



# *BAS-423, 423A, BES-1230*

## *Maintenance Schedule*

For Technical Assistance Please Call Toll Free 1-877-4BROTHER

Email: [tsupport@brother.com](mailto:tsupport@brother.com)

Website: [http://www.brother-usa.com/industembroidery/tech\\_down.aspx](http://www.brother-usa.com/industembroidery/tech_down.aspx)

**Perform all maintenance with the machine OFF**

### *Daily Maintenance*

#### **Cleaning**

##### **Rotary hook**

1. Open bobbin case covers and remove bobbin cases. Use brush to remove lint build up in and around rotary hooks. Compressed air may also be used.



2. Insert bobbin cases in to rotary hooks. Make sure bobbin thread is not over 2 inches long. Close bobbin case covers.



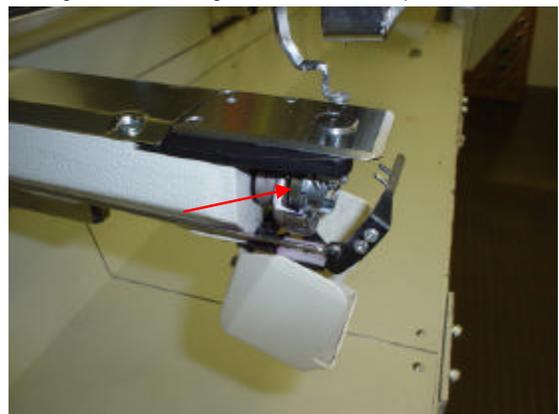
#### **Oiling**

##### **Rotary hook**

1. Rotate the pulley or degree wheel backwards so that 50 degrees is at the top.



2. Open the bobbin case covers. Place a small drop of oil on the raceway as indicated by the arrow. Oil rotary hooks every 3-4 hours of operation.



3. Close bobbin case covers.
4. Rotate pulley in the direction of the arrow or forward to stop position, 100 degrees.



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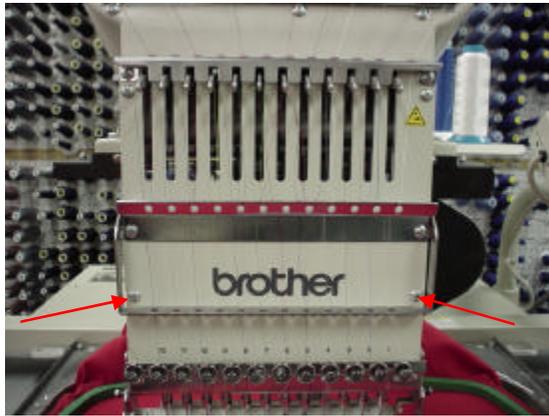
Website: [http://www.brother-usa.com/industembroidery/tech\\_down.aspx](http://www.brother-usa.com/industembroidery/tech_down.aspx)

### *Weekly Maintenance*

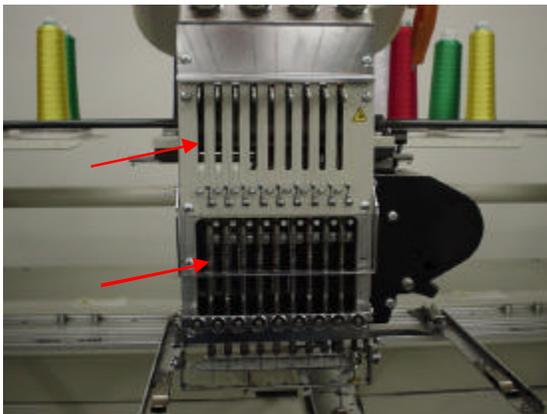
#### **Oiling**

#### **Needle Bars**

1. Remove the front plate that has the "BROTHER" logo on it by removing one screw and loosening the other. The plate will now slide off to the side.



2. Oil each needle bar as shown in the picture by placing a small drop of oil on each needle bar in the two locations.



3. Replace cover.

#### **Oil Tanks**

1. Fill both oil tanks with fresh oil to ½ full by inserting oil bottle through the rubber dust plugs.



*Note: Oil may run out in the front tank after one or two hours of operation. This is normal. A part that can keep extra oil is incorporated into the machine front oil tank, so that even with no oil tank, oil can be supplied to the machine.*



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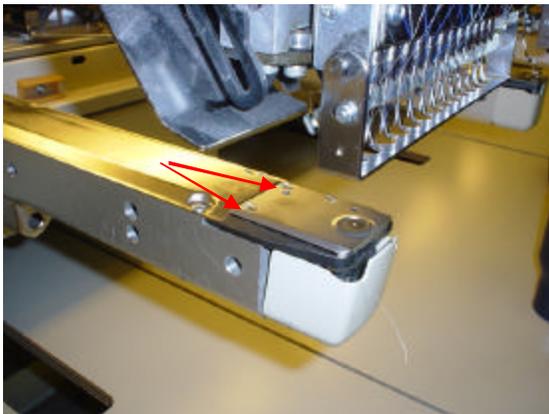
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### Monthly Maintenance Cleaning

#### Knives

1. Remove the two screws and remove the needle plate.



2. Clean any thread and lint around the moving and fixed knife with a brush or compressed air



3. Re-install needle plate.

#### Control Box

1. Use a brush to clean fan filter on control box.





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### *6 Month Maintenance*

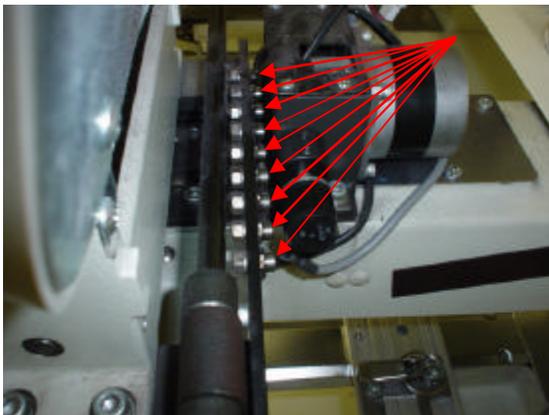
#### **Greasing**

#### **Color Change Assembly**

1. Color change the machine to the furthest needle to the left. Apply black grease (BR2) to the groove of the cam and bevel gears. Apply grease lightly since excess grease may contaminate the color change sensor on some models.

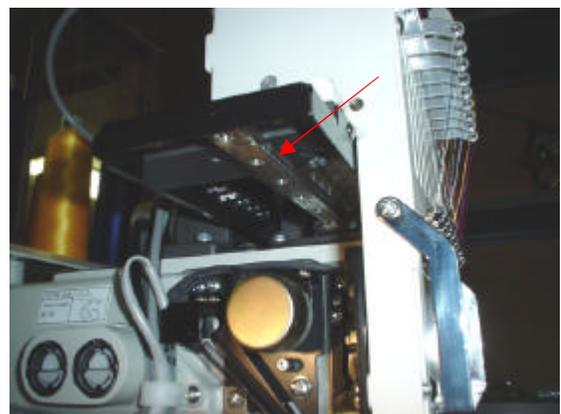
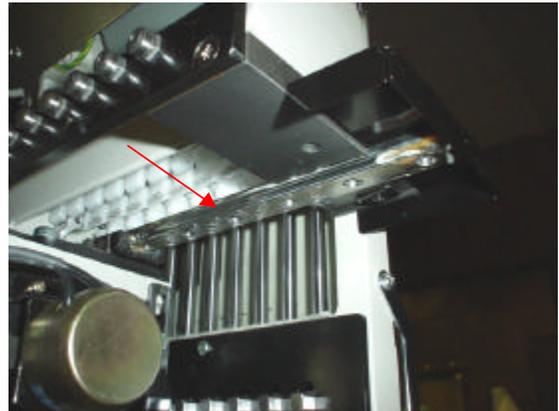


2. Apply black grease (BR2) to the roller bearings. Apply grease lightly since excess grease may contaminate the color change sensor on some models. Color change the machine to needle 1 to get to the last 3 to 4 roller bearings on the other side.



#### **Color Change Linear Rail**

1. Color change the machine to needle 1. Apply white grease (30) to the two grooves on the left side of the linear rail. Color change the machine to the furthest needle to the left to get to the other side of the linear rail and grease on that side as well.





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### 6 Month Maintenance Greasing

#### X Linear Rail

1. Looking up underneath the pantograph you will see the X linear rail.



2. Apply white grease (30) to the two grooves of the linear rail its entire length. This will be made easier by ***slowly*** moving the pantograph all the way to the right to grease the left side and vice versa for the right side.



#### Y Linear Rails

1. Push the pantograph ***slowly*** to the back. Apply white grease (30) to the two grooves of the linear rails on both the left and right side of the machine.



2. Push the pantograph ***slowly*** to the front. Apply white grease (30) to the two grooves of the linear rails on both the left and right side of the machine.



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### *6 Month Maintenance*

#### **Greasing**

##### **Presser Foot Assembly**

1. Color change the machine to needle number 1.  
Apply black grease (BR2) to the grooves of the  
presser foot guide plate for the guide bracket and  
retracting lever as indicated by the arrows.

