# SEWING MACHINE CABINET

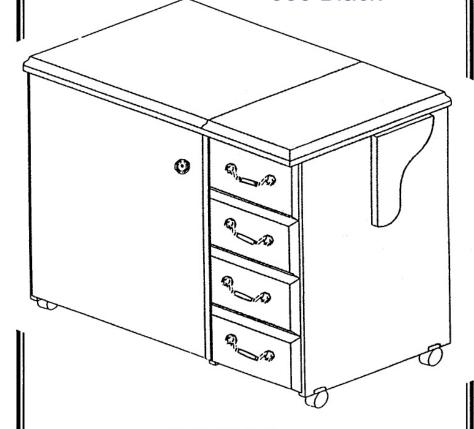
# **OWNER'S MANUAL**

Model Number 350 Oak

**351 White** 

352 Cherry

353 Black



- ASSEMBLY
- PARTS LIST

IMPORTANT: Read instructions before assembling. See our video assembly instructions: www.arrowcabinets.com/videos.php

### READ THIS PAGE FIRST

#### THANK YOU FOR YOUR PURCHASE OF AN ARROW SEWING CABINET!

As of January 1, 2012, Arrow cabinets have a 3 year warranty from the date of shipment that covers manufacturer's defects. Shipping damages are warrantied for 15 days with free shipping of replacement parts included.

To protect our valuable resources, we ship all replacement parts at the same time and one time only. Please inspect all boxes to report all damage at same time. After first report or first year, parts requests will be billed at customer's expense.

Warranty does not cover freight charges for defects noticed after the first year of use. Arrow will replace the parts but customer will be responsible for freight on these parts after the first year.

The warranty excludes damage caused by abuse, mis-use, alteration, poor assembly, accident, or neglect. The warranty does not cover damage as a result of moving the cabinet fully loaded or moving the cabinet with locked casters.

IF YOU HAVE QUESTIONS OR DAMAGED OR MISSING PARTS CALL ARROW AT 1-800-533-7347 OR EMAIL CS@ARROWCABINETS.COM

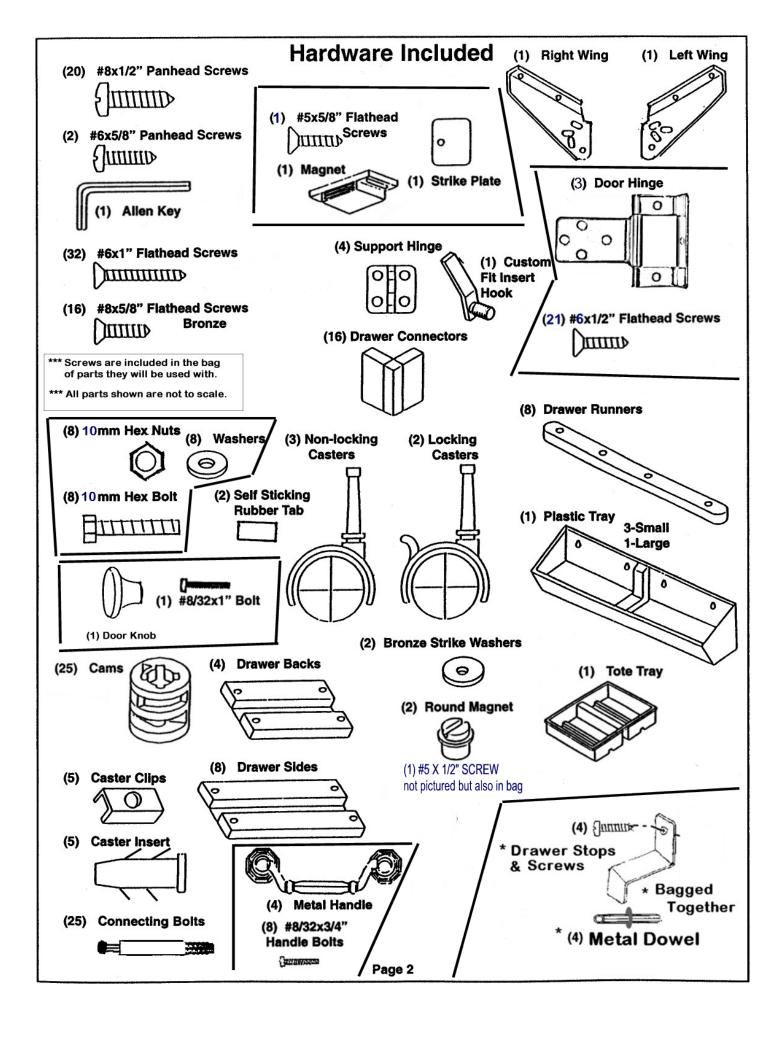
NEED MORE? CHECK OUT WWW.ARROWCABINETS.COM FOR ASSEMBLY VIDEOS, DEMO VIDEOS, PICTURES AND FREQUENTLY ASKED QUESTIONS

FOLLOW ARROW CABINETS ON FACEBOOK AND CHECK OUT OUR COOL CONTESTS!



MODEL 350 OAK 351 WHITE 352 CHERRY 353 BLACK





**Notice to Customer:** 

Before beginning assembly, remove all parts form the carton. Check closely with illustrations below to determine that all the parts are included.

For assembly or operating assistance, or to report any missing or damaged parts, you may call or write to:

1-800-533-7347

cs@arrowcabinets.com

Arrow Sewing Cabinets PO Box 307 Delavan, WI 53115 TO ORDER REPLACEMENT PARTS CALL 1-800-533-7347 PLEASE NOTE; To assure proper handling of replacement parts please include the following information:

Model Number of Unit -350 Oak

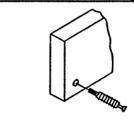
351 White 352 Cherry

**Production ID Number** 

353 Black **Number of Parts Required** 

Your Name, Address, and Phone Number

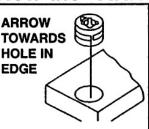
Understanding How the "ARROW-LOC" Cam Fastener Works.



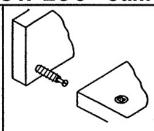
1. Position bolt in

turn until tight.

pre-drilled hole and



2. Press cam into pre-drilled hole until flush with surface.



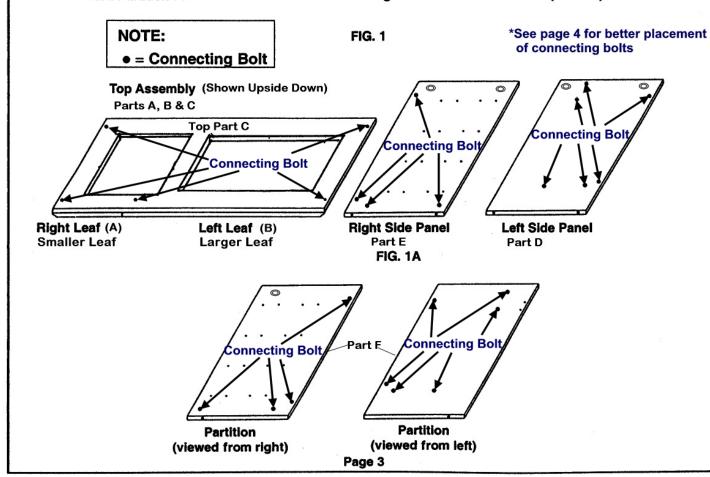
3. Insert bolt through pre-drilled hole in edge of panel.



4. To lock, rotate cam until tight, using allen key provided.

## Cabinet Assembly

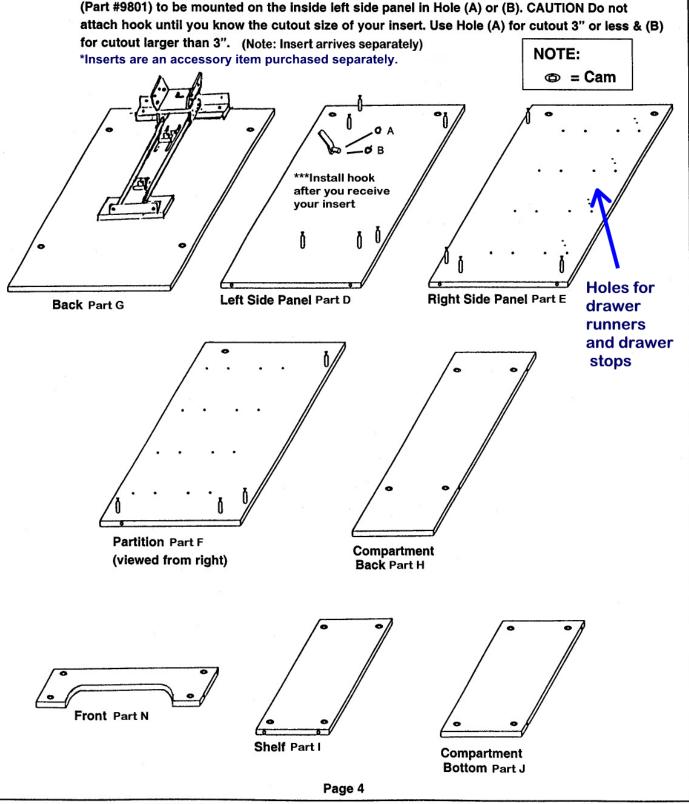
Step 1. Place Top (A, B & C), Partition (F) and Left and Right Sides (D & E) on a flat protected surface (to prevent scratching of parts) and thread connecting bolts (25 total) into pre-drilled holes (as shown in FIG. 1). Turn Partition (F) over and thread in the remaining bolts as indicated below (FIG. 1A).



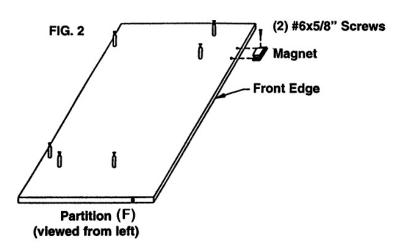
### Cabinet Assembly Continued:

Install Cams (25 total) into the holes provided in the cabinet parts shown below, pushing a cam into each hole until flush with the surface. The arrow on the Cams should be turned (using a regular screwdriver or Allen Key Provided) to face the hole in each edge where the Connecting Bolts will enter. See top of page 3 for installation of cams.

Step 2A. We are providing (1) white plastic hook to be used, to store your machine specific insert, (Part #9801) to be mounted on the inside left side panel in Hole (A) or (B). CAUTION Do not

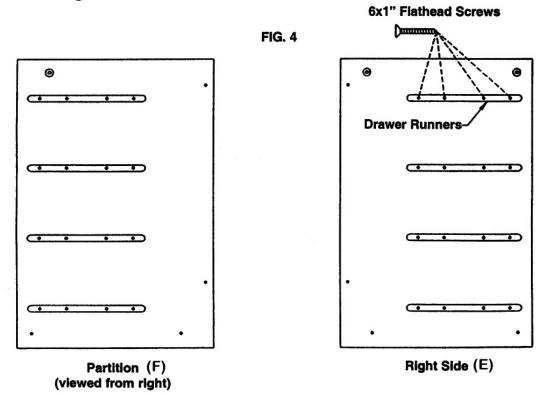


Step 3. Attach the Magnet to the Partition (F) by using (2) #6x5/8" Screws. Be sure to keep the magnet Strikes (metal) facing towards the front edge of the Partition (F) (as shown in FIG. 2.)



Step 4. Next, attach the plastic brown Drawer Runners by using (32) #6x1" Flathead Screws (as shown in FIG. 4).

DO NOT OVER TIGHTEN. If the brown plastic around the screw holes turns white, you have over tighten and the drawers won't fit!



Page 5

NEW ITEM.....To help prevent your drawers from completely pulling out, we have developed a drawer stop. Additional items have been included in your box and additional holes are in the right side panel that have not been previously identified.

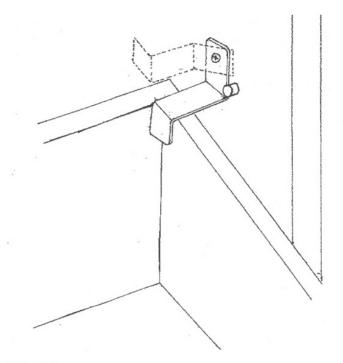
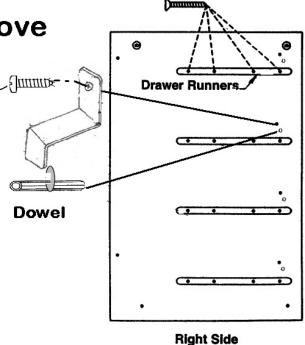


Fig. 5

Screw drawer stop (4) total into right side panel above drawer runners using

(1) #8 x 5/16"
panhead screw.
Insert (1) dowel
into pre-drilled
hole next to
drawer stops.

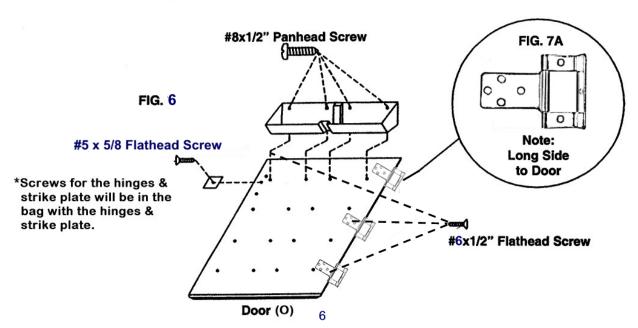


rigin Side

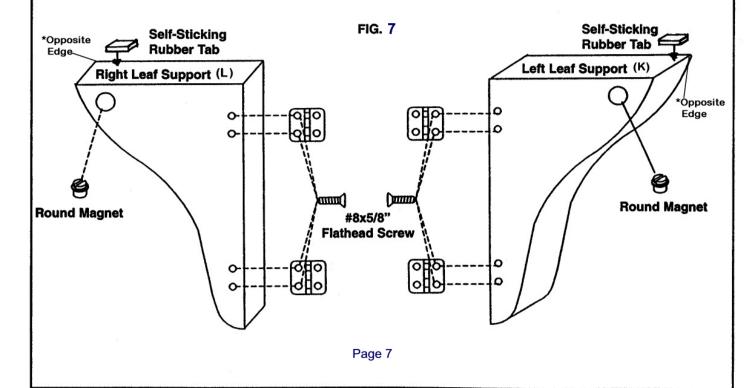
6x1" Flathead Screws

Step Attach the (4) plastic Trays to the Door (O) by inserting the (16) #8x1/2" Panhead Screws into the Door (O). The (3) smaller trays are mounted in the three top rows of predrilled holes, with larger tray mounted in bottom row. Attach Magnet Strike Plate with (1) #5x5/8" Flathead Screw.

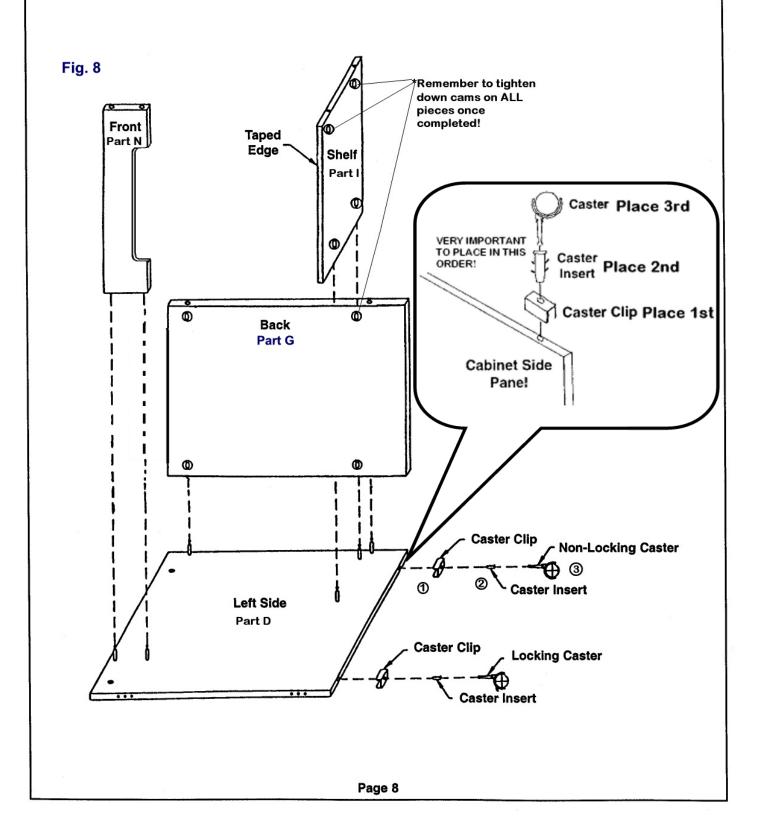
Attach (3) door hinges to Door (O) with (12)#6x1/2" Screws (as shown in FIGS. 7 AND 7A).

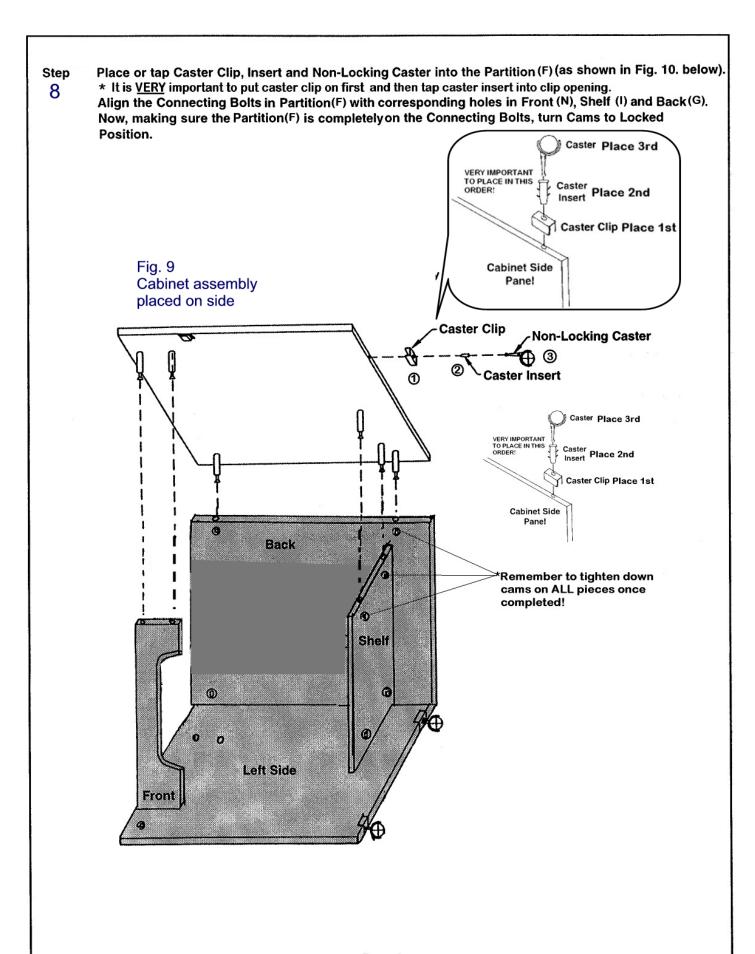


Step
Attach (4) Support Hinges to Left and Right Supports (L & K) with (8) #8x5/8" Flathead Screws; Insert (2)
Round Magnets into holes in Leaf Supports (L & K) (as shown in FIG. 8). Cover the magnet with a wood block and tap hard to get magnet in the hole. Attach rubber tabs to Leaf Supports (L & K), make sure and place tab on opposite edge from round magnet!

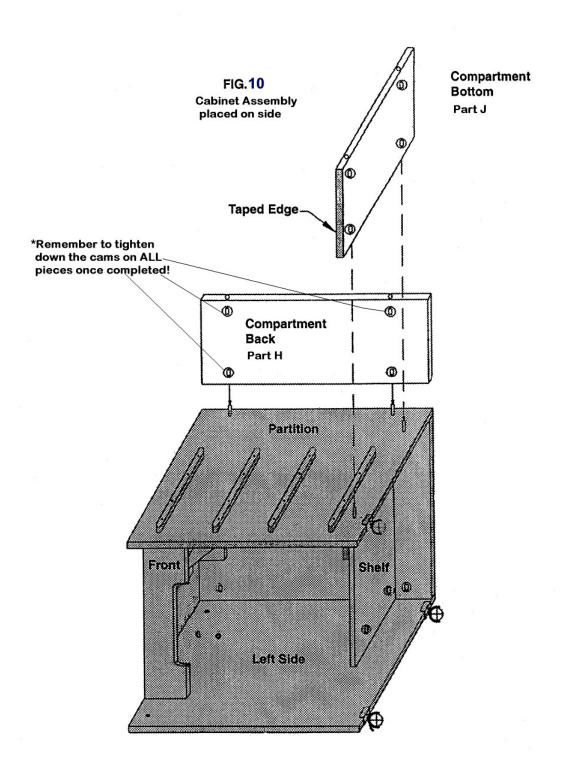


Place Caster Clips, Inserts, (1) Locking Caster, and (1) Non-Locking Caster into Left Side (D) (as shown in FIG. 9 below). It is important to put caster clip on first and then tap insert into caster clip opening. Attach Shelf (I) first to help support the Back (G) when placed on Left Side (D). Attach the Back (G) to Left Side (D) by guiding Back (G) onto Connecting Bolts in Left Side (D) (as shown in FIG. 9), turn Cams to the Locked Position. Attach Front (N) by guiding it onto the appropriate Bolts in the side, and turn the Cams to the Locked Position.



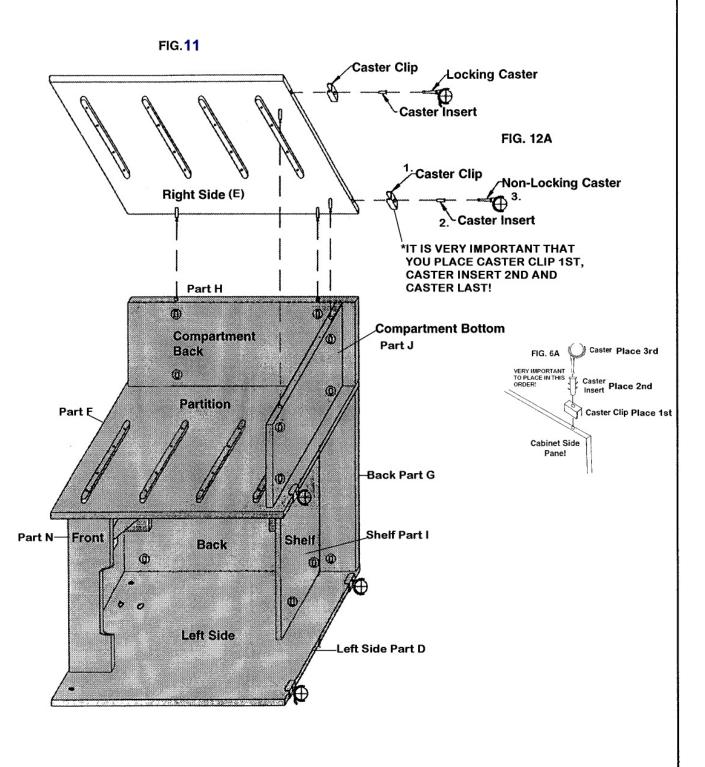


Step 9 Attach Compartment Bottom (J) and Compartment Back (H) to Partition (F) by guiding each piece onto Connecting Bolts in the Partition (F) (as shown in FIG. 11). Turn Cams to Locked Position.



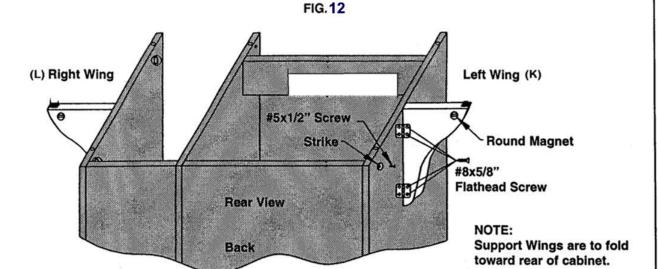
Step 10 Place or tap Caster Clips, Inserts, (1) Locking Caster, and (1) Non-Locking Caster into Right Side (E) (as shown in FIG. 12A below). Attach Right Side (E) by Aligning the Connecting Bolts in the Right Side to the holes in the Compartment Back (H) and the Compartment Bottom (J) (as shown in FIG.12). Turn Cams to Locked Position.

After completing Step 12, with an assistant, carefully turn the Cabinet upright onto the Casters. DO NOT lean the cabinet on the casters to turn over. The stress on the casters will cause them to break.

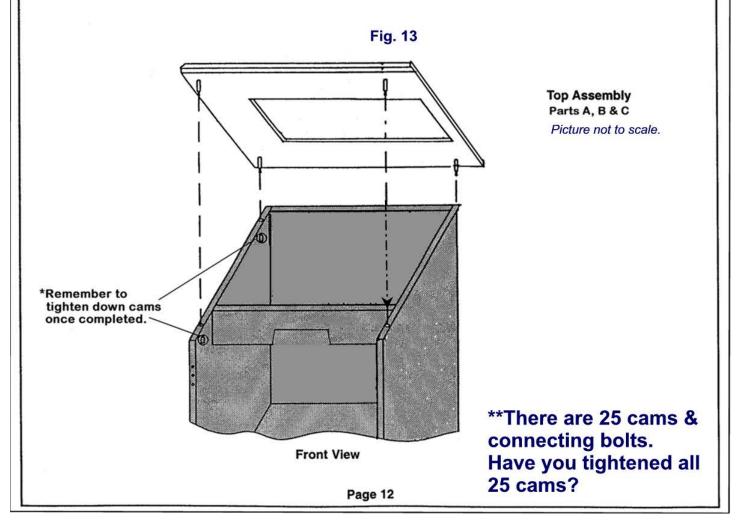


Page 11

Step 11 Attach the (2) Leaf Support Wings (L & K) to outside of Right and Left Sides (D & E), on right and one Left with (8) #8 x 5/8" Flathead Screws. Now, attach the (2) Bronze Strike Washers for the Round Magnet to each side (D & E) with (2) #5 x 1/2" Flathead Screws (as shown in FIG. 13).



Step12 With an assistant, grasp the Top and Leaves together (top assembly) Parts A, B & C and guide the Connecting Bolts into the corresponding holes in the Sides Parts E, D & F (as shown in FIG 13). Turn the Cams to the locking position.



Step 12: Once Top Assembly (A, B, C) is on securely, with 2 people CAREFULLY flip the cabinet on its back, as shown in FIG. 14A Once the cabinet is on its back, open both leaves as shown in FIG 14B. Make sure the area you are using is clean from debris, so you do not scratch the veneer on cabinet when flipping it.





FIG. 14A FIG. 14B

With 2 people CAREFULLY support the leaves and tip the cabinet over on its top, as shown in FIG. 14C & 14D.



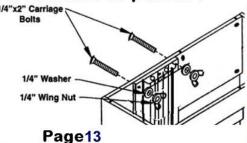


FIG. 14C FIG. 14D

Step 13 Attach Lift Panel (L) with airlift on upside down as shown in FIG.15. Using the 4 Carriage Bolts attach lift panel to the Back(H)

and the Back Brace (I), poke Carriage bolts through pre-drilled holes in panels.

To tighten bolts add the washer and wing nut to all bolts. Tighten down using a wrench.





Step14 Once the Lift Panel (L) with airlift are securely attached with all 4 Carriage Bolts to the Back(H) and Back Brace (I), attach the airlift to the Top (B) by screwing the (2)# 8 x 1" panhead screws to the Top Panel (B) as shown in FIG 16.

Note: There are no pre-drilled holes to screw the 2 silver or black #8 x 1" screws into the metal holes on the lift. You can either drill a small hole to help get the screws started or use a power screwdriver. Using a manual screwdriver may be too difficult.



The opening you set your sewing machine on in the cabinet is quite large.

The opening allows the cabinet to accommodate larger sewing machines, but makes it difficult to level the platform you set your machine on.

The following instructions will help you level the Platform (M). You will need the styrofoam from the box, a sheet of cardboard from the box & a 10 mm wrench and an adjustable socket wrench.



Styrofoam from box



Cardboard from Box



10 mm wrench & an Adjustable wrench

Step 15: Slightly lift the cabinet and place the Platform (M) under the top. Cut out on Platform will face the back under the airlift, as shown in FIG. 17.

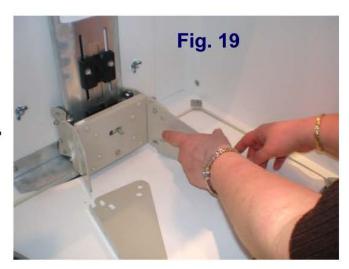


**FIG.17** 

Step 16 Place 5/8" styrofoam from the box contents under the Top at the back of the unit, as shown in Fig. 18

Step 17 Take metal wings and attach them to the airlift carriage using the (8)10 mm hex nut bolts, 4 bolts per wing. Attach the bolts on loosely, as you will tighten them down in a later step. The metal wings are placed on the inside of the airlift carriage flanges facing outward, as shown in FIG 19. Once complete remove styrofoam from back of cabinet. (Fig. 18)





# Step 18

Cut cardboard sheet from box contents into 6-8 strips of 6" long x 2" wide strips. If the cardboard is too thick use an envelope folded in half. Fig. 20



Step 21 Place cardboard strips around the Platform (M) to keep the Platform square, as shown in FIG. 21. Make sure the Platform has clearance on all sides. If cardboard is too thick use envelopes folded in half.



Step 22 Attach the metal left and right wings to the Platform using (4) large silver #8 x5/8" screws. The long flanges facing outward & toward the edge of the Platform. Place screws in pre-drilled holes on metal wings and Platform.



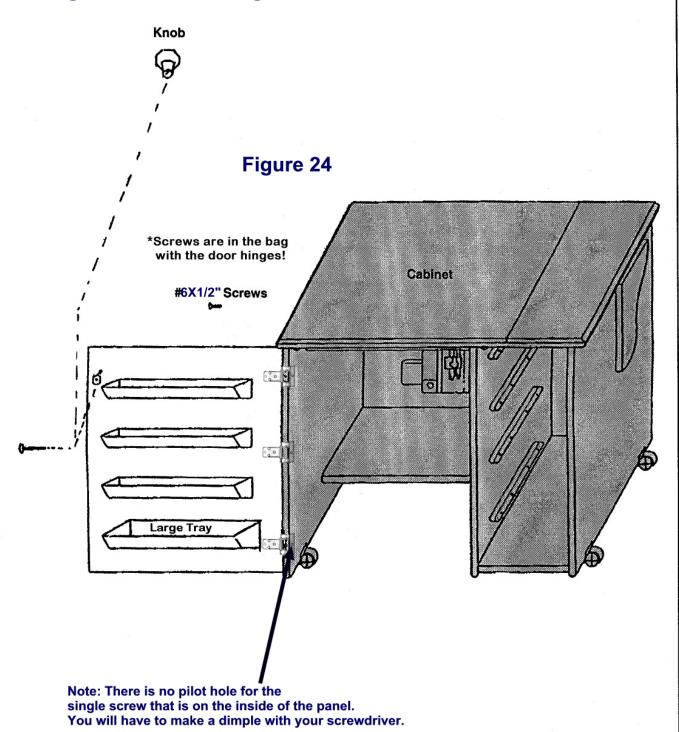
Step 23 Using 2 people, a 10mm wrench and an adjustable wrench tighten down the (8) hex nut bolts on the metal wings and airlift carriage. To prevent the Platform (M) from rising up as it is being tightened, have the second person stand on the platform while another tightens the (8) hex nut bolts down. The even pressure applied will help the platform to not rise up. Make sure the cabinet is on a level sewing surface. See Fig. 23.



# Step 24

Using 2 people CAREFULLY lift and turn the cabinet right side up placing the unit on the 5 casters. Be careful not to lean the cabinet weight on the casters to avoid damage.

Step 25 Door (O) maybe hung using (9) #6 x 1/2" Flathead screws as shown in Figure 24 below. Next attach Door Knob using bolt located in bag with knob.



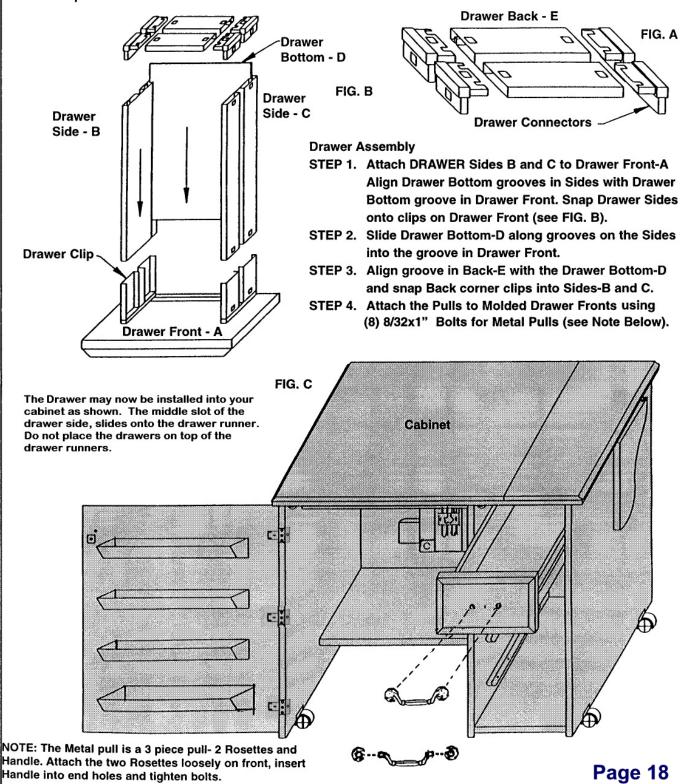
#### PLEASE NOTE:

BE SURE TO KEEP GROVES IN DRAWER PARTS (FOR DRAWER BOTTOM) ALIGNED WHEN ASSEMBLING THE DRAWER.

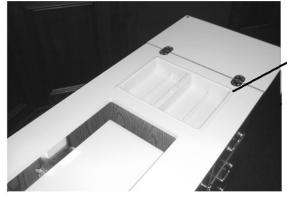
Watch drawer assembly video at www.arrowcabinets.com

#### Assembling the Drawer

Begin Drawer assembly by inserting Drawer Connectors into the ends of the (4) Drawer Backs, (as shown in FIG. A). Push Connectors all the way into the Drawer Backs until the tabs lock into place.



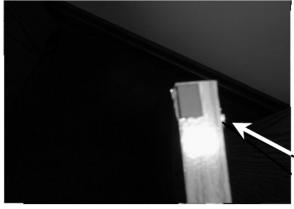
# **Finishing Norma Jean Assembly**



Tote Tray Placement in Cabinet Top.



Leaf Supports should be used at all times when leaves are open



Correct placement of rubber tab on leaf support. Opposite edge from round magnet.

Round Magnet



Quilt Leaves are available for this cabinet. They create an additional 5 square feet behind the cabinet.

Your platform located in the cabinet can be drilled to accommodate the mounting of a sewing machine to it. It is NOT our recommendation to mount or bolt your sewing machine down for the Air-Lift mechanism to work. The Air-Lift mechanism will still work even if the sewing machine is not bolted down.

If however, you want to mount/bolt your sewing machine down to the platform, you MUST wait until you receive your machine specific insert. Once you receive your machine specific insert, move your machine on the platform to allow the insert to fit around the machine.

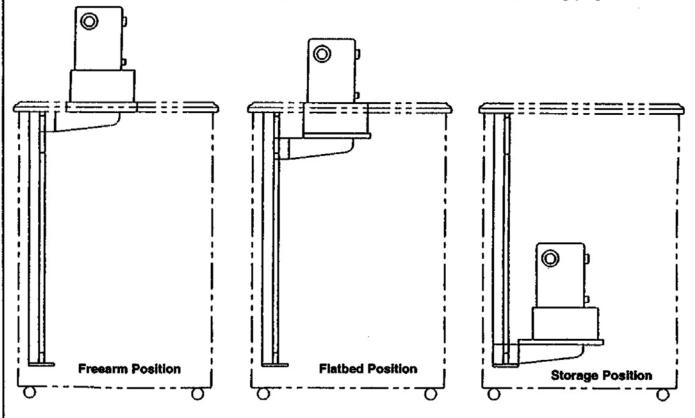
Once the insert fits around the machine, you can mount/bolt the machine down. You will need to purchase mounting bolts for your sewing machine from your local dealer or the manufacture of your machine. Place the bolts in the bottom of your sewing machine and mark the bottom of the bolt with lipstick or a marker. Place the machine with the bolts hanging down and the insert in place on the platform in the preferred position.

### **CAUTION:**

This cabinet is equipped with a vertical Air-Lift Mechanism which is powered by gas filled cylinder to aid in raising and lowering the sewing machine.

Because gas filled cylinder is heavy duty do not let go of machine and platform when moving from one position to the other.

To move the Platform to any position please follow the instructions on following page.



### Adjusting the Platform Height for the Flatbed

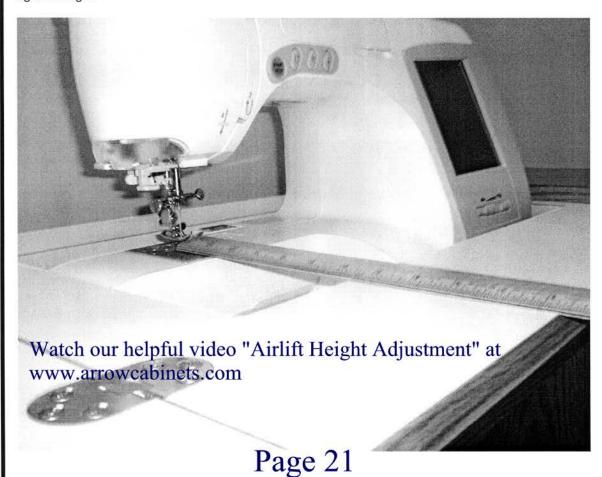
The Air Lift has 3 positions for your sewing machine: storage, flatbed and freearm. The flatbed position is the second position on the Air Lift and is the position most sewers will sew in. The tip of the needle on your sewing machine should be level with the edge of the cabinet for proper positioning in the flatbed position as seen in the below picture. If your needle is sitting too far down in the cabinet or too far above the edge of the cabinet you will need to adjust your Air Lift.

Follow these simply instructions for adjustment of your Air Lift:

- 1. Place your sewing machine on the platform inside the cabinet.
- 2. Place the Air lift mechanism in the top position or freearm position.
- 3. Tuck your head under the cabinet looking at the Air Lift Mechanism.
- 4. You will notice the Air Lift has 3 black square boxes on it. The middle black square box has a scale behind it.
- 5. Go to the middle black square box and loosen the 2 silver hex nuts using an 8 mm wrench.
- Move the platform where your sewing machine is sitting down to the desired flatbed position. Remember the tip of the needle should be level with the edge of the cabinet.
- Once you have the desired position look under the cabinet at the scale to see what mark the scale is at.
- 8. Move the platform back to the top position or freearm position.
- 9. Move the black square box to the correct number on the scale and re-tighten down the hex nuts using an 8 mm wrench

### \*The adjustment may take 2 or 3 times before it is right.

If the platform returns to its original flatbed position you have not tightened the hex nuts down tight enough.



### How To Work the Air Lift Mechanism

The Air Lift has 3 positions for your sewing machine: storage, flatbed and freearm.

Follow these simple instructions to move the Air Lift into the 3 Different Positions:

- Once your cabinet is fully assembled you can begin moving the Air Lift
- 2) To activate the mechanism for the first time <u>open the door</u> on the cabinet and push down with 2 hands on the platform and release, as shown below in pictures 1 and 2.
- 3) The top position known as the freearm position usually takes 2 small pushes to activate. The freearm position has more resistance then the other two positions.
- 4) Once you are comfortable moving the platform up and down into the 3 positions place your sewing machine on the platform.
- 5) Before moving the platform with your sewing machine on it, check to see that your machine is sitting centered on the platform and will not hit the sides of the cabinet as it moves up and down in the cabinet.
- 6) Push down on your sewing machine sitting in the cabinet to activate the Air Lift, as shown below in picture 3.
- 7) Heavier machines (20 pounds or more) may move slower then other lightweight machines and may need assistance as they move into the top positions. Heavier machines may require you to lift slightly on the platform for machine to lock the Air Lift into position.

For a demonstration, watch our video "How Airlift Works" at www.arrowcabinets.com



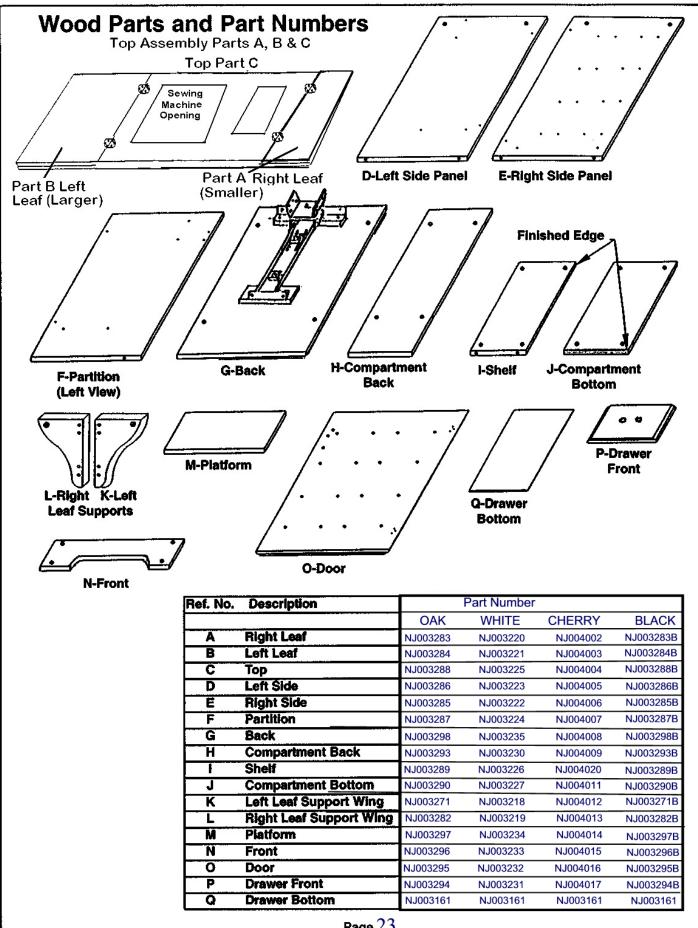
Picture 1



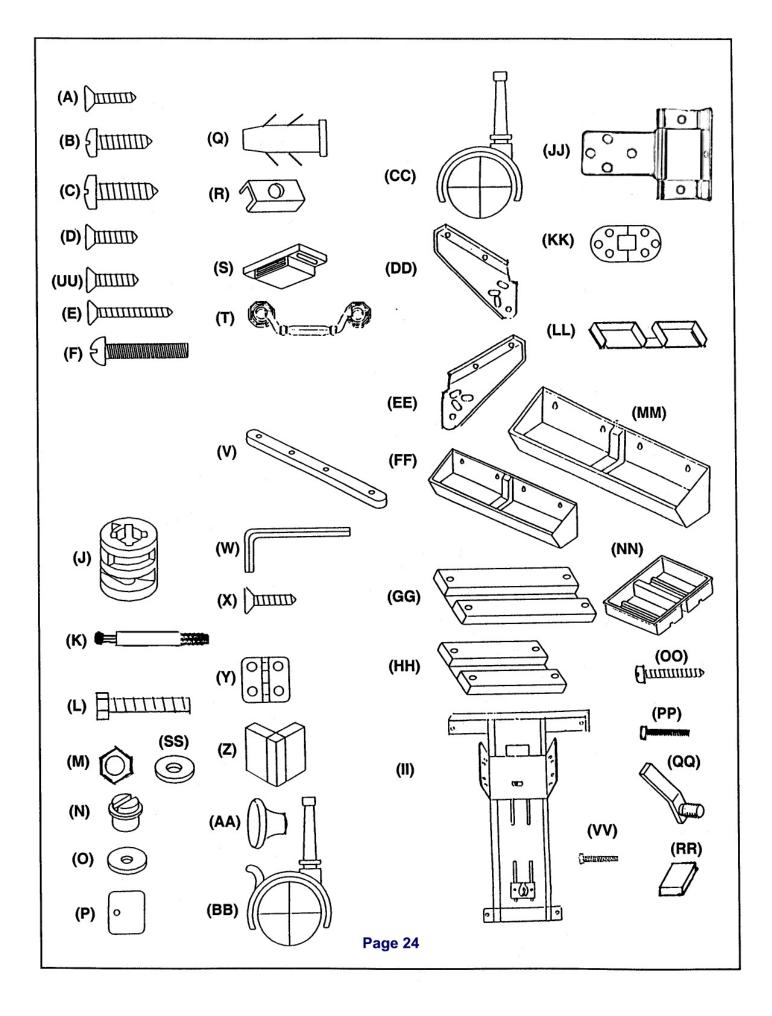
Picture 2



Picture 3



Page 23



# **Part Numbers**

### Hardware for Norma Jean Model 350/ 351/ 352/ 353

Ref. No.		Part No.
Α	#5x1/2" Flathead Screws	000916
В	#6x5/8" Panhead Screws	000083
С	#8x1/2" Panhead Screws	002614
D	#8x5/8" Flathead Screws Bronze	002570
E	#6x1" Flathead Screws	001325
F	7/8" Knob Bolt (301)	000185
G	Head Mounting Bolt	002890
Н	Wing Nut	000488
ı	Zinc Flat Washer	000220
J	19mm Cams	000709
K	Connecting Bolts	002892
L	10 mm Hex Head Bolt	003175
M	10 mm Hex Nut	003176
N	Round Magnet	002854
0	Bronze Strike Washer	000839
Р	Strike Plate	002192
Q	Caster Insert	000368
R	Caster Clip	000324
S	Magnet	001644
T	Handle Gold for 350 & 352	003169
U	Handle Silver for 351 / 353	003145
٧	Drawer Runner	002397
W	Allen Key	000712
Х	#5x5/8" Flathead Screws	003172
Y	Hinge (Leaf Support)	002734
Z	Drawer Corner Connectors	003142
AA	Hardware Bag Oak	003180-OC
BB	Hardware Bag White	003180-W
	`	

Ref. No.	Description	Part No.
AA	Knob Silver for 351/353	003165
AA	Knob Gold For 350 & 352	003170
BB	Locking Caster	001135
CC	Non-Locking Caster	001136
DD	Right Wing	003193
EE	Left Wing	003194
FF	Plastic Tray	003146
GG	Drawer Side	003140
HH	Drawer Back	003152
11	Lift Mechanism	003167 B
JJ	Door Hinge	002730
KK	Leaf Hinge	002733
LL	Drawer Front Clip	003138
MM	Large Tray	003158
NN	Tote Tray	002869
00	#6x1" Panhead Handle Screw (301)	003177
PP	#8/32x1" Knob Bolt (300-302)	003192
QQ	Custom Fit Insert Hook	002251
RR	Self Sticking Rubber Tab	003174
SS	6mm Lift-Wing Washer	003190
П	Manual See note below*	NJ003149A
UU	#8x5/8" Leaf Hinge Screws Yellow	003173
VV	#8/32x3/4" Metal Handle Bolt ( 300-302)	003191

<sup>\*</sup> Downloadable PDF manual available on www.arrowcabinets.com under Manuals Tab

### Frequently Asked Questions About Sewing Cabinets

- Q: Is the platform that I set my sewing machine on in the Norma Jean Model 350, 351, 352 adjustable?
- A: Yes, just loosen up the two bolts on the middle black square bracket with the scale located on the airlift mechanism and either raise the platform up or down. To tighten the bolts down use an 8 mm wrench. If the platform returns to the same position the bolts are not tighten down enough. Watch "Airlift Height Adjustment" at www.arrowcabinets.com
- Q: The drawers on the 350 series cabinets don't fit, why?
- A: Loosen the screws on the drawer runners. If your drawer runners are turning white by the screw holes, you have tightened the runners down too tightly causing them to bow. Your drawer will not fit in the cabinet with bowed out runners.
- Q: There does not seem to be holes for my drawer runners on the right side piece or the partition piece for my cabinet model 350 series, what do I do?
- A: The drawer runner holes are very small and hard to see often. To make sure you have holes run your hand up and down the panels before calling the parts department.
- Q: Do I need to bolt my sewing machine down to the platform in the cabinet for the airlift mechanism to work properly?
- A: No. It is not necessary to mount your sewing machine down. The Air-Lift will work with or without the sewing machine being mounted down. We recommend that no sewing machine should be bolted down.
- Q: My rubber bumpers keep falling off my leaf supports, what do I do?
- A: The rubber bumpers should always go on the outside edge of the leaf supports. If you need new bumpers call 1-800-533-7347. To clean the surface of the leaf support before putting new bumpers on it, use a product like Goo Gone followed with window cleaner.
- Q: How do I know if I am missing parts for my cabinet?
- A: Make sure have received the right number of boxes from Fed Ex or UPS. Norma Jean come in 3 boxes. Sometimes deliveries are split up and boxes will arrive on different days. If you are missing boxes or parts, please call our toll-free line: 1-800-533-7347. The customer service line is open Monday through Friday 8:00 to 5:00 Central Standard time.
- Q: My cabinet did not come with an insert listed as part number 9801, why?
- A: The insert is a special order piece made to the dimensions of the sewing cabinet opening and the brand name/ model number of your sewing machine. The machine specific insert is not a stocked item, so the insert will ship separately from the cabinet. For further questions on machine specific inserts please call 1-800-533-7347.

For more help and demonstrations, visit www.arrowcabinets.com Video section

### Frequently Asked Questions About Sewing Cabinets (cont.)

- Q: The platform my sewing machine is on is not level, what do I do?
- A: Loosen up the 6mm hex nuts and bolts located underneath the platform on the steel wings. Once the platform is loosened adjust the platform to the level you want and begin tightening the bolts back down. For best results use two 10mm wrench on both sides of the bolt and a level.
- Q: My platform won't go down because it keeps hitting the 2 bolts located on the black square box located on the Air-Lift mechanism, what do I do?
- A: Loosen the 4#8 x 1/2 " screws located underneath the platform on the steel wings and pull the platform slightly forward. The platform will only move a few centimeters, but it will be enough to clear the bolts in the back. Remember to tighten the screws back down.
- Q: My Air-Lift mechanism seems stiff and won't lift my machine all the way up, why?
- **A:** The Air-Lift mechanism does not do all of the lifting; it assists you in lifting the machine. You must lift or press on the machine.

Arrow Sewing Cabinets PO Box 301 Delavan, WI 53115

1-800-533-7347

E-Mail:

cs@arrowcabinets.com

Website:

www.arrowcabinets.com

03-14