

**Description of Revisions:** *This bulletin replaces the version dated March 2009. Harness ordering instructions are revised.*

## General Information

Beginning with model year 2007 engine wiring, Daimler Trucks North America (DTNA) changed the way wiring harnesses are assembled for manufacturing. A commodity harness is put together by one of DTNAs wiring vendors and it is built using vehicle specification data, which is electronically sent to the vendor. This data includes information from several of the vehicle modules, along with pin-out 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. Depending on the vehicle model, these commodity harness types can include engine, floor, overhead, chassis aft, chassis forward, dash, and front wall.

For example, a 2007 Acterra engine 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

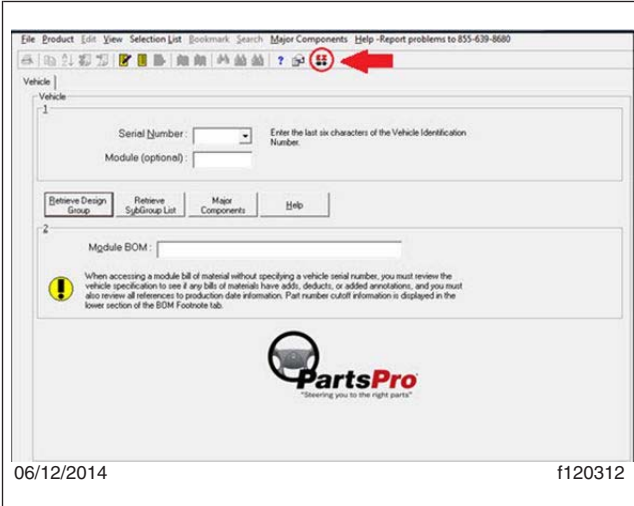
**Table 1, Module Listing Example**

In PartsPro®, the bill of materials (BOM ) for each of the listed modules list varying numbers of wires, and possibly a kit, which make 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, which is also a drawing number listed in PartsPro. The layout diagram begins with L06-. Prior to these commodity harnesses, an assembly harness was used.

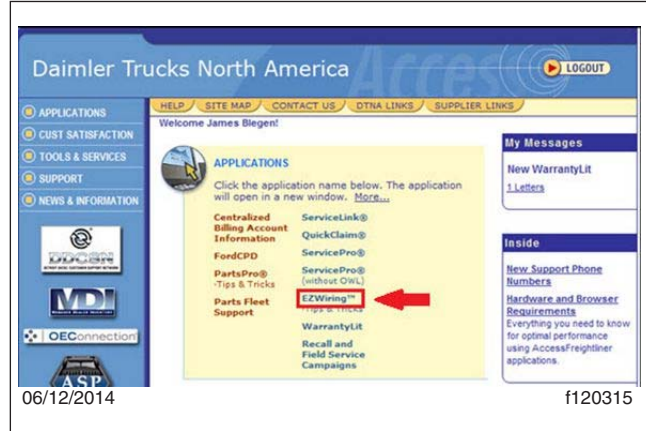
The assembly harness included most of the wires for each commodity, along with a few overlays for optional features. The assembly harness was listed in one of the main modules and could be located and ordered using PartsPro. With the new commodity harness design, there is no longer one part number listed that includes the majority of wiring making up the main harnesses. Therefore, the parts and service technicians can only find and order the individual wires listed in each of the modules. This makes it very difficult to know all of the possible modules to look in for each commodity, and 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](#).
2. Enter the vehicle serial number.

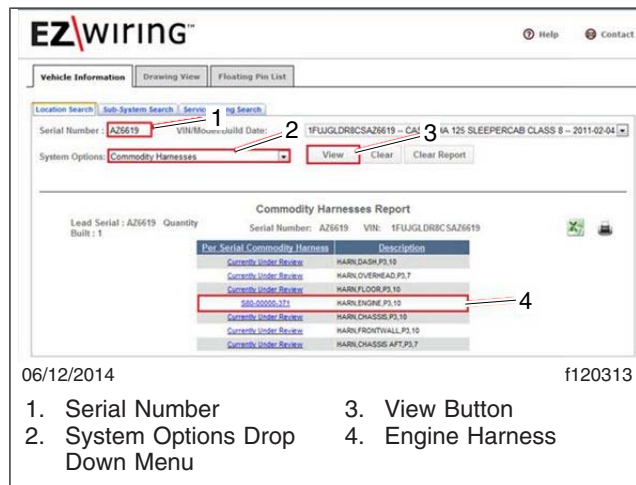


**Fig. 1, EZWiring Application in PartsPro**



**Fig. 2, EZWiring Application in AccessFreightliner**

3. Select "Commodity Harnesses" under the **System Options** dropdown menu, then press "View." See **Fig. 3**.



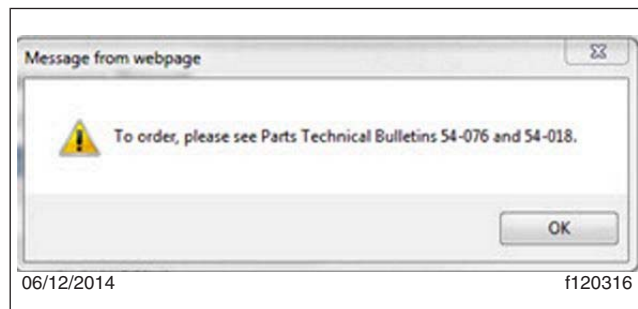
**Fig. 3, EZWiring Vehicle Information Screen**

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

**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**.



**Fig. 4, Commodity Harness Report**



**Fig. 5, Harness Under Review Dialog Box**

NOTE: If the harness needed is marked "Currently Under Review" ( Fig. 5) in EZWiring, follow the steps under "Ordering an Assembled Commodity Harness without Using EZWiring."

## Ordering an Assembled Commodity Harness without Using EZ Wiring

1. Determine which commodity is required. Find the module of the vehicle being worked on in [Table 2](#) to determine which commodities are available, then use PartsPro and look in these modules for an L06-number.

Available Commodities			
Commodity Name	L06-Module	Acterra	A/L-Line
Engine/Transmission	286	•	•
Engine Inside Cab	283		
Cab Floor	287		
Cab Overhead	287		
Dash	320		
Frontwall	321		
Chassis (all)	288		
Chassis Forward	288		
Chassis Aft	28A		
Chassis Aft	288	•	•

**Table 2, Available Commodities**

2. Write down the following information:
  - L06 number from PartsPro that you found for the commodity harness to be ordered
  - last six digits of the vehicle identification number (VIN)
  - dealer code
  - dealer purchase order (PO) number
  - order type
  - shipment method

- your first and last name
- your contact phone number

3. Then call 1-855-253-0422 and push "0" to go to voice mail. Slowly read off the information. To talk directly to a representative, hold on the line instead of pressing "0" to be placed in the queue.

**IMPORTANT:** Do not place an order in Paragon if ordering a complete commodity harness. Customer service will place a drop-ship order with the wiring supplier for the commodity harness. An order in paragon consists of several part numbers determined by engineering to make up the commodity harness. Although the order consists of several part numbers, the harness will be delivered as one assembly without its own part number.

4. To find the individual harness piece parts that make up a commodity harness, use the EZWiring harness report section to view most of the components that make up the commodity harness. Individual piece parts of the commodity harness can be ordered, however, to order a completely assembled commodity harness call the number and use the instructions listed above. Do not order all the individual harness parts listed in the EZWiring harness report if a complete commodity harness is needed.

**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.