

EST 9.14.0.0 New Features

The release of the Electronic Service Tool (EST) 9.14.0.0 and eTIM updates include several improvements to the service tool software. These changes include:

- Windows 10 support update
- MD1 engine controller programming improvements
- Vehicle Status Report Improvements
- MD1 controllers - Urea Quality Sensor Concentration
- New Vehicles

Bug Fixes \ Minor changes

- Tool Not Installed Window - Trimble Button removed
- Wheel Loader Fault codes (Case CE)
- Loader Backhoe (Vehicle 414) duplicate parameters
- Vector Engine tool button
- Skidsteer Urea Quality Concentration (Vehicle 479 and 575)
- ISOBus Tractor Implement support (Vehicle 594)

Refer to the EST Version 9.14.0.0 Software guide in eTIM for more detailed descriptions and instructions regarding EST features.

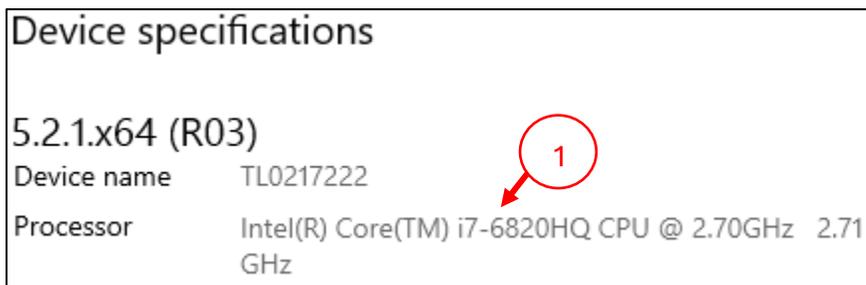
EST PC Operating System (OS) and hardware requirements

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 th generation Processor or higher (1)
RAM Memory:	8 GB or greater
Operating System:	Windows OS: Windows 10 64-bit or Windows 11 Pro 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) NOTE: 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"> • One 9 pin Serial port (preferred) OR USB to RS-232 Converter - FTDI Chipset) 380003514 – USB to RS232 adapter (3) • Two USB A ports or USB C port with converter • Ethernet port • Wi-Fi 802.11b / g • Bluetooth • Mobile Wireless - Recommended
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 6th generation i7 processor.



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

The 4th 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 has closed support for the Windows 10 Operating System security updates on October 14, 2025. 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 EST9.14.0.0 software will work for Windows 10 PCs, but future versions of the EST software may not be compatible with Windows 10.

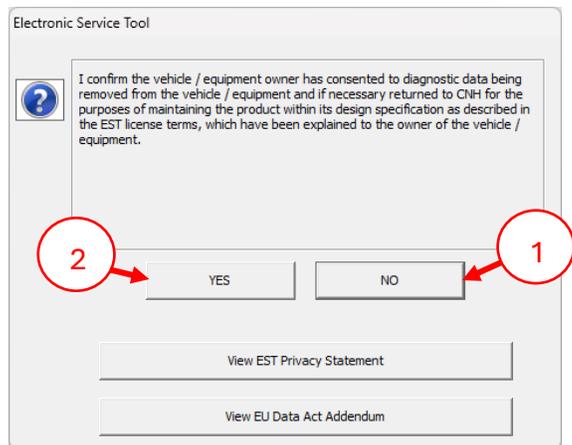
To help identify if your device is compatible with Windows 11, a checker tool has been released by Microsoft (<https://aka.ms/GetPCHealthCheckApp>). Please download and use this application to identify if your PC will meet the necessary standards for the new operating system.

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).

Vehicle Status Report Improvements

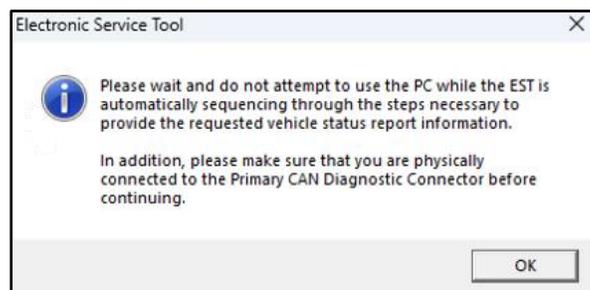
The vehicle report process has several improvements for reliable collection of vehicle data. The improvements include Data collection Logic changes, and the addition of the Controller Configuration encoded files.

When connecting the EST to a vehicle the user will still be shown the User Data Privacy Statement. This page asks for the consent to collect customer data.



- If the user clicks No (1), the EST will not collect user Flight Recorder information.
- If the user clicks Yes (2), the prompt “Do you want to save the enhanced vehicle status report?” will appear.
 - Click No to skip the Flight Recorder Information
 - Click Yes to collect the Flight Recorder Information

When a vehicle PIN is detected for the first time per day, the EST will collect the Vehicle Status Report. This process will take 2-5 min depending on the vehicle controllers and the Yes or No selection from the enhanced vehicle status report selection.



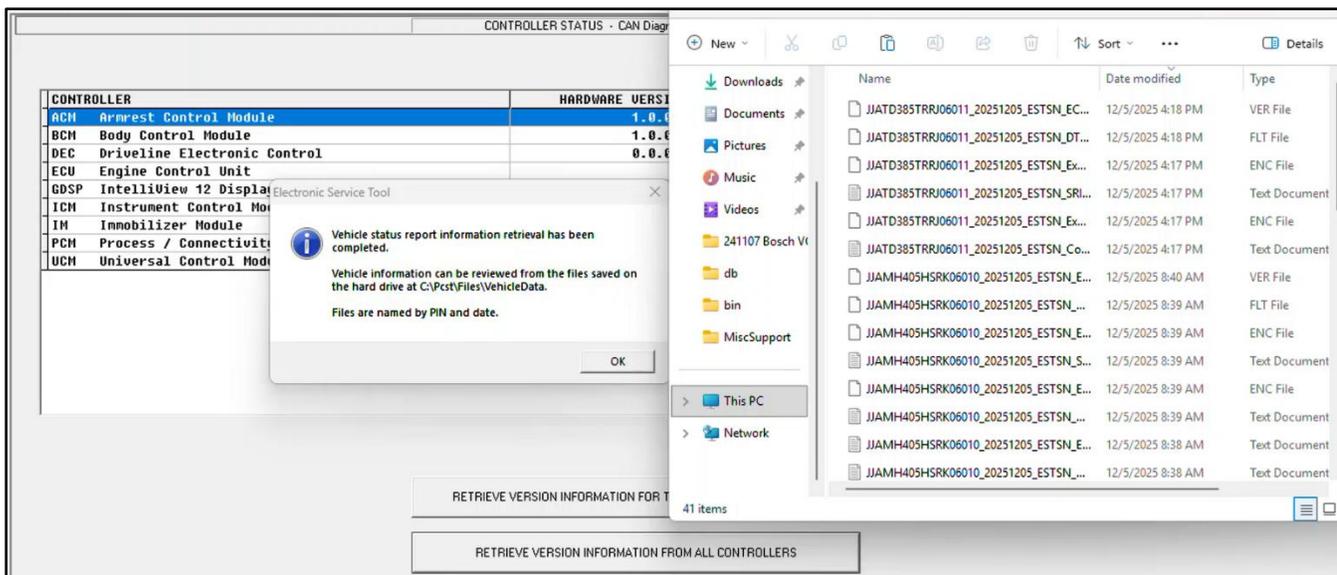
Connecting to the vehicle a second time will not trigger the status report to be run again.

This report will trigger the EST to collect the following files:

- .ver = Controller Status and Software versions
- .flt = Controller fault codes
- .txt = controller configurations
- .enc = controller configurations

These files are saved to the local EST PC in the C:\PCST\Files\VehicleData folder.

These files are the same as the reports that can be generated as the user by manually running the reports from the EST manually.



MD1 controllers - Urea Quality Sensor Concentration

FPT has implemented changes to their software that require release of new Monitoring Parameters for Urea Quality Concentration monitoring through EST for machines with PFT engines and the MD1CE101 and MD1CS069 engine controllers.

The new parameter name is: "Urea Quality Sensor Concentration".

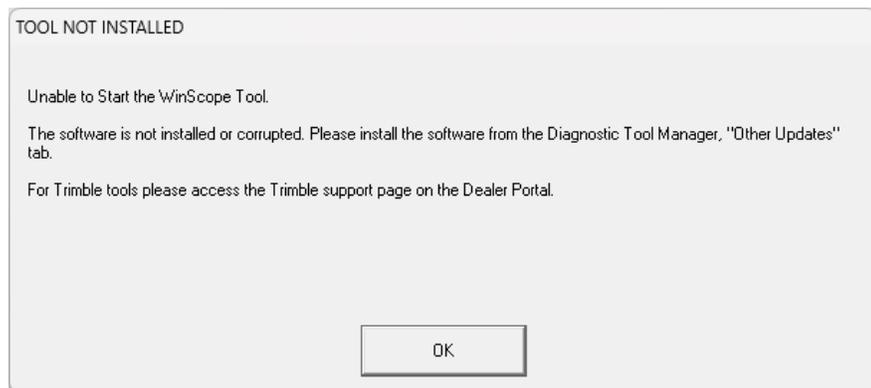
New Equipment selections in EST

Brand	Vehicle Id	Vehicle Name
Case IH Ag	583	Optum Series Tractors (Models 360, 390, 440) (P.I.N. xxxPTxxxXS2xxxxx)
Case IH Ag	660	Nutri-Till 1000 Strip Tillage
Case IH Ag	668	B-Series Skid steer Loaders and Compact Track Loaders (with Instrument Cluster) (Tier 4) (P.I.N. JAF0C327KSM466363 and above)
Case IH Ag	669	Value Auto Guidance
New Holland Ag	583	T7 XD Series Tractors (Models T7.360 XD, T7.390 XD, T7.440 XD) (P.I.N. xxxT7xxxXS1xxxxx)
New Holland Ag	660	Nutri-Till 1000 Tillage Equipment
New Holland Ag	668	300 Series Skid Steer Loaders and Compact Track Loaders (with Instrument Cluster) (Tier 4) (P.I.N. JAF0C327KSM466363 and above)
New Holland Ag	669	Value Auto Guidance
Steyr	583	CERVUS CVT Series Tractors (Models 6360, 6390, 6440) (P.I.N. xxxC6xxxXS3xxxxx)
Steyr	446	Expert S-Control 8 Series Tractor (Models 4110, 4120, 4130, 4140) (Stage V)
Steyr	669	Value Auto Guidance
Case CE	665	Loader Backhoe (Model 580N Series 2) (Brazil Production Only)
Case CE	668	B-Series Skid steer Loaders and Compact Track Loaders (with Instrument Cluster) (Tier 4) (P.I.N. JAF0C327KSM466363 and above)
New Holland CE	598	Loader Backhoe (Models 770NX, 770NX Magnum, 851NX) BS-V
New Holland CE	665	Loader Backhoe (Models B95C, B110C) (Brazil Production Only)
New Holland CE	668	300 Series Skid Steer Loaders and Compact Track Loaders (with Instrument Cluster) (Tier 4) (P.I.N. JAF0C327KSM466363 and above)

Bug Fixes \ Minor changes

Tool Not Installed Window - Trimble Button removed

The Trimble support web page on Dealer Portal has been closed, as CNH is no longer supporting Trimble devices. The “Go to the Trimble Support Page” button has been removed from the Popup window that opens when attempting to launch a tool that is not installed.



Wheel Loader Fault codes (Case CE)

Corrected missing fault code descriptions for G Series Wheel Loaders to match eTIM descriptions.

Fault definitions from eTIM:

523414-09 - Message EEC2 invalid or timeout

523310-00 - Transmission input torque too high

523400-09 - Vehicle CAN failure

523171.12 – CCO or Inch pedal signals miss match

523022-03 - EC4: Supply for oil filter restriction switch (AU1) overvoltage

523105-06 - Speed sensor input 2 (EF2) open or short to ground: Internal speed

523145-03 - Resistance sensor input 2 (ER2) open circuit or short to high source: Torque converter temperature

523155-06 - Current sensor input 2 (EI2) open circuit or short to ground: Oil Filter Restriction Switch

523110-06 - Speed sensor input 3 (EF3) open or short to ground: Output speed

Loader Backhoe (Vehicle 414) duplicate parameters

Under the Parameters Monitoring, duplicate parameters were under the same controller and same description but have different reference numbers. The duplicate parameters have been removed to reduce confusion.

Vector Engine tool button

The text for the button on the “EST Additional Tools” menu has been updated to "Start the Vector Engine Diagnostic Tool". This is to be consistent with other documentation.

ISOBus Tractor Implement support (Vehicle 594)

Adding the ISOBUS Tractor Implement Management Configuration item in the Configurations menu to the new Puma / T7 SWB CVT (594).

Engine Dataset Selection for EDC16C39

The error “This feature is not supported for this engine type” would appear when attempting to use the Engine Dataset Selection option for tractors with EDC16C39 controllers. This issue has been corrected, and the Engine Dataset Selection item will now operate properly.

Suspended Axle Parameter update

Updating the Parameter Monitoring for Vehicles 371 and 420 to provide additional items for monitoring.

CHANGE VIEW PARAMETERS

SEARCH: SOURCE: SFA FUNCTION: ALL REFERENCE: ALL CLEAR FILTER

PARAMETER LIST	SOURCE	FUNCTION	REFERENCE
Axle position sensor ...	SFA	Suspension	232
Front Axle Lower Limit Calibration Value ...	SFA	Suspension	235
Front Axle Upper Limit Calibration Value ...	SFA	Suspension	234
Front suspension option ...	SFA	Suspension	233
Lower lockout solenoid ...	SFA	Suspension	228
Lower lockout solenoid current ...	SFA	Suspension	231
Lower solenoid ...	SFA	Suspension	225
Raise solenoid ...	SFA	Suspension	226
Upper lockout solenoid ...	SFA	Suspension	227
Upper lockout solenoid current ...	SFA	Suspension	230

ADD

REMOVE

VIEW LIST	SOURCE	FUNCTION	REFERENCE
-----------	--------	----------	-----------

EXIT REMOVE ALL