

## Tool Instruction DLC Split Harness

4328546R1

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Tool Number: 12-999-14 / 12-999-15



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**Figure 1. 12-999-14 / 12-999-15 DLC Split Harness**

### **Purpose**

The Data Link Connector (DLC) Split Harness adds a separate diagnostic port for the OnCommand® Link module. This allows the vehicle's 9-pin connector to be made available for other diagnostic and service tools without having to remove the OnCommand Link module. Once installed, the harness can remain on the vehicle indefinitely.

### **Application(s)**

CE Bus Equipped with 250K or 500K Baud

Additional engine / vehicle applications may apply

## 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.



**! WARNING:** To prevent property damage, personal injury, and / or death, inspect tool for wear / damage prior to use. Replace any worn or damaged components as necessary.

**! WARNING:** To prevent property damage, personal injury, and / or death, ensure harness is secured away from any moving parts and away from any sharp part(s) / edge(s).

## Tool Contents

**NOTE:** This kit will ship with one of two harnesses, depending on vehicle baud rate.

Table 1

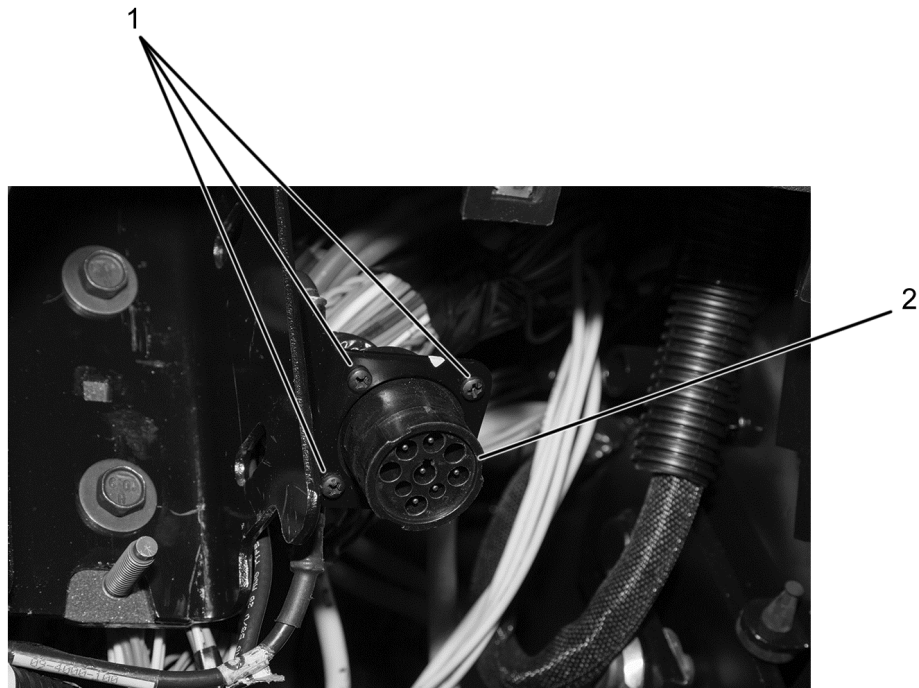
| Image   | Tool Number  | Qty | Description       |
|---|--|-----|-------------------|
|  <p>0000428249</p> | 12-999-14 (500K Equipped Vehicles)<br>or<br>12-999-15 (250K Equipped Vehicles) | 1   | DLC Split Harness |
| Not Shown   | N/A  | 2   | Zip Tie           |
|  <p>0000160075</p> | 4328546R1  | 1   | Tool Instruction  |

## Instructions

**NOTE:** Do not perform this procedure if locking ring is missing from OnCommand Link module or the diagnostic port is damaged or broken. First repair the broken components.

**NOTE:** If vehicle has a GREEN 500K DLC connector, use harness 12-999-14. If vehicle has a BLACK 250K DLC connector, use harness 12-999-15.

## Instructions (cont.)



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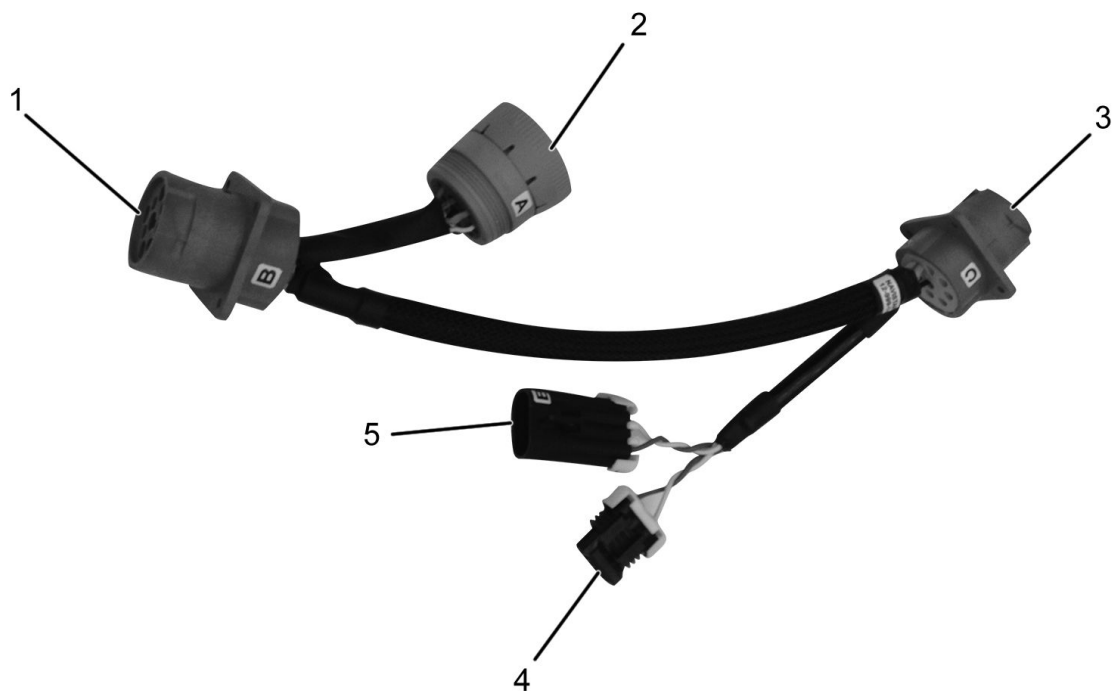
**Figure 2. Data Link Connector (DLC)**

1. DLC connector mounting screw  
(4) (1 not shown)
2. DLC connector

**NOTE: Save fasteners for reuse.**

1. Remove DLC connector mounting fasteners (Figure 2, Item 1).
2. Remove DLC connector (Figure 2, Item 2) from its mounting location.

## Instructions (cont.)

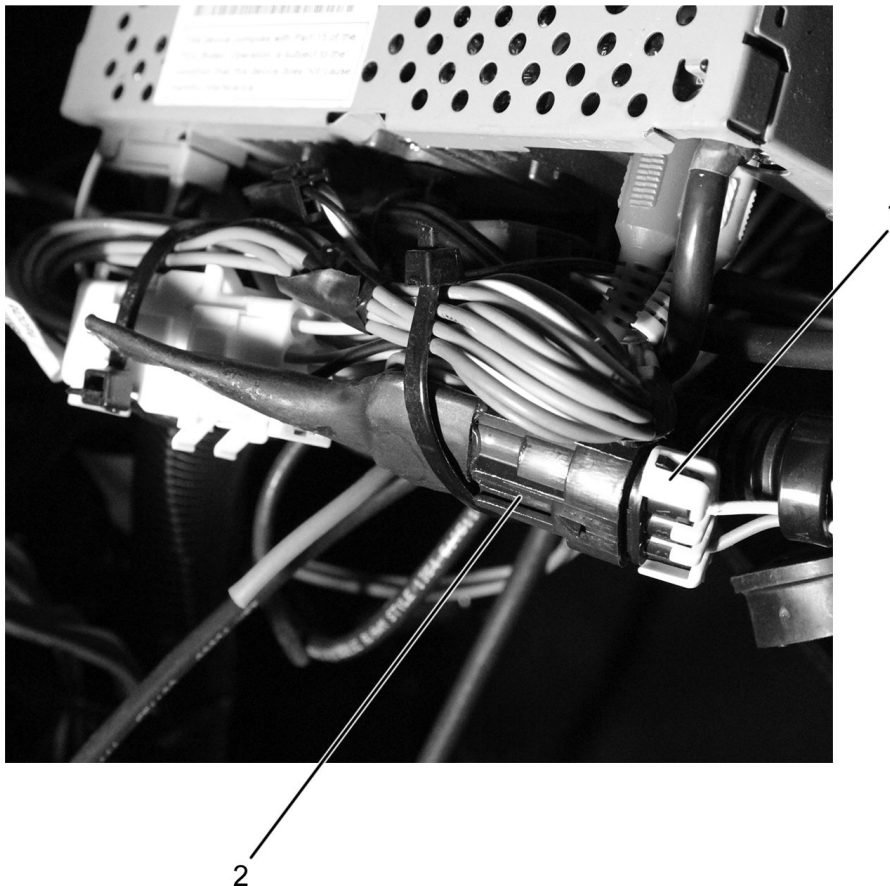


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**Figure 3. Harness DLC Connectors**

- |                                   |                              |                               |
|-----------------------------------|------------------------------|-------------------------------|
| 1. 9-pin female DLC (connector B) | 3. OnCommand Link connection | 4. 3-pin female (connector D) |
| 2. 9-pin male DLC (connector A)   | point (connector C)          | 5. 3-pin male (connector E)   |
3. Connect male DLC connector (Figure 3, Item 2) on harness to vehicle's existing DLC connector. Lock connector.

## Instructions (cont.)



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**Figure 4. Vehicle IP Harness Connector**

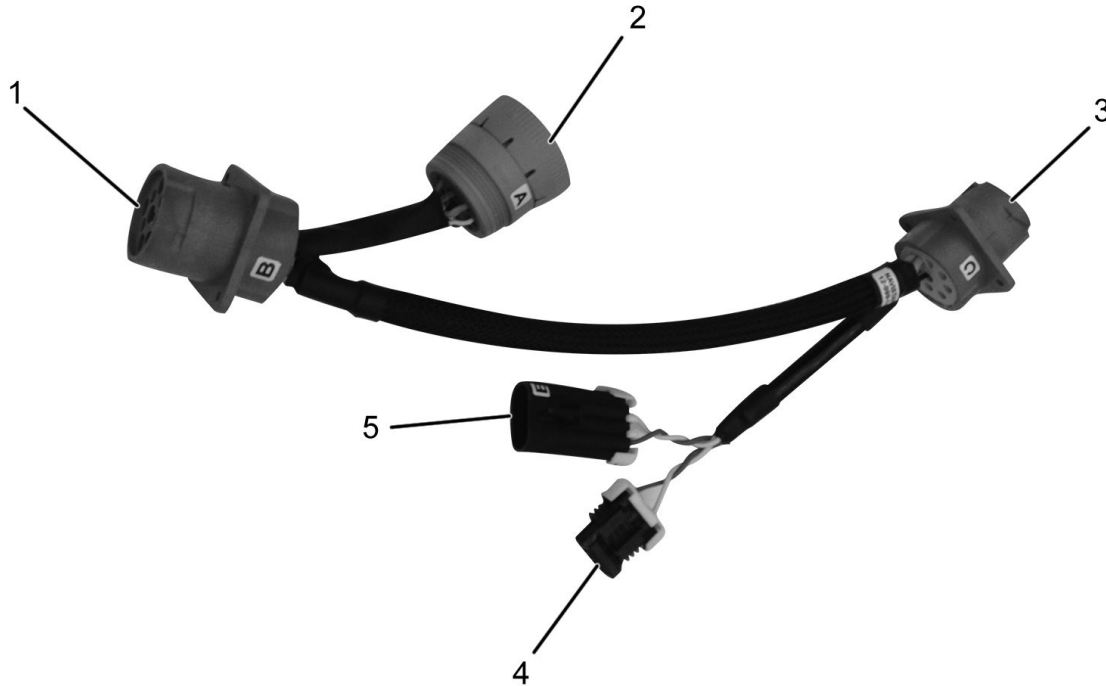
1. IP harness
2. Terminating resistor

**NOTE:** It may be necessary to remove zip ties to locate the correct connector.

**NOTE:** The two wires that connect to the terminating resistor will be **GREEN** and **YELLOW**. If they are not, you have not located the correct harness.

4. Locate and disconnect vehicle instrument panel (IP) harness connector (Figure 4, Item 1) from terminating resistor (Figure 4, Item 2).
5. Connect terminating resistor (Figure 4, Item 2) to 3-pin female connector D (Figure 3, Item 4).
6. Connect vehicle IP harness (Figure 4, Item 1) to 3-pin male connector E (Figure 3, Item 5).

## Instructions (cont.)



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**Figure 5. Harness DLC Connectors**

- |                                   |  |                               |
|-----------------------------------|--|-------------------------------|
| 1. 9-pin female DLC (connector B) | 3. OnCommand Link connection point (connector C) | 4. 3-pin female (connector D) |
| 2. 9-pin male DLC (connector A)   |  | 5. 3-pin male (connector E)   |

7. Connect OnCommand Link module to OnCommand Link connection point (Figure 5, Item 3). Turn collar of OnCommand Link module clockwise to lock in place.
8. Using previously-removed fasteners, install remaining harness connector (Figure 5, Item 1). Tighten fasteners securely.
9. Using appropriate electronic wireless device, verify power and operation of OnCommand Link. Refer to the OnCommand Link user guide for detailed instruction.

**⚠ WARNING: To prevent property damage, personal injury, and / or death, ensure harness is secured away from any moving parts and away from any sharp part(s) / edge(s).**

10. Using zip ties, secure OnCommand Link module and harness under instrument panel.

## **Care and Maintenance**

- Keep tools clean and free of contaminants
- Replace any damaged components

## **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).