

# TB-SRTG14-2 GAS SPRING TANK COVER UPGRADE INSTRUCTIONS



## 1 Tools Required:

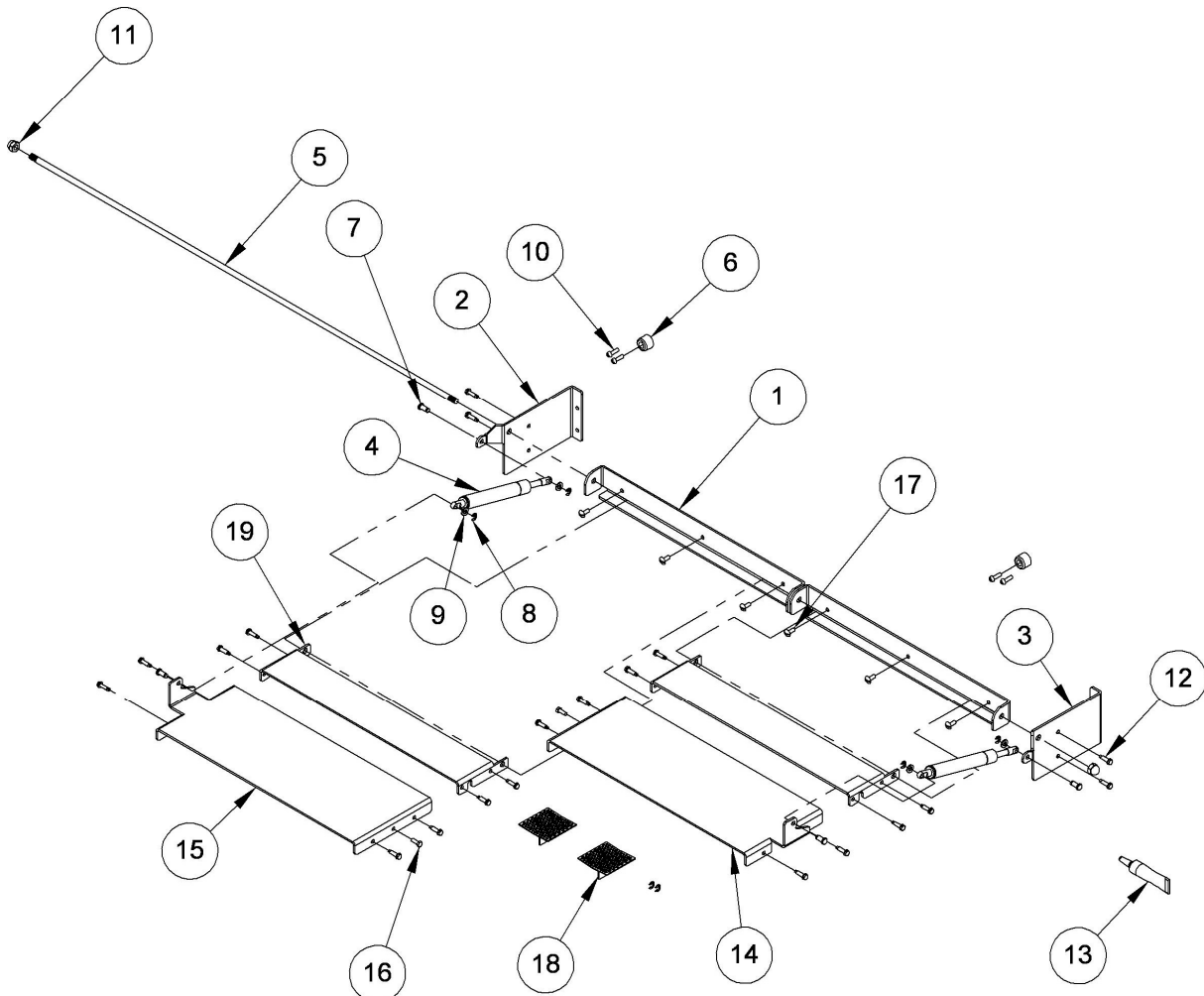
- ❑ Flat Blade Screwdriver
- ❑ Phillips Screwdriver
- ❑ Two 7/16" Wrenches
- ❑ Two 9/16" Wrenches
- ❑ 5/16" wrench or nut driver
- ❑ 1/8" Hex Key
- ❑ Cordless Drill
- ❑ 5/16" Hex Bit
- ❑ 5/16" Drill Bit
- ❑ 5/32" Drill Bit
- ❑ Blow Torch



## 2 Kit Contents (B8704201-CL):

NO.	PART NO.	DESCRIPTION	QTY
1	A2110502-C	TANK COVER, MOUNTING BRACKET	2
2	A2110102-C	SUPPORT BRACKET LH	1
3	A2110104-C	SUPPORT BRACKET RH	1
4	B2102901-C	GAS SPRING WITH FITTINGS	2
5	A2109602	TANK COVER, HINGE ROD TB-SRTG14-2	1
6	60135801	STOPPER, RUBBER .750 OD X .563	2
7	60047805	PIN, CLEVIS 6MM X 13.5MM, E-RING STYLE SST	4
8	60135405	RING, RETAINING EXTERNAL E-STYLE 6MM	6
9	60022904	WASHER, FLAT M6 SST	4
10	PP10698	SCREW, 10-24 X 5/8 ROUND HD PHILLIPS SST	4

NO.	PART NO.	DESCRIPTION	QTY
11	60158901	NUT, ACORN .312-18 SST	2
12	60049302	SCREW, 10-16 X 3/4 HEX SELF DRILLER SST	20
13	PP11115	LOCTITE 271	1
14	A2109904-C	GAS SPRING MOUNTING BRACKET RH	1
15	A2109902-C	GAS SPRING MOUNTING BRACKET LH	1
16	60088006	SCREW, 10-32 X .500 HEX HEAD SST	2
17	60125805	SCREW, 10-24 X 1/2 THRUSS HD SST	6
18	B3305402-C	TANK, DRAIN SCREEN WELDMENT	2
19	A2110402-C	TANK COVER, INSULATED GS SUPPORT	2





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### 3 Disconnect Appliance

- ❑ Remove all sources of power to the appliance.
- ❑ Shut off the water supply and drain the appliance.
- ❑ Turn the gas supply OFF and disconnect the appliance from the gas connection.

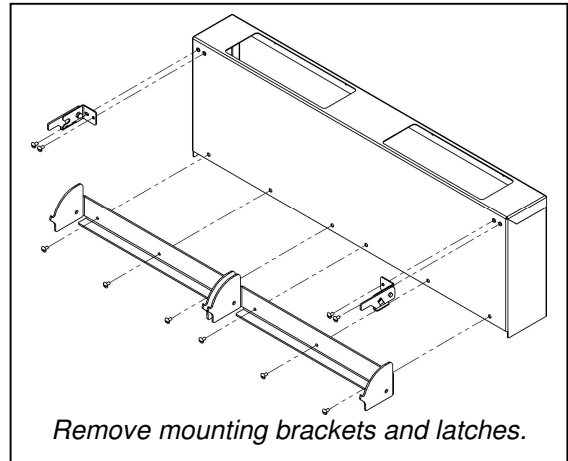
#### **WARNING**

The power supply **MUST** be disconnected before performing this procedure.

Ensure that the gas supply to this appliance is turned off before performing this procedure.

### 4 Tank Cover And Latch Removal:

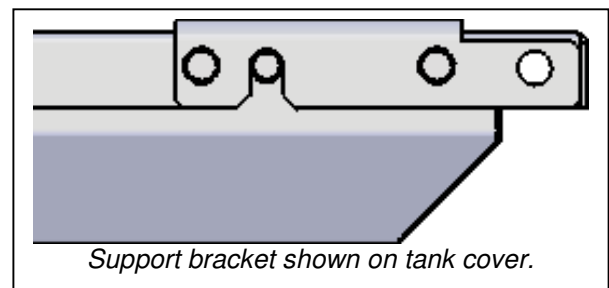
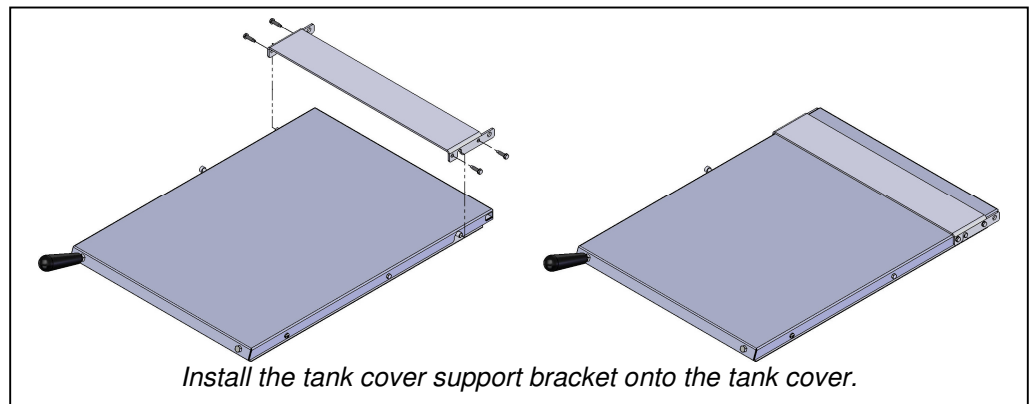
- ❑ Assure that both tank covers are in the down position prior to removal.
- ❑ Use two 7/16" wrenches to remove one acorn nut that secures the tank cover hinge rod to the appliance.
- ❑ Remove the hinge rod.
- ❑ Remove both tank covers.
- ❑ Use a flat blade screwdriver to remove the screws securing the tank cover hinge brackets and then remove each bracket.
- ❑ Use a phillips screwdriver to remove both tank cover latches from the splash back. Use a blow torch to heat up the screws if needed.



*Remove mounting brackets and latches.*

### 5 Tank Cover Support Bracket Installation

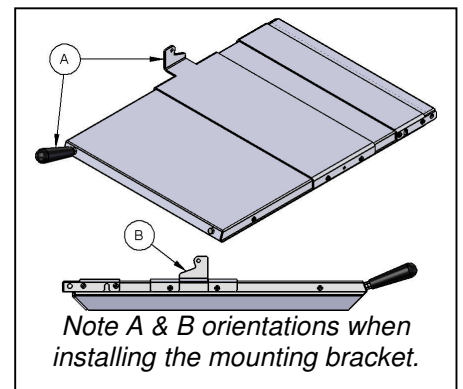
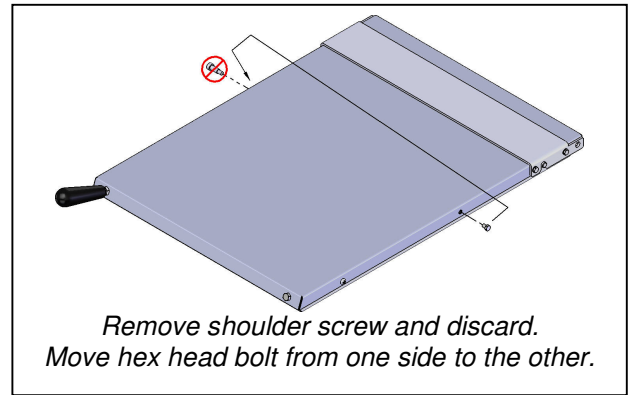
- ❑ Locate the tank cover support bracket from the kit. Place it onto the top rear of the tank cover. Assure that the notch in the support bracket is aligned with the pin in the tank cover.
- ❑ Using the clearance holes in the support bracket as a guide, drill 5/32" pilot holes into the tank cover.
- ❑ Secure the support bracket using a total of five self drilling screws.
- ❑ Using a 5/16" drill bit, drill out any material that may be behind the two 5/16" hinge rod holes in the support bracket. In most cases this step will not be needed.
- ❑ Repeat the steps above to install a support bracket to the second tank cover.





**6 Tank Cover Spring Bracket Installation**

- ❑ Using a 1/8" hex key, remove the shoulder screw from both tank covers.
- ❑ Using a 5/16" wrench, move the hex head bolt from one side of the tank cover to the opposite side. The new bolt location should be the same as where the shoulder screw was located. Repeat this step on both tank covers.
- ❑ Place the gas spring mounting brackets onto each tank cover. The mounting brackets are NOT identical. Assume that the correct mounting bracket is installed onto the correct side. The spring mounting flange should be on the same side as the handle. Also the slope in the spring mounting flange should be going down and away from the handle.
- ❑ Attach the gas spring mounting brackets to the tank covers with the two supplied hex head screws and a 5/16" wrench.
- ❑ Using the clearance holes in the gas spring mounting bracket as a guide, drill 5/32" pilot holes into the each tank cover.
- ❑ Apply silicone adhesive to the screw threads of each self drilling screw and secure the mounting brackets using a total of four screws per cover. It is important that ample silicone adhesive is used on each screw thread to ensure that the inside of the tank cover is sealed water tight.

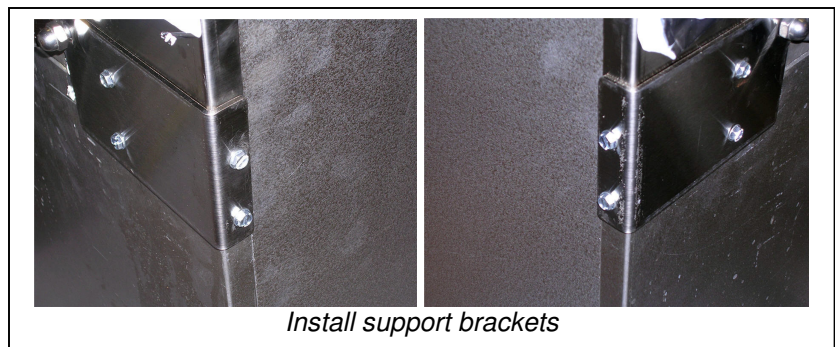


**7 Hinge Brackets Installation:**

- ❑ Locate the six 10-24 truss head screws that are contained in the parts kit. These screws will have threads that are 1/2" in length. The screws that were removed from the appliance may be shorter and should NOT be used on the following steps.

**Do NOT reuse screws previously removed from the appliance on this step.**

- ❑ Attach both of the new hinge brackets to the appliance using 1/2" long screws supplied and a flat blade screwdriver.
- ❑ Remove the bottom two screws securing the splash back to the back of the appliance. Retain these screws for future use.
- ❑ Remove the top two screws securing the cabinet sides to the back of the appliance. Retain these screws for future use.
- ❑ Install the left hand and right hand hinge support brackets. Use the screws and screw holes from the previous steps to secure the support bracket to the appliance.



- ❑ Using the clearance holes in the support bracket as a guide, drill 5/32" pilot holes into the splash back.
- ❑ Use four self drilling screws to secure the hinge support brackets to the sides of the splash back and cabinet.



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### 8 Tank Cover Reinstallation

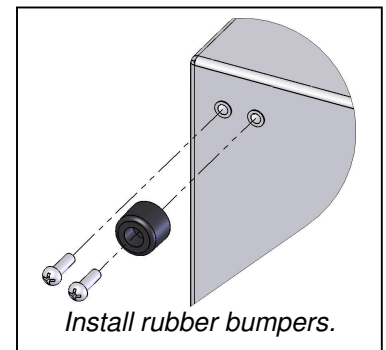
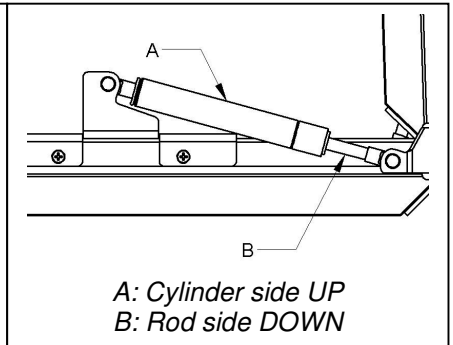
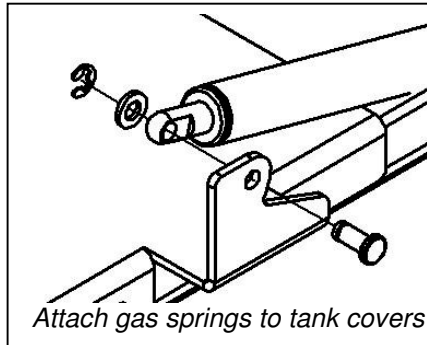
- ❑ Place both tank covers onto the appliance in the down position.
- ❑ Slide the new hinge rod through the holes in the hinge brackets and both tank covers.
- ❑ Apply Loctite to both threaded ends of the hinge rod. Then use two 9/16" wrenches to secure the new acorn nuts onto the hinge rod.

### 9 Gas Spring and Rubber Stopper Installation

- ❑ Using the supplied clevis pins, E-clips and washers, attach the cylinder side of each gas spring to the tank cover mounting brackets.

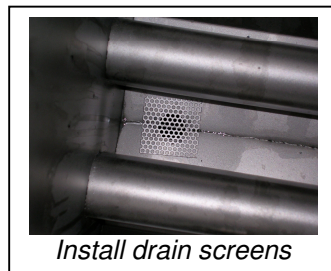
**Proper orientation of the gas spring during assembly is critical.**

- ❑ Raise the tank cover to the up position and attach the opposite side of the gas spring to the support bracket. Repeat this step with the second gas spring and tank cover.
- ❑ Lower both tank covers. Using the supplied phillips head screws, attach the supplied rubber bumpers onto the two inner holes on splash back. Secure phillips head screws into the remaining holes in the splash back.



### 10 Drain Screen Installation

- ❑ Place the supplied drain screens into the drain opening of each tank.



### 11 Final Test

- ❑ Raise each tank cover until they stop in the open (up) position. The covers should stay in the up position on their own.
- ❑ Move both tank covers to the closed position by pulling on the tank cover handle until they reach the tank.
- ❑ Assure that the tank cover seats itself correctly along the tank sides and front while in the closed position.

