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Coding Information

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Title: **Programming ECMs for Non-International Chassis: Workhorse, Detroit Series 40, Loose engines, and Specialty Equipment**

Applies To: **Workhorse, Detroit Series 40, motorhome, generator, Street Sweepers, Cranes, Fire Trucks, Generators, & Blower motors**

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

1/19/2026 - Added clarification on DLCGet Report
10/31/2025 - Updated title
09/30/2025 - Added programming instructions
07/09/2025 - Fixed broken link
06/24/2025 - Updated images to reflect current version of Windows

DESCRIPTION

This article is intended to provide information for how to program International Engines that have been sold to another company and installed in a chassis that does NOT have an International VIN Number. This may include Detroit Series 40 engines, Perkins, Street Sweepers, Cranes, Fire Trucks, Generators, Blower motors, and more.

***NavKal does not program these engine module types. Therefore, programming for these engine module types will only be supported for International dealers. This programming process no longer requires remote support.**

REPAIR STEP(S)

1. Connect your modules (ECM only, ECM/IDM, ECM/DCU...) and the computer to the programming station.

A. If you have an ECM that is already programmed, connect with ServiceMaxx 1708 or NED, and make a template to back up the parameters before connecting to the new module.

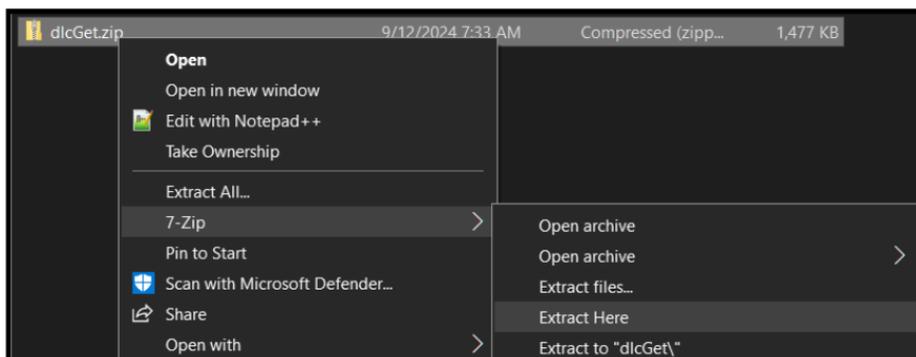
NOTE: You must be connected to the exact module you wish to program before running the DLC Get tool. This tool will pull required internal info from the connected module which International requires to create the programming file.

Any supplied programming file from international will only work on the exact physical ECM from which the DLC Get report was created.

2. Click [HERE](#) to download the dlcGet software

A. The downloaded file must be unzipped for it to work. EZTech PC's are preinstalled with 7-Zip. Unzip a file by right-clicking on the file and selecting **7-Zip > Extract here**

Or, reference [IK2600219](#) for further support on unzipping a file. Best practice is to extract the DLC Get and put it in its own folder on the desktop.





B. Once unzipped, please run the exe file (titled "dlcGet").

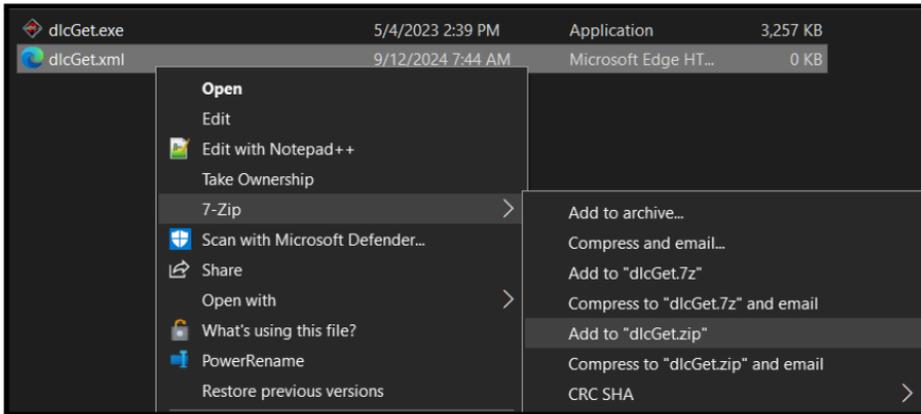
3. When the dclGet program opens, you will see this:



- A. Select your communication cable from the drop-down menu
- B. Check box for "Initialization"
- C. Click the "Start" button
- D. Follow all on-screen prompts

4. When the dlcGet is done running, it will produce an output file (in the same location that you ran the dlcGet file from - ie Desktop or Downloads). So, if you followed best practice and saved your DLC Get file to its own folder on the desktop, then you would find the output file in that same folder now.

- A. The output file will be in the form of a .xml file.
- B. Zip that output file and attach it to the case file you will create in step 5.



5. Start a case file (use one of two ways listed below). Be sure to provide the full 14 digit ESN, miles, hours, fuel (contact customer if values are needed), and the zipped output file from running the dlcGet - put that all in the case file.

- A. Open a case file following this document. [CMS Case open.pdf](#)
- B. Or start an EZ Tech support case from [IK2900030](#)

6. Based on the information you provided in the case, International will create a custom programming file, zip it, and attach it to your case. You can reference [IK2600219](#) for instructions on how to use this custom programming file to program the ECM, ECM/IDM, ECM/DCU....

Once you receive the programming file perform the following:

- 1. Open your case file, and download the attachment with the ESN listed through either the paperclip or files method.

Download via Paperclip

Case 00180960

Type: Approval

Vehicle Identification Number: [Redacted] Dealer Account: [Redacted] Dealer City-ID: [Redacted] Date Opened: 6/20/2025 Original Customer: [Redacted]

Progress: New (selected) Diagnostic / Repair Escalation Case Closed

Buttons: + Follow, Printable View, Mark Status as Complete

Communications: Details Files Approvals

Date	From	Description	Type	Acknowledge
06-27-2025 10:20:44 AM	Ryan K - Technical Support Analyst Sr (International Global)	Please see attachment	Dealer Action Required	<input checked="" type="checkbox"/>

Send a message/files to Tech Service here.

Click on the paperclip for file to download

Case 00180960

Type: Approval

Vehicle Identification Number: [Redacted] Dealer Account: [Redacted]

Progress: New Diagnostic / Repair

Buttons: + Follow, Printable View, Mark Status as Complete

Communications: Details Files Approvals

#	File	Date Created
1	Nexiq9602_EZInstaller.exe	2025-06-27 10:20:44 AM

Send a message/files to Tech Service here.

Click

Download via Files

Case 00180960

Type: Approval

Vehicle Identification Number: [Redacted] Dealer Account: [Redacted] Dealer City-ID: [Redacted] Date Opened: 6/20/2025 Original Customer: [Redacted]

Progress: New Diagnostic / Repair (selected) Escalation Case Closed

Buttons: + Follow, Printable View, Mark Status as Complete

Communications: Details Files Approvals

Date	From	Description	Type	Acknowledge
06-27-2025 10:20:44 AM	Ryan K - Technical Support Analyst Sr (International Global)	Please see attachment	Dealer Action Required	<input checked="" type="checkbox"/>

Send a message/files to Tech Service here.

Click Files tab to see all attachments in the case file

Case 00180960

Type: Approval

Vehicle Identification Number: [Redacted] Dealer Account: [Redacted]

Progress: New Diagnostic / Repair

Buttons: + Follow, Printable View, Mark Status as Complete

Communications: Details Files Approvals

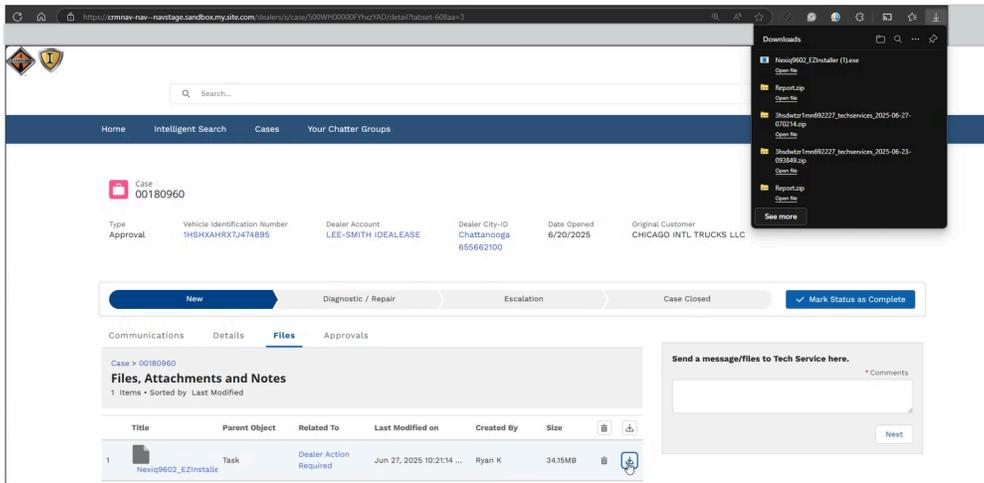
Files, Attachments and Notes

1 Items • Sorted by Last Modified

Title	Parent Object	Related To	Last Modified on
Nexiq9602_EZInstaller	Task	Dealer Action Required	Jun 27, 2025 10:21:14

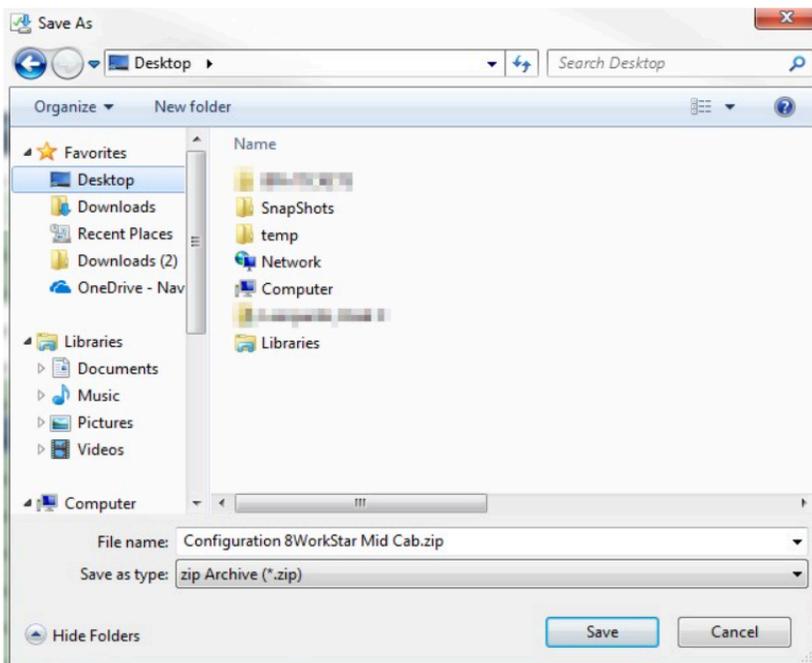
Click on the :

One of the two images will appear to show the downloaded file.



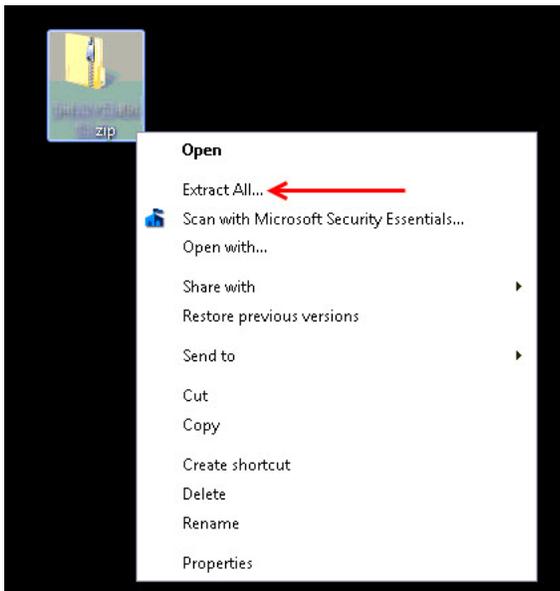
Do you want to open or save Configuration 8WorkStar Mid Cab.zip (488 bytes) fr

2. When prompted, save the file to the Desktop.



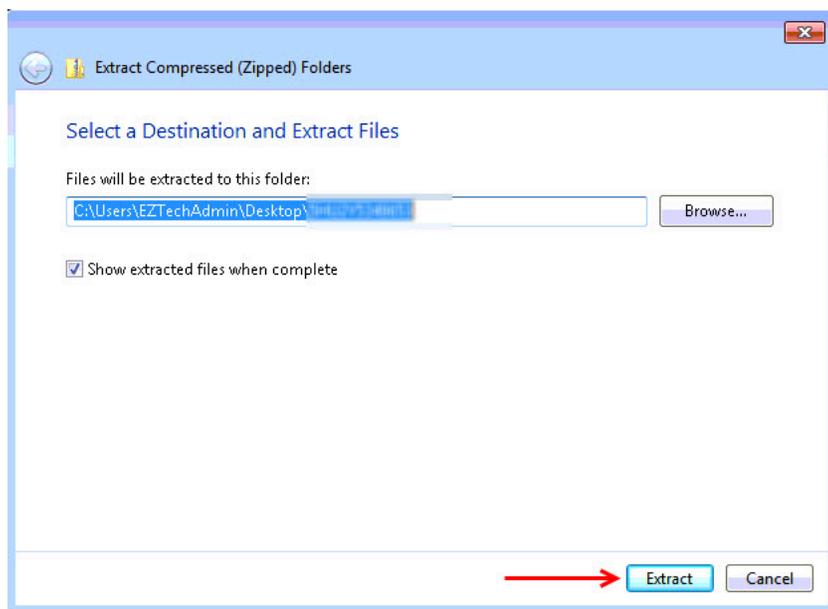
Save to Desktop

3. Right-click on the file from the desktop, and click Extract All...



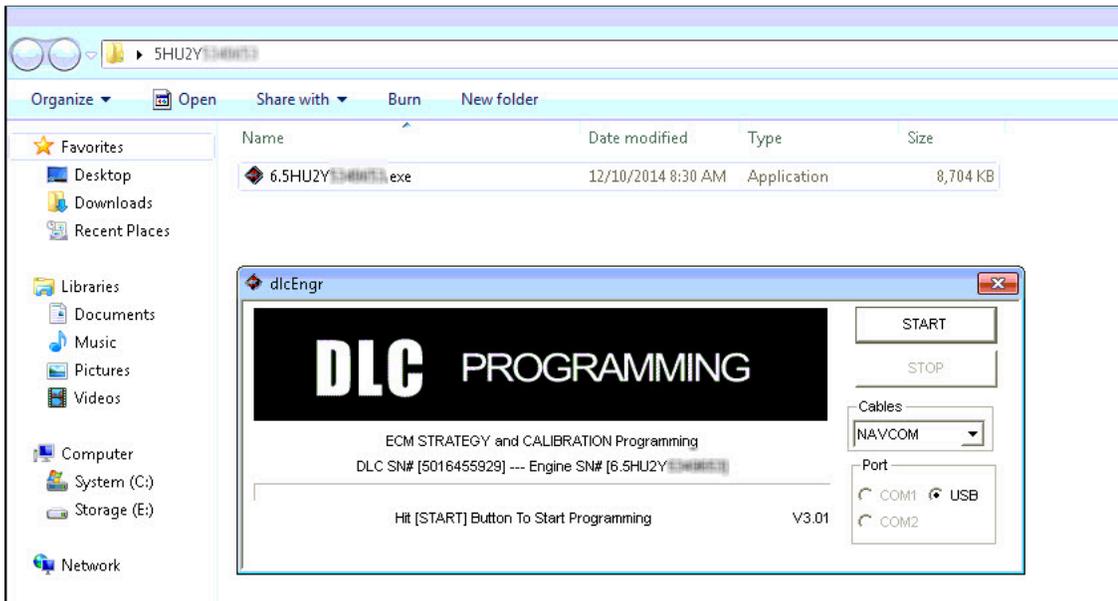
Extract All...

4. Click Extract when the Extraction Wizard comes up.



Extraction Wizard

5. Double-click the file listed in the folder.



Program with File

6. When the program opens, select your cable, and then click Start.

7. After programming is completed, connect to ServiceMaxx / NED apply ServiceMaxx / NED Template if one was created.

SPECIAL TOOL(s) / SOFTWARE

It is recommended to use the [International programming station](#) when programming engine modules for engines that are not installed in an International chassis.

SERVICE PARTS INFORMATION

Please make sure you are using the correct ECM part number. The resources below can help you to determine the correct ECM part number (or SID number) depending on the engine type you are working with.

- 3 box systems (1994-1997): [IK2600143 - Programming Issues Associated with 3-Box Modules \(internationaldelivers.com\)](#)
- Single box DLC1 (1998-2003): [IK2600091 - Error Code 623 - ECM Part Numbers for DLC1 Controllers \(Single Box or NAVPAK\) \(internationaldelivers.com\)](#)
- i6 & v8 2007-2014: [TR2600003 - ECM Identification - i6 Medium Duty SID \(internationaldelivers.com\)](#)

OTHER RESOURCES

- [Master Service Information Site](#)
- [RC2600001 - Vehicle Programming Resource Center](#)

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