



Product Alert

Updated: October 12, 2021
Original: March 6, 2019

Type of Notification: Performance Related Concern

FM Approvals has been made aware that Neles USA Inc received a report of an incident during a demonstration test of their FM Approved Figure 1075 fire safe safety shutoff valves where a fusible link melted and the spring handle did not fully release to close the valve. Metso subsequently evaluated the release mechanism in their lab and determined it did not consistently release the handle to close the valve. The method of attaching the fusible link to the valve actuator has since been modified to provide consistent valve closure and was successfully tested by FM Approvals. See attached Product Announcement issued by Metso Flow Control USA Inc.

Company (As Listed in the Approval Guide): Neles USA Inc.
Address: 44 Bowditch Dr, Shrewsbury, Massachusetts 01545, USA
Contact Information: david.bayreuther@neles.com

Product Identity: Fire Safe Safety Shutoff Valves (Class 7440)

Model: Figure 1075 fire safe safety shutoff valve

Date Codes Affected: Valves manufactured from 2002 to 2019

FM Approval status: All Figure 1075 fire safe safety shutoff valves manufactured between 2002 and 2019 are FM Approved.

Hazard involved: The Figure 1075 fire safe safety shutoff valves manufactured during the affected dates have release mechanisms that may be susceptible to restriction, preventing actuation of the valve. This could prevent the valve from operating correctly and should be addressed immediately. Further technical information regarding the Neles USA Inc Figure 1075 fire safe safety shutoff valve can be found at the following web address: www.metso.com

If you suspect you are in possession of an affected valve discussed above and bearing the FM Approvals certification marking, please contact the manufacturer via the **Contact Information** listed above to receive replacement parts per the attached Product Announcement issued by Neles USA Inc. Please also bring it to the attention of:

Antonio Pires
FM Approvals, Quality Department
Norwood, MA, USA
+1 (1) 781-255-4825
Email: antonio.pires@fmapprovals.com

To: All Neles Jamesbury Customers

**Subject: Product Announcement regarding Jamesbury FM approved Figure 1075
Emergency Shutoff and Fire Safe Valves and Torq-Handle® Spring-Return Handles**

Enclosure: (1) Torq-Handle® fusible link connection retrofit instructions

Neles received a report of an incident where a fusible link melted, and the spring handle did not fully release to close the valve. The incident occurred during a demonstration test on a test bench, and not in service. Subsequent evaluation in our laboratory reveals that the fusible-link on the Torq-Handle® does not consistently release the handle to close the valve. To ensure consistent release, the method of attaching the fusible-link to the handle needs to change.

The scope of product affected by this announcement is all FM approved Figure 1075 units as well as all Torq-Handles® manufactured from 2002 until today. Units manufactured prior to 2002 are not affected. Please refer to the pictures below to identify if a product is affected by this announcement.

Figure 1: Configuration of product prior to 2002 - No action required

Note: Key ring around bracket secures end of fusible link

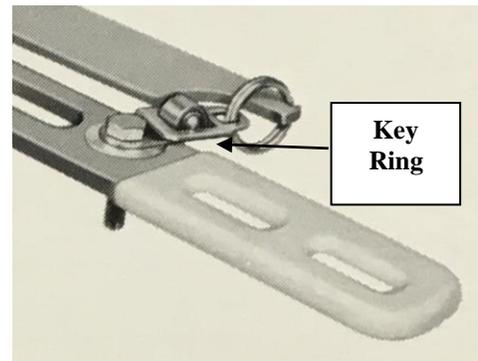
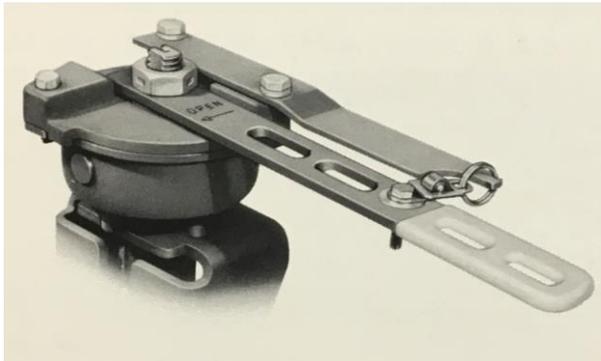
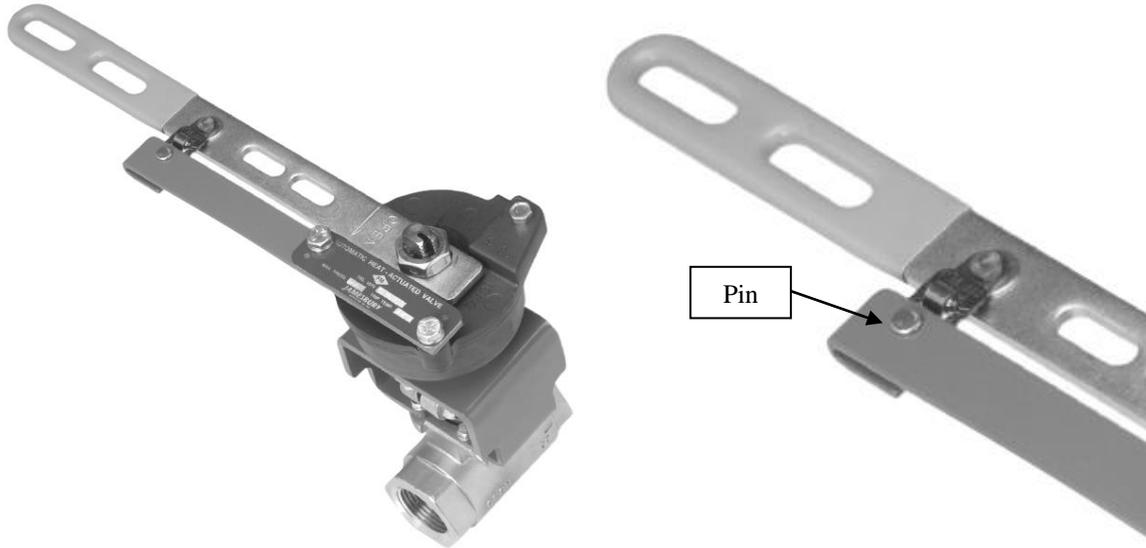


Figure 2: Configuration of product circa 2002 to today - Action required

Note: Pin through bracket secures end of fusible link



If you have product matching the Figure 2 configuration, please contact Neles for replacement parts by sending an email to the below address. In the email, please identify the number of units requiring retrofit as well as the shipping address for the replacement parts:

david.bayreuther@neles.com

As soon as replacement parts are received from Neles, please cycle the valve as recommended in the maintenance section of IMO-71 and secure the fusible link to the handle with the replacement parts per the instructions in Enclosure 1.

We apologize for the inconvenience of this notification. Please contact the undersigned if any additional information is needed.

Sincerely;

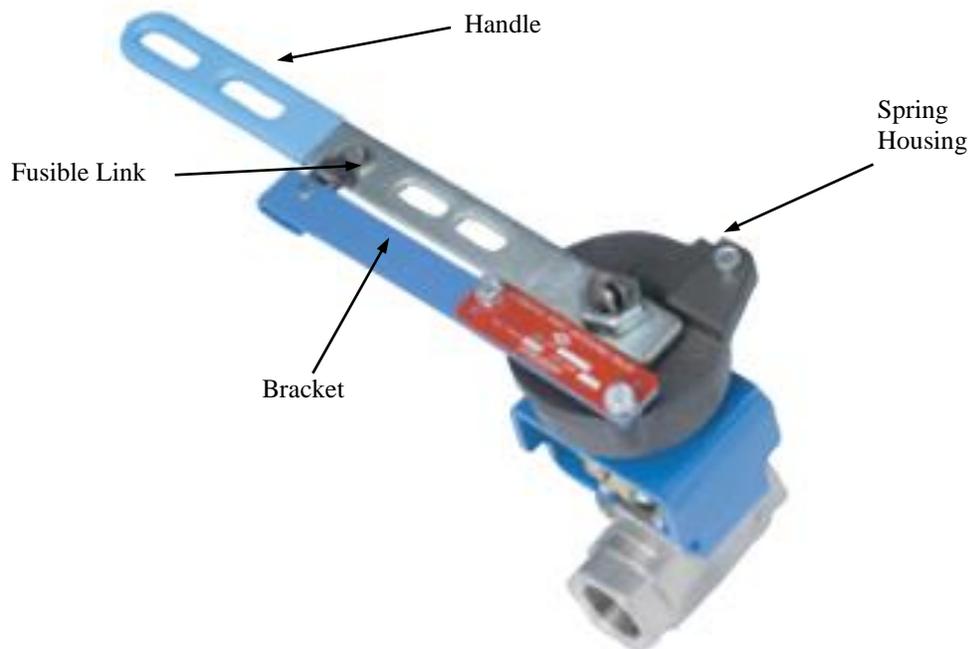


David Bayreuther
Vice President of Ball Valves
508-852-0215 x2920
david.bayreuther@neles.com

Enclosure (1)

Torq-Handle® fusible link connection retrofit instructions

1. This instruction manual contains important information regarding a field retrofit modification to Jamesbury® Torq-Handle® Spring return Handles. Please read these instructions and install the parts carefully and correctly.
2. Read all warnings in this instruction as well as IMO-71 before starting this retrofit.
3. **WARNING:** The handle is spring loaded and can rapidly release if not restrained. Release of the handle can result in rapid rotation, possibly causing personal injury and damaged equipment. Before attempting to remove any parts, be certain the handle is fully restrained either manually or with secure clamps.
4. **CAUTION:** It may be possible to install this retrofit without operating the valve and disrupting normal operation. However, it is important that you evaluate all risks associated with potential accidental closure of the valve when performing this retrofit. It is recommended that the Torq-Handle be fully cycled to ensure proper operation as mentioned in Section 3 of IMO-71.



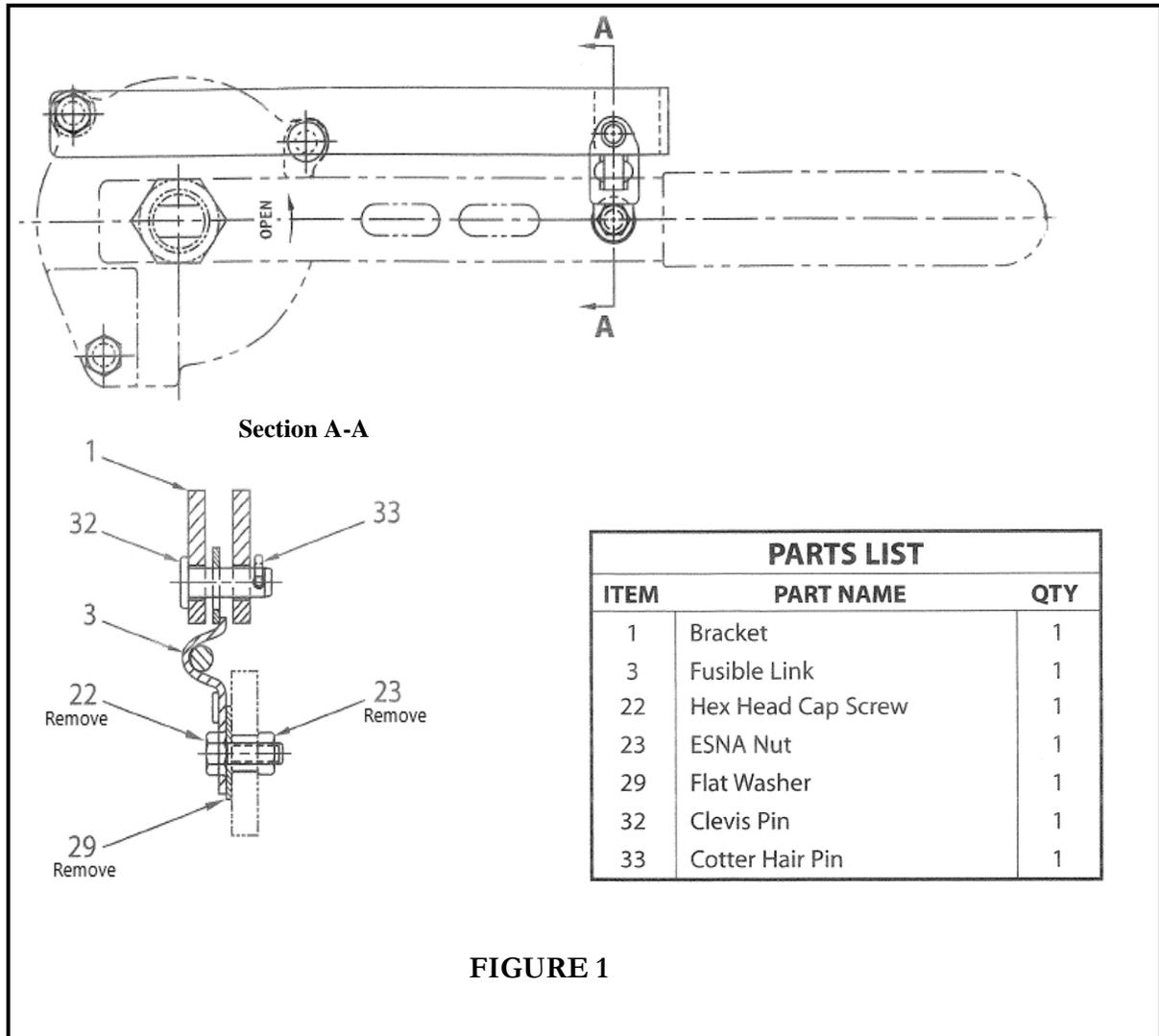


FIGURE 1

5. The current configuration is shown in Figure 1. Retrofit entails removing and replacing parts 22, 23 and 29, which connect the fusible link to the spring-loaded handle.
6. Hold the handle in position manually or with secure clamps, and remove parts 22, 23 and 29. Discard as these will not be used.
7. Install new clevis pin (32), spacer (34), and cotter pin (33) as shown in Figure 2.

NOTE: There should be no additional washers or parts installed to hold the fusible link other than those shown in the parts list in Figure 2.

CAUTION: Ensure the fusible link is installed as shown. If installed opposite, the handle can interfere with dropping of the fusible insert when it melts.

NELES

David Bayreuther
1 July 2020

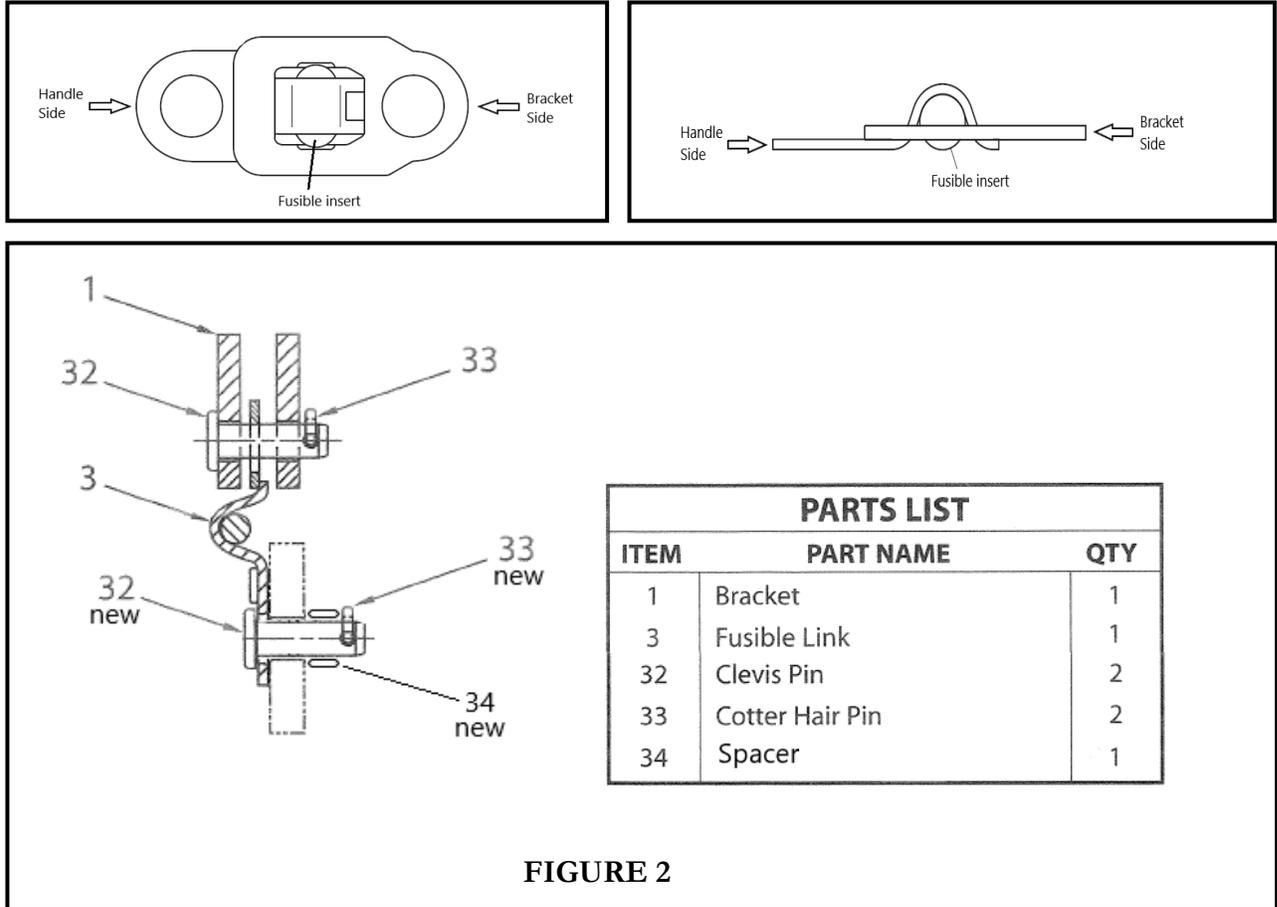
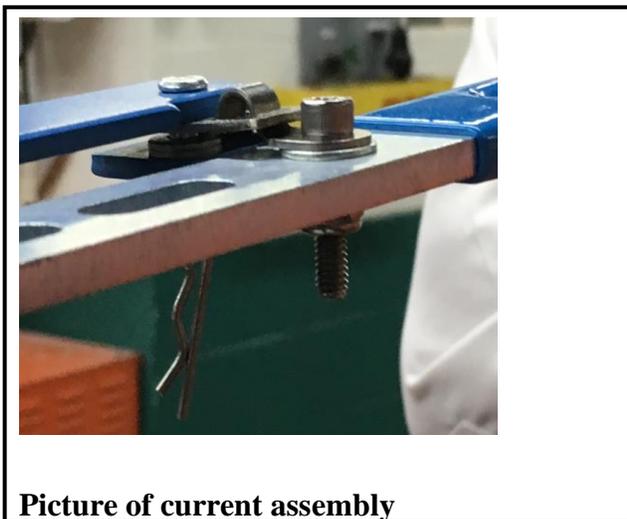
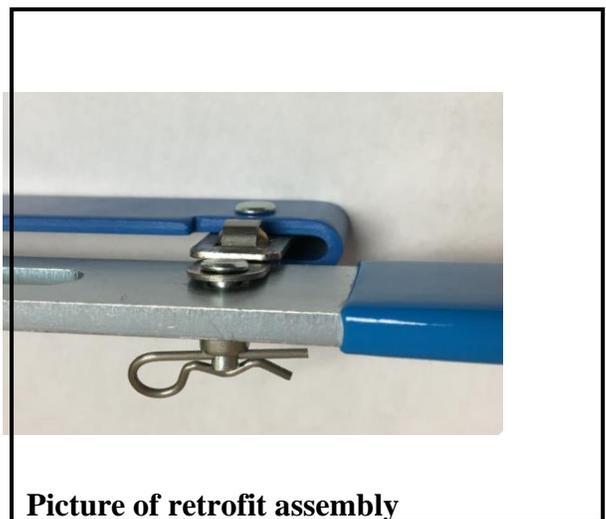


FIGURE 2



Picture of current assembly



Picture of retrofit assembly