

Tool Instruction ECM Programming Harness

4328445R1

Tool Number: 12-801-01-12



0000410403

Figure 1. ECM Programming Harness (12-801-01-12)

Purpose

The Engine Control Module (ECM) Programming Harness is used to reflash / reprogram the ECM.

Application(s)

International[®] A26

Additional Engine / Vehicle Applications May Apply

Application(s) (cont.)



! WARNING: To prevent property damage, personal injury, and / or death, read all safety instructions in the “Safety Information” section of the *Engine Service Manual* or *Engine Diagnostic Manual* .

! WARNING: To prevent property damage, personal injury, and / or death, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

! WARNING: To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

Tool Contents

Table 1

Image	Tool Number	Qty	Description
 A coiled black cable with a connector at one end and a plug at the other. <small>0000114603</small>	12-801-01-12	1	ECM Programming Harness
 A document icon with the NAVISTAR logo at the top and a wrench icon in the center. <small>0000160075</small>	4328445R1	1	Tool Instruction

Additional Tools Required

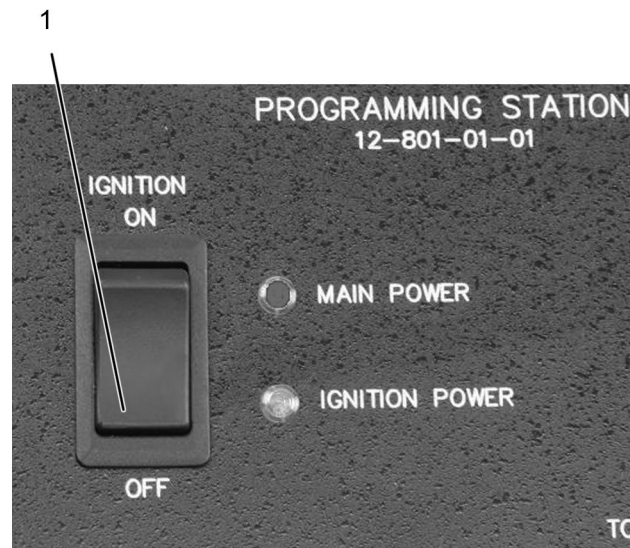
When using ECM Programming Harness (12-801-01-12), the following additional tools are required:

- EZ-Tech® with 500K-compatible Interface Device (use green adapter)
- Control Module Programming Station (12-801-01-01)
- NavKal™ Software

Instructions

Control Module Programming Station Setup

IMPORTANT: Please reference International® Service PortalSM regarding any possible revisions to this document.

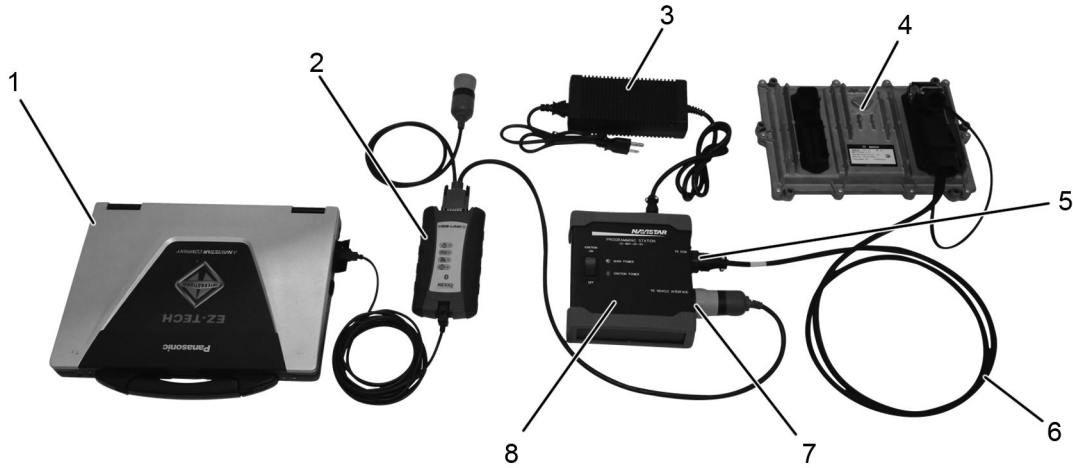


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Figure 2. Control Module Programming Station Ignition Switch

1. Ignition switch
1. Make sure ignition switch (Figure 2, Item 1) on Control Module Programming Station (12-801-01-01) is OFF.

Instructions (cont.)



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Figure 3. Control Module Programming Station Connections

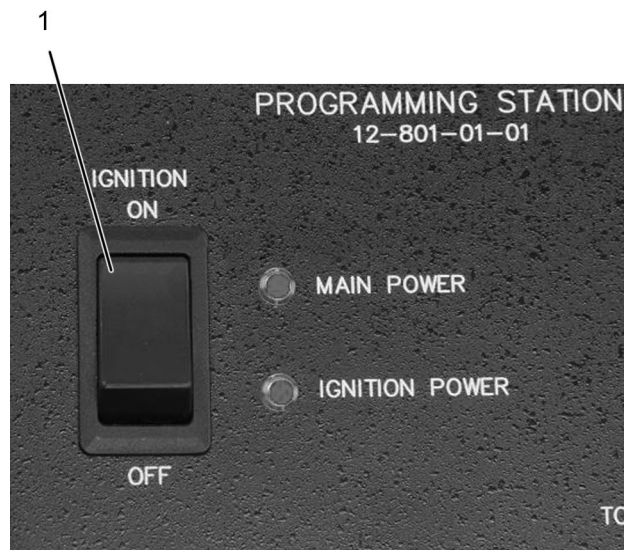
1. EZ-Tech®
2. 500K-compatible interface device
3. 12-volt Power Supply (12-801-01-08)
4. ECM
5. Control Module Programming Station ECM Port
6. ECM Programming Harness
7. Control Module Programming Station VEHICLE INTERFACE Port
8. Control Module Programming Station (12-801-01-01)

2. Connect Control Module Programming Station (Figure 3, Item 8) to power using 12-volt power supply (Figure 3, Item 3) to an AC power source.
3. Using ECM Programming Harness (Figure 3, Item 6), connect to Control Module Programming Station port labeled TO ECM (Figure 3, Item 5). Connect opposite end of harness to control module that requires programming (Figure 3, Item 4).

NOTE: Green adapter is needed for 500K compatibility.

4. Connect interface device (Figure 3, Item 2) to Control Module Programming Station port labeled TO VEHICLE INTERFACE (Figure 3, Item 7), and to device containing desired software (Figure 3, Item 1).

Instructions (cont.)



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Figure 4. Control Module Programming Station Ignition Switch

1. Ignition switch
5. Turn ignition switch on Control Module Programming Station to ON (Figure 4, Item 1).

Programming Module

After connecting Control Module Programming station to ECM, NavKal™ can be used to update module.

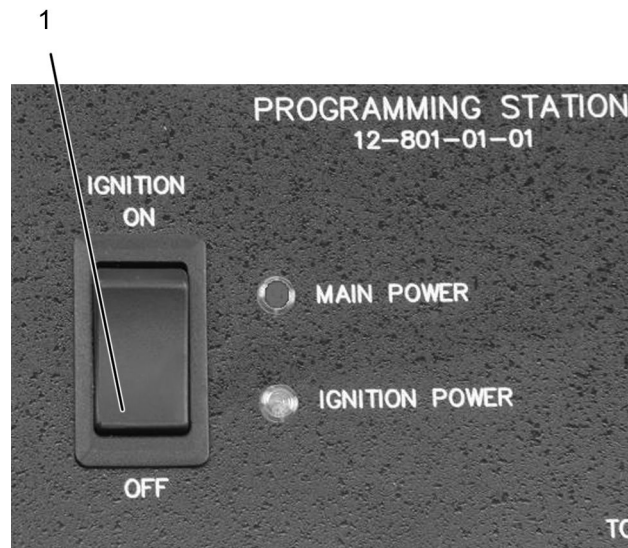
NOTE: The NavKal™ software should automatically connect to the vehicle without having the user select the protocol (unless the module is blank). Once connected, the main window will display information about the connected vehicle. If the software fails to connect (does not display information about the connected vehicle) or module is blank, refer to NavKal User Guide for detailed instructions.

NOTE: Make sure all equipment is connected.

6. Using NavKal™, program module. Refer to NavKal™ User Guide for detailed Instructions.

Instructions (cont.)

Disconnecting Control Module Programming Station

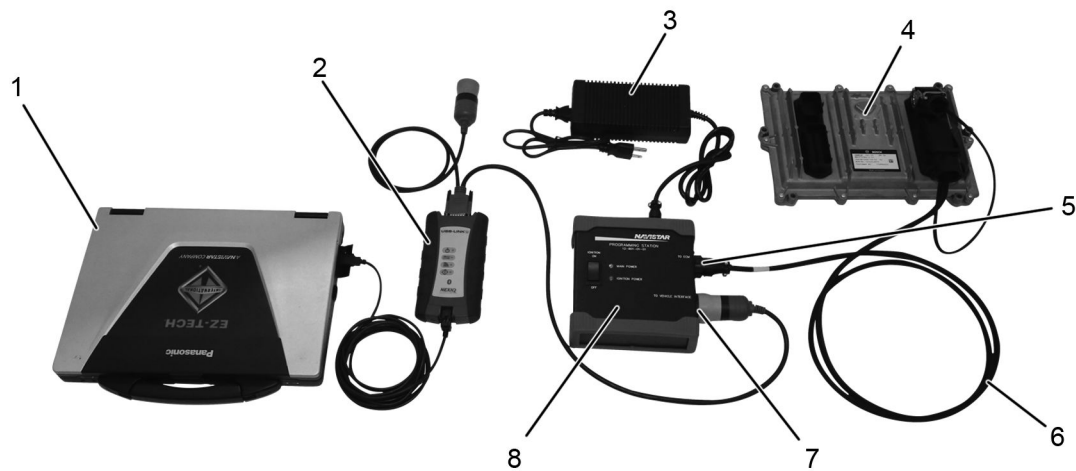


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Figure 5. Control Module Programming Station Ignition Switch

1. Ignition switch
7. Once programming is complete, turn ignition switch on Control Module Programming Station to OFF (Figure 5, Item 1).

Instructions (cont.)



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Figure 6. Control Module Programming Station Connections

1. EZ-Tech®
 2. Interface device
 3. 12-volt Power Supply (12-801-01-08)
 4. ECM
 5. Control Module Programming Station ECM Port
 6. ECM Programming Harness
 7. Control Module Programming Station VEHICLE INTERFACE Port
 8. Control Module Programming Station (12-801-01-01)
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8. Disconnect interface device (Figure 6, Item 2) from software device (Figure 6, Item 1).
 9. Disconnect interface device (Figure 6, Item 2) from Control Module Programming Station port labeled TO VEHICLE INTERFACE (Figure 6, Item 7). Store interface device for reuse.
 10. Disconnect ECM Programming Harness (Figure 6, Item 6) from control module (Figure 6, Item 4).
 11. Install ECM, if removed from vehicle (refer to appropriate service manual).
 12. Disconnect ECM Programming Harness (Figure 6, Item 6) from Control Module Programming Station port labeled TO ECM (Figure 6, Item 5). Store ECM Programming Harness (Figure 6, Item 6) for reuse.
 13. Disconnect Control Module Programming Station (Figure 6, Item 8) from power source (Figure 6, Item 3).

Contact Information

If you would like to order additional tools or need replacement parts, please refer to the Navistar Service Tool Catalog. If you have questions, concerns, or feedback, please contact Navistar Service Tool Support Center:

- Submit a Service Tool iKNow Case File.
- Phone: 800-365-0088 (toll free).