

## Tool Instruction POWERLINK PROGRAMMING CABLE

4328348R1

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Tool Number: 12-716-01



000388343

**Figure 1. 12-716-01 Powerlink Programming Cable.**

### **Purpose**

Essential tool utilized to assist with programming the Engine Control Module (ECM). The programming cable bypasses the chassis harness by directly connecting into the vehicle's proprietary network.

### **Application(s)**

2015 PSI 8.8L Engine

## Application(s) (cont.)



**GOVERNMENT REGULATION:** Engine fluids (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluids and other contaminated materials (such as filters or rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.



**! 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

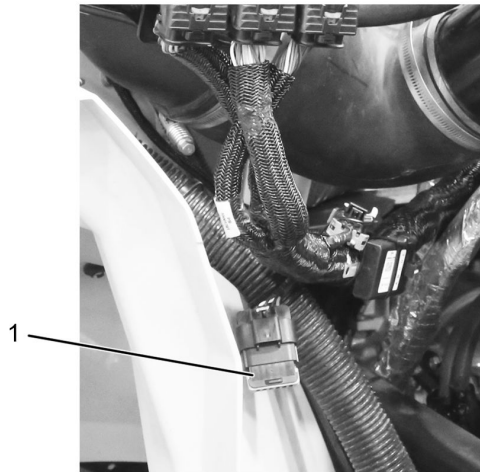
Table 1

Image	Tool Number	Qty	Description
 <p>0000388344</p>	12-716-01	1	Powerlink Programming Cable
 <p>0000160075</p>	4328348R1	1	Tool Instruction

## Instructions

1. Park vehicle on flat surface with wheels straight ahead.
2. Shift transmission to Park or Neutral and set parking brake.
3. Install wheel chocks.
4. Unlatch and open hood.

## Instructions (cont.)



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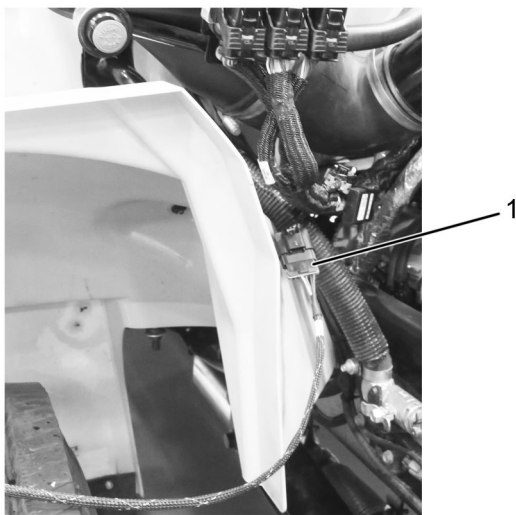
**Figure 2. Engine Harness – Proprietary Network Connector.**

1. Cap

**NOTE: Save protective cap for reuse.**

5. Locate the proprietary network connector located on the engine harness below the ECM. Remove the protective cap (Figure 2, Item 1).

## Instructions (cont.)

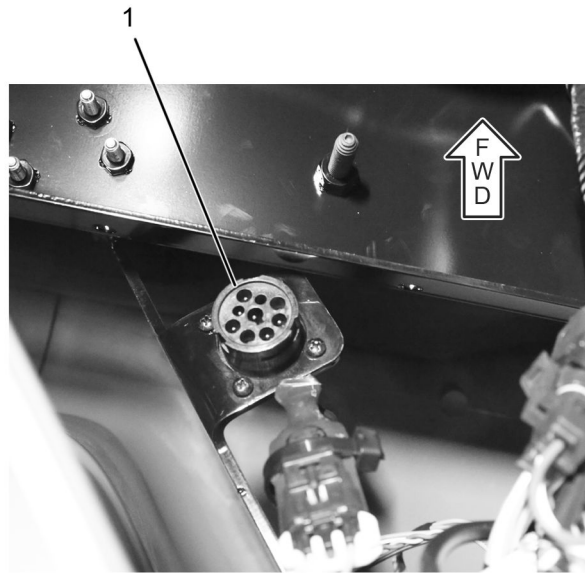


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**Figure 3. Powerlink Programming Cable – Under Hood.**

1. Connector
6. Using kit supplied harness, connect appropriate connector (Figure 3, Item 1) to the proprietary network harness.
7. Route remainder of the programming cable into vehicle interior.

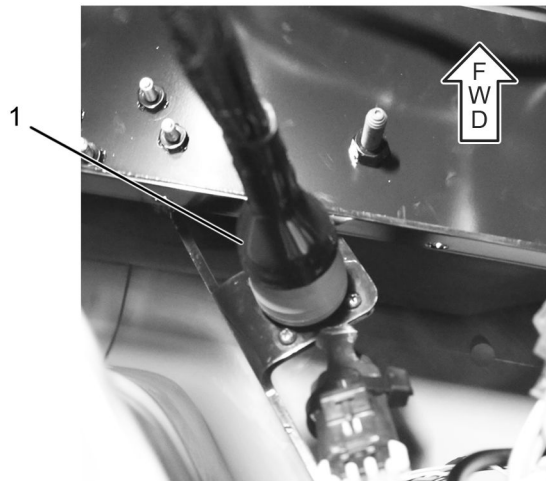
## Instructions (cont.)



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**Figure 4. Data Link Connector (DLC) – Under Dash.**

1. DLC
8. Locate the DLC (Figure 4, Item 1) under vehicle dash.

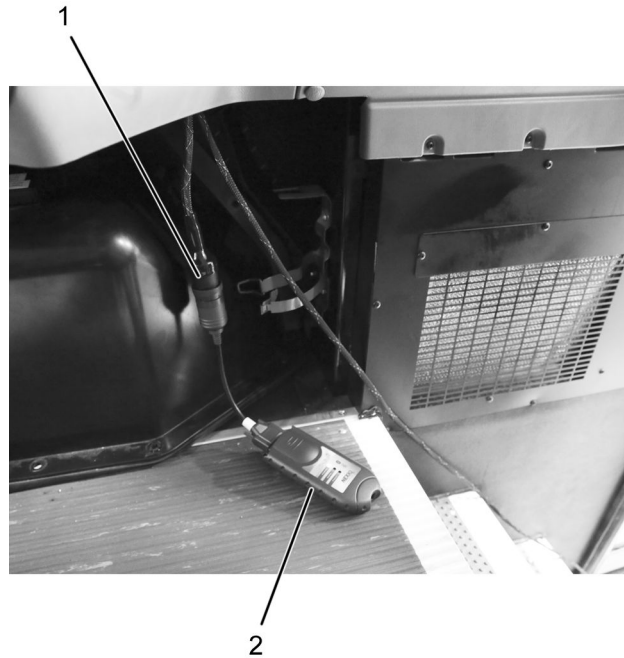


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**Figure 5. Powerlink Programming Cable – Under Dash.**

1. Connector
9. Connect the green 9-pin connector (Figure 5, Item 1) to the DLC.

## Instructions (cont.)



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**Figure 6. Powerlink Programming Cable – USB Interface.**

1. Connector
  2. USB interface
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10. Connect the black connector (Figure 6, Item 1) to the USB interface (Figure 6, Item 2) green 500k (min) baud connector.
  11. Connect to Powerlink software. Refer to appropriate service manual, service bulletin, or equivalent for detailed programming instruction.
  12. Following programming, disconnect programming cable from USB interface, DLC, and proprietary network connector.
  13. Install protective cap to proprietary network connector.
  14. Close and latch hood.
  15. 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).