AnaJet®

Technical Support

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Technical Support

Contact Info

Corporate Office: **AnaJet Inc.**
3050 Redhill Ave
Costa Mesa, CA 92626
USA

Telephone: **714.668.6000**
Toll Free: **877-6-ANAJET (877.626-2538)**
Fax: **714.662.3600**

Revision History

Revision	Description	Author	Date
2.0	Initial release.	Craig Norton – Tech support	5/13/2013

Title for the guide

Introduction

The technical Support team had determined that your Sprint's Maintenance Station needs to be replaced. These step-by-step instructions are designed to assist our end users in the replacement procedures.

Scope

This applies to Sprint printers only.

Symptoms

- The maintenance station is no longer functioning due to broken parts or electro-mechanical problems.

Possible causes

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1. Broken wiper blade mechanism no longer engages to wipe the print head.
2. The maintenance station pump will no longer drain waste ink.
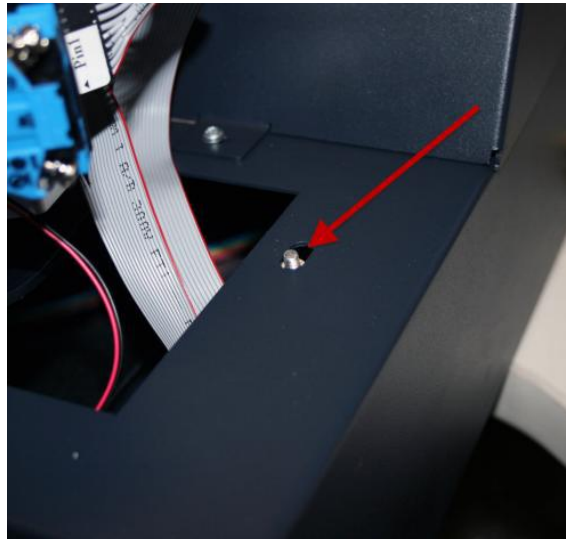3. The print carriage will not release from the maintenance station.

Parts needed

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1. New maintenance station.

Tools needed for repair

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1. You will need at least 3 Philips head screw drivers. Small (2 in shaft), medium (5-6 in shaft) and long (12 in shaft).
2. 1 – Anti static wrist strap (these can be purchased at a computer or electronics store).

Replacement – Sprint Maintenance Station

Step 1 – Removing Control Panel

1. Remove the two Phillips (+) screws that hold the Control Panel to the printer body. These are accessed from a rectangular hole located beneath the printer. (Photo 1.0)

1.0

2. Remove the ribbon cable from the LCD.

3. Remove the 2 pin connector from the LCD backlight cable.

4. Remove the flat flex cable from the Control panel cable.

5. Disconnect the 2-2pin ground cables from the Control Panel

6. Unscrew the green and white leads from the Print Button Assembly

7. Unscrew the two green ground leads from the front body panel screw.

8. Reassemble the new Control Panel by reversing the above steps.

9. Adjust the backlight and character contrast if required, see 4.7.

Step 2 – Removing Ink Delivery System

1. Remove the Ink Cartridges.
2. Remove Front Body Panel by removing the single front retaining screws and two rear screws securing the front body panel. (See Photos 2.0 and 2.1)

2.0

2.1
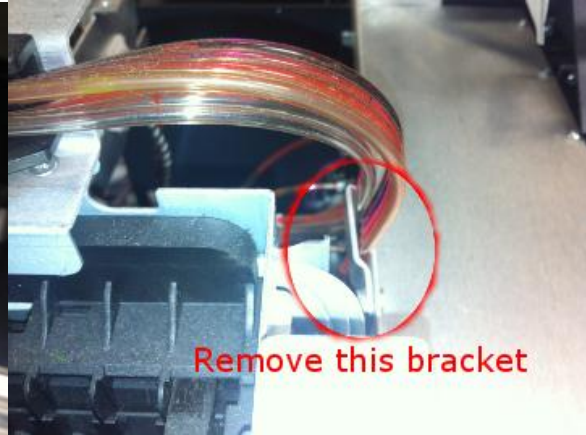
3. Remove the Bezel (Photo 2.2)

Remove these two screws

2.2

4. Remove the fixed end of the Tube Carrier from the Tube Carrier and Tube Bracket (Photos 2.3 and 2.4)

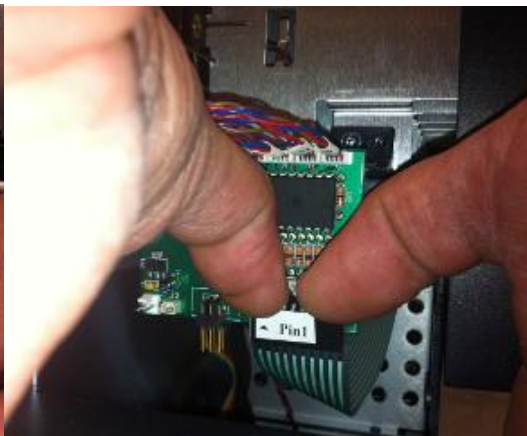**Replacement – Sprint Maintenance Station**

2.3

2.4

5. Remove the Dampers from the Carriage and place the Dampers in a plastic sandwich bag above the level of the Print Head to minimize leakage from the Dampers.
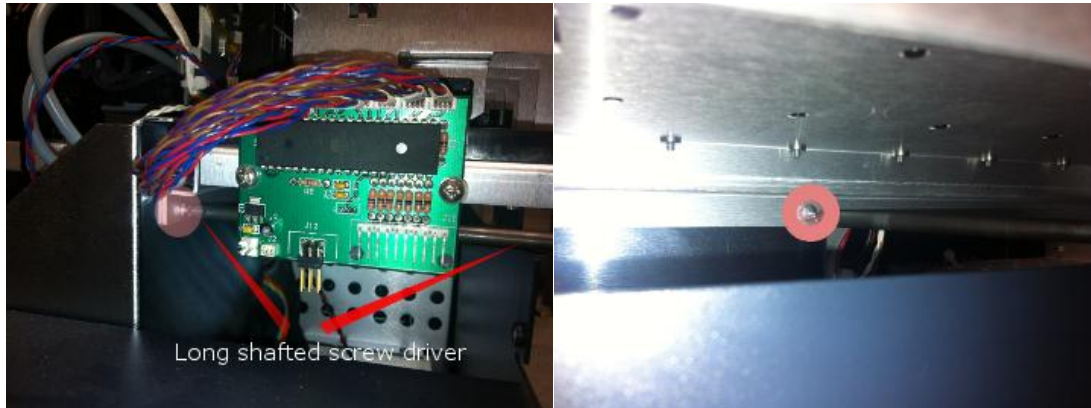6. Unplug the cables to J1 and J2 from the Ink LED PCBA and the connector labeled PIN 1. (Photos 2.5 and 2.6)

2.5

2.6

7. Remove the four 6-32 screws from the lower support of the Ink Delivery System. (Photo 2.8 and 2.9)

2.8   2.9

8. Remove the 6-32 screw from the upper bracket of the Ink Delivery System and the Back Panel Screw. (Photo 2.11 and 2.12)
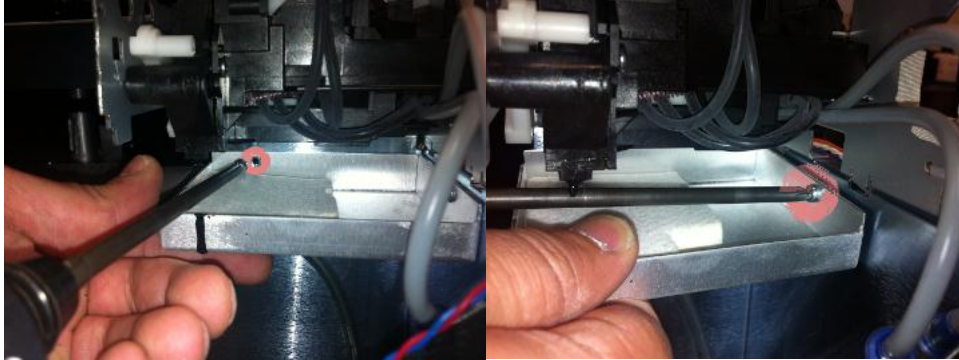

2.11   2.12

9. Slide the Ink Delivery System forward and out of the Main Chassis.
10. Reassemble the Ink Delivery System by reversing the removal steps.

Step 3 – Removing Maintenance Station

1. Remove the Waste Ink Tank
2. Release the Print head carriage and move it to the left, away from the Maintenance Station. (See your operator's manual)
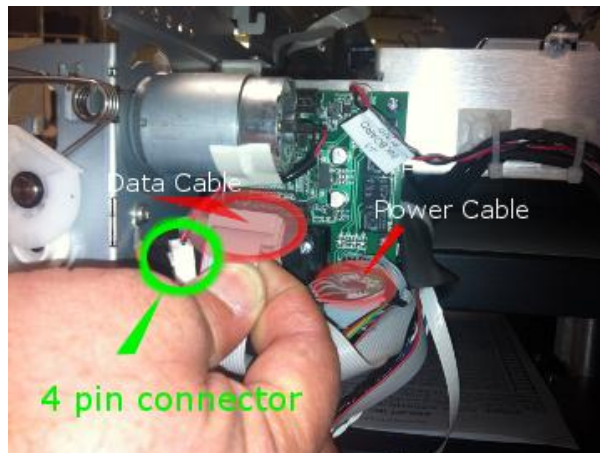
3. Remove the waste ink tray underneath the Maintenance Station. (Photo 3.0 and 3.1)
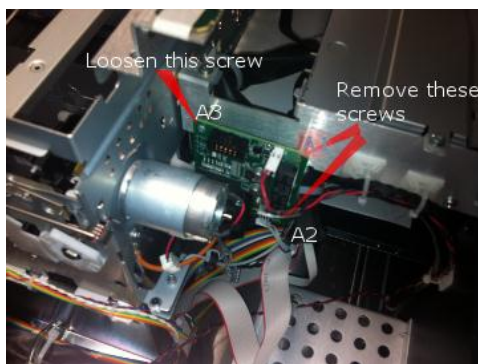

<div align="center">3.0   3.1</div>

4. Remove the Data cable and the power cable from the Axillary Pump Board and unplug the 4 pin connector from the motor cable.(Photo 3.2)

Data Cable
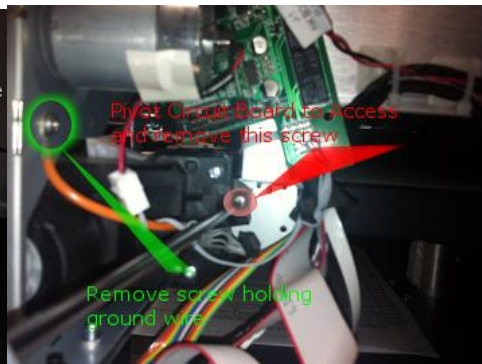
Power Cable

4 pin connector

<div align="center">3.2</div>

5. Remove the screws labeled A1 and A2 in photo 3.3 below. Loosen the screw labeled A3. This will allow you to pivot the circuit board to access and remove the screw behind A2, and also remove screw holding ground wire with the short shaft Phillips head screwdriver. (Photo 3.4)
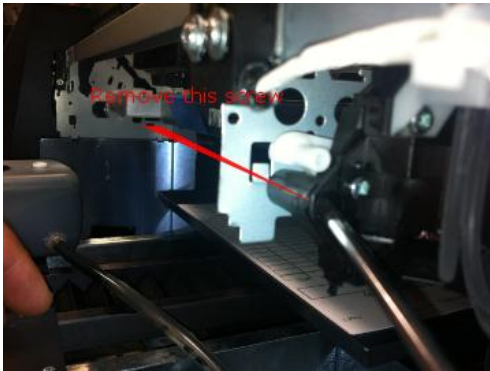

Loosen this screw

A3

Remove these screws

Pivot Circuit Board to access and remove this screw

A2

Remove screw holding ground wire

<div align="center">3.3   3.4</div>

Replacement – Sprint Maintenance Station
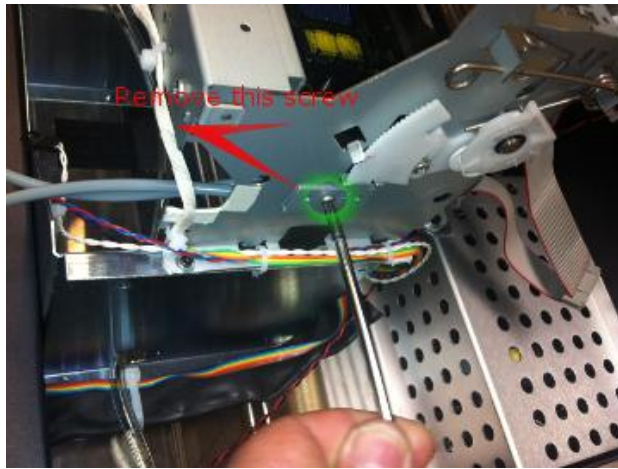
6. The last remaining screws holding the Maintenance Station in are shown in the images below. (Photos 3.5, 3.6 and 3.7)
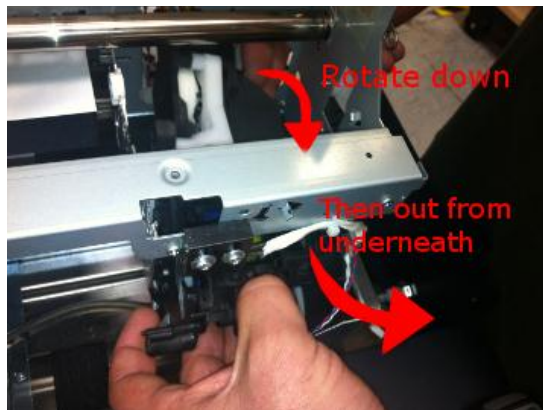

3.5   3.6

3.7

7. The last step is to simply remove the Maintenance Station. Rotate the Maintenance Station front end down, and then slide it out from underneath.

8. Install the new Maintenance Station by reversing the above steps.

Replacement – Sprint Maintenance Station