

Subject: Sensor Array Pillar Bolts

Overview

On certain units the sensor arrays are not holding firmly in place. This is due to the type of bolts being used to secure the sensor array pillars to the U-Scan chassis.

Problem

If the sensor arrays are not aligned and/or do not hold firmly in place, it can cause numerous violations within the application

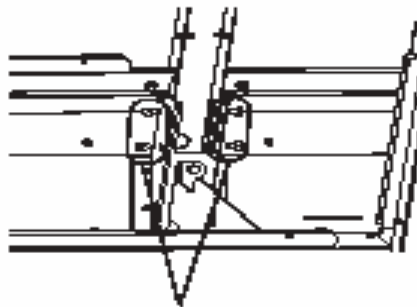
Solution

Ensure that the sensor array pillars are firmly installed. If the pillars move easily, follow the steps below to replace the bolts securing the pillars. This should be performed on an Next Visit or Fit-On-Fail basis.

Serrated Flange Bolt	11001610
Installation Time	1 Hour per Robot (4 Pillars)

****Please note you must replace all bolts****

1. Shut down the U-Scan Station.
2. Turn off the power switch on the controller board panel.
3. Remove the front and rear guards (Plexiglas pieces).
4. Remove the sensor faceplate for the pillar(s) you will secure.
5. Remove the skirt beside the pillar(s) you will secure.
6. Hold the pillar, then remove the four bolts and star washers (two each side) securing the pillar to the base.
7. Fasten a 1/4-20x3/8" Serrated Flange Bolt in each of the four holes to secure the pillar (torque = 70 inch lbs.).
8. Discard the star washers and bolts you removed.
9. Replace the skirt.
10. Replace the sensor faceplate.
11. Replace the front and rear guards.
12. Restart the system.
13. Test the sensor array to ensure that the alignment is correct, align as necessary.
14. Adjust the sensor if necessary.



Serrated Flange Bolts (4)

NOTE: You must replace all four bolts and washers with the serrated flange bolts.
Do not re-use any of the original bolts and washers to secure the sensor pillars.
Do not install the washers in combination with the serrated flange bolts.

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