



# DNWH

N Scale

Use with DCC decoders equipped with Digitrax 8 pin socket

Convenient 5 Pack Digitrax Easy Connect 8 Pin Harness

## Features

- Easy to connect decoder with Digitrax 8 pin connector and wire harness
- Makes it easy share decoders among several locomotives
- Works with any DCC system
- 3 function outputs rated at decoder capability
- Dummy plugs (DNDP) for analog operation sold separately in 5 packs

## Parts List

5 DNWH Harnesses	1 Instruction Manual
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## Installation Instructions

The DNWH harness is part of the Digitrax Easy Connect system--a Digitrax 8-pin plug on one end for connecting into the decoder's 8-pin socket and wires on the other end to solder to the locomotive.

Using this arrangement it's easy to unplug the decoder from the locomotive. This is useful if you have many locomotives to equip and a limited budget. It also makes it easy to unplug a decoder and try a different one if you suspect a problem with a decoder.

1. Simply solder the wires into the locomotive following the wiring diagram in **Figure 1**. See the Digitrax Decoder Manual for additional information.
2. Plug the 8-pin plug into the 8-pin socket on the decoder. The plug is notched to fit easily into the socket in only one orientation.
3. Once the harness is installed, you can run your loco on DC with the decoder removed, just install a DNDP dummy plug into the wire harness plug. (DNDP sold separately.)
4. The harness supports F0F (White) and F0R (Yellow). The harness has one additional function lead F1 (Green). See **Figure 1** on the back of this instruction card for wiring information.

**Digitrax manuals and instructions are updated periodically. Please visit [www.digitrax.com](http://www.digitrax.com) for the latest version.**



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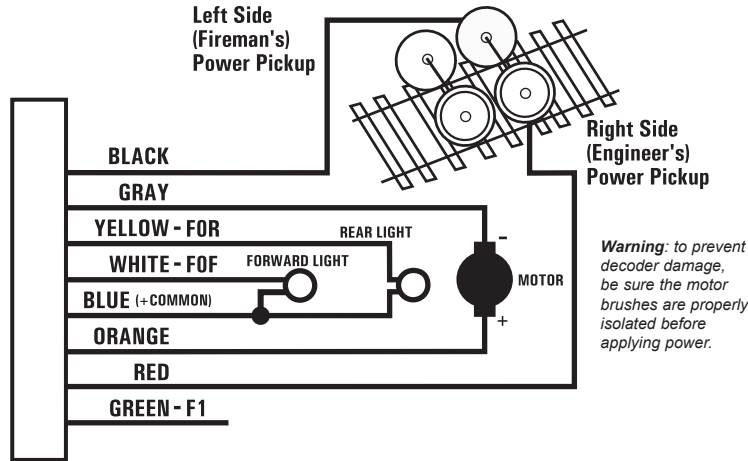
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Figure 1. DNWH Wiring Diagram.



Installation Notes:

1. Do not exceed the decoder's total function output rating.
2. We recommend that the Blue wire, also called +Common or Lamp Common, be connected as shown (automatically done with DCC medium plug). If you wish to omit the Blue wire in your installation, consult the Digitrax Decoder Manual for more information.
3. The head lamp should be hooked up using the Blue/+Common wire for optimal Digitrax transponding operation (automatically done with DCC medium plug configuration).
4. To use a function output with an inductive (coil) type load, see the Digitrax Decoder Manual for more information to avoid damage to the decoder.
5. See the Digitrax Decoder Manual for full details of wiring 12-16V lamps, 1.5V lamps, and LEDs. Lamps that draw more than 80 mA when running require a 22 ohm 1/4 watt resistor in series with the directional light function lead to protect the decoder.
6. Some locomotives employ filter capacitors for RFI suppression in the locomotive wiring. These may cause problems with Supersonic decoders and non-decoder analog operation on DCC. This capacitor should be removed for safe operation.

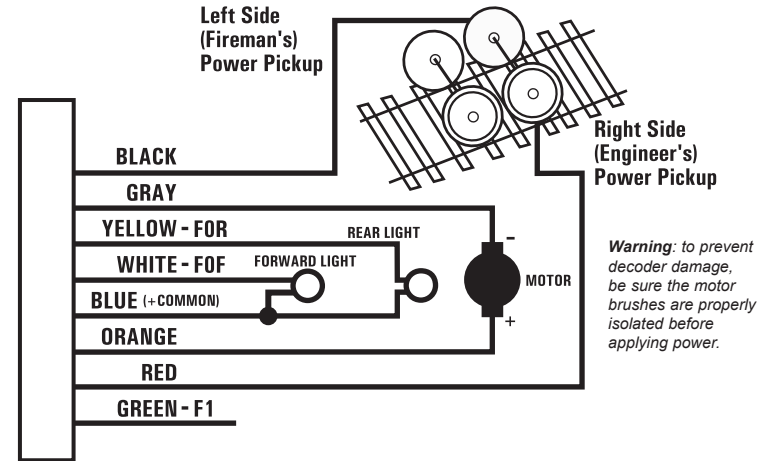
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