Watkins Wellness®

INSTALLATION

Of your **COVER CRADLE®**

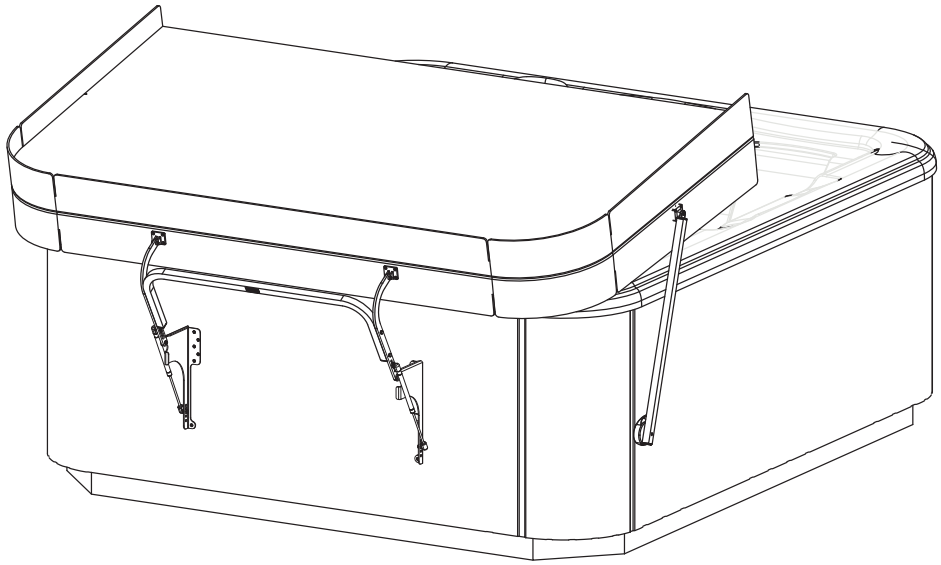


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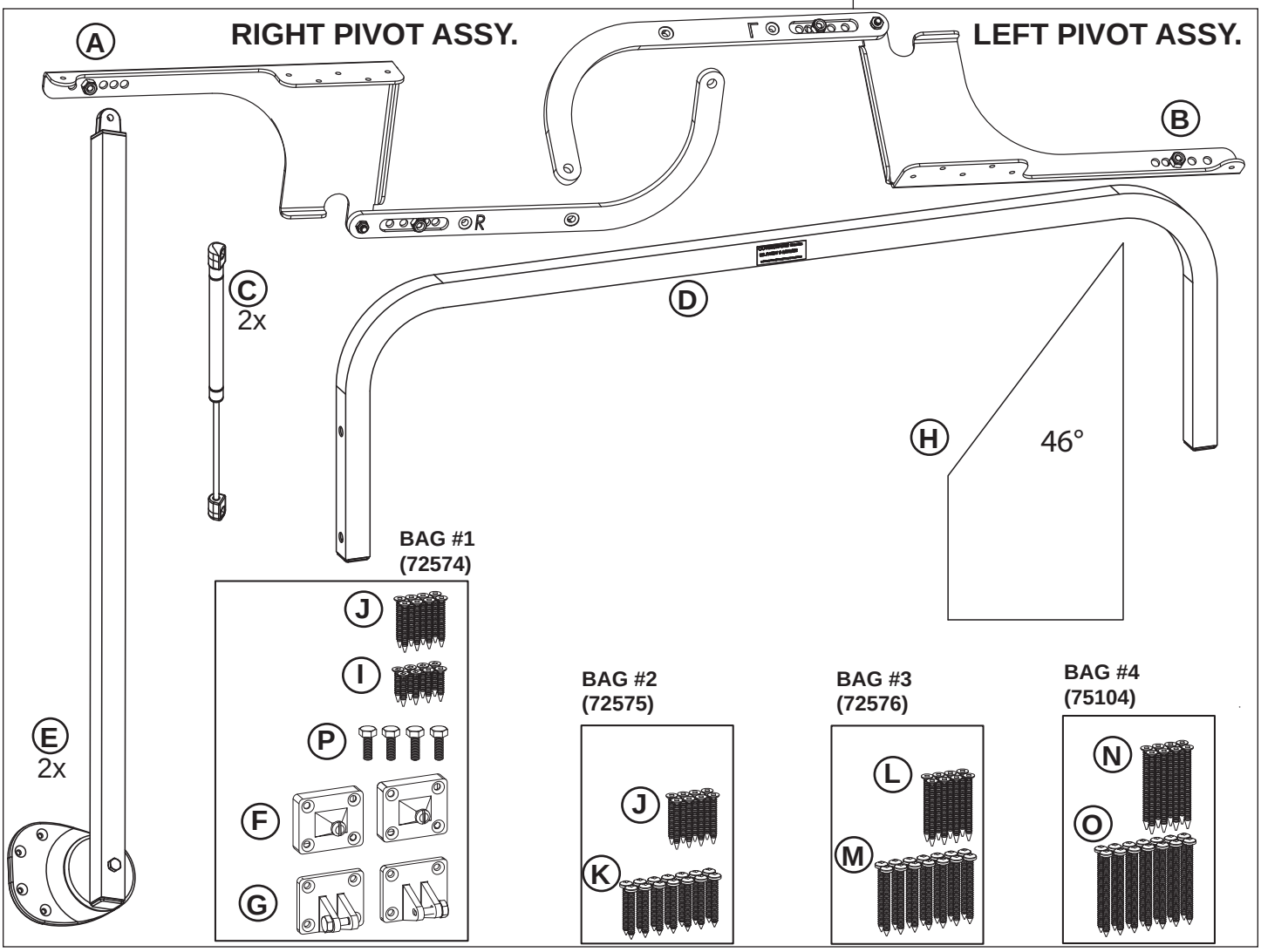
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INTENDED USE IN KIT # 72577

INSTALLATION REQUIREMENTS

KIT INCLUDES



PART	QUANTITY	DESCRIPTION	PART	QUANTITY	DESCRIPTION
A	1	Pivot Assembly, Right	I	8	#10 x 1" Square Flat Head (Bag 1)
B	1	Pivot Assembly, Left	J	8/8	#10 X 1½" Square Flat Head (Bag 1&2)
C	2	Gas Spring	K	12	#10 X 1½" Square Pan Head (Bag 2)
D	1	Crosslink Assembly	L	8	#10 X 2" Square Flat Head (Bag 3)
E	2	Side Arm Assembly	M	12	#10 X 2" Square Pan Head (Bag 3)
F	2	Side Hinge with Screw (Bag 1)	N	8	#10 X 2½" Square Flat Head (Bag 4)
G	2	Back Hinge with Screw (Bag 1)	O	12	#10 X 2½" Square Pan Head (Bag 4)
H	1	Template 46°	P	4	¼-20 x¾" Hex Bolt (Bag 1)

INSTALLATION REQUIREMENTS

TOOLS REQUIRED

Cordless Drill	Flat Head Screwdriver	7/16” Socket with Ratchet	#2 Square Drive Bit
			
1/8” Drill Bit	Fine Tip Marker	1/2” Wrench	Safety Glasses
			

IMPORTANT INFORMATION

- **One Technician is recommended for this installation.**
- Read all of the instructions thoroughly before performing this installation.
- There must be a minimum of 30” clearance between the wall and the retracting side of the spa for cover to operate properly and 4” on each side for Side Arm clearance.
- The Warning Label on the cover is always the front of the cover; the lifter will attach on either the back side of the spa or the left side of spa depending on cover configuration.
- The cover side with the Warning Label will always fold over to the side without the Warning Label.
- To ensure that the cover seals correctly, the spa must be level.
- Use screws in bag #2 on spas with non-removable panels.
- Use screws in bag #3 on spas with removable panels.
- Use screws in bag #4 on panels of spas with metal or plastic frames.

COVER CRADLE INSTALLATION PREPARATION

STEP 1 INSTALL PREPARATION

- Refer to (Figure 1.1) for the Left and Right cover lifter set orientation for (Front to Back) cover configuration:
  - On a (Front to Back) cover configuration, the Left and Right cover lifter set will attach on back side of spa (Figure 1.1).
  - The cover will fold toward the back side of spa.
- Refer to (Figure 1.2) for the Left and Right cover lifter set orientation for (Side to Side) cover configuration:
  - On a (Side to Side) cover configuration, the Left and Right cover lifter set will attach on left side of spa (Figure 1.2).
  - The cover will fold toward the left side of spa.
- Align the cover:
  - Position the cover evenly on all spa sides See (Figure 1.3).

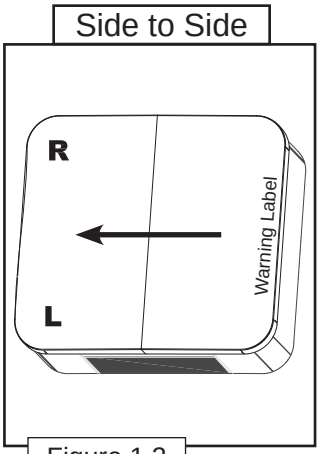


Figure 1.2

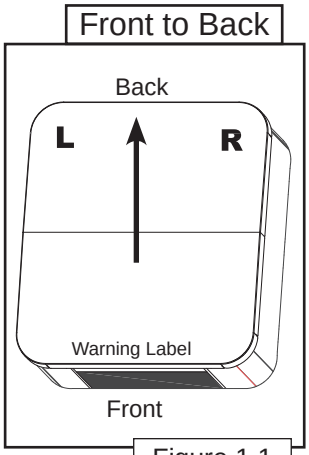


Figure 1.1

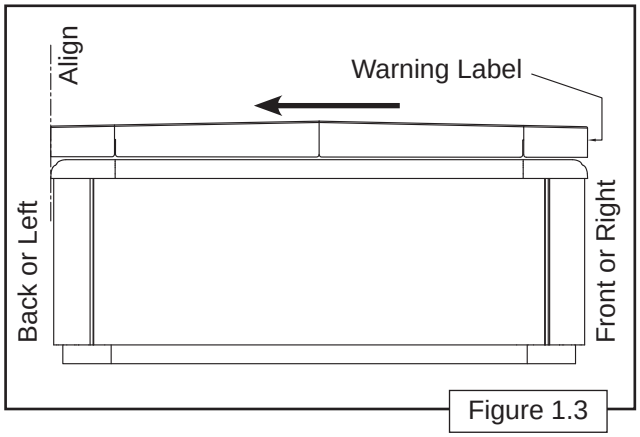


Figure 1.3

NOTE **The cover warning label must be facing the front of the spa on (Front to Back) configuration or the right side of spa on (Side to Side) configuration (Figure 1.1 and 1.2)**

STEP 2 LOCATE PLATES

Every Watkins cover has 6 aluminum plates installed into the foam core hidden beneath the vinyl on 3 sides of the cover. There are two plates on the opposite side of the Warning Label and two on each side of the cover (Figure 1.4).

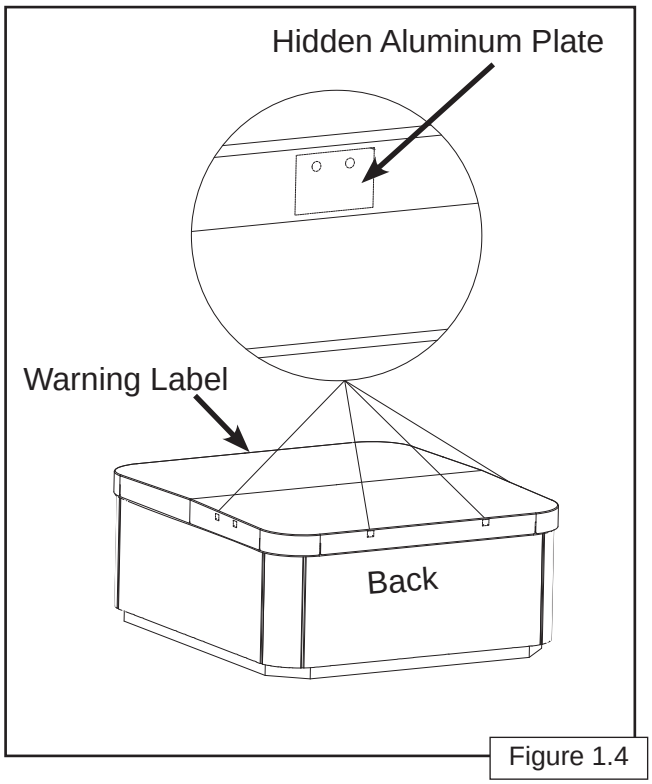


Figure 1.4

Only the hidden aluminum plate closest to the middle of the cover on each side is used for this cover lifter as well as the two plates in the back opposite the Warning Label.
There are two predrilled holes on the top of each plate. Feel around the side of the cover to find the holes in the plates. Use a fine tip marker to mark the center of the hole for each of the four plates that will be used (Figure 1.4).

COVER CRADLE INSTALLATION

STEP 1 ATTACH BACK HINGES

1. Locate Bag #1, some of the contents will be used to fasten the Rear Hinges.

REAR HINGES:

2. Line up the top Rear Hinge(G) holes (Figure 2.1) with 2 of the marked holes on the back side of the cover. Using the cordless drill and square drive bit fasten the Rear Hinge(G) to the cover by using two of the #10 x 1"square (I) Flat Head screws on the top (marked) holes first. Using the 1/8" drill bit and the bottom two holes of the Rear Hinge(G), drill through the hidden aluminum plate followed by inserting two more of the same screws in the bottom holes. Repeat procedure for second Rear Hinge.

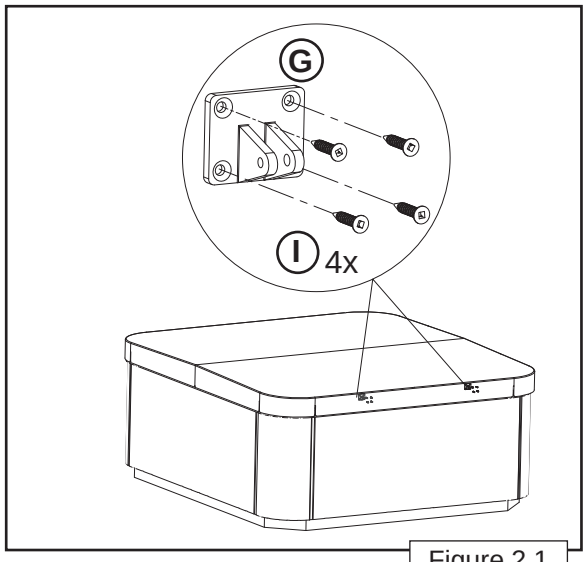


Figure 2.1

STEP 2 ATTACH SIDE HINGES

1. Locate Bag #1, some of the contents will be used to fasten the Side Hinges.

SIDE HINGES:

2. Line up the top Side Hinge(F) holes (Figure 2.2) with 2 of the marked holes on one side of the cover.

3. Using the cordless drill and square drive bit fasten the Side Hinge to the cover by using two of the #10 x 1½"square (J) Flat Head screws on the top (marked) holes first.

4. Using the 1/8" drill bit and the bottom two holes of the Side Hinge, drill through the hidden aluminum plate followed by inserting two more of the same screws in the bottom holes. Repeat procedure for Side Hinge on opposite side of the cover.

Repeat procedure for Side Hinge on opposite side of the cover.

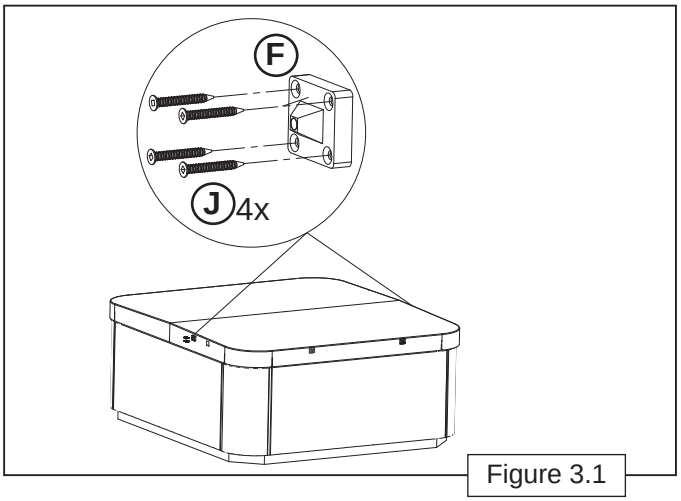


Figure 3.1

STEP 3 ASSEMBLE CROSSLINK

1. Locate the Right & Left Pivot Assemblies, Crosslink and (4) ¼"-20 Hex Bolts (Figure 4.1).

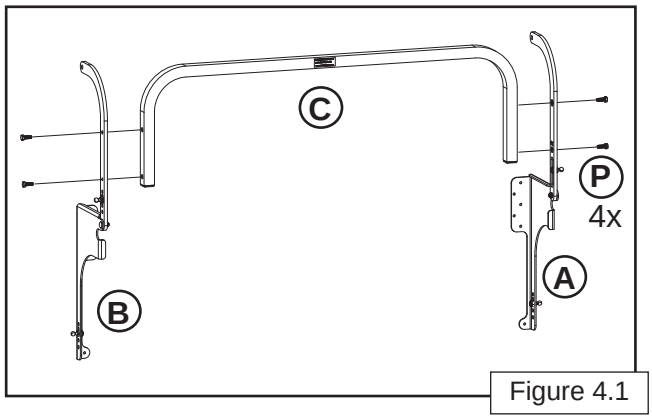


Figure 4.1

2. Orient (Figure 4.1) on floor and attach A and B to C using (4) ¼"-20 Hex Bolts (P).

COVER CRADLE INSTALLATION

STEP 4 ATTACH CROSSLINK ASSY

1. Unscrew Pan Head Screws attached to the Rear Hinges (G) (Figure 5.1).

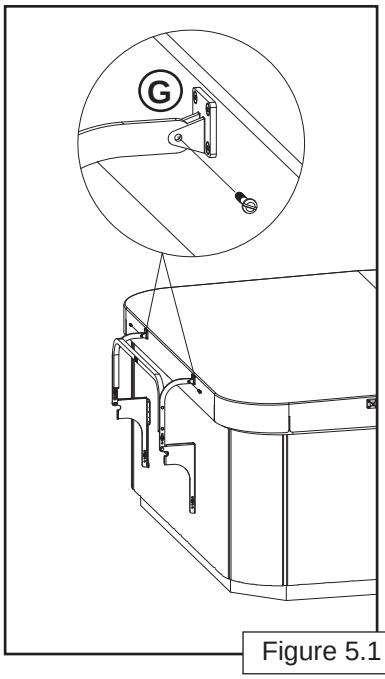


Figure 5.1

2. Align both Pivot Assemblies (attached to the Crosslink assembly) inside the Rear Hinges and fasten using the two Pan Head Screws (Figure 5.1).

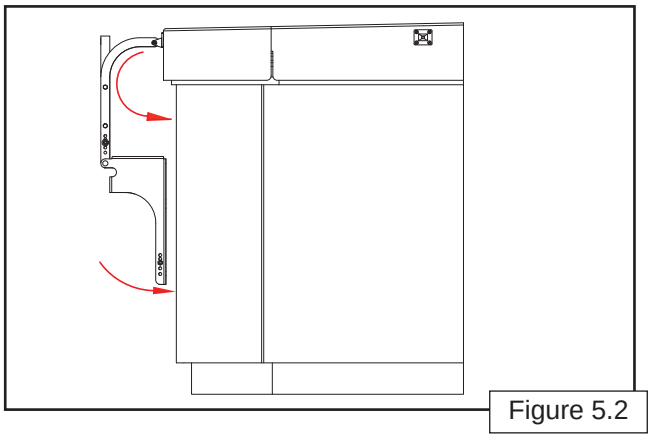


Figure 5.2

3. Rotate Pivot Assemblies until the bottom (Mounting Bracket) touch the side of the spa (Figure 5.2).

IMPORTANT: Carefully examine cover to be sure it is still aligned evenly with the outside edges of the spa bar top (Figure 1.3).

4. Using the Mounting Bracket (bottom part of the Pivot Assembly as a template, predrill 1/8” holes into the back of the spa (Figure 5.3) with ½” max. depth. There are (6) holes per Mounting Bracket.

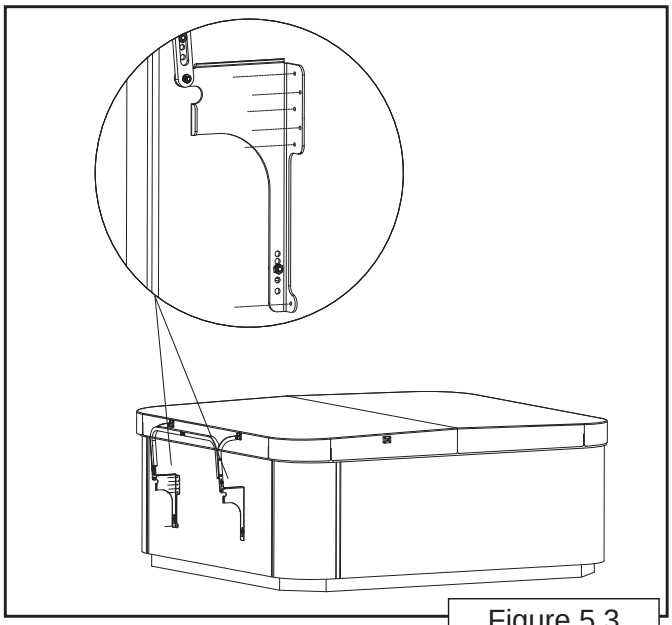
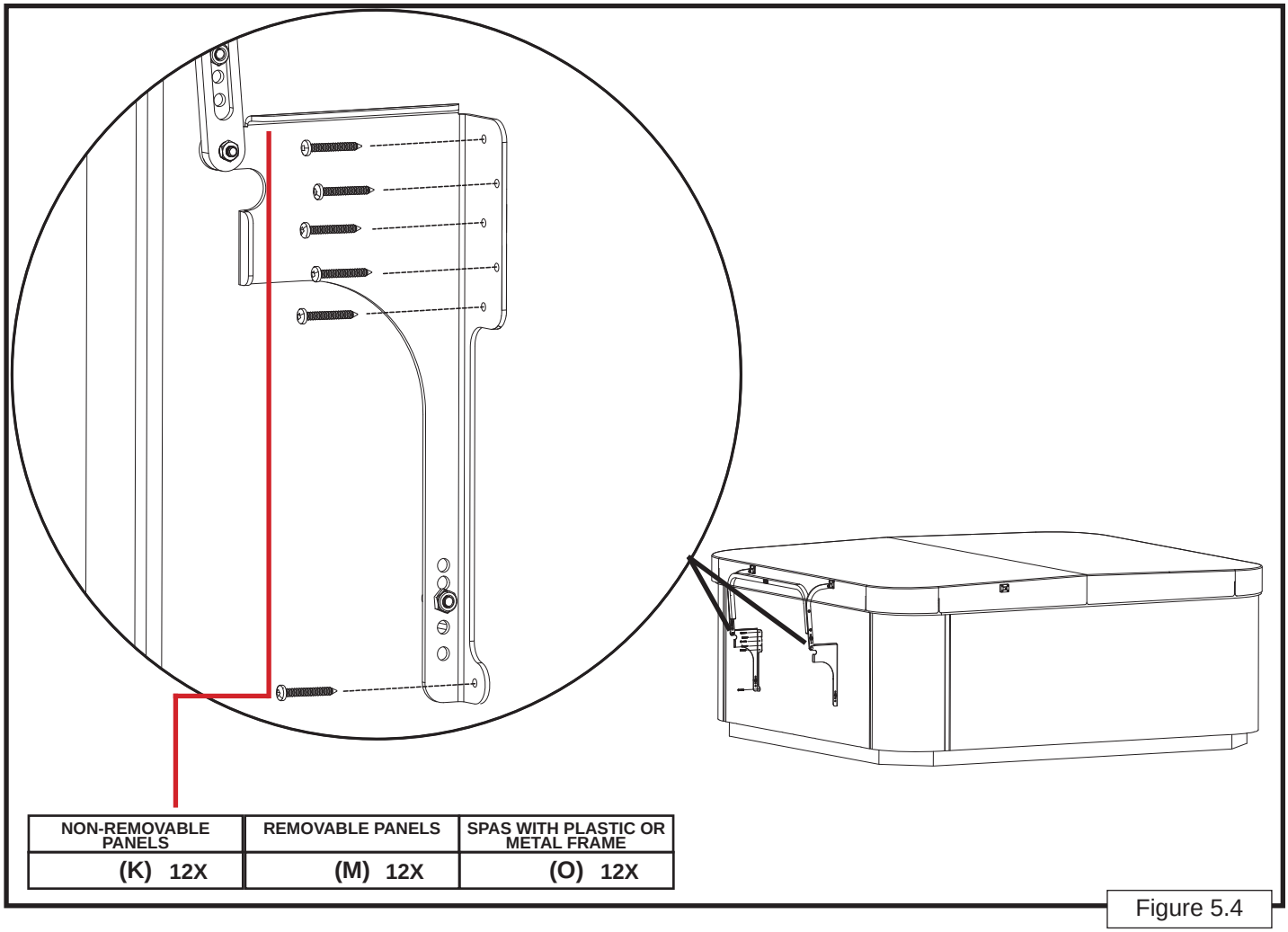


Figure 5.3

NOTE Use the appropriate size screws to secure the Mounting Brackets. Please use (Figure 5.4) and information on **Page 6** of this document to determine the correct screw size.

COVER CRADLE INSTALLATION



NON-REMOVABLE PANELS	REMOVABLE PANELS	SPAS WITH PLASTIC OR METAL FRAME
(K) 12X	(M) 12X	(O) 12X

Figure 5.4

a. Spas with Non-removable Panels

5a. Secure the Mounting Brackets to the spa cabinet using (12) of the Pan Head Screws (Figure 5.4). You will be using the following bag: Bag #2 (K) (#10 1½" screws) used on non-removable panel spas.

NOTE **See Page 2 for important information on screw size compatibility.**

b. Spas with Removable Panels

5b. Secure the Mounting Brackets to the spa cabinet using (12) of the Pan Head Screws (Figure 5.4). You will be using the following bag: Bag #3 (M) (#10 2" screws) used on
removable panel spas.

NOTE **See Page 2 for important information on screw size compatibility.**

c. Spas with Plastic or Metal Frame

5c Secure the Mounting Brackets to the spa cabinet using (12) of the Pan Head Screws (Figure 5.4). You will be using the following bag: Bag #4 (O) (#10 2½" screws) used on panels of spas with metal or plastic frame.

NOTE **See Page 2 for important information on screw size compatibility.**

COVER CRADLE INSTALLATION

STEP 5 ATTACH SIDE ARM ASSY

1. Remove the single bolt attached to the Side Hinge (F)(Figure 6.1) on the side of the spa. Attach the Side Arm Assembly (E) (Figure 6.1) to the Side Hinge (F) (Figure 6.1) using the single bolt. Repeat on other side of spa.
2. **IMPORTANT:** Plastic Bottom (Pivot Bracket) of Side Arm Assembly (E) must lay flat against spa siding.

DO NOT OVERTIGHTEN SCREW or the cover will bind.

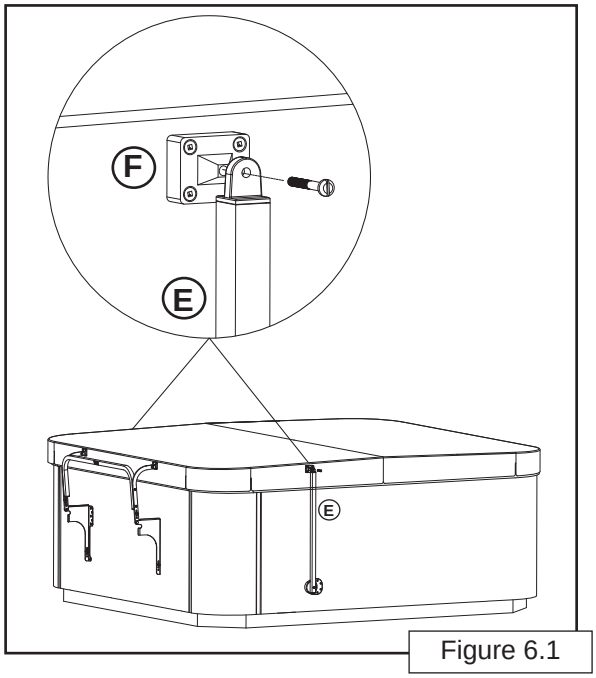


Figure 6.1

STEP 6 ALIGN SIDE ARM ASSY.

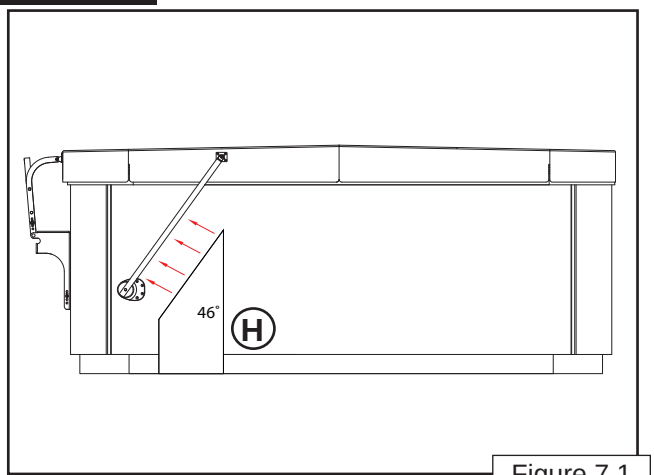


Figure 7.1

1. Locate the Cardboard Template (H) and place on ground below Side Arm Assembly (Figure 7.1).
2. Slide Template against Side Arm Assembly, making sure the entire angle of the Template touches the Side Arm Assembly (Figure 7.1).
3. Position the Plastic Bottom (Pivot Bracket) with the holes facing away from the back of the cover (Figure 7.2).

NOTE If Pivot Bracket rests on both the side panel and corner panel, creating a gap behind the Pivot Bracket, Pivot Bracket may be rotated 180° and placed onto the corner panel of spas.

NOTE If the Pivot Bracket rest between the bottom edge of spa cabinet and base pan or kick plate,Pivot Bracket may be rotated counter clockwise until holes are facing upward. This that Pivot Bracket is secured properly onto the spa cabinet.

4. Holding Pivot Bracket in place, mark all 4 holes and pre-drill with 1/8”(3mm) drill bit at a depth of 1/2”(12.5mm) into spa cabinet.

NOTE Use the appropriate size screws to secure the Side Arm Assembly. Please use (Figure 7.2) and information on **Page 8** of this document to determine the correct screw size.

COVER CRADLE INSTALLATION

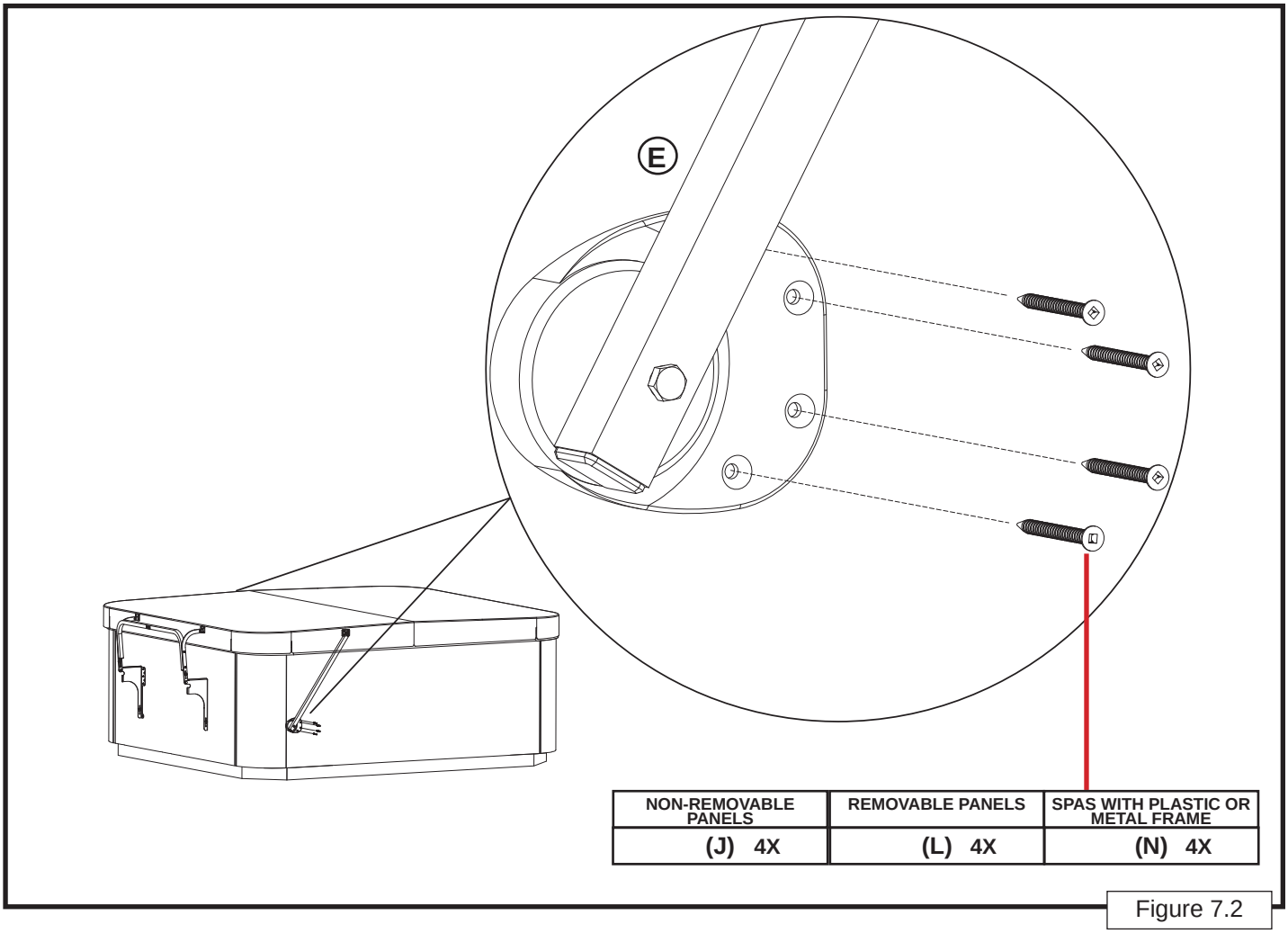


Figure 7.2

a. Spas with Non-removable Panels

5a. Secure the Side Arm Assembly (E) to the spa cabinet using (4) of the Flat Head Screws per Side Arm Assembly (Figure 7.2). You will be using the following bags: Bag # 2 (J) (#10 1½" screws) used on non-removable panel spas.

REPEAT ALIGNMENT ON OTHER SIDE - Make sure both Side Arms angle toward the back of cover.

NOTE **See Page 2 for important information on screw size compatibility.**

b. Spas with Removable Panels

5b. Secure the Side Arm Assembly (E) to the spa cabinet using (4) of the Flat Head Screws per Side Arm Assembly (Figure 7.2). You will be using the following bags: Bag # 3 (L) (#10 2" screws) used on removable panel spas.

REPEAT ALIGNMENT ON OTHER SIDE - Make sure both Side Arms angle toward the back of cover.

NOTE **See Page 2 for important information on screw size compatibility.**

c. Spas with Plastic or Metal Frame

5c. Secure the Side Arm Assembly (E) to the spa cabinet using (4) of the Flat Head Screws per Side Arm Assembly (Figure 7.2). You will be using the following bags: Bag # 4 (N) (#10 2½" screws) used on panels of spas with metal or plastic frame.

REPEAT ALIGNMENT ON OTHER SIDE - Make sure both Side Arms angle toward the back of cover.

NOTE **See Page 2 for important information on screw size compatibility.**

COVER CRADLE INSTALLATION

STEP 7 INSTALL GAS SPRING

1. Locate the Gas Springs (C) and snap onto the upper ball stud (attached to the Pivot Arm Assembly) with the barrel end of the Gas Spring up on both sides (Figure 8.1).

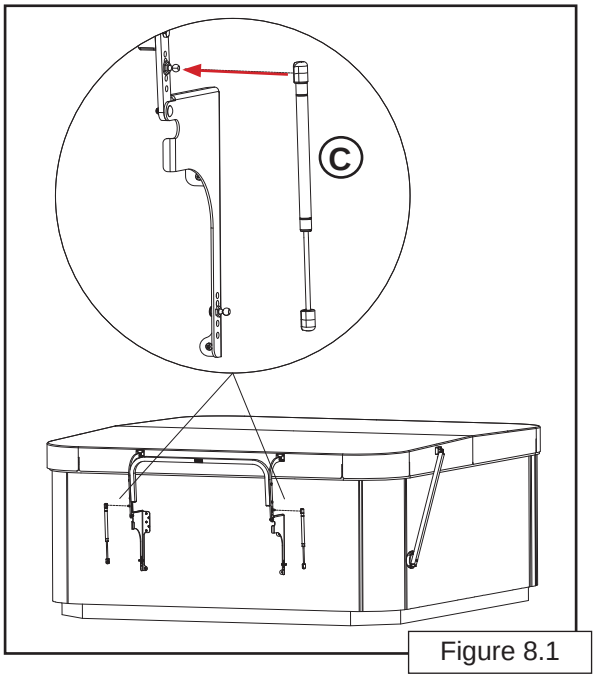


Figure 8.1

2. Fold Cover in half and pull to position shown (Figure 8.2). Snap the lower joint of the Gas Springs onto the lower ball stud (Figure 8.2).

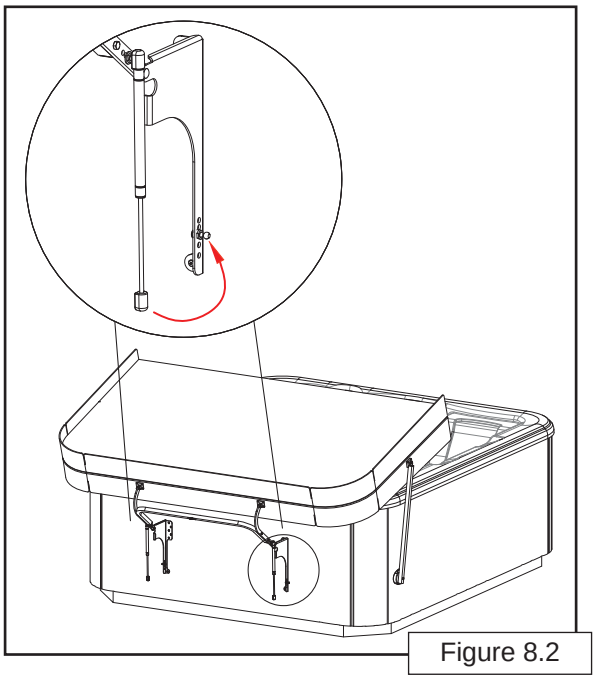


Figure 8.2

STEP 8 ADJUST GAS SPRING

The motion of the cover when opening should be controlled and smooth rotating to a gentle stop. If this is how your cover works, skip this step. If the cover does not fully open or the cover does not come to a gentle rest then do the following:

a. Remove both Gas Springs by reversing the order in Step 7. Remove Gas Springs from each ball stud by placing a flat blade screwdriver behind the retaining cup (hold up the clip with the screwdriver) and pull Gas Spring away.
b. Remove both lower ball studs with a ½" wrench. Raise or lower ball studs one hole (Figure 9.1)
c. Remove both upper ball studs with a ½" wrench. Move ball studs in the same direction as in step b.

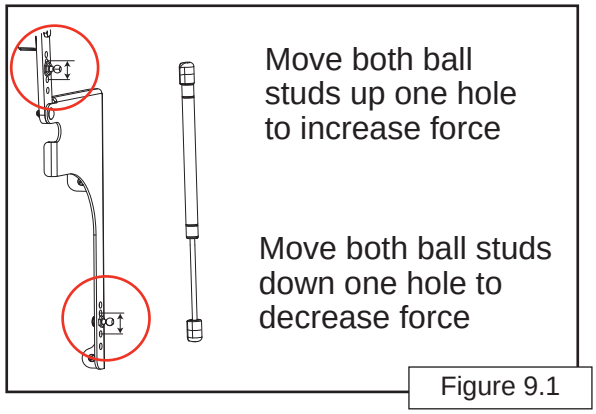


Figure 9.1

d. Repeat Step 7

HOW TO OPEN AND CLOSE COVER

Push on either side of the cover to open or close (Figure 9.2). Cover should come to a gentle rest with a slight tilt towards the spa.

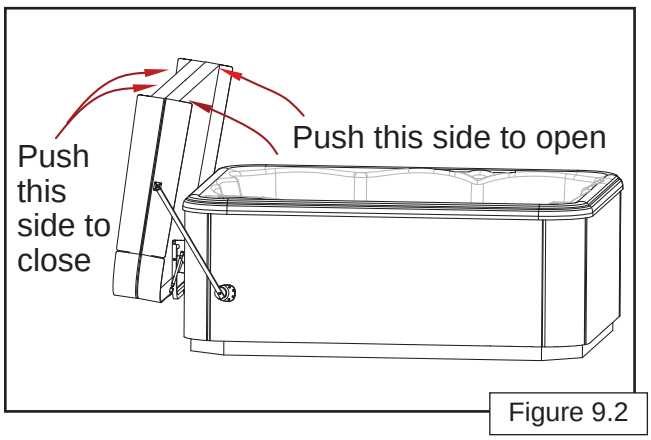


Figure 9.2

COVER CRADLE INSTALLATION

NOTE

Always “ease” the cover to the Open and Close Position to avoid “Slamming” thereby prolonging the service life of your cover.

BLANK



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