Technical Service Bulletin

Product: GCX Wall Mount Kit for Welch Allyn Vital Signs Monitors

Date: 2016-02-12

Affected Material number(s): 008-0834-01

Subject: TSB - GCX Wall Mount Tension Adjustments

Classification: As Needed

Distribution: ☒ Customer Care ☒ Product Service ☒ Field Service

☐ ASPs ☐ Distributors ☐ Customers ☐ Company Confidential

Training Required: ☒ Yes ☐ No

Summary: Excessive tension in the GCX wall mount arm pivots may result in too much force applied to position the monitor causing damage to the mounting bracket. This TSB provides instruction to properly set the tension in the arms pivot’s and replace a damaged mounting bracket if needed.

Tools Required:

Tension setting tools:

a. Socket wrench with ½” socket
b. Calibrated torque wrench (digital or dial)
c. CF-000449
d. CF-000448

Additional tools not shown

1/8” hex wrench

Torque driver set to 30 in-lb +/- 0.5 in-lb

#2 Phillips head for torque driver

#2 Phillips screwdriver
Procedure

Remove the CVSM

1. Disconnect sensors and/or external parameter connections.
2. Disconnect the power cord (remove wire ties as necessary to allow for the tension adjustment).
3. Use the Philips screw driver to back out the captive screw until it is free from the CVSM.
4. Slide the CVSM away from the captive screw and remove from the mounting bracket.

Replace the mounting bracket

1. Remove the existing mounting bracket.
2. Install the new mounting bracket and torque the screws to 30 in-lb +/- 0.5 in-lb

Note: The mounting bracket may be different from the illustration
Adjust the height of the arm or basket if necessary

a. To reposition the basket or the arm loosen the adjustable stop beneath the part to be moved
b. Loosen the set screw(s) on the Slide using the 1/8" hex wrench
c. Position the Slide to the desired height in the channel
d. Tighten the screw(s) using the 1/8" hex wrench
e. Slide the Adjustable Stop to the bottom of Slide and tighten the center screw in the Adjustable Stop
Set the swivel and pivot tension

1. Loosen/tighten the front pivot with a socket wrench to achieve the desired factory tension setting of 8-20 in-lbs.

2. Once the desired tension setting is achieved on the front swivel, then proceed with the back pivot.

3. Loosen/tighten the back pivot to achieve the desired factory setting of 35-70 in-lbs.

4. Once set, both the pivot and swivel joints should move smoothly.

Note: When setting the tension, the torque wrench should be placed directly above the pivot and swivel joints.
Mount the CVSM

Slide the monitor onto the Mounting bracket (photo below left), ensuring that the tab at the front of the bracket is inserted in the slot on the bottom of the monitor. Using a Phillips screwdriver, tighten the captive Screw (rear of the Mounting Adapter) into the threaded hole in the rear of the monitor (photo below right).
Complete the installation

Check both the pivot and swivel joints continue to move smoothly.

a) Grasp the sides of monitor and swivel side to side.
b) Push or pull on the side of the Arm.
c) Adjust the monitor to the desired position.

Note: Do not position the monitor by pulling or pushing on the CVSM handle.

d) Reconnect the power cord and replace any wire ties previously removed.
e) Reconnect any sensors previously removed.

Routine Maintenance

Periodically inspect all hardware associated with the mounting system. Tighten or adjust as necessary for optimal operation and safety.

Cleaning the Mounting Assembly

- The mounting assembly may be cleaned with most mild, non-abrasive solutions commonly used in the hospital environment (e.g., diluted bleach, ammonia, or alcohol solutions).
- The surface finish will be permanently damaged by strong chemicals and solvents such as acetone and trichloroethylene.
- Do not use steel wool or other abrasive material to clean the mounting assembly.
- Damage caused by the use of unapproved substances or processes will not be covered by the warranty. We recommend testing of any cleaning solution on a small area of the arm that is not visible to verify compatibility.
- Do not submerge or allow liquids to enter the arm. Wipe any cleaning agents off of the arm immediately using a water-dampened cloth. Dry the arm thoroughly after cleaning.

CAUTION: Welch Allyn and GCX make no claims regarding the efficacy of the listed chemicals or processes as a means for controlling infection. Consult the hospital's infection control officer or epidemiologist. To clean or sterilize mounted instruments or accessory equipment, refer to the specific instructions delivered with those products.