

Wire Harness Drawing Specifications

1. SCOPE

1.1 This specification covers the components and construction of multiple cable assemblies used in low tension DC electrical circuits. Multiple cable assemblies will be designated as "wire harness". General guidelines are included in this standard. This standard is not to be used in applications involving AC volts.

1.2 A harness will be shown as a fabrication type drawing. The harness body will be depicted by two solid parallel lines. Loom or braid which insulates lead wires may also be labeled and shown as two solid parallel lines. The wires will be depicted as a single dashed line.

See the symbol and example sections for further explanation.

2. REQUIREMENTS

2.1 Terminals

Terminal part numbers shall be placed on the reference chart list. If the connector is not a part of the New Holland system the first three supplier letters will be placed in front of the part number. A complete name key of the three supplier letters must be in the reference chart.

2.2 Connectors

All connectors must be shown as a face view and a side view. The face view will include position numbers or letters, male pin symbols, and female socket symbols. Connector part numbers, first

three supplier letters, terminal location, and wire numbers must also be placed next to the connector (see Figure 1).

2.3 Scale

Wire harnesses will not be drawn to scale, but the components will be drawn generally proportionate in size to each other.

2.4 Measurements

Black dots will be used as a reference on a harness drawings. Black dots will also be used to represent breakout points on harness drawings. Dashed lines will be used to connect reference dots. All length dimensions will be placed on the harness body. The length between dots will be placed on the dashed lines in millimeters. The dashed lines will run from dot to dot or dot to connector at mating end of terminals.

2.5 Wire numbers

Wire numbers will be listed on the drawing. Each list of wires will be made next to each connector. The list will identify position numbers or letters with wire numbers. Wire identification assignment will be shown in the reference chart, but the drawing will show location at each connector.

2.6 Notations

Notes will be placed in the notation section of each drawing. The notation section must appear on the same sheet of paper as the drawing.

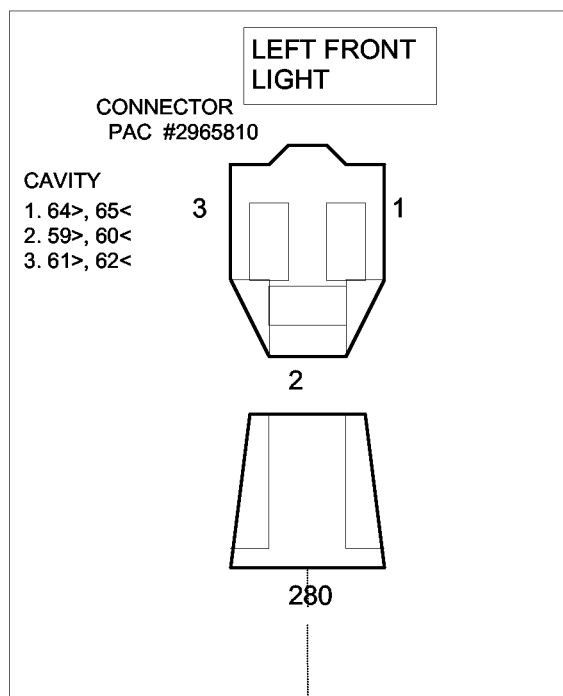
					NAME	STD WIRE HARNESS			
					 NEW HOLLAND			ENGINEERING SPECIFICATION	
ALL	C	TD	121458	30APR03					
ALL	B	RLF	110244	JUL 97					
REL	A	KG	108573	961209					
					THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND N. V. AND/OR ITS SUBSIDIARIES. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.			FRAME	OF
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3. CODES AND SYMBOLS

3.1 Reference Chart

The chart may be placed on paper separate from the drawing. The chart will be used to reference part numbers and notations. Details will be noted on the drawing by a hexagon with a number in it. The hexagon will be explained in the notation section. The reference chart will be separated into left terminals, right terminals, and general listings.

Figure 1



The general listings will include the following:

wire harness code	circuit number
terminal size	group color
gauge size	function
terminal number	splice location
supplier	length

The left and right terminals will include the following:

male pins	female sockets
supplier	pin size
terminal number	
connect with—ctw	
extra wire protection	

3.2 Wire Harness Codes

Below are a list of wire harness codes:

CM — Cab Main
CO — Console
CR — Cab Roof
EN — Engine
FE — Feeder
HE — Header

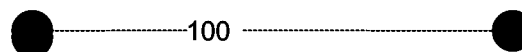
Other codes may be used and must be defined on the drawing.

3.3 Symbols

An indication for left and right wire ends are made with carets.

> — indicates right
< — indicates left

A black dot is used as a reference point to indicate distance. The black dot will also indicate wire break out. The distance is labeled between reference points along dashed lines. The distance is measured in millimeters.



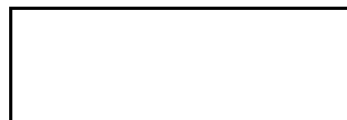
A female pin will be represented by the following symbols.



A male pin will be represented by the following symbols.



A rectangle box may label location or function of a connector as labeled in Figure 1.



Convuluted tubing is indicated by a series of alternately connected diagonal wires.



	NAME			PART NUMBER	
	STD WIRE HARNESS			86537992	
ENGINEERING SPECIFICATION			REV. C	FRAME 2	OF 3