

Constellation
Heritage
> 4700 Models
4800 Models

> 4900 Models
> 5700 Models
5900 Models
> 6900 Models

Description of Revisions: *This bulletin replaces the version dated December 2016. The reader is advised to access EZWiring through PartsPro or DTNA Connect.*

General Information

Daimler Trucks North America (DTNA) has changed the way wiring harnesses are assembled for vehicles built with EPA10 engines. Commodity harnesses are now built by one of DTNAs wiring vendors, and assembled using vehicle specification data. The harness data is then electronically sent to the vendor. This data includes information from several vehicle modules, along with pinout information for each of the connectors. The vendor then takes all of the vehicle specification data for the wiring, and breaks it into individual wiring harness bundles called "commodities." Only the frontwall, chassis, and engine are currently available in a commodity harness.

For example, on a 4900 with an EPA10 engine, the commodity harness may include wires and kits from all of the modules listed in [Table 1](#).

Module Listing Example	
Module	Number Module Description
152	ENG-PROT/ALARM/SHDN, WIRING, IND
156	STARTER CONTROL-MANUAL, DRIVER
160	DIAGNOSTICS
276	WIRING-FAN CTRLS, ENG/RADIATOR
283	WIRING-ENGINE CONTROLS/INDIC
286	WIRING-ENGINE
28F	WIRING-AFTER TREATMENT
35H	SWITCH/WIRING, BACKUP/REVERSE
70B	WIRING-HVAC, MAIN

Table 1, Module Listing Example

In PartsPro, the bill of materials (BOM) for each of the listed modules shows varying numbers of wires, and possibly a kit, which makes up only a portion of the commodity harness. For production, the harness vendor takes the information from the many modules that relate to each of the commodities and puts them together using a layout diagram. This diagram also has a drawing number listed in PartsPro, beginning with L06-. Prior to these commodity harnesses, an assembly harness was used.

The assembly harness included most of the wires for each commodity, along with a few overlays for optional features. The assembly harness was listed in one of the main modules and could be located and ordered using PartsPro. With the new commodity harness design, there is no longer one part number listed that includes the majority of wiring making up the main harnesses. Therefore, the parts and service technicians can only find and order the individual harnesses or kits listed in each of the modules. This makes it very difficult to know all of the possible modules to look in for each commodity. Even if all of the individual wires and kits could be found, there is currently no way to order them as a complete assembly through PartsPro and Paragon.

Ordering an Assembled Commodity Harness using EZWiring

1. Open the EZWiring application, either in PartsPro or AccessFreightliner. See [Fig. 1](#) and [Fig. 2](#).

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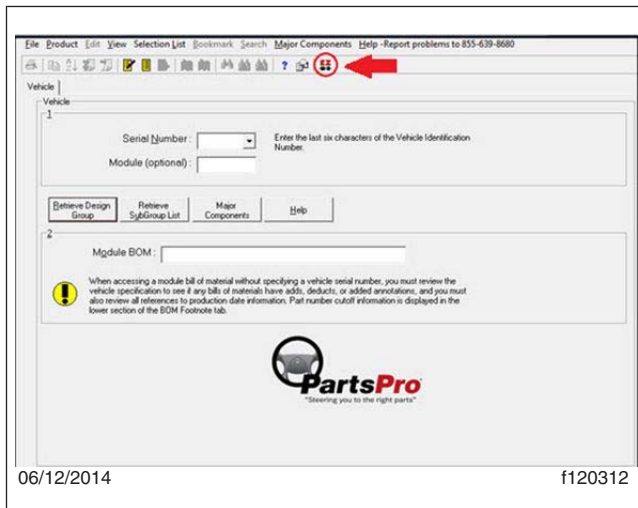


Fig. 1, EZWiring Application in PartsPro

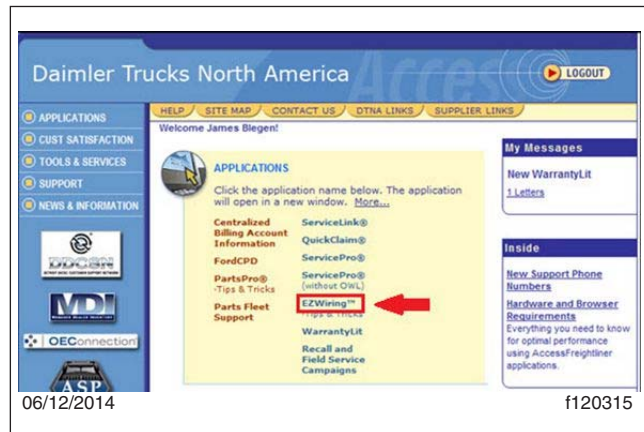


Fig. 2, EZWiring Application in AccessFreightliner

2. Enter the vehicle serial number.
3. Select "Commodity Harnesses" under the **System Options** dropdown menu, then press "View." See Fig. 3.

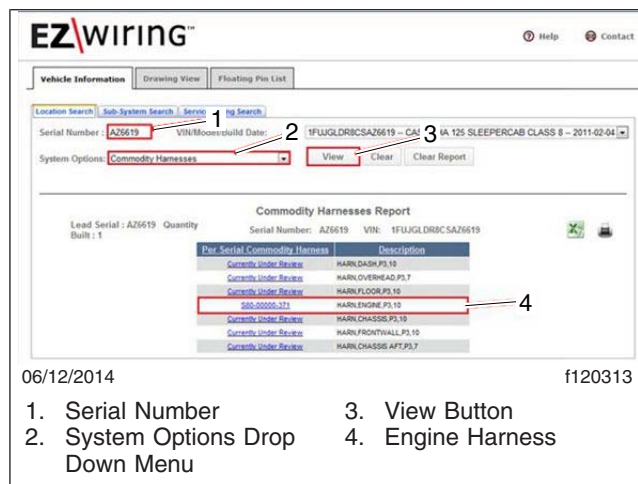


Fig. 3, EZWiring Vehicle Information Screen

4. Enter the part number (Sxx-xxxxx-xxx) exactly as it appears on the Commodity Harnesses Report. See Fig. 4. The part number can be ordered through Paragon

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Fig. 4, Commodity Harness Report

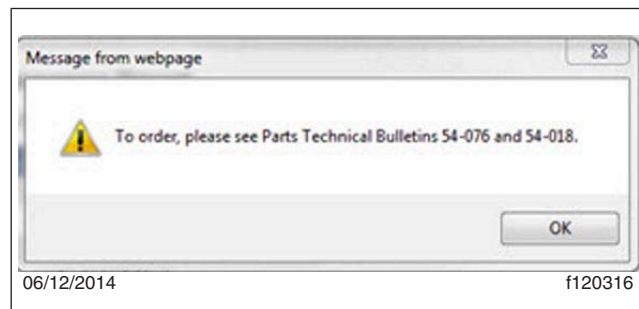


Fig. 5, Harness Under Review Dialog Box

IMPORTANT: Part numbers received from Customer Service with a format of FTL Sxx xxxxx xxx will be replaced by a new format Sxx-xxxxx-xxx. Currently, both part number formats are still in use. If a FTL Sxx xxxxx xxx part number is provided, it is the part number to order in Paragon unless it is superseded. **DO NOT** change the format of the FTL Sxx-xxxxx-xxx part number to match the Sxx-xxxxx-xxx format. These are not the same parts. For example, harness **FTL S80 12345 678** is not the same as **S80-12345-678**.

NOTE: A06-type harnesses can still be ordered through the Paragon system. Make sure to use EZWiring drawing viewer to verify the part. If a connector is drawn with dashed lines, it does not come with this assembly. The A06- drawings also give connector part number information. The L06- drawing, which road maps the various harness legs, can also be viewed in the EZWiring drawing viewer.

NOTE: If the vehicle is modified, it is recommended to add a global annotation in PartsPro per Parts Technical Bulletin 00-009.