NBG-10 Pull Station Operation

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NOTIFIER has identified an issue that could affect the normal operation of NBG-10 series pull stations manufactured between 1992 through 2010. The majority were manufactured from 1992 through 2000. See table on page 2 for a list of potentially affected pull station model numbers and the recommended NBG-12 series replacement model numbers.

The issue is related to the seal installed around the alarm switch, which can deteriorate over time preventing the switch from signaling an alarm when the pull station is activated.

Due the age of these pull stations and the fact that all products have a finite service life NOTIFIER recommends the replacement of all NBG-10 series pull stations. While there is no industry standard for replacement intervals for pull stations, mechanical devices are not intended to be in service indefinitely. This is an opportunity to upgrade your customers existing NBG-10 series pull stations to the newer, more aesthetically pleasing NBG-12 series pull stations.

While there's a high probability that abnormal pull station operation would be identified during the annual testing requirements prescribed by NFPA 72, NOTIFIER recommends all NBG-10 series pull stations be replaced with a new pull station. If the pull station is not replaced a new factory provided alarm switch seal be should be installed at the next scheduled service interval. See the procedure shown below. In addition to replacing the seal these pull stations should be inspected for cracking/fracturing of the plastic housing or bending of the pull station backplate. Any pull station showing signs of cracking of the housing, or bending of the backplate should be replaced. Please refer to figures 5 and 6 for assistance in determining if the pull station housing/backplate may be compromised. Red button alarm switches do not require seals, see figure 7 below.

Note: The NBG-10 series pull stations were distributed under multiple brands which are also subject to this issue. Please refer to the table on page 2. Any of the pull stations referenced in the table on page 2 should either be replaced, or a new factory provided alarm switch seal should be installed.

NBG-10 Series Inspection and Seal Replacement Procedure

1. Prior to performing pull station inspection, replacement or alarm switch seal replacement, please ensure that the proper precautions have been taken. This may include disabling the notification appliance circuits or off premise reporting. Opening the NBG-10 series pull stations will result in an alarm condition.

2. Inspect the NBG-10 series pull stations. Replace any pull station showing signs of cracking/fracturing of the plastic housing or bending of the backplate. If the seal was previously removed, a new seal should be installed. If the seal will be replaced, please continue with steps 3 through 6. Please refer to figure 1 for location of the seal.
3. You must order new seals free of charge at www.pullstationsafety.com prior to performing the seal replacement. Remove the existing seal by using an appropriate tool such as forceps, tweezers or similar instrument to completely remove the entire factory installed seal. Please refer to figure 2. In cases where the seal cannot be completely removed the pull station should be replaced. Use caution not to damage the alarm switch plunger while removing the seal.
4. Prior to installing the new seal, the area around the switch shall be cleaned. Use isopropyl alcohol (rubbing alcohol) or similar alcohol based, non corrosive cleaning agent with a cotton swab or similar cleaning utensil to clean any residue leftover after removing the seal. Please refer to figure 3. In cases where the residue cannot be completely cleaned the pull station should be replaced.
5. Install the new seal around switch by simply placing the new factory provided seal over the switch. Note that the seal will "float" around the switch while the door is open and will only sit in place when the pull station door is closed into the locked position. Please refer to figure 4. On hex lock models use caution when tightening the hex screw. Over tightening may damage the pull station housing.
6. After replacing the seal the pull station should be tested, in accordance with NFPA 72 or other local fire code requirements, to ensure the pull station is operating normally. If the pull station does not operate normally after replacing the seal, the pull station should be replaced.

   Note: Factory provided replacement alarm switch seals have been tested and listed by Underwriters Laboratories (UL).

Recommended Substitution Table for NBG-10 Series Pull Stations

NOTIFIER NBG-10 series Pull Station Model	NOTIFIER NBG-12 series Pull Station Model
BGX-101L: Addressable dual-action, key lock	**NBG-12LX**: Addressable dual-action, key lock
NAR-10: Conventional dual-action agent release, hex lock	**NBG-12LR**: Conventional dual-action agent release. Key lock
N-ARA-10: Conventional dual-action agent release with Abort Switch, Release and Normal LEDs, hex lock	**NBG-12LRA**: Conventional dual-action agent release with Abort Switch, Release and Normal LEDs, key lock
NBG-10: Conventional dual-action, hex lock	**NBG-12**: Conventional dual-action, hex lock
NBG-10A: Conventional dual-action, hex lock, with annunciator contacts	**NBG-12LA**: Conventional dual-action, key lock, with annunciator contacts
NBG-10T: Conventional dual-action, hex lock, with key test feature	No direct replacement. Suggest **NBG-12**
NBG-10P:Conventional dual-action, hex lock, with pre-signal option	**NBG-12LPS**: Conventional dual-action, key lock, with pre-signal option

NBG-10L: Conventional dual-action, key lock	**NBG-12L**: Conventional dual-action, key lock
NBG-10WP: Conventional dual-action, outdoor applications	**NBG-12LOB**: Conventional dual-action, outdoor applications
NBG-10SP: Conventional dual-action, hex lock, Spanish	**NBG-12LSP**: Conventional dual-action, key lock, Spanish
ADT BG-10 series Pull Station Model	**ADT BG-12 series Pull Station Model**
ADT-BG-10LX: Addressable dual-action, key lock	**ADT-BG-12LX**: Addressable dual-action, key lock
ADT-BGX-101L: Addressable dual-action, key lock	**ADT-NBG-12LX**: Addressable dual-action, key lock
ADT-BG-10: Conventional dual-action, hex lock	**ADT-BG-12L**: Conventional dual-action, key lock
ADT-BG-10L: Conventional dual-action, key lock	**ADT-BG-12L**: Conventional dual-action, key lock
FIRE-LITE BG-10 series Pull Station Model	**FIRE-LITE BG-12 series Pull Station Model**
BG-10LX: Addressable dual-action, key lock	**BG-12LX**: Addressable dual-action, key lock
ARA-10: Conventional dual-action agent release with Abort Switch, Release and Normal LEDs, hex lock	**BG-12LRA**: Conventional dual-action agent release with Abort Switch, Release and Normal LEDs, key lock
BG-10: Conventional dual-action, hex lock	**BG-12**: Conventional dual-action, hex lock
BG-10A: Conventional dual-action, hex lock, with annunciator contacts	**BG-12LA**: Conventional dual-action, key lock, with annunciator contacts
BG-10T: Conventional dual-action, hex lock, with key test feature	No direct replacement. Suggest **BG-12**
BG-10P: Conventional dual-action, hex lock, with pre-signal option	**BG-12LPS**: Conventional dual-action, key lock, with pre-signal option
BG-10L: Conventional dual-action, key lock	**BG-12L**: Conventional dual-action, key lock
BG-10LA: Conventional dual-action, key lock, with auxiliary contacts	**BG-12LA**: Conventional dual-action, key lock, with auxiliary contacts
BG-10WP: Conventional dual-action, outdoor applications	**BG-12LOB**: Conventional dual-action, outdoor applications
BG-10SP: Conventional dual-action, hex lock, Spanish	**BG-12LSP**: Conventional dual-action, key lock, Spanish
Johnson Controls Inc. BG-10 Pull Station Model	**Johnson Controls Inc. BG-12 Pull Station Model**
JBG-10L: Conventional dual-action, hex lock	**JBG-12L**: Conventional dual-action, hex lock
JBGX-101L: Addressable dual-action, key lock	**JBG-12LX**: Addressable dual-action, key lock

To purchase new NBG-12 series pull stations to replace NBG-10 series pull stations, please contact your NOTIFIER Customer Service Representative. Please contact the appropriate brand for assistance with branded pull station models.

For additional information please visit www.pullstationsafety.com. Please note that replacement seals must be ordered from www.pullstationsafety.com as NOTIFER Customer Service will not be processing these orders.

Please contact NOTIFIER Technical Service with any technical questions regarding this notice; 1-800-289-3473 or NOTIFIER.Tech@honeywell.com.



Figure 1
BG-10 series manual pull station with door open showing the location of the factory installed seal



Figure 2
BG-10 series manual pull station with its door open depicting the seal being removed with forceps



Figure 3
Cleaning of the switch using an alcohol based cleaning agent



Figure 4
BG-10 series manual pull station with the door open with the new seal installed. Note the new seal will “float” around the switch while the door is open and will only sit in place when the pull station door is closed and in the locked position

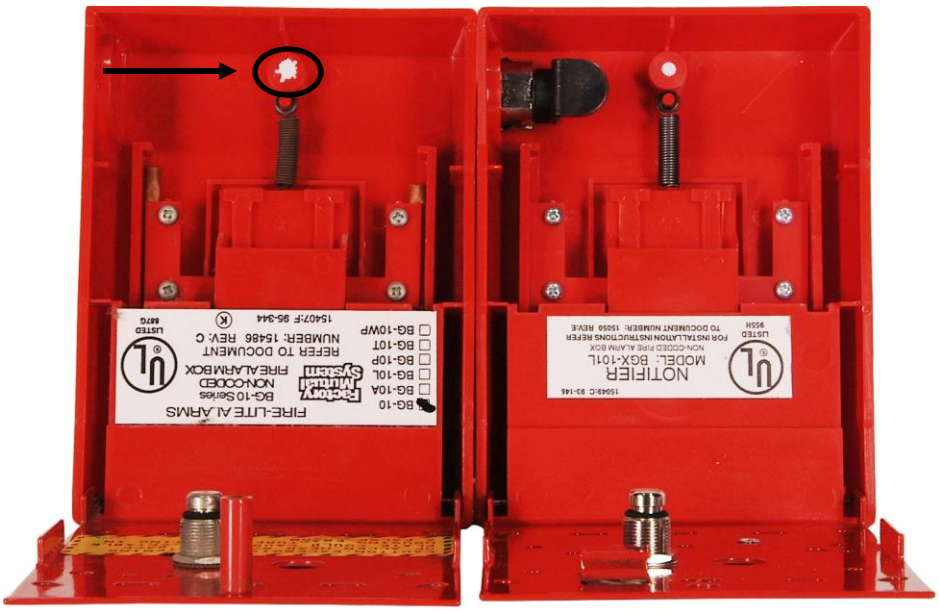


Figure 5
BG-10 series hex lock model manual pull stations showing the inside view of the pull station door. The hex screw on pull station on the left has been over tightened fracturing the pull station housing. Any pull station showing signs of fracturing should be replaced

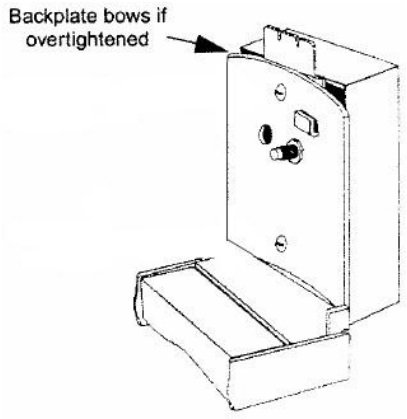


Figure 6
Depiction of the BG-10 series manual pull station where the mounting screws have been overtightened, causing the backplate to bow. Any pull station showings signs of bowing or bending of the back plate should be replaced



Figure 7
BG-10 series manual pull station with the door open with a red button alarm switch. Do not install a seal on pull stations with a red button alarm switch