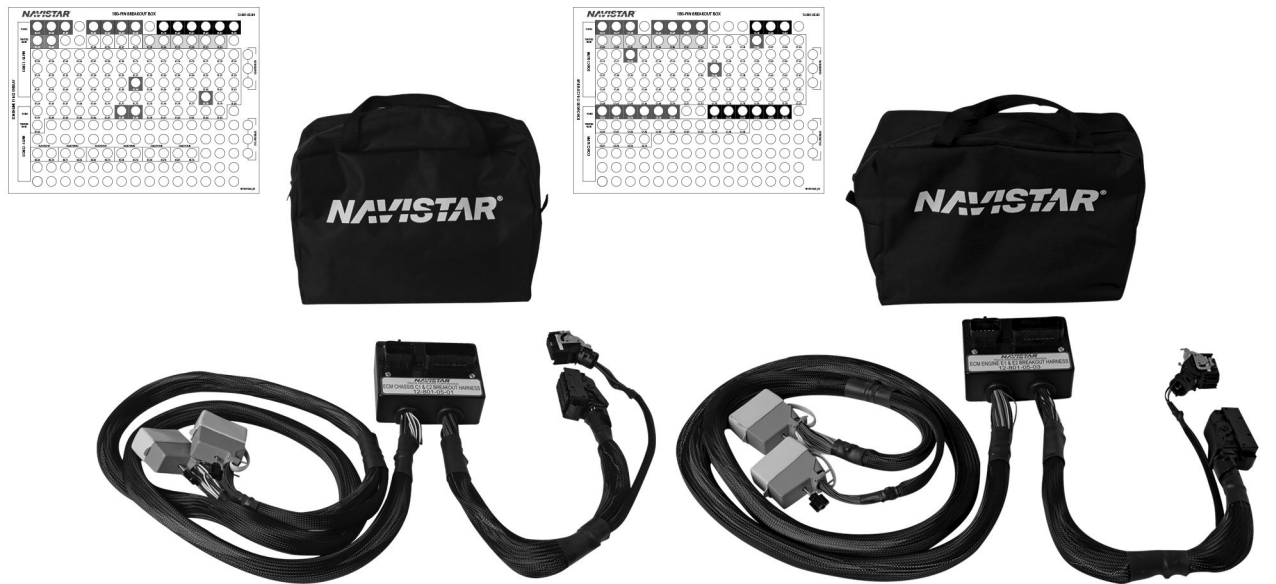


## Tool Instruction International® A26 ECM Breakout Harness

4328497R1

Tool Number: 12-801-05



0000415060

Figure 1. ECM Breakout Harness


### Purpose


Used for diagnostic purposes when testing voltage and amperage values within the vehicle's Electronic Control Module (ECM).


### Application(s)

International® A26

## Application(s) (cont.)


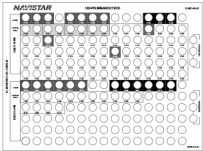

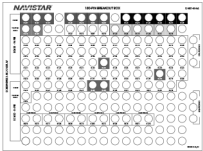

 **WARNING:** To prevent personal injury and / or death, read all safety instructions in the “Safety Information” section of the *Engine Service Manual* or *Engine Diagnostic Manual* .

 **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
 <p>0000414318</p>	12-801-05-01	1	Chassis Harness
 <p>0000415061</p>	12-801-05-02	1	Chassis 180-pin Overlay
 <p>0000414322</p>	12-801-05-03	1	Engine Harness
 <p>0000415062</p>	12-801-05-04	1	Engine 180-pin Overlay
 <p>0000160075</p>	4328497	1	Tool Instruction

### Additional Tools Required

When using the ECM Breakout Harness (12-801-05), the following additional tools are required:

- 180-pin Breakout Box (00-00956-08)

## Instructions

1. Park vehicle on flat surface.
2. Shift transmission to Park or Neutral and set parking brake.

**⚠ CAUTION:** To prevent property / component damage, make sure that the ignition switch is in the OFF position before disconnecting any electrical connectors.

3. Turn vehicle ignition to OFF position.
4. Install wheel chocks.
5. Unlatch and open hood.
6. Access vehicle Engine Control Module (ECM). Refer to appropriate service manual for detailed instructions.

## Chassis Testing

**⚠ CAUTION:** To prevent Property / component damage, when removing and installing the ECM connectors, use extreme caution as the lock levers are easily broken. Using one hand, lift the lock lever and use the other to insure the slide lock is free to move without interference from the wiring harness.



0000415063

**Figure 2. Chassis Connector Cable Ties**

1. Cable tie (2)
1. Remove cable ties (Figure 2, Item 1).

## Instructions (cont.)

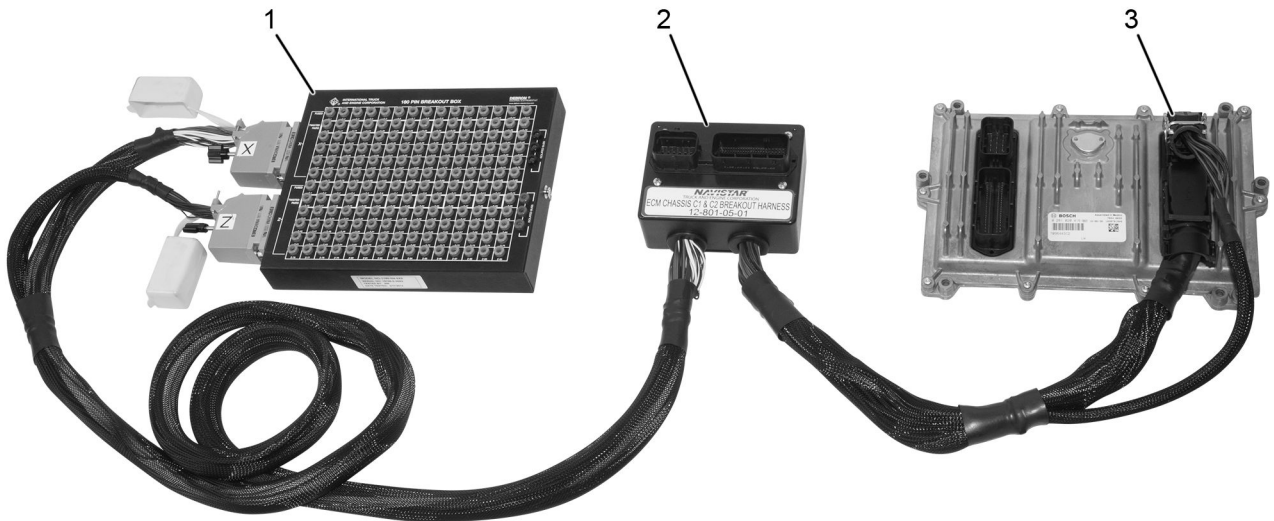


0000415065

**Figure 3. Chassis Connector**

1. Chassis ECM connector (2)
2. Disengage and disconnect chassis connectors (Figure 3, Item 1).

## Instructions (cont.)



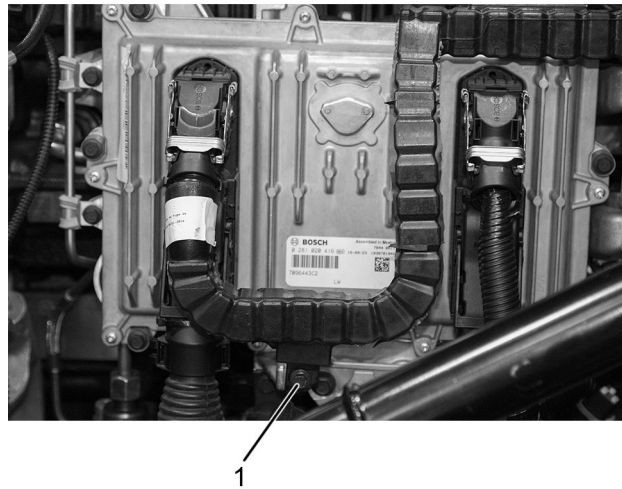
0000415058

**Figure 4. Chassis Harness Connection Reference**

1. 180-pin breakout box
  2. Breakout harness
  3. ECM chassis connector (2)
- 
3. Connect and engage 12-801-05-01 harness connector into ECM chassis connector location (Figure 4, Item 3).
  4. Connect and engage chassis ECM connector (Figure 3, Item 1) from vehicle harness to breakout harness (Figure 4, Item 2).
  5. Connect appropriate 12-801-05-01 Breakout Harness connectors to 180-pin breakout box 00-00956-08 (Figure 4, Item 1).
  6. Install overlay 12-801-05-02 on 180-pin breakout box 00-00956-08.
  7. Turn vehicle ignition to KEY ON, ENGINE OFF position.
  8. Perform desired test. Refer to appropriate service / diagnostic manual for detailed instructions.
  9. Once test is complete, turn vehicle ignition to OFF position.
  10. Remove breakout harness 12-801-05-01, reconnect and re-engage vehicle harness chassis connectors to ECM.

## Instructions (cont.)

### Engine Testing



0000415066

**Figure 5. Engine Connector Standoff**

1. Standoff

1. Remove harness standoff (Figure 5, Item 1).



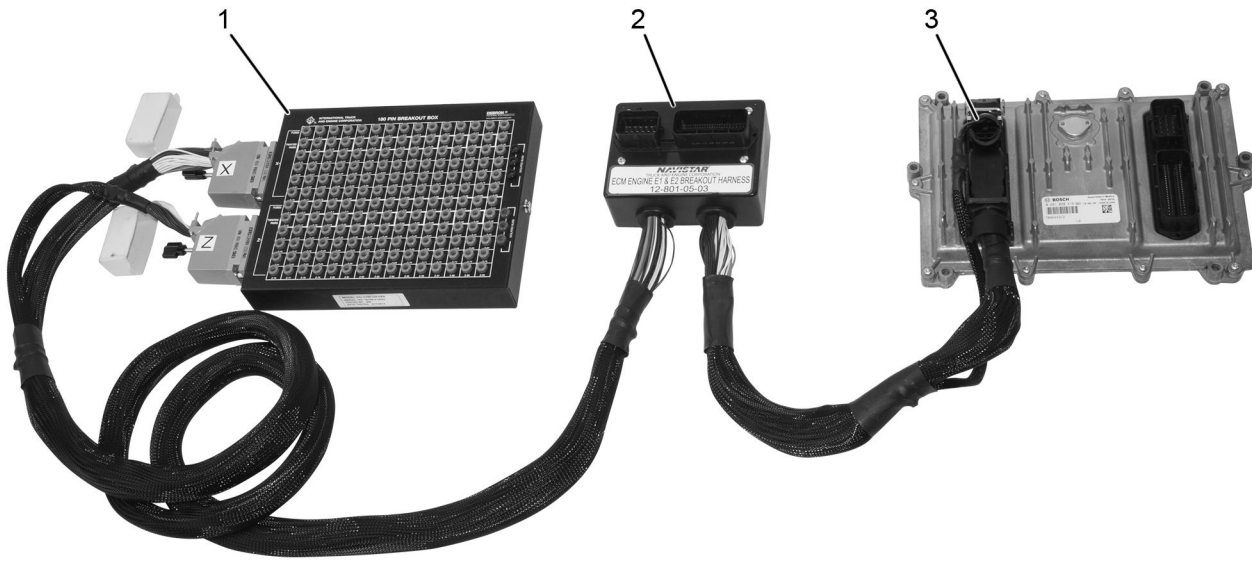
0000415064

**Figure 6. Engine Connector**

1. Engine ECM Connector (2)

2. Disconnect engine connectors (Figure 6, Item 1).

## Instructions (cont.)



0000415057

**Figure 7. Engine Harness Connection Reference**

1. 180-pin breakout box
  2. Breakout harness
  3. ECM engine connector (2)
3. Connect and engage 12-801-05-03 harness connector into ECM engine connector location (Figure 7, Item 3).
  4. Connect and engage engine ECM connectors (Figure 6, Item 1) from vehicle harness to breakout harness (Figure 7, Item 2).
  5. Connect appropriate 12-801-05-03 Breakout Harness connectors to 180-pin breakout box 00-00956-08(Figure 7, Item 1).
  6. Install overlay 12-801-05-04 on 180-pin breakout box 00-00956-08.
  7. Turn vehicle ignition to KEY ON, ENGINE OFF position.
  8. Perform desired test. Refer to appropriate service / diagnostic manual for detailed instructions.
  9. Once test is complete, turn vehicle ignition to OFF position.
- ⚠ CAUTION: To prevent property / component damage, when removing and installing the ECM connectors, use extreme caution as the lock levers are easily broken. Using one hand, lift the lock lever and use the other to ensure the slide lock is free to move without interference from the wiring harness.**
10. Disconnect breakout harnesses from vehicle.
  11. Reconnect vehicle ECM harnesses to appropriate locations.
  12. Install cable ties and / or standoff.
  13. Close and latch hood.
  14. Remove wheel chocks.



## 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).