



Hale Products, Inc. Service Bulletins

Bulletin#: 120

Revision#: A

Date: 07-17-2012

Product Type Covered: ☒ Vehicle Mounted Pump

☐ Portable Pump

☐ Pump End

☐ Foam Proportioners

☒ Valve

☐ Refueler Pump

☐ CAFS

☒ Parts and/or Accessory

Keywords: Indicator Lights, MIV-E, MIV-M, PM Control, 40BD, TRV

Product Covered:

Indicator Lights and Assemblies for Pump Panels

Problem Statement:

Current product line of Hale indicator lights and light assemblies use incandescent bulbs. At the moment the bulbs are different for 12V and 24V applications. The electrical housings for these lights are no longer readily available. To resolve the issue of sourcing the current components, consolidating 12V and 24V applications and improving the overall product, Hale Products is replacing the incandescent light assemblies with high quality LEDs.

Written by: Justin Palmer

Date: 07-17-2012

Approved by: Rob Belser

Project Manager:

Customer Service Designee: Shawn Kelly

Body of the Bulletin

Hale Products, Inc. currently uses a range of incandescent light assemblies on products and accessories that are mounted on the pump panel. These incandescent light assemblies are available in green, red, amber and blue and are available for 12V and 24V applications. The existing light assemblies use electrical housings of an older design that are no longer readily available commercially. Due to the large quantities of these lights used by our customers each year, alternative designs are necessary to keep the product line available.

We will be upgrading the existing incandescent light assemblies to a more modern-looking and more robust LED assembly. The fit and function of the new assemblies will remain identical to the previous versions, taking into exception that the LEDs have a flat-top instead of the dome-top of the incandescent version. All placard assemblies that currently use incandescent lights will be assembled with LEDs by October 1, 2012. The photos on the next page show a front and a side profile of the new LEDs versus the old incandescent lights when used with an MIV-E switch assembly. The change will be implemented across all products using light assemblies – the photos on the next page are for reference only.

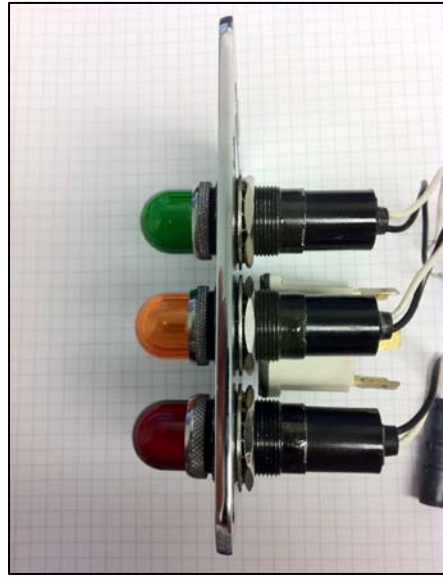


Figure 1 – Current MIV-E placard with incandescent lights.

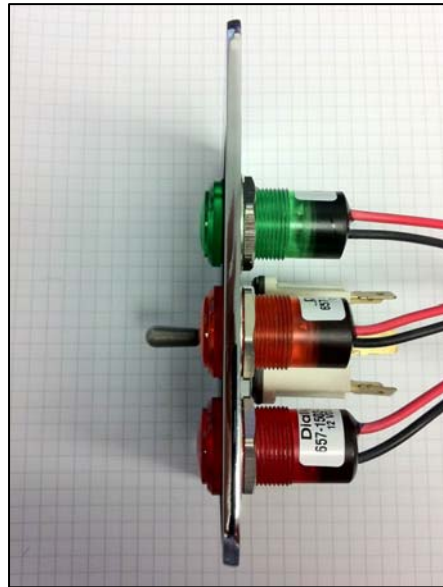


Figure 2 – Updated MIV-E placard with LEDs.

As always, Hale Products strives to maintain the highest quality with all of the products we sell. The new LEDs are IP67/NEMA 4X rated, cool to the touch, resistant to shock and vibration, RoHS compliant and are engineered for up to 100k hours of operation. The LEDs are a direct drop-in replacement for the existing incandescent lights and utilize the same connectors as the existing lights. These LEDs are suitable for both 12V and 24V applications.

Replacement light kits are available for any customers wishing to upgrade their current pump panels to the new style LEDs. The part numbers for these kits are listed in the cross reference table on the next page.

Old P/N	New P/N	Description
546-2210-00-0	546-00011-000	Green Indicator Light Assembly Kit – 12/24V
546-2210-01-0		
546-2210-02-0	546-00011-002	Amber Indicator Light Assembly Kit – 12/24V
546-2210-03-0		
546-2210-04-0	546-00011-001	Red Indicator Light Assembly Kit – 12/24V
546-2210-05-0		
546-2210-06-0	546-00011-003	Blue Indicator Light Assembly Kit – 12/24V
546-2210-07-0		

For additional information or assistance, please contact Hale Products customer service at 1-800-220-HALE.