BAS-416,416A,1210
BE-901,916,1201,1216

Maintenance Schedule

For Technical Assistance Please Call Toll Fre e 1-877-4BROTHER
Email: tsupport@brother.com
Website: http://www.brother-usa.com/industembroidery/tech_down.aspx

Perform all maintenance with the machine OFF

Daily Maintenance

Cleaning	Oiling
Rotary hook	**Rotary hook**

Cleaning — Rotary hook

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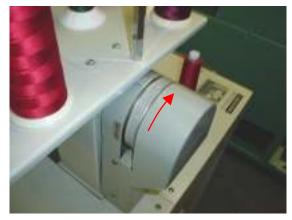

2. Insert bobbin case in to rotary hook. Make sure bobbin thread is not over 2 inches long. Close bobbin case cover.

Oiling — Rotary hook

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

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

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

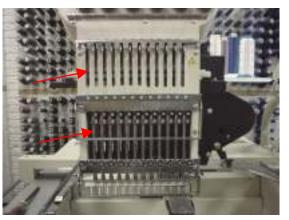# BAS-416,416A,1210
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Weekly Maintenance
Oiling

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

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.

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.

3. Replace cover.

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Monthly Maintenance
Cleaning

Knives	Control Box
1. Remove the two screws and remove the needle plate.	1. Use a brush to clean fan inlet and vents on sides control box.

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

3. Re-install needle plate.

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6 Month Maintenance
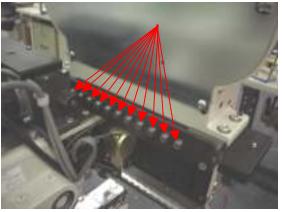### Greasing

Color Change Assembly	Color Change Linear Rail
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.	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.

Knob for changing colors manually. Some models will be on the other side.
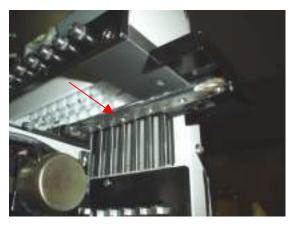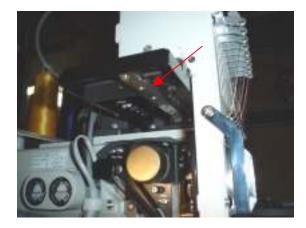

2. Apply black grease (BR2) to the roller bearings. Apply grease lightly since excess grease may contaminate the color change sensor on some models. Color change the machine to needle 1 to get to the last 3 to 4 roller bearings on the other side.

BROTHER EMBROIDERY SYSTEM

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6 Month Maintenance
Greasing

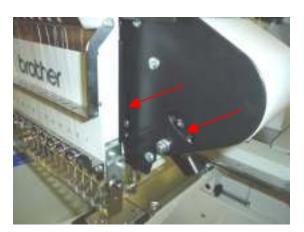| X Linear Rail	Y Linear Rails
1. Looking up underneath the pantograph you will see the X linear rail. 2. Apply white grease (30) to the two grooves of the linear rail its entire length. This will be made easier by *slowly* moving the pantograph all the way to the right to grease the left side and vice versa for the right side. 	1. Push the pantograph *slowly* to the back. Apply white grease (30) to the two grooves of the linear rails on boththe 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 boththe left and right side of the machine.

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6 Month Maintenance

Greasing	Oiling

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.
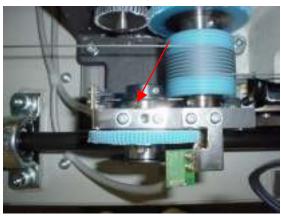

Oiling

X sensor eccentric bushing

1. Remove the 8 screws holding on the cover and remove.

2. Lubricate eccentric bushing with a few drops of oil to the slot as indicated by the arrow.

3. Install the cover.
Note: Make sure that the wires that run up to the control panel through the right had side of the cover are installed into the notch for them in the cover and not pinched by the cover.