25)

New Holland CE	604	Compact Track Loader (Model C362) (Tier 4 Engine) (MY25)
New Holland CE	605	300 Series Skid Steer Loaders and Compact Track Loaders (with LCD Multifunction Display) (Stage V) (MY25)
New Holland CE	641	Loader Backhoe (Models B100D, B110D, B115D) (Stage V) (MY25)
New Holland CE	642	Loader Backhoe (Models B95D, B110D) (Tier 4B Engine with SCR) (MY25)