



FNS-3300 Multi-Fruit Juicer

Service Manual



March 2026



FNS-3300

Multi-Fruit Juicer

Service Manual

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Important Safety Information

You can help prevent personal injury and/or property damage.

Please read this manual carefully before operating the Multi-Fruit Juicer.
DO NOT attempt any operation until you understand exactly how the machine functions.

If uncertainty remains after studying this manual, please contact JBT Marel Corporation.

We're here to help. With proper handling, the JBT Marel FNS-3300 Juicer will provide safe, efficient and convenient service for years to come.



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Revision History

Manual Code	Rev.	Date	Change History
	A	02/02/2026	Initial Release

Safety Labels

The safety labels shown below appear on the Juice Extractor. Safety labels provide essential instructions on how to avoid possible hazards.

Please, for your safety: FOLLOW THOSE INSTRUCTIONS AT ALL TIMES.

Should the Juicer safety labels become damaged or unreadable, contact JBT Marel Corporation for replacement labels.



Safety Instructions

Carefully review the following safety instructions.

Make them a habit when using the JBT Corporation Multi-Fruit Juicer.

1. If Juicer continues to run when any access cover is open, the interlock switch is defective. **Turn Juicer off immediately.** Call for service.
2. Prevent unauthorized access to Juicer by locking latch on door.
3. **NEVER** attempt to make any safety device inoperative.
4. **NEVER** operate or perform maintenance or repair work on the Juicer when taking any kind of drug or sedative, when under the influence of alcohol, or when fatigued.
5. **ALWAYS** check adjustment of all nuts, bolts, and screws after installation, repair, or periodic maintenance.
6. **NEVER** attempt to operate or transport machine if the caster wheels are damaged, do not roll freely, or if front and rear brakes do not lock.



Specifications

Technical Specifications

Fruit size: 2 1/2" to 3 3/4" diameter (6.5 cm to 9.5 cm)
Oranges — FL: 125 to 50 count
Oranges — CA: 138 to 48 count
Grapefruit — FL: 56 to 48 count
Hopper capacity: 60 lb. (27 kg)
Reservoir capacity: 3.5 gal. (1 carton) (13.2 liters)
Waste container capacity: 80 lb. of peel (2 cartons) (36 kg)
Three Speeds: 25 fruit/minute, 29 fruit/minute, 33 fruit/minute

Electrical Specifications

115V, 60 Hz Single Phase 15 AMP Service on a dedicated circuit
or
220 VAC, 50 Hz / 60Hz Single Phase 7.5 AMP Service

Shipping Specifications

Height: 65.4"	(166 cm)
Width: 26"	(65 cm)
Depth: 35"	(89 cm)
Weight: 711 lbs	(323 kg)

Patents

U.S. Patents - #4905586 and #4922814
and Patents Pending

General Information

The JBT Marel Corporation Juicer is designed to provide years of dependable service. It uses a unique patented design to extract every available amount of juice from the fruit with the least amount of peel oil. The peel is completely separated from the juice and juice sacs before being compressed and strained.

The machine will juice all types of citrus — oranges, grapefruit, lemons, limes, tangerines, etc. — without changing or adjusting parts. In fact, different varieties and sizes of fruit can be juiced to create various fruit juice blends.

Clean-up is simple, requiring disassembly of only five parts. All waste material — peel, membranes, and seeds — is collected in a disposable garbage bag for easy removal and disposal.

The Juice Extractor is solidly built using heavy duty components in all assemblies, including the drive. It is simple to operate and uses a minimal number of parts.

ALWAYS follow cleaning and maintenance schedules in this manual to prevent equipment damage and maintain juicer performance.

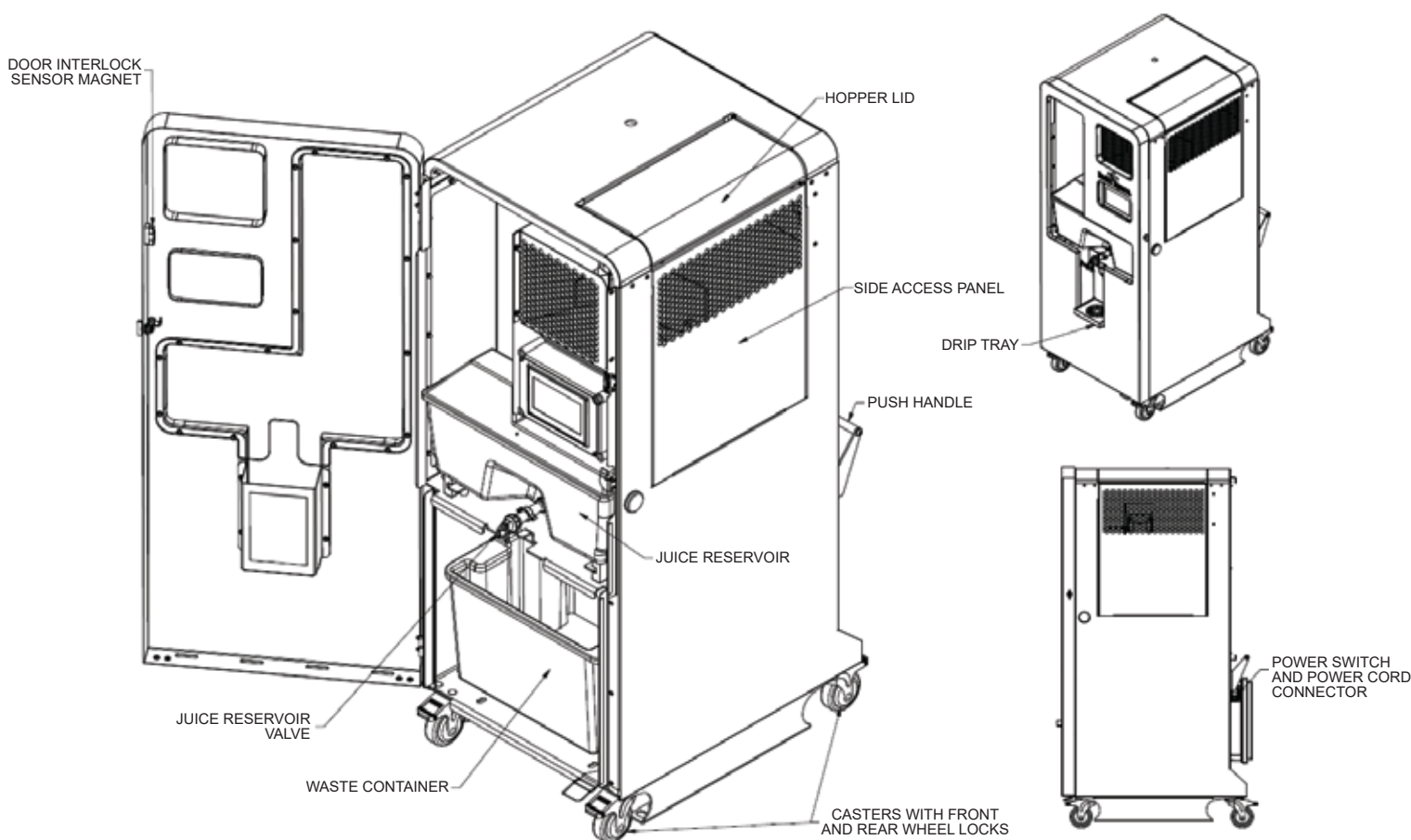


Figure 1. FNS-3300 Multi-Fruit Juicer

Touch Screen Juicer Operation

Standard Start Screen



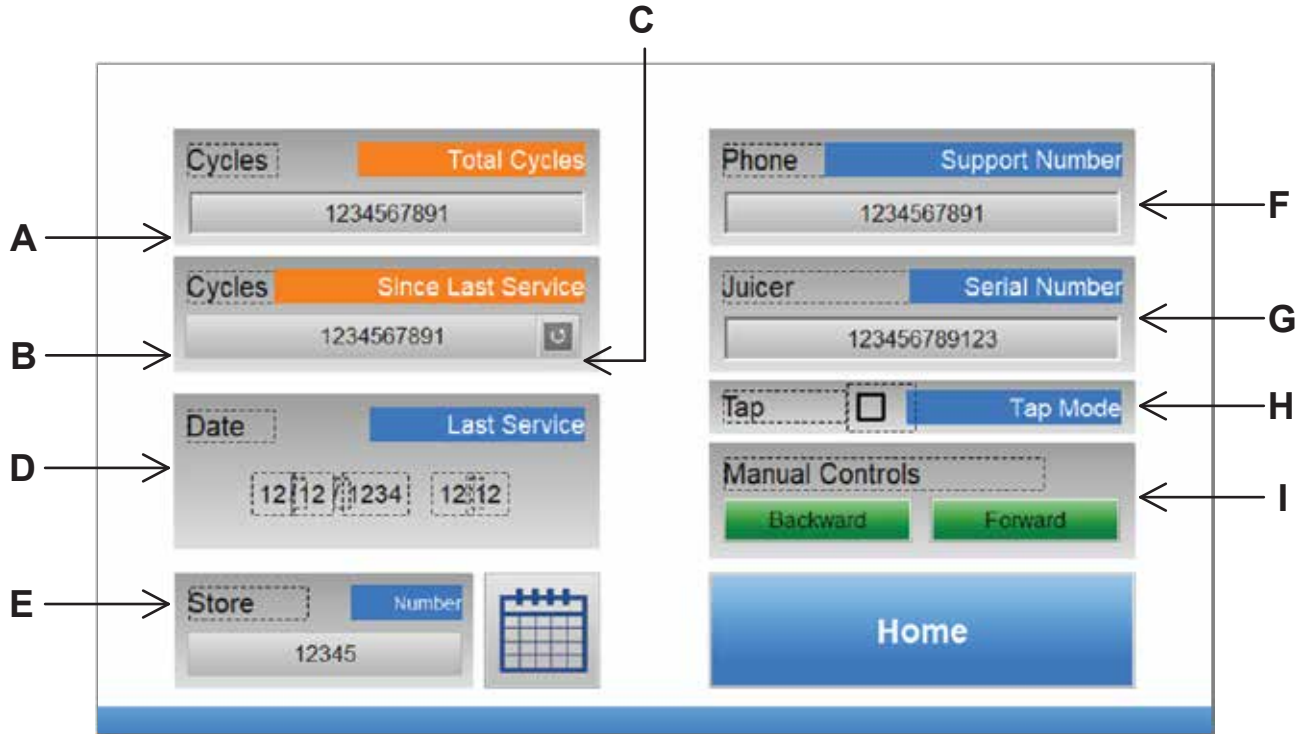
Self-Service Start Screen



- A. Start Button – Starts Juicing (on self-service machines, pulling down on the handle starts juicing)
- B. Go to Settings – Options to change the juicing speed and the juicing animation screen.
- C. Go to Status – View various information about the unit.
- D. Go to Service – Various settings for the juicer (service personnel only). Access requires a password. Check the “Security Login” box and enter “1” as the password.

Service Screen

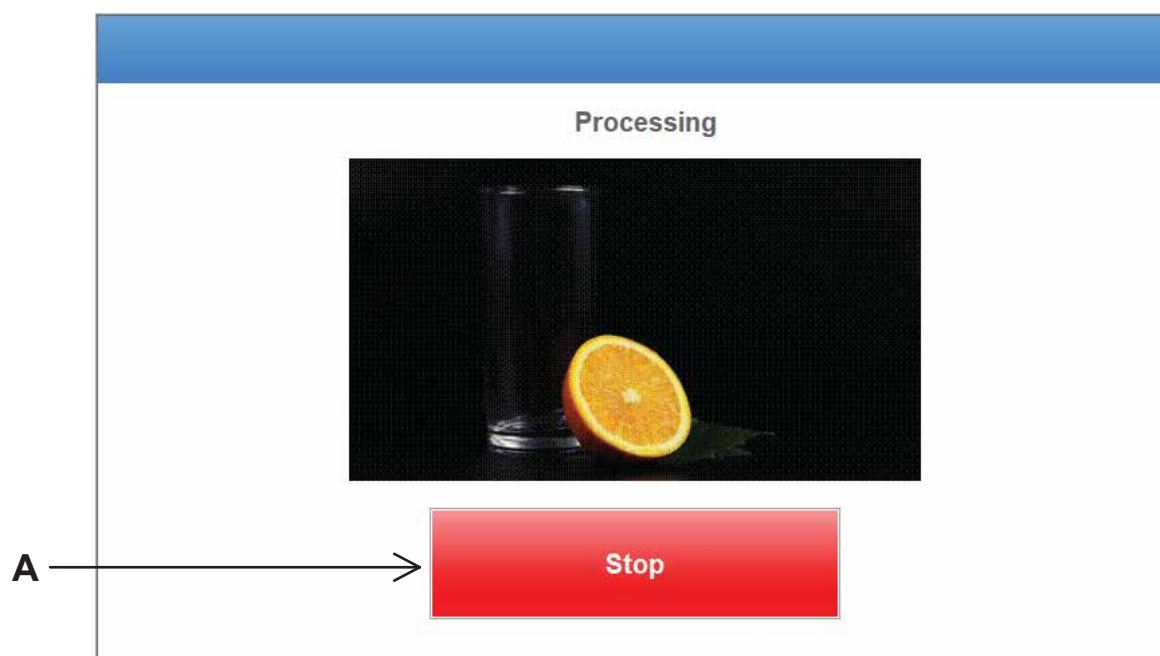
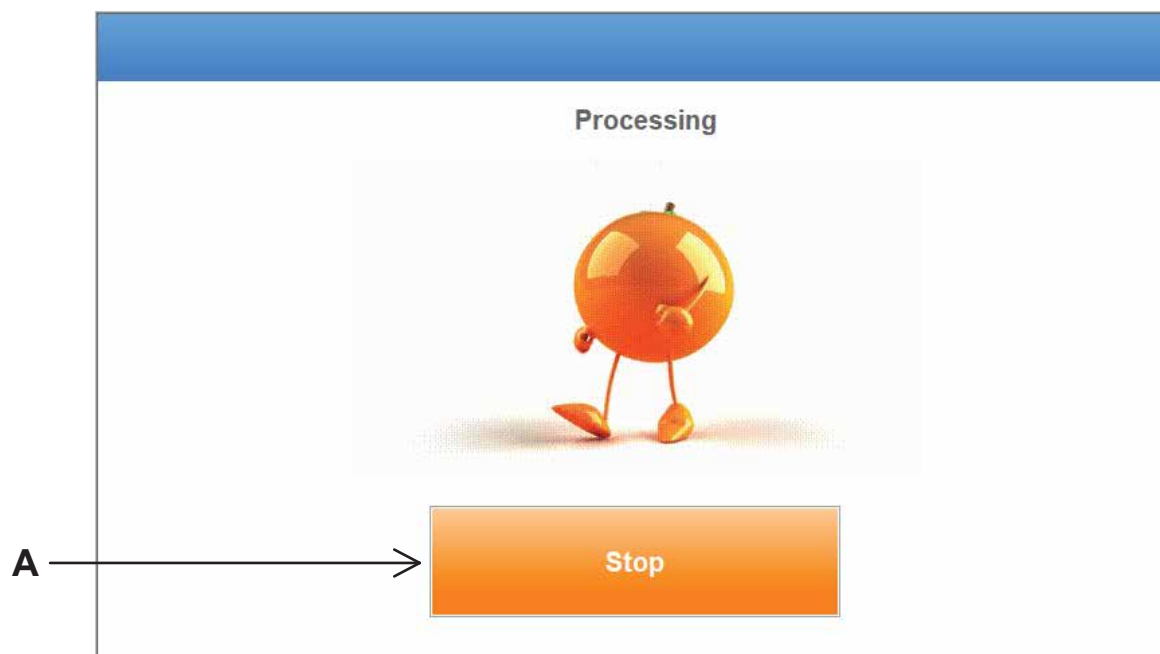
The service screen is for service personel only as it has features that can be adjusted that will affect the operation of the juicer. It can only be accessed by entering a password. To access the screen, press the “Services” button on the home page, check “Security Login” and enter “1” as the password.



- A. Total Cycles** – Indicates the total number of cycles the juicer has run. This is value can be changed by clicking on it. This is only meant for cases where electrical boxes are being replaced so that the total juicers cycles will not be lost.
- B. Cycles since last service** – Indicates how many cycles have run since the last time the juicer was serviced.
- C. Reset Service Date** – The button to the right of this will reset the service date shown below as well as on the status screen.
- D. Last Service Date** – This shows what the date of the last service was for the juicer. The format for this date is: Month Day Year.
- E. Store Number** – If applicable, a store number can be set.
- F. Support Phone Number** – Phone number for the service company for the juicer. To change the number, simply click on the number itself and a keyboard will appear. If desired, dashes and symbols can be added by clicking the down arrow on the top left twice, the dash is next to the enter button. Click the up arrow in the top left to return to the numbers. This phone number appears for general users on the Status page and Safety Fault screen.
- G. Juicer Serial Number** – set juicer serial number if not already done. Serial number can be found on the back of the machine on the serial name plate.
- H. Tap Mode** – To put the machine is “Tap” mode, check this box.
- I. Manual Controls** – Use the forward and reverse button to manually move the machine a little at a time. This can be handy for servicing or troubleshooting.

Processing Screens

- These screens appear when the juicer is actively running.
- There are two animations available which can be chosen on the settings page.



- A. Stop Button – Juicer will continue to run until it reaches the point when the cups are farthest apart.
- NOTE 1: In self-service tap mode, the tap handle must be held down for this to function. Once the handle is released, the juicer will stop.
 - NOTE 2: If the positioning sensor is not functioning this stop button will cause the juicer to stop immediately.

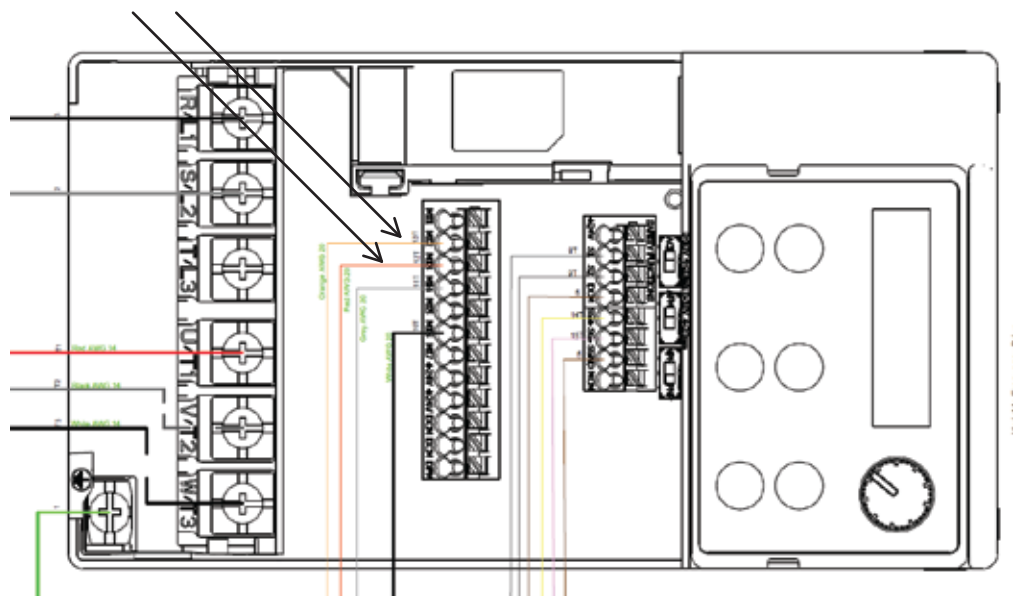
Front Door Open



This screen indicates that the front door is open. The juicer will not run while this door is open.

If this screen is appearing when the hopper door is open it indicates that the cables going into the electrical panel are reversed. Switch the orange and red wires **12T** and **13T** going into **M13** and **M12** respectively, shown below.

If this screen is always on then it indicates that the front door safety sensor may have malfunctioned. First, verify that all connections in the back of the panel are good. Then, by swapping the safety cables (at their twist off connection point) from the hopper and door. The error message should switch to the hopper door and remain on constantly. If this is the case, the sensor will have to be replaced. Go to the parts section and find the **“Safety Switch”** page for correct part numbers.



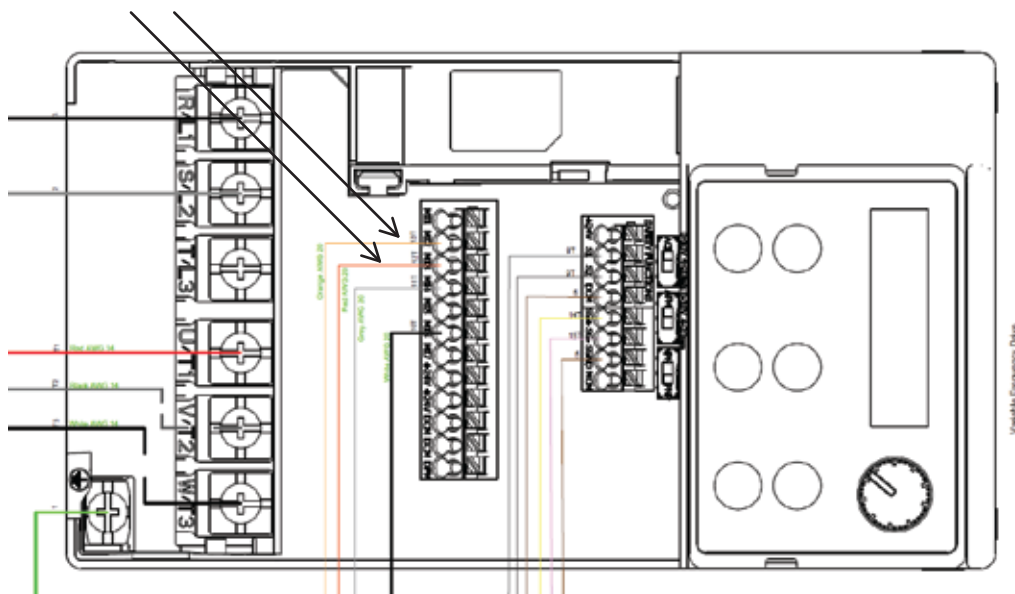
Hopper Door Open



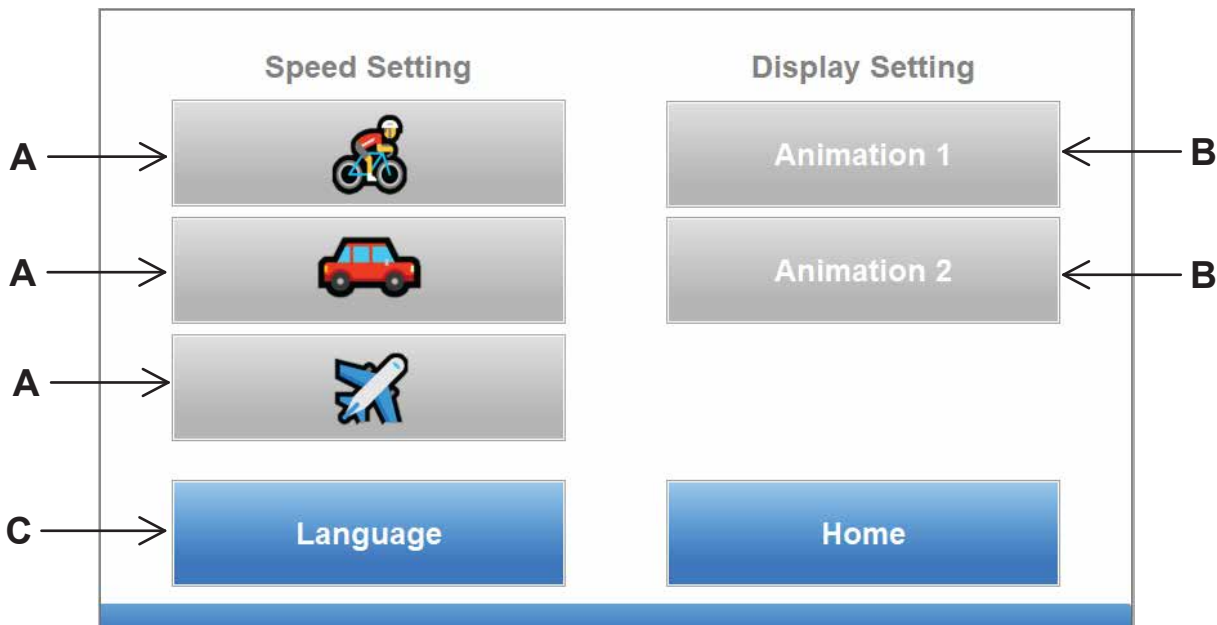
This screen indicates that the hopper door or fruit loading door on top is open. The juicer will not run while this door is open.

If this screen is appearing when the front door is open it indicates that the cables going into the electrical panel are reversed. Switch the orange and red wires **12T** and **13T** going into **MI3** and **MI2** respectively, shown below.

If this screen is always on then it indicates that the hopper door safety sensor may have malfunctioned. First, verify that all connections in the back of the panel are good. Then, by swapping the safety cables (at their twist off connection point) from the hopper and door. The error message should switch to the front door and remain on constantly. If this is the case, the sensor will have to be replaced. Go to the parts section and find the **“Safety Switch”** page for correct part numbers.



Settings Screen



- A. Speed setting - The juicer can run at 25, 29, or 33 fruit per minute. Be aware that some harder or larger fruit may not process at the higher speeds. If excessive stalling or mis-feeding is observed, switch speed to a lower setting to improve performance.
- B. Display setting - These check boxes choose which animation is displayed while the juicer is running.
- C. Language button - The language of the machine can be changed. Available languages are displayed on the Language screen.

Language Screen



Status Screen



- A. Total Cycles – indicates the total number of cycles the juicer has run.
- B. Cycles since last service – shows how many cycles have run since the last time the juicer was serviced
- C. Last Service Date – shows what the date of the last service was for the juicer. The format for this date is: Month Day Year
- D. Support Phone Number – phone number for the service company for the juicer.
- E. Juicer serial number – serial number for the juicer.
- F. Home Status – shows the status of the TDC sensor. If status shows gray, the machine is not at the TDC position and may have position sensor error pop-ups.

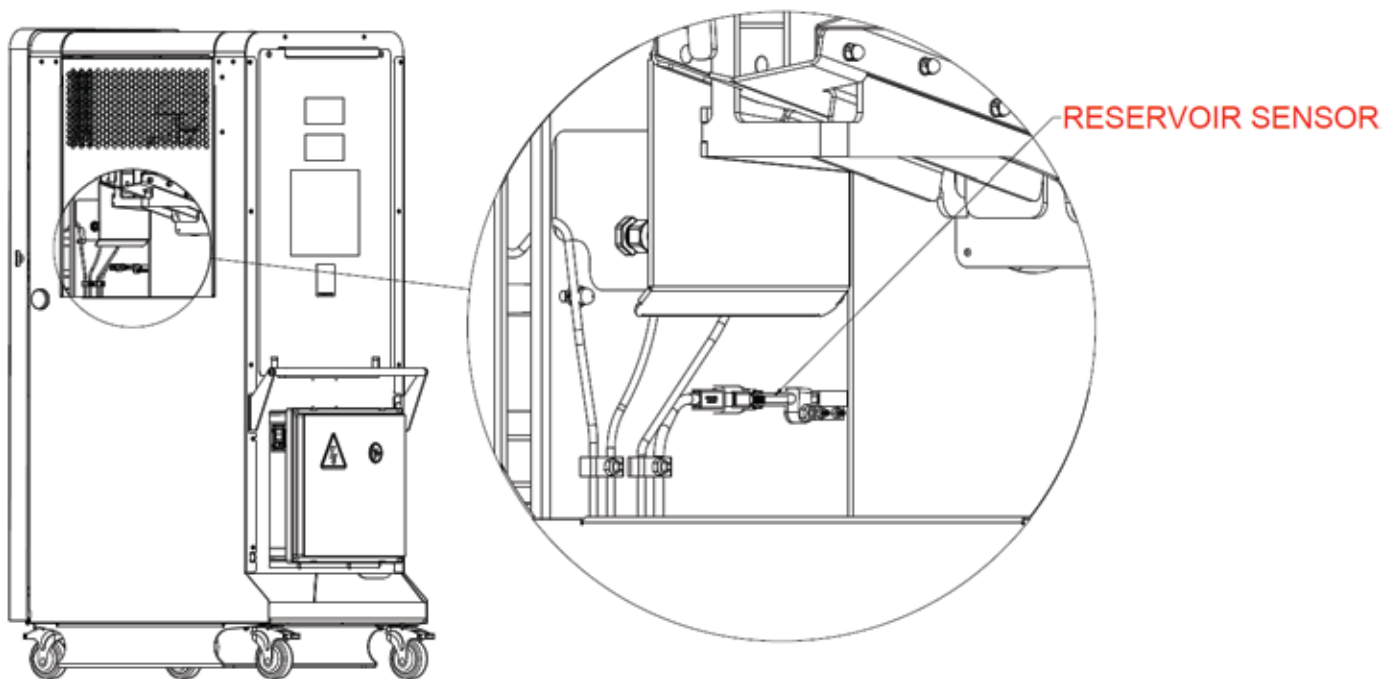
Juice Tank Full



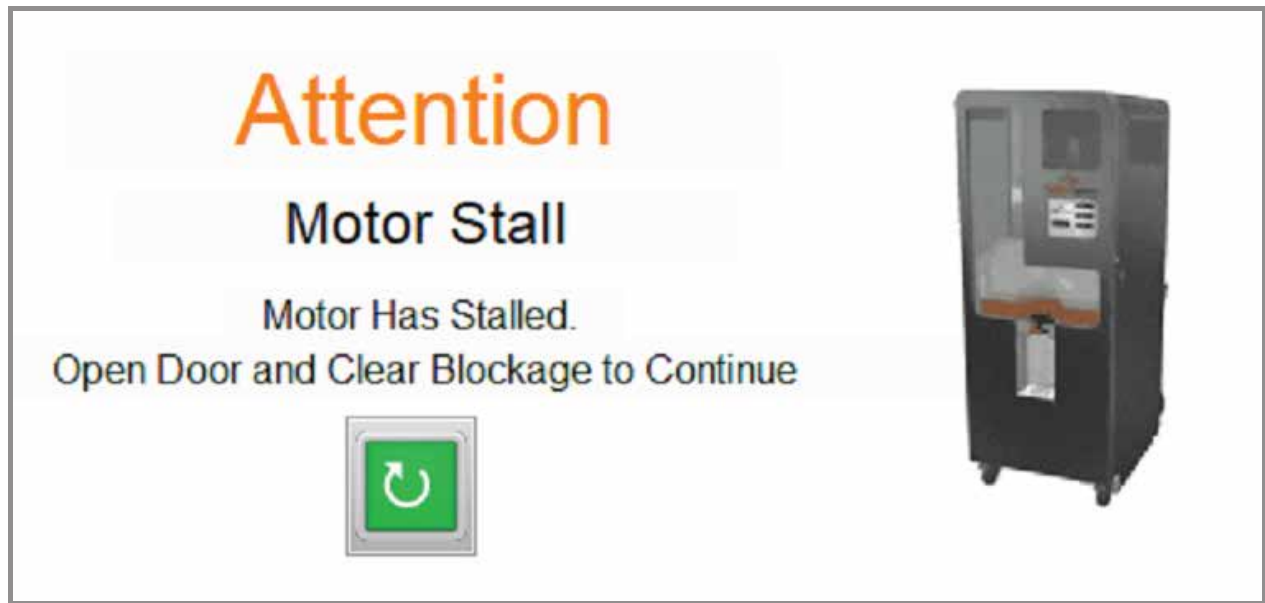
When this screen appears, it indicates that the juice tank is full and the juicer has stopped. The juicer will not run again until juice is removed from the tank.


If the tank is not full and you are getting this pop-up, it means that the magnet needs to be adjusted. To adjust the magnet, bend the wire that holds the magnet to rise up to the sensor just when the tank gets full. See image below.

If this pop-up is always on, that means that the sensor is malfunctioning and needs to be replaced. See “**Proximity Sensors**” parts list for part number.



Motor Fault

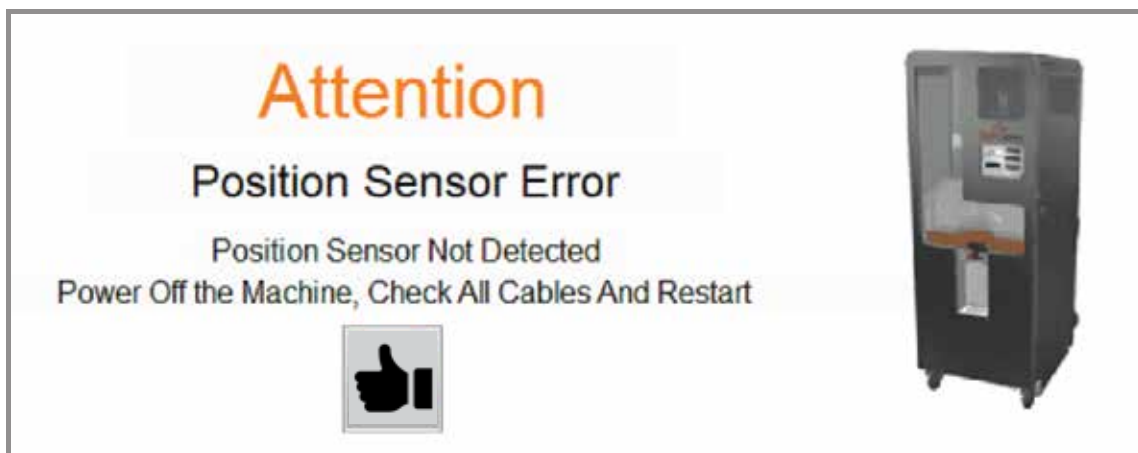


If this screen appears it indicates that the motor has stopped. This is usually caused by a blockage, large fruit, hard fruit, frozen fruit, or something else. Press the  button for the juicer to restart. If the error continues, the blockage will need to be removed manually. **ALWAYS POWER OFF THE JUICER BEFORE ATTEMPTING TO CLEAR ANY BLOCKAGE.**

In some rare cases the juicer may need to be manually moved in order to clear the blockage. Refer to the “**Service Screen**” to manually control the juicer.

If this screen appears often, it may mean the juicer is being run at too high of a speed for the fruit being used. Try using one of the slower speeds to prevent this.

Position Sensor Error



This error message occurs because the juicer is operating, but the position sensor (also referred to as TDC or Top Dead Center sensor) has not been detected. The juicer is still capable of running, but the following features will be disabled or not function properly:

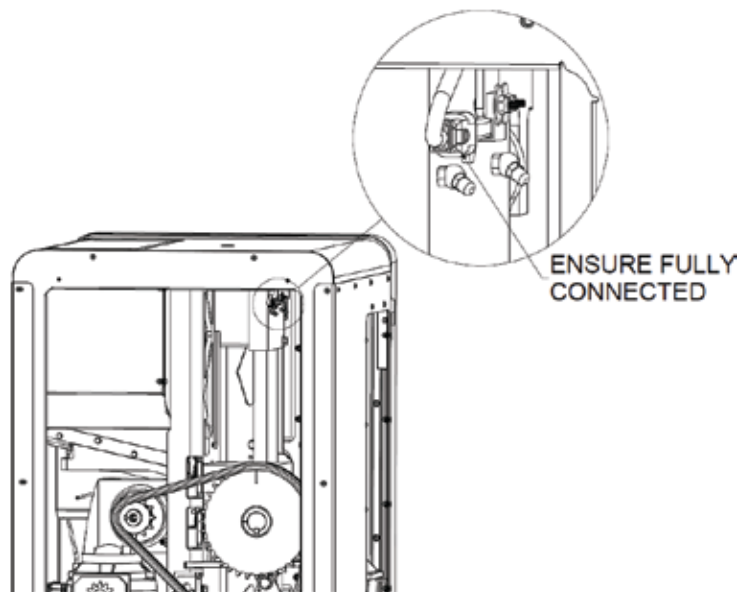
1. The juicer will default to the slowest setting, no matter what speed setting is chosen.
2. Pressing the stop button will now cause the juicer to stop immediately, instead of running until the cups are farthest apart.

Unplug the juicer and open the back panel, make sure that the TDC sensor is fully connected.

If the sensor seems to work intermittently, check the position of the sensor and mounting bracket. The sensor itself has slots, so when mounted, the sensor should be pushed towards the back of the juicer as much as possible.

Improper positioning can cause the juicer to double count cycles. If work is done on this sensor, be sure to check the cycle count. Run the juicer for at least five cycles and recheck the cycle count.

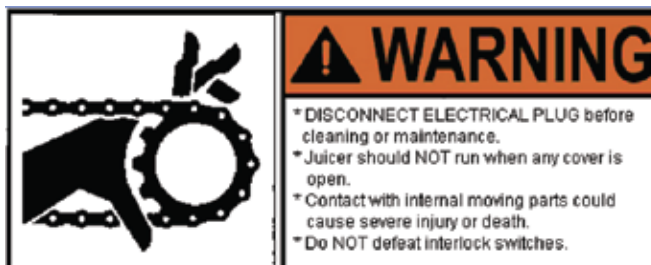
If this doesn't fix the issue, the sensor may need to be replaced. Refer to the "**Front Panel Mounting, TDC sensor and Reservoir Sensor**" page in the Illustrated Parts list.



Periodic Inspection

Before performing any inspection,

DISCONNECT ELECTRICAL PLUG



LOCK FRONT AND REAR CASTER WHEELS

After every juice run:

1. Check cutter and knives for sharpness.

Refer to **Figure 3** to determine condition of cutter.

If dull, sharpen with whetstone provided. Refer to **Figure 3** to sharpen cutter.

If cutter is severely damaged or rolled over, replace cutter.

a. Cutter removal:

- Disassemble juicing components (**Figure 2**).

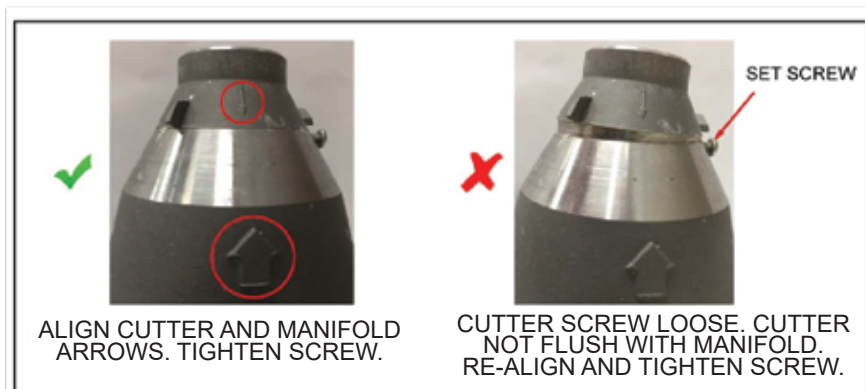
CAUTION: CUTTER AND KNIVES ARE SHARP.

- **Install red protective cap onto cutter.**
- Loosen screw under front knife (make sure screw is backed out far enough to clear cutter). Cutter should lift out, if not, tap the cutter lightly from inside the juice manifold with a 1-1/4" diameter rod (hammer handle).

b. Cutter installation:

Ensure red protective cap is installed onto new cutter.

Align arrows on cutter and juice manifold to seat cutter. Make sure cutter is fully seated. Tighten screw and ensure screw engages with divot in cutter. (**DO NOT** over-tighten.)





INSTALLATION OF A GOOD CUTTER.



REPLACE CUTTER.



SLIGHT KNICKS ON CUTTER EDGE.
CUTTER CAN BE SHARPENED.



SHARPEN CUTTER USING WHETSTONE
PROVIDED.

Figure 3. Sharpening Cutter

Periodic Inspection (continued)

2. Check orifice tube for damage.

Refer to **Figures 4 and 6**.

Replace tube when:

- a. Chunks are missing from top end.
- b. Score marks 1/32" (finger nail catches) or deeper appear along the length of the tube.

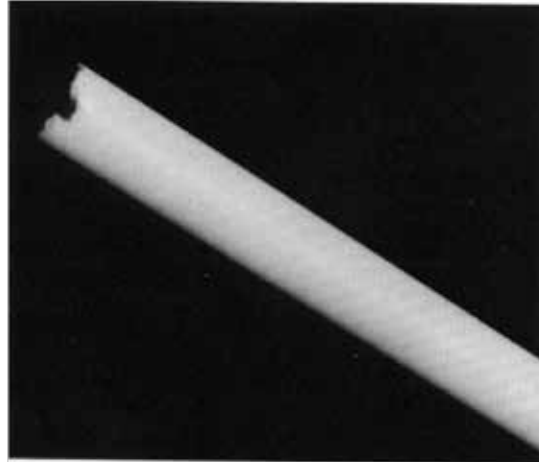


Figure 4. Severely Damaged Orifice Tube

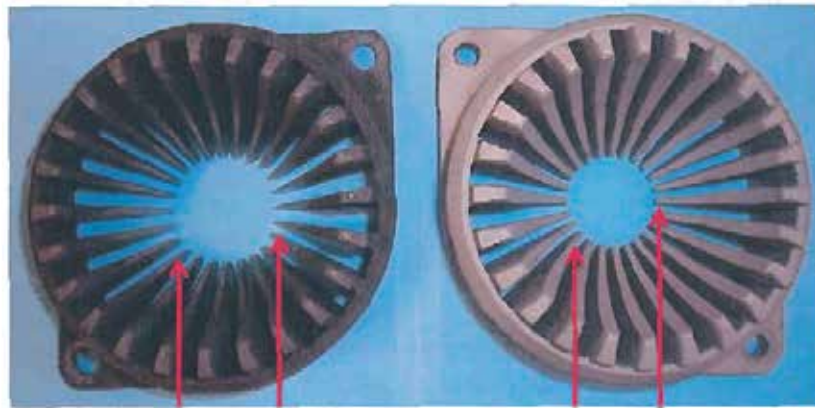
3. Check for loose or missing nuts and bolts.

- a. Tighten or replace nuts and bolts as necessary.
- b. **DO NOT** exceed torque ranges specified.
- c. **ALWAYS** use JBT Marel Corporation recommended spare parts.

4. Check upper and lower cups for wear and/or damage.

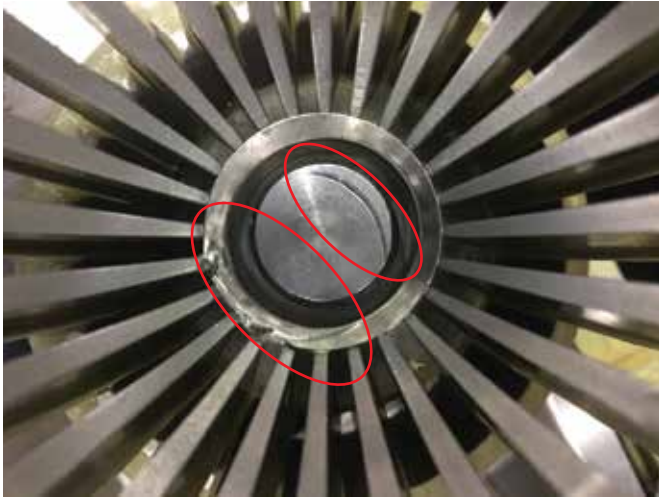
Refer to **Figure 5**.

- a. Check fingers on upper and lower cups for cracking or scraping.
- b. Measure finger width from the tips of the fingers.
- c. Measure inner diameter of lower cup.
- d. Check inside upper cup for knicks or damage to upper cutter.

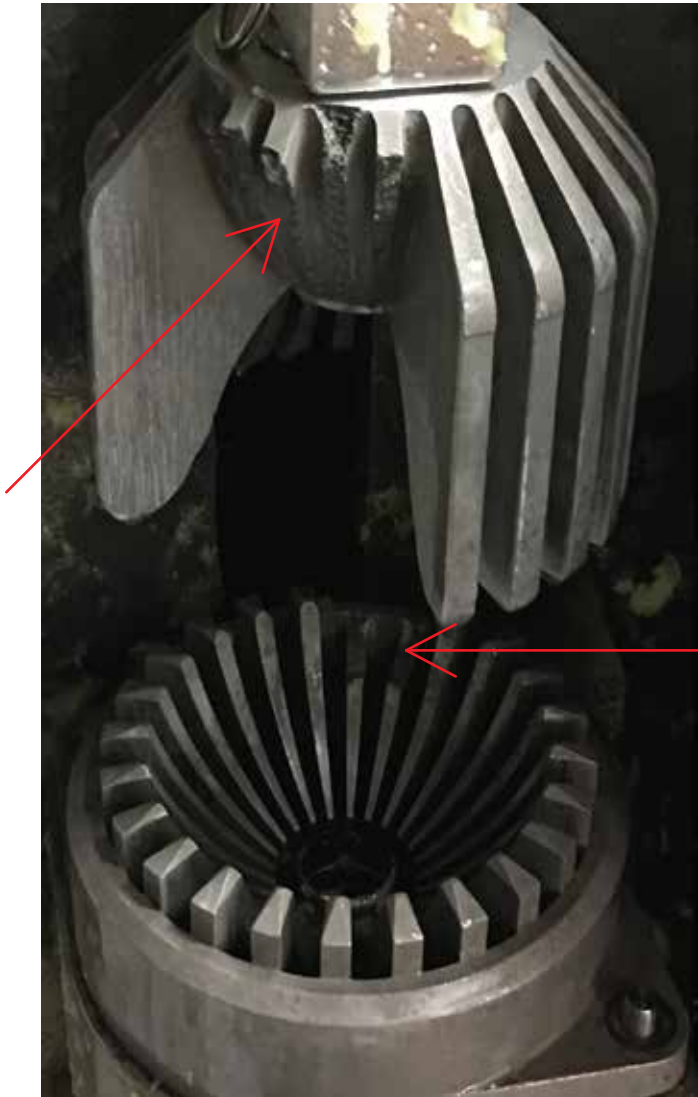


Worn cup fingers will be thin & have round edge at center bore. Moderate worn Cup yield loss 4.5% Major wear 12% or more

New or good condition cup fingers will be thick & have blunt edge at center bore.



DAMAGE TO UPPER CUTTER IN UPPER CUP. THIS TYPE OF DAMAGE IS CAUSED BY A LOOSE MANIFOLD. THE CUTTER WILL MAKE CONTACT WITH THE UPPER CUP AND LEAVE THIS IMPRINT.



FRACTURES IN BOTH THE UPPER AND LOWER CUPS. REPLACE CUPS.

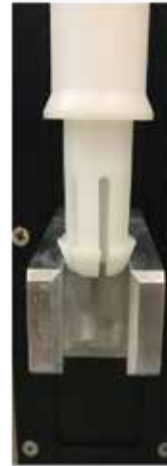
Figure 5. Damage to cups

ORIFICE TUBE INSTALLATION



CORRECT ✓

GROOVE OF ORIFICE TUBE
INSTALLED IN LOWER ARM SLOT



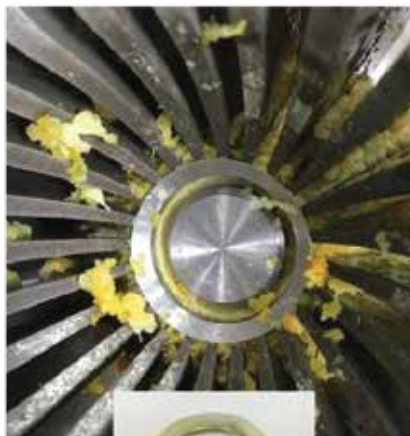
INCORRECT ✗

ORIFICE TUBE INSTALLED
ON TOP OF LOWER ARM SLOT

RESULTS OF IMPROPER ORIFICE TUBE INSTALLATION



**DAMAGED ORIFICE TUBE
AND CUTTER**



**ORIFICE TUBE BROKEN OFF
INSIDE UPPER CUP**



**ORIFICE TUBE DOES NOT
CLEAN STRAINER TUBE
(EFFECTS JUICE YIELD
AND QUALITY)**

Figure 6. Severely Damaged Orifice Tube

Maintenance

Perform the following steps every 6 months.

1. Test all access cover interlock switches.

Juicer should stop automatically when any access cover is opened. Individually open and close the front door and hopper access door. If juicer continues to run when front door or hopper access is opened, the interlock switch is defective. Stop the juicer and **DO NOT USE.**

See Troubleshooting Section.

2. Inspect casters for damage or wear.

Caster must roll freely and front and rear brakes must lock.

3. Check all fasteners for tightness.

Check especially on the Sprockets, Crank Arms, Fruit Lift and Hopper.

4. Check chain for tightness.

Chain should have 1/4 inch maximum slack on top side. To adjust, loosen the tensioning bolt located on the chain tensioner until 1/4 inch of slack is measured.

Refer to **Figure 7.**

CAUTION: DO NOT OVER TIGHTEN CHAIN

5. Check chain and sprockets for rust.

Lubricate chain and sprockets if rust appears. JBT Select FG Spray (Non-Drip), p/n 575054, is recommended.

6. Lubricate grease fittings with JBT Marel Select 2FG grease, p/n 575066.

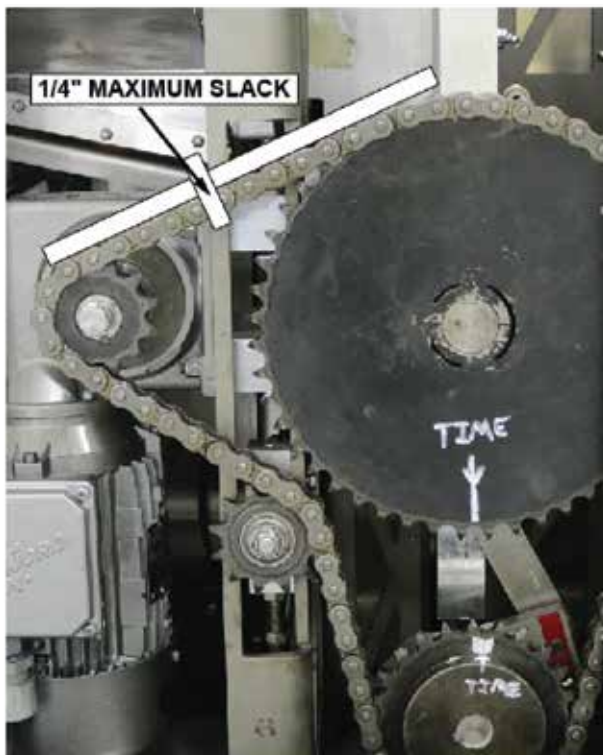


Figure 7. Checking Chain Slack

Troubleshooting

- **Juicer will not turn on**
 1. **Juicer is not plugged into electrical outlet.**
 2. **Power switch is not on.**
Ensure power switch on rear right side of machine is flipped on.
 3. **Building circuit breaker or GFI has tripped (reset).**
 4. **Loose wire connection.**
Check that all electrical connections are properly installed and secured.
 - a. Unplug machine.
 - b. Check continuity from power cord into electrical box and throughout electrical panel.

- **Juicer starts, but shuts off.**
 1. **Juicer is tripping GFCI outlet.**
Certain GFCI outlets will not support the juicer. Have an electrician replace your outlet with a compatible outlet if you have to run the machine on a GFCI outlet. Known compatible outlets include models of Legrand 1597TRAPLW for 15 Amp service and models of Legrand 2097TRAPLW for 20 Amp service. Others may work as well.
 2. **Building circuit breaker is not properly rated for 15 Amps.**
Ensure your breaker is rated for 15 amps and that it is on its own service breaker.
 3. **Extension cord or wiring is too long.**
Shorten extension cord or use heavier gauge wire. (See Page 6 "Electrical Specifications").
 4. **All covers not completely closed (including cart).**
Juicer may be flexing when squeezing fruit, causing switch to open. Make sure door latch is completely locked. Ensure safety switches are in alignment. The switches should light up green when in proper alignment.
 5. **Juicer is tripping internal circuit breaker.**
The juicer has an internal 15 amp circuit breaker in the electrical panel connected to the power switch. If this breaker is tripped, the power switch will flip to the off position. Ensure the switch is flipped in the on position. If breaker is still tripping, ensure there are no blockages in the machine when running. Replace power switch if issue persists.

- **Juicer will not start.**
 1. **Covers are not completely closed.**
Open and close both doors, make sure the sensors are securely fastened and then ensure the doors are firmly closed.
 2. **Safety sensor has failed. Refer to checking safety sensors to identify broken safety sensor and replace as necessary.**
 3. **Loose wire inside electrical box.**
Check that all electrical connections are properly installed and secured.
 - a. Unplug machine.
 - b. Check continuity from power cord into electrical box and throughout electrical panel.

Troubleshooting (continued)

- **Juicer runs extremely slowly**
 1. **TDC Position sensor has failed.**
 - a. Turn juicer off and back on to correct.
 - b. If issue persists, refer to “**Position Sensor Error**” page to correct.
 2. **Variable frequency drive programing has been changed.**
Refer to the procedure for re-programing the VFD in the “**Electrical Drawings and Procedures**” section of this manual.
 3. **PLC Programming has failed.**
If none of the speed settings are working and the 2 issues above have been verified correct, it is possible that there could be a bug in the program of the touch screen. Please contact JBT Marel for assistance with verifying. Refer to “**HMI Touch Screen**” section for replacement.
- **Juicer stalls trying to squeeze fruit**
 1. **Fruit has part of stem on it.**
Turn off Juicer and unplug. Remove fruit from the Juicer and restart.
 2. **Peel is too thick.**
Some fruit during certain times of the year may have peel that is very thick and leathery. This may cause the juicer to stall sometimes with this fruit. If the issue persists, please contact JBT Marel for assistance.
 3. **Juicer is operating too quickly.**
Use a lower speed setting on the settings page.

CAUTION: CUTTER AND KNIVES ARE SHARP.

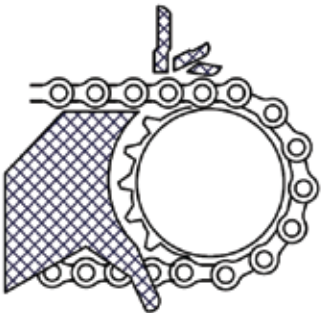
4. **Cutter is damaged.**
Sharpen or replace cutter as specified in “**Periodic Inspection**” section. Refer to **Figure 3**.
- **Juicer runs with covers open or off.**
Defective interlock switch. **Replace immediately.** See “**Safety Switch**” section.
 - **Juicer emits "squealing" sound during operation.**
Spray food grade lubricant on all rotating parts.
Lubricate grease fittings on machine.
If noise continues, linkage arms may need replacement.
See **Upper and Lower Arm assembly** pages for part numbers.
 - **Scraping noise coming from hopper area.**
Fruit lift mechanism is dragging on hopper.
Replace Fruit lift bearings, found under “**Fruit Lift**” section.


**NOTE: IF AN OPERATIONAL PROBLEM PERSISTS AFTER TROUBLESHOOTING,
CONTACT YOUR SERVICE PROVIDER FOR ASSISTANCE.**

Rebuilding

This section provides step-by-step instructions for completely rebuilding the FNS-3300 Juicer using Rebuild Kit, part number 060101003. Refer to **Figure 8**.

To replace any other components on the machine, contact Service.




WARNING

- DISCONNECT ELECTRICAL PLUG BEFORE CLEANING OR MAINTENANCE.
- JUICER SHOULD NOT RUN WHEN ANY COVER IS OPEN.
- CONTACT WITH INTERNAL MOVING PARTS COULD CAUSE SEVERE INJURY OR DEATH.
- DO NOT DEFEAT INTERLOCK SWITCHS.

FNS-3300 JUICER REBUILD KIT - 060101003

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	1	06010471	LOWER ARM ASSEMBLY, ORIFICE
2	1	06010470	UPPER ARM ASSEMBLY, CUP
3	1	060100963	BLOCK, ORIFICE SHAFT BEARING
4	1	060100836	SHAFT-ROTARY ORIFICE DRIVE
5	1	06010045	BLOCK, CENTRAL ALIGNMENT
6	1	06006101	ROTARY MAIN DRIVE SHAFT
7	4	06000068	BEARING - FRUIT LIFT & ORIFICE ARM
8	2	06000064	SHAFT-LINEAR U.C. DRIVE
9	1	06000063	SHAFT-LINEAR ORIFICE DRIVE
10	1	005806374	SPROCKET, IDLER, #60, 12T, 3/4" P
11	2	005576286	KEY, SQ, 3/8" X 1-1/4" LG, 304SS
12	2	005575241	KEY, SQ, 1/4" X 1-1/4" LG, RD EDGES, ZINC PLTD CARBON STL
13	1	060101053	CHAIN, #60, SINGLE STR, 70 LINKS
14	2	005098112	THRUST WASHER GARLOCK #G14DU
15	2	005062805	WASHER, THRUST, 1-1/2" ID X 2-1/2" OD
16	3	004541138	SCREW, SOC SET CUP POINT, 3/8-16 X 3/4, SS ELASTIC PELLET

Rebuilding (continued)

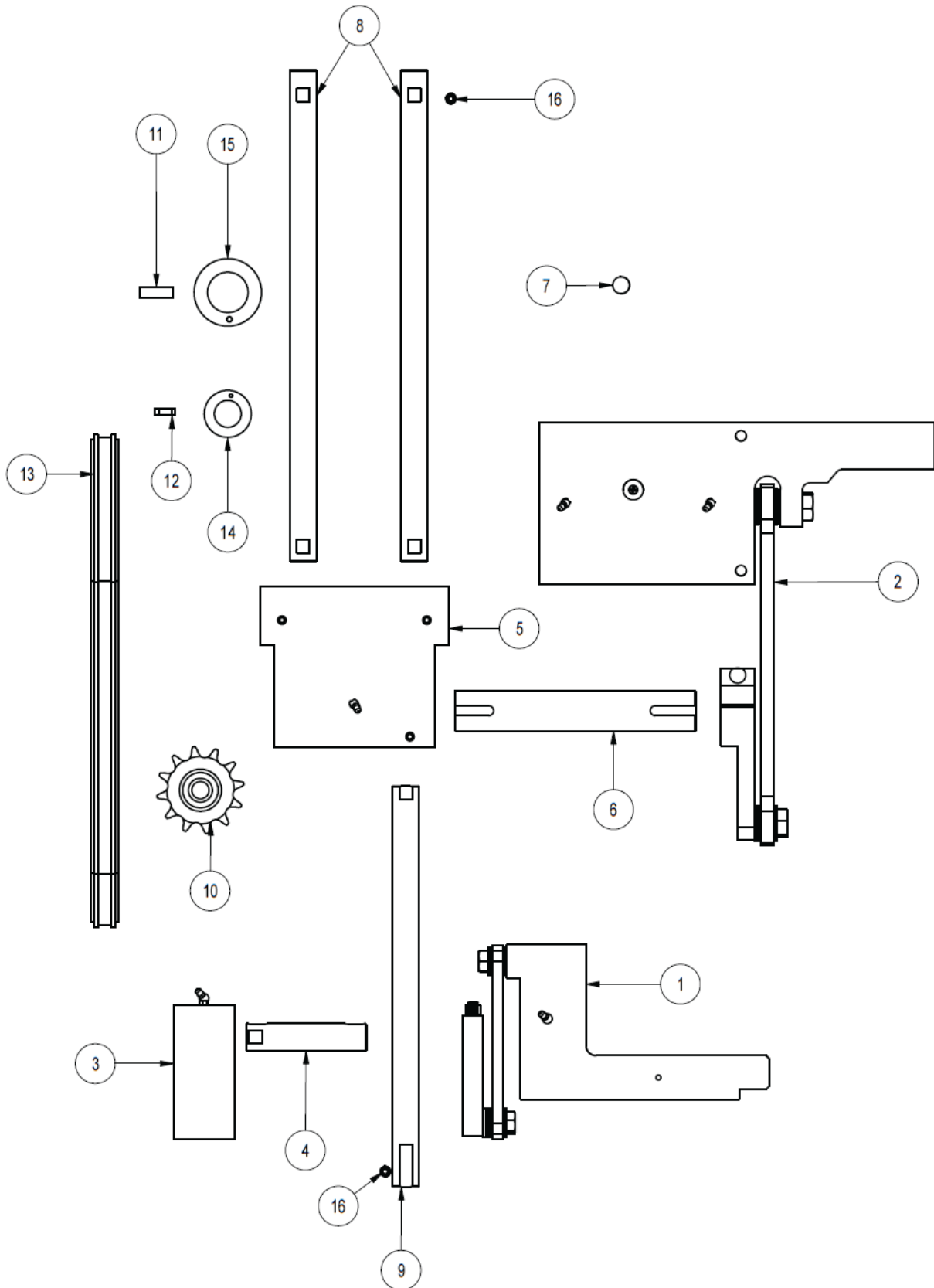
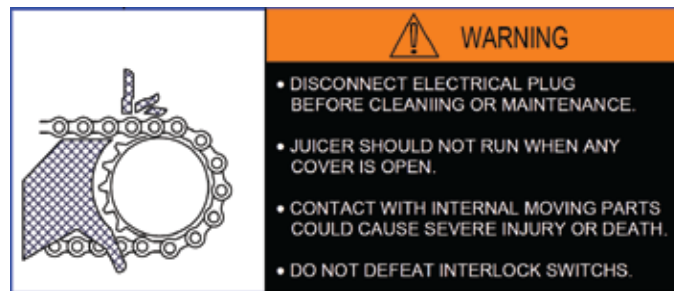


Figure 8. Rebuild kit, 060101003

Rebuilding (continued)

It is best to replace all parts with bearings at the same time.



Instructions for replacing all bearings, Refer to Service Videos for more details.

1. Remove reservoir and all juicing components.
2. Put machine in lowest possible position using manual controls found on “**Service Screen**”. Refer to “**Service Screen**” section.
3. Remove Front Door (Front door lifts off hinges) and All Covers, Sides and Top. Remove hopper lid prior to removing top cover so interlock switch and cable does not need to be removed. Remove Hopper by removing the two acorn nuts holding it in place. Remove splash guards on front of machine. Refer to **Figures 9, 10 and 11**.

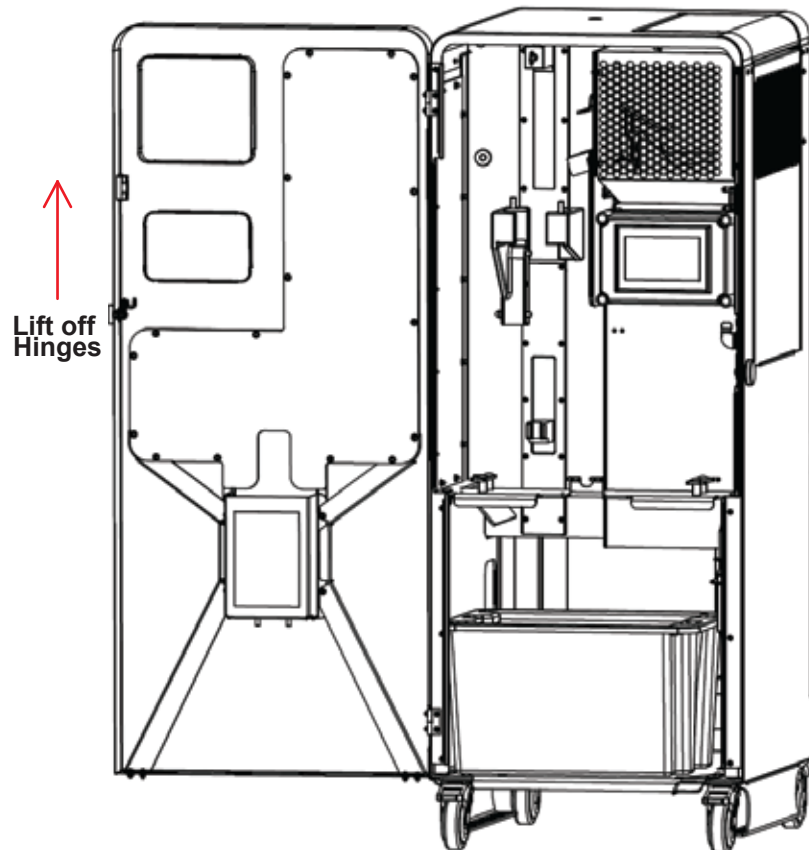
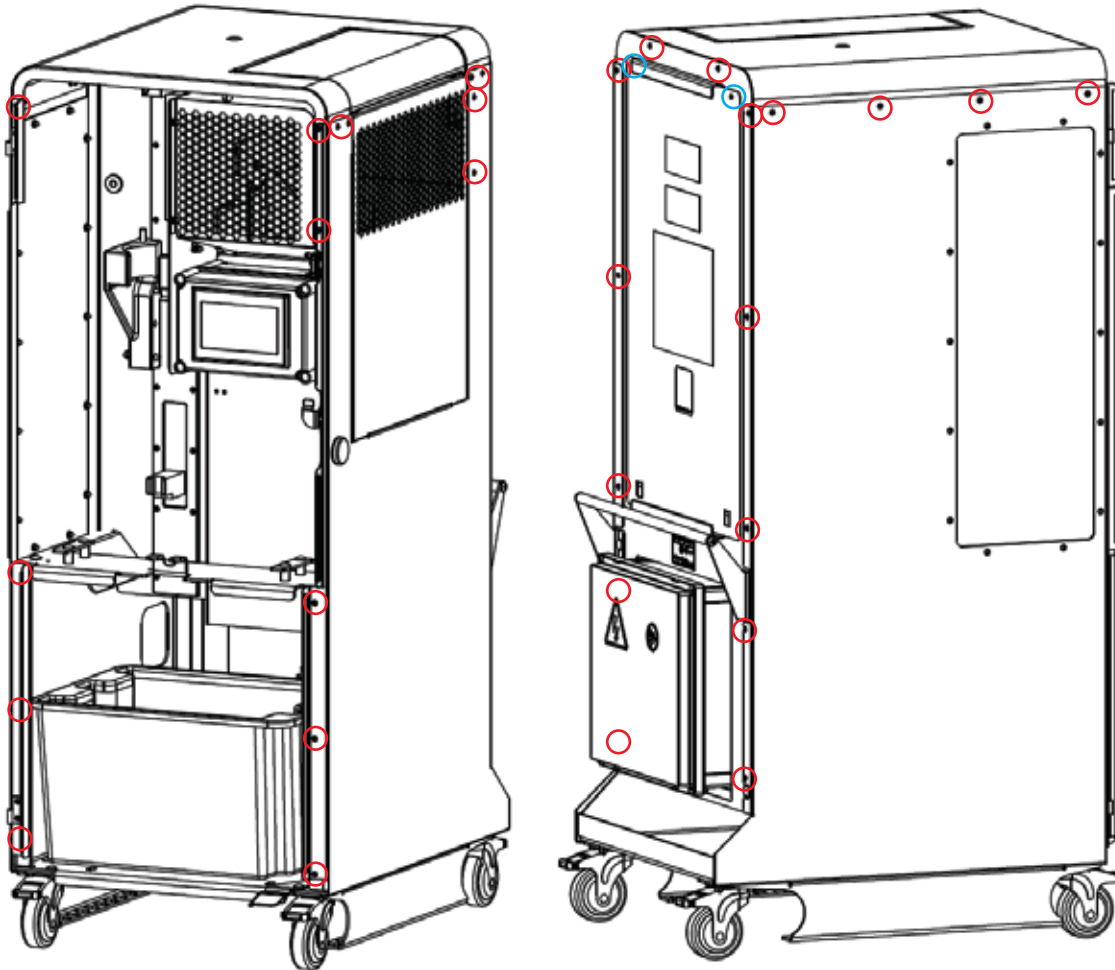


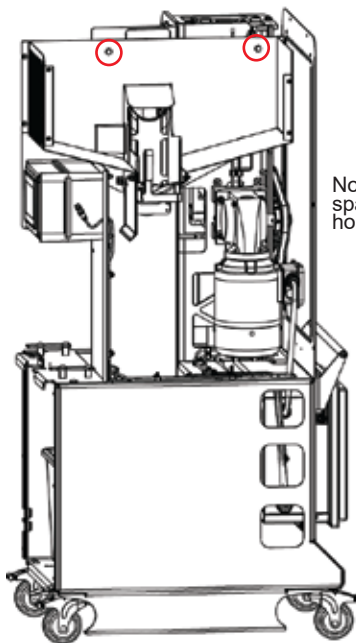
Figure 9. Lift Door off Hinges.



Notes:

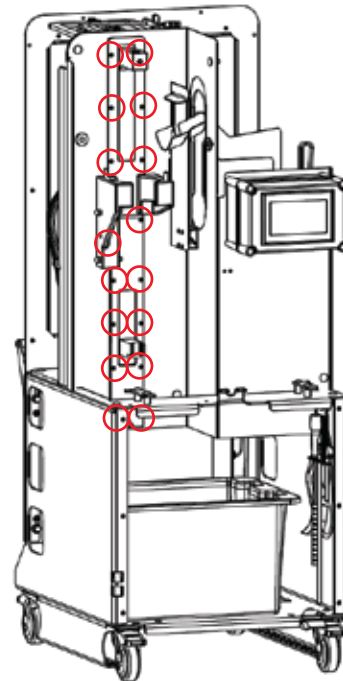
1. The two blue screws holding the service panel on are #8 spanner screw. The drill bit for these is PN 00998004.
2. Un-screw the safety switches from their cables to remove door, side cover, and hopper.

Remove Covers



Notes: Do not lose spacers that space the hopper behind these nuts.

Remove Hopper



Remove Splash Guards

Figure 10. Removing Parts to rebuild Machine.

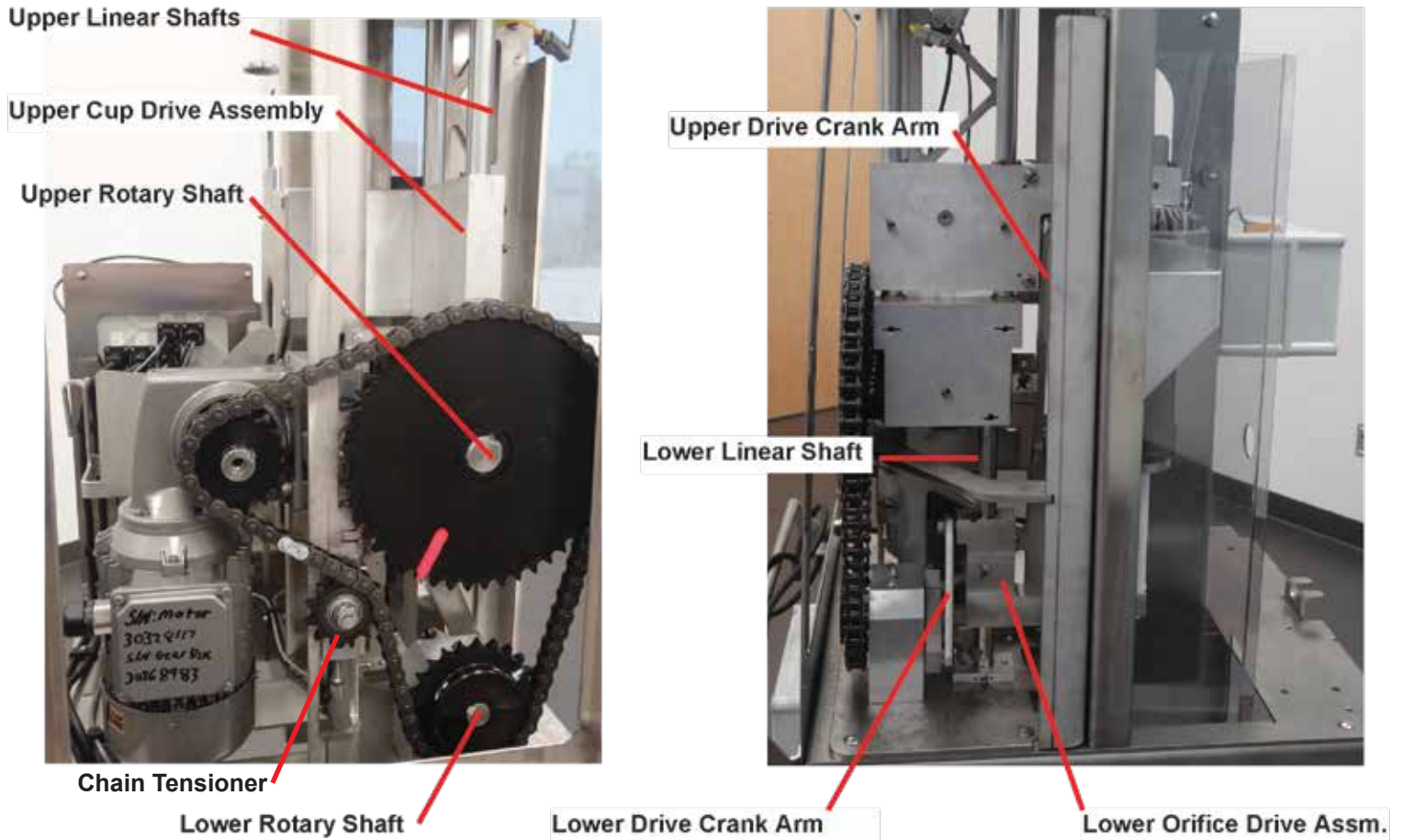
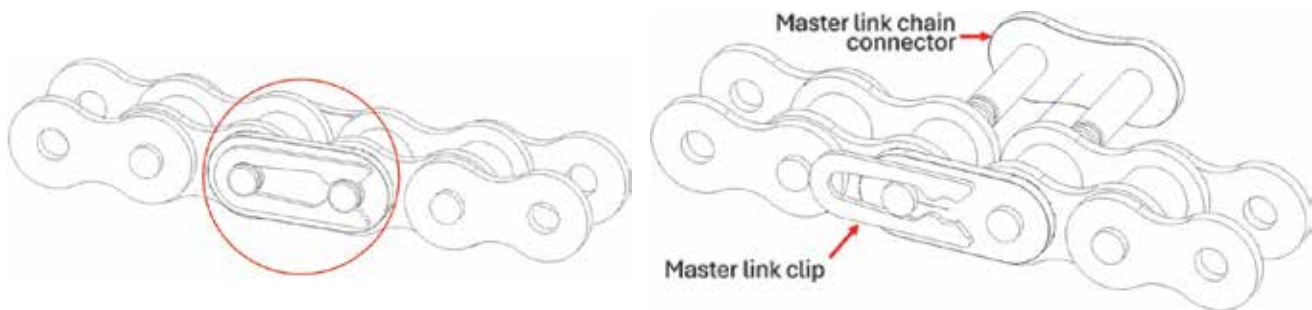


Figure 11. Drive train of machine.

4. Release tension in chain by loosening chain tensioner, then locate and remove the chain master link to remove the chain.

CAUTION: ROTATING ASSEMBLY WILL FALL WHEN CHAIN IS REMOVED.



Rebuilding (continued)

5. With chain removed, use 3/16" and 5/16" Allen wrenches to loosen the set screw and the socket head cap screw on crank arm for upper cup drive.

(Use Motor Shaft Service Tool 06010400 to rotate gear motor as necessary).
Refer to **Figure 12**.

Repeat above steps on crank arm for lower drive.
Refer to **Figure 13**.



Figure 12. Use Allen Wrench to Loosen Upper Cup Crank Arm.



Figure 13. Loosening Lower Crank Arm.

Rebuilding (continued)

6. **Remove linear shafts.**

With a 3/16" Allen wrench, loosen set screws at top and bottom of all three shafts. Back screws out at least 1/4" to clear flats on shafts. If shafts are stuck, use bearing removal puller with 3/8"-16 x 2" hex head cap screw to break free shafts.

(Note: Lower Shaft will be removed downward through the waste bin area)

Refer to **Figure 14**.

7. **Remove upper and lower drive assemblies.**

After loosening the upper and lower drive crank arms and removing the linear guide shafts, remove both drive assemblies out of the machine. The upper assembly will need the Fruit Lift mounting block removed; these are the two bolts going through the side of the upper arm.

Refer to **Figure 15**.

8. Using a similar process to step 4 Remove sprockets, keys, and thrust bearings from shafts and then shafts from frame. Pull or pry on large diameter upper drive sprocket, repeat for lower drive sprocket.

Refer to **Figure 16**.



Figure 14. Removal of Linear Shafts



Figure 15. Removal of Upper and Lower Drive Arms with Linkages and Crank Arms

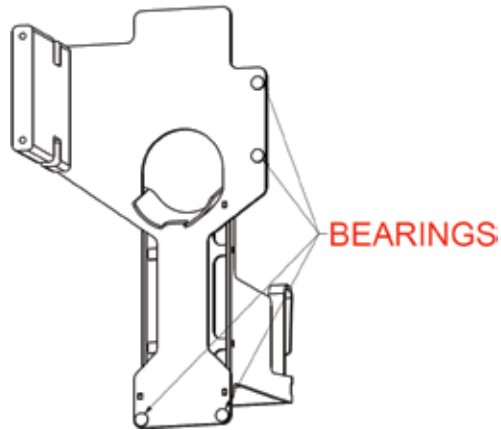


Figure 16. Loosen Set Screws and Socket Head Screws and Remove Sprockets and Shafts

Rebuilding (continued)

9. Replace Fruit lift bearings on Fruit lift.

Replace the plastic Fruit lift bearings that the Fruit lift ride on. Push the old ones out and push the new ones in. There are four in total.



10. Remove and replace Chain Tensioner sprocket.

Remove Chain Tensioner sprocket by removing large nut that holds sprocket onto bolt. Replace with new Chain Tensioner wear sprocket. This is **Item 10** in **Figure 8**.

Refer to **Figure 17**.

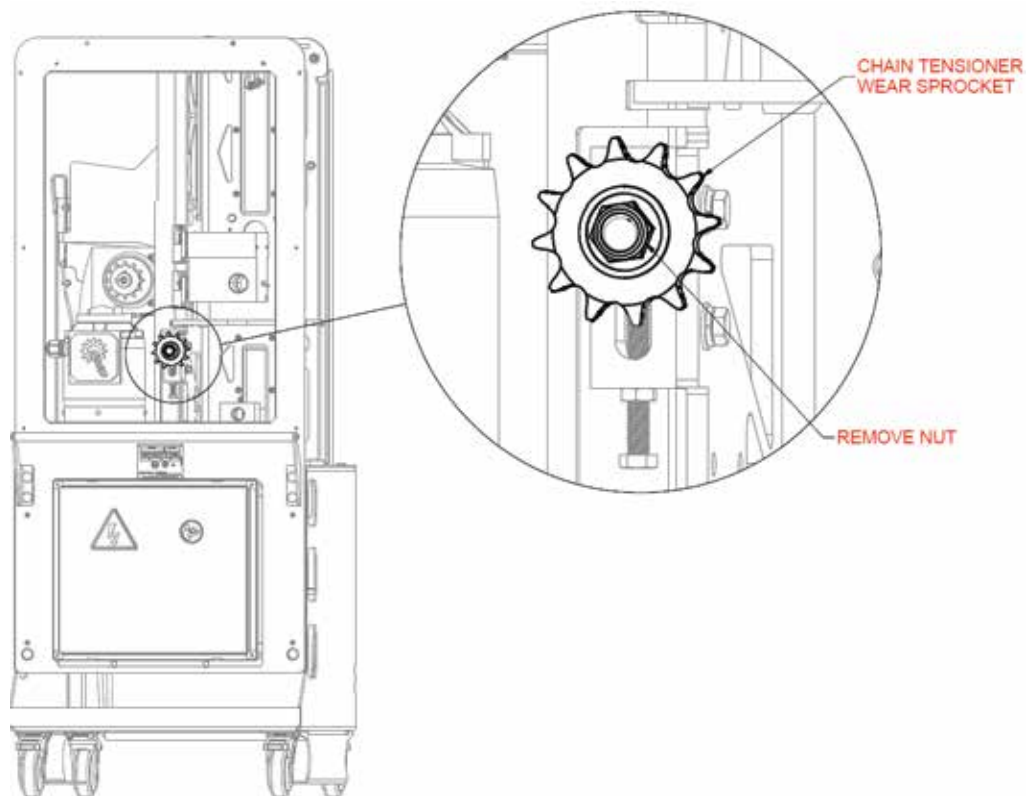


Figure 17. Remove and Replace Chain Tensioner Wear Sprocket.

Rebuilding (continued)

11. Remove and replace Central Alignment Block.

Loosen the four screws holding the Central Alignment block onto the frame.

DO NOT LOSE THE SPACERS.

Replace the block with the new one, installing in the same way the old one was installed.

Torque each bolt to 15 ft-lbs.

This is **Item 5** in **Figure 10**.

Refer to **Figure 18**.

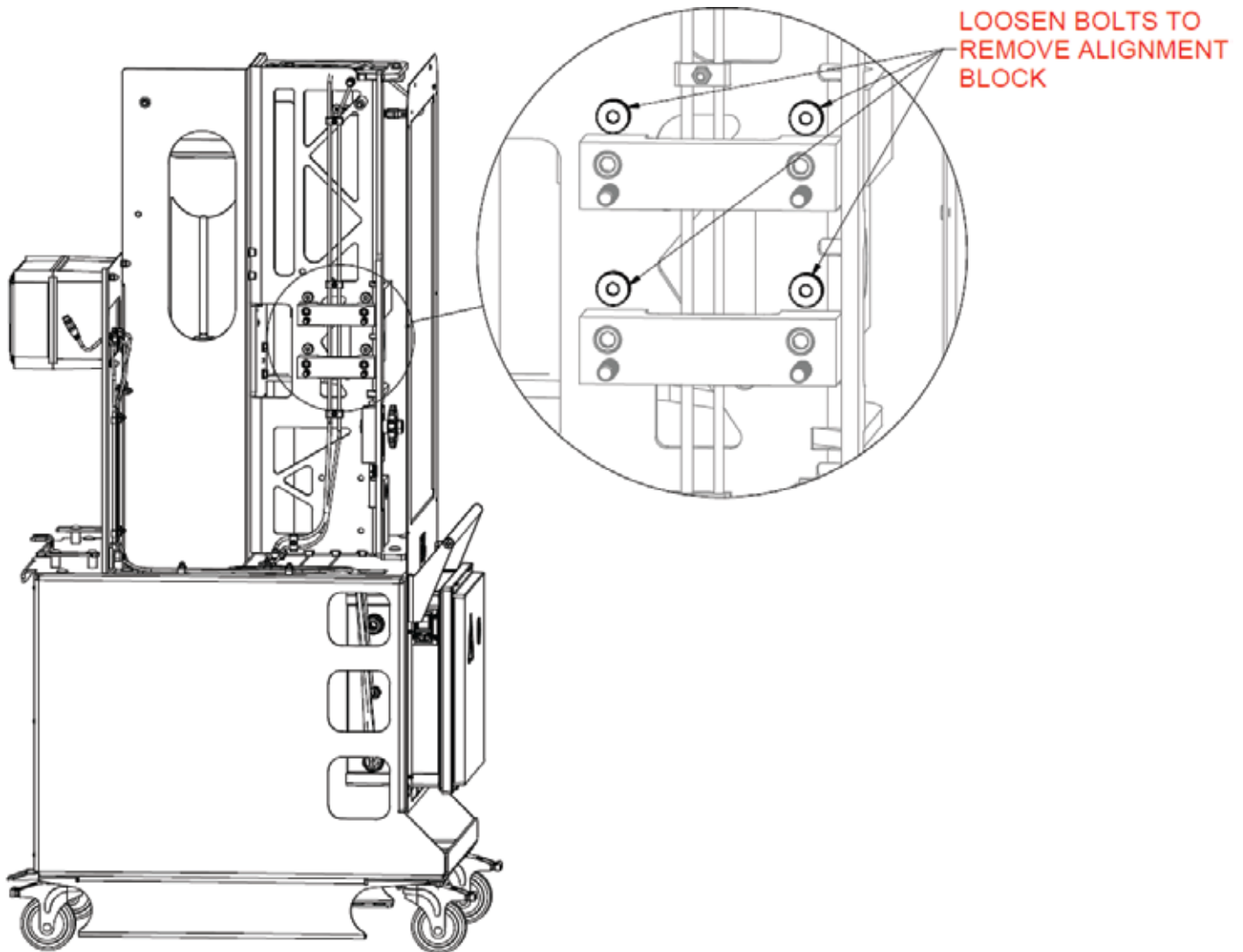


Figure 18. Remove and replace Central Alignment Block.

Rebuilding (continued)

12. Remove and replace Orifice Drive Block.

Loosen the four screws holding the Orifice Drive block onto the frame.

Replace the block with the new one, installing in the same way the old one was installed.

This is **Item 3** in **Figure 10**.

Refer to **Figure 19**.

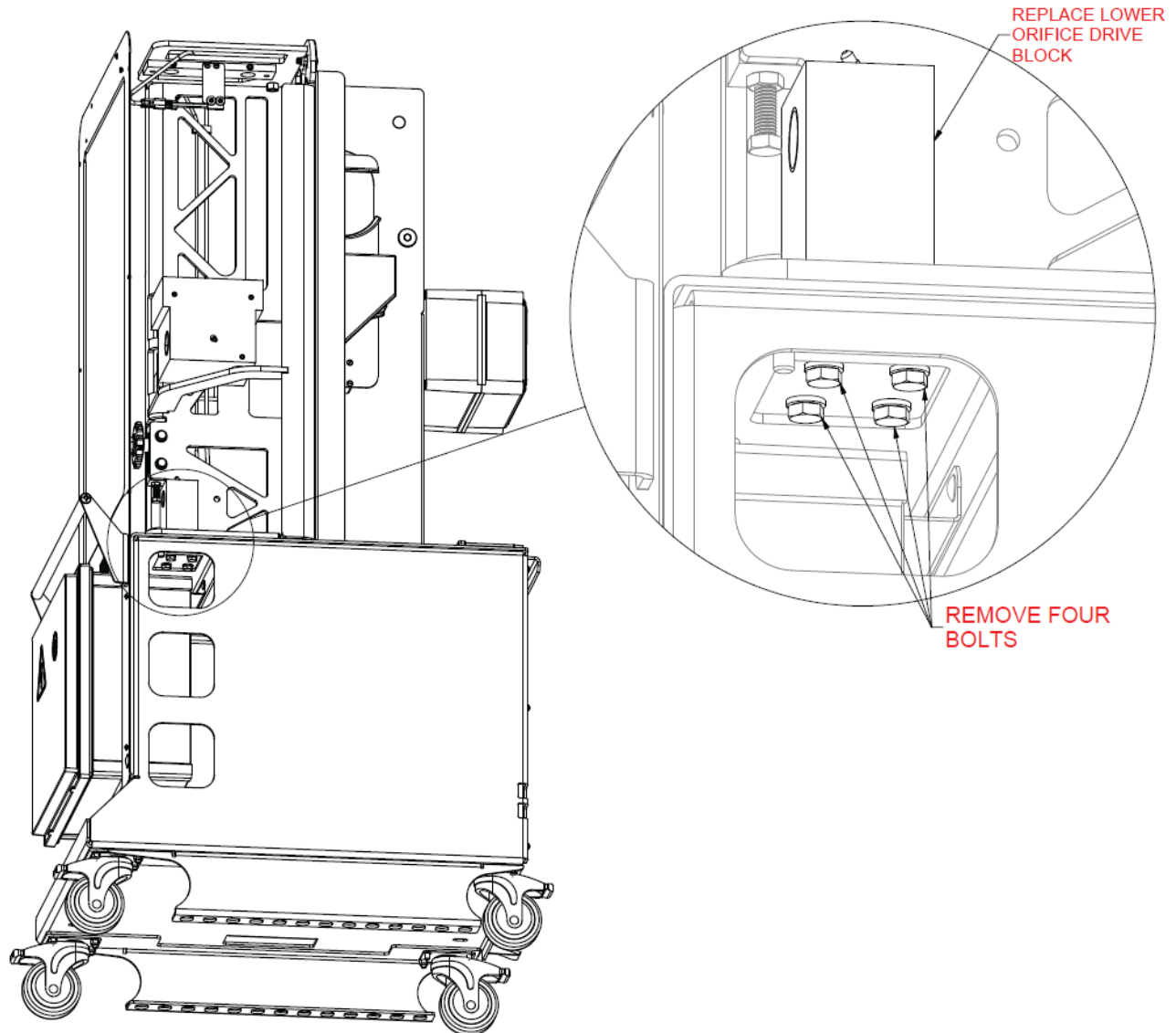


Figure 19. Remove and Replace Orifice Drive Block.

Rebuilding (continued)

13. Install new drive shafts with thrust washers.

Slide drive shafts into newly installed blocks and install two new thrust washers on both sides of each drive shaft (four in total). The metal side of the thrust washers should contact the blocks.

These are **Items 4, 6, 14 and 15** in **Figure 8**.

Refer to **Figure 20**.

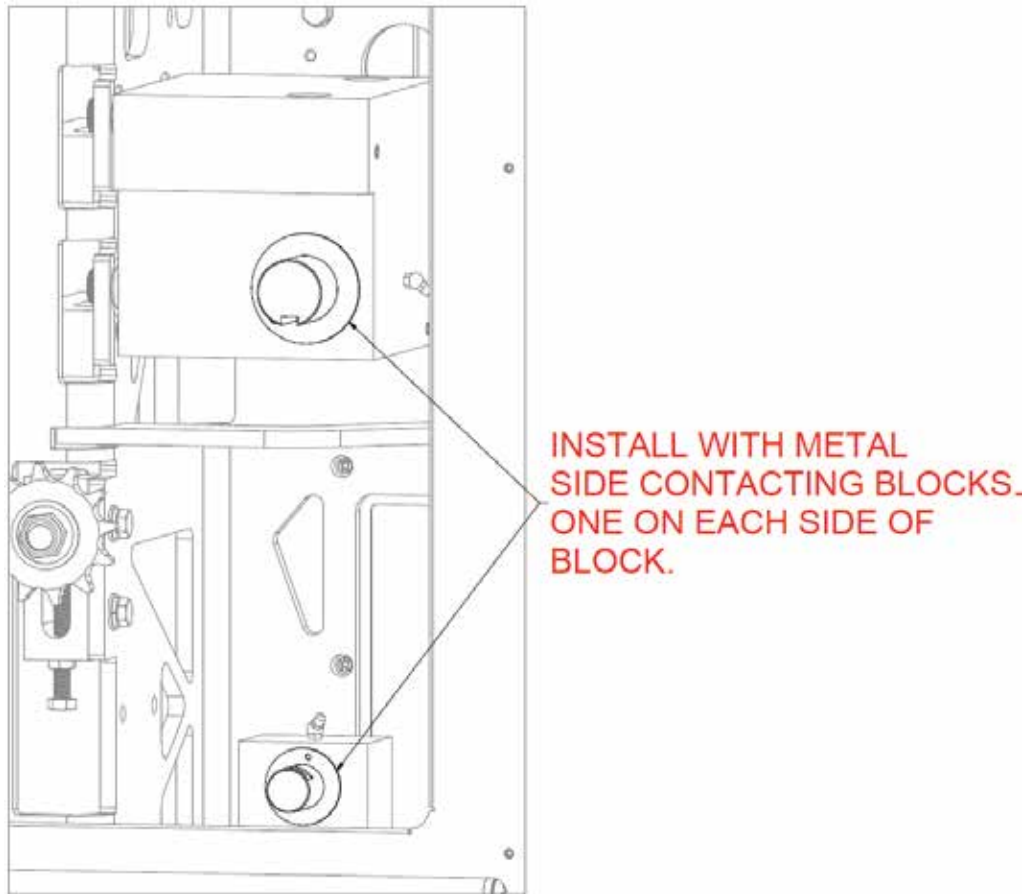


Figure 20. Install new Drive Shafts with Thrust Washers.

Rebuilding (continued)

14. Install new Drive assemblies with Guide shafts.

Install new upper and lower Drive assemblies with linear Guide Shafts going through them. Ensure to install keys into drive shafts before sliding cranks onto shafts. Rotate assemblies manually to ensure they are properly installed and do not interfere with anything. Re-bolt Fruit lift and Fruit lift mount onto Upper cup Drive arm.

TIGHTEN CRANK ARM BOLTS FIRST BEFORE SET SCREWS ON SHAFTS.

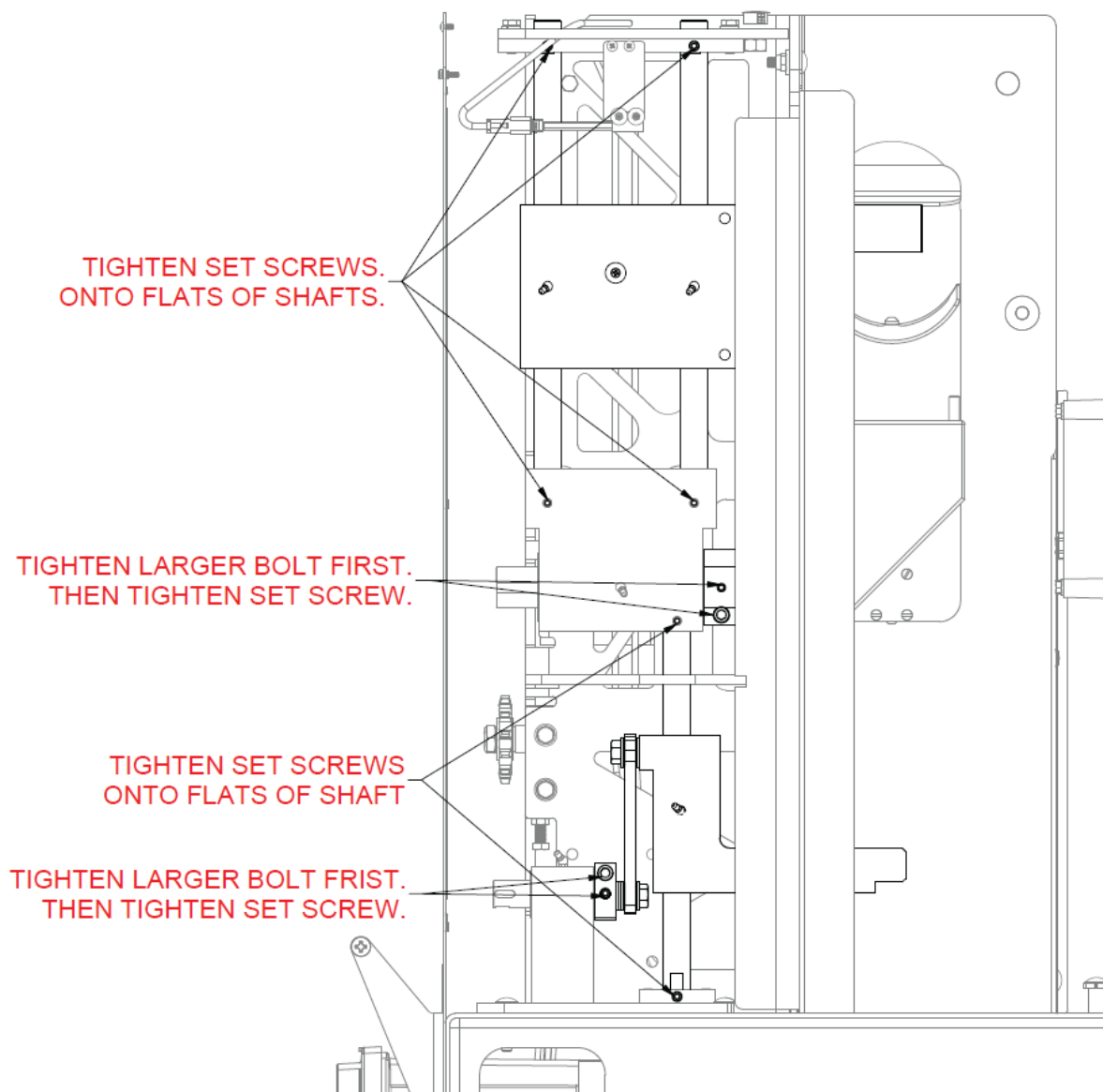


Figure 21. Install Upper and Lower Drive assemblies and Guide Shafts.

Rebuilding (continued)

15. Install sprockets and Chain.

Re-install sprockets and chain. Install keys onto shafts and tighten larger sprocket bolts first and then tighten set screws. Ensure to time machine correctly based on timing marks. Tighten Chain Tensioner once installed. Chain should have about 1/4" of slack.

Lubricate grease fittings with JBT Marel Select 2FG grease, p/n 575066.

Refer to **Figure 22**.

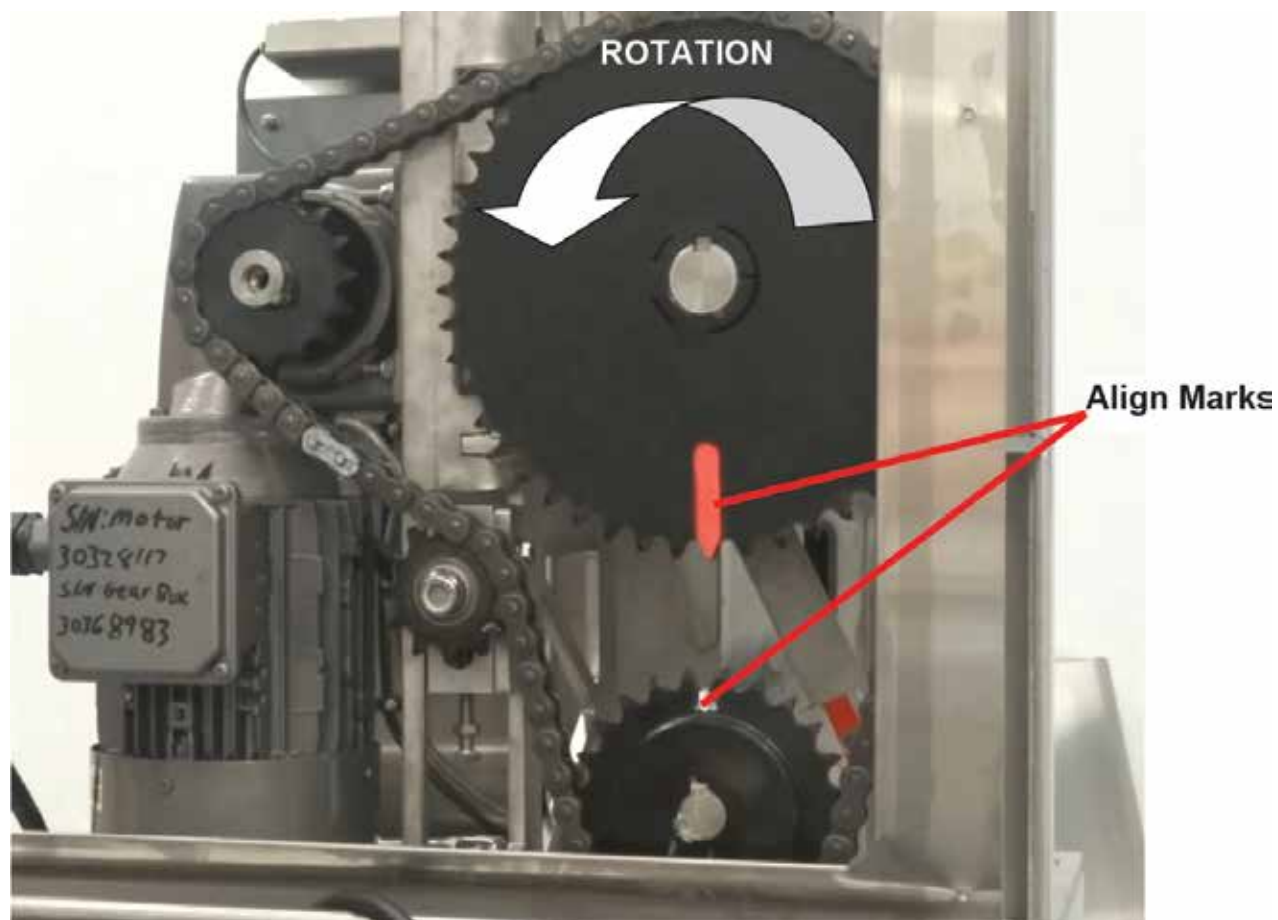


Figure 22. Alignment of Timing Marks.

16. Re-install covers, safety switches, Hopper, splash guards and door.

Be sure to re-install all pieces that were removed for rebuilding in the same way they were initially removed. The spacers need to be install on the Hopper when bolted back together. Refer to “**Splash Guards**” section for installation of the splash guards. Re-connect all safety switches and sensors that may have been removed for rebuilding.

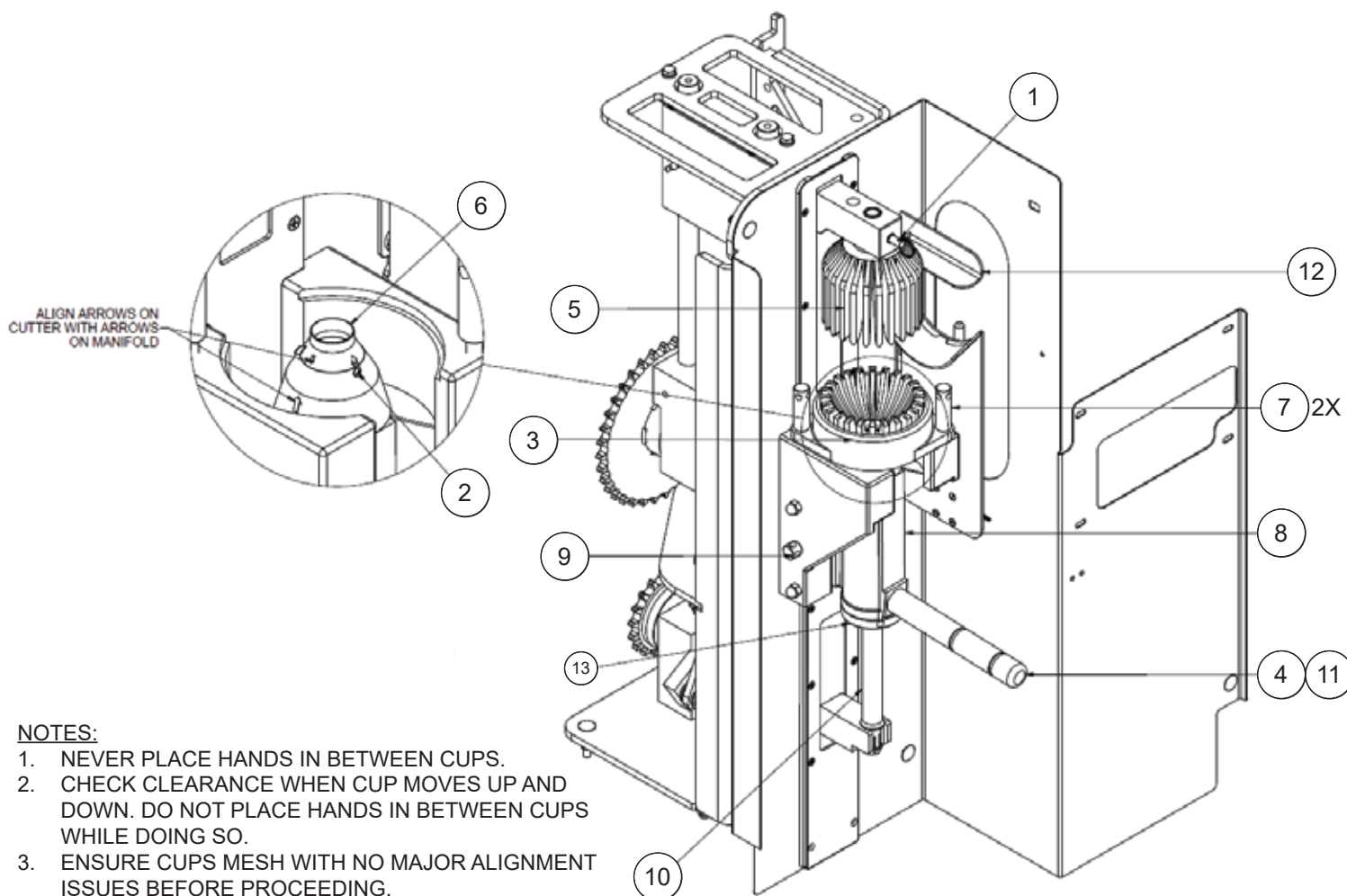
Illustrated Parts Lists

Assembly drawings in this chapter provide a list of part numbers for replaceable parts available for the FNS-3300 Juicer. The following parts list/drawings are provided:

Parts List / Parts Drawing	Page
1. Reservoir Juicing Components	42
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26. Decals	69
27. Reservoir Front Door	70
28. Self Serve "Tap" Front Door	71
29. Casters	72

1. Reservoir Juicing Components

Item	Qty	Part Number	Part Number
1	1	004220037	Retaining Pin, Stainless Steel
2	1	004406003	Screw, Machine, Round, #4-40 X 3/16" Lg, 304SS
3	1	06000004	Cup, Lower, Machined
4	1	060101002	Nozzle with O-Rings, FNS-3300
5	1	06000027	Cup, Upper, Assembly
6	1	06000225	Cutter and Knives, Machined
7	2	06000098	Nut, Spanner
8	1	06000108	Manifold, Juice
9	1	06010073	Screw, Spanner
10	1	06010143	Tube, Orifice, Snap In
11	1	007486119	O-Ring, Nozzle, Viton, 1/16" Section
12	1	06010550	Fruit Guide, Stainless Steel
13a	1	06000086	Tube, Strainer, MFJ, .033 (Standard)
13b	1	06000289	Tube, Strainer, MFJ, .028 (Least Pulp)
13c	1	06000208	Tube, Strainer, MFJ, .040 (More Pulp)
13d	1	06000230	Tube, Strainer, MFJ, .055 (Most Pulp)

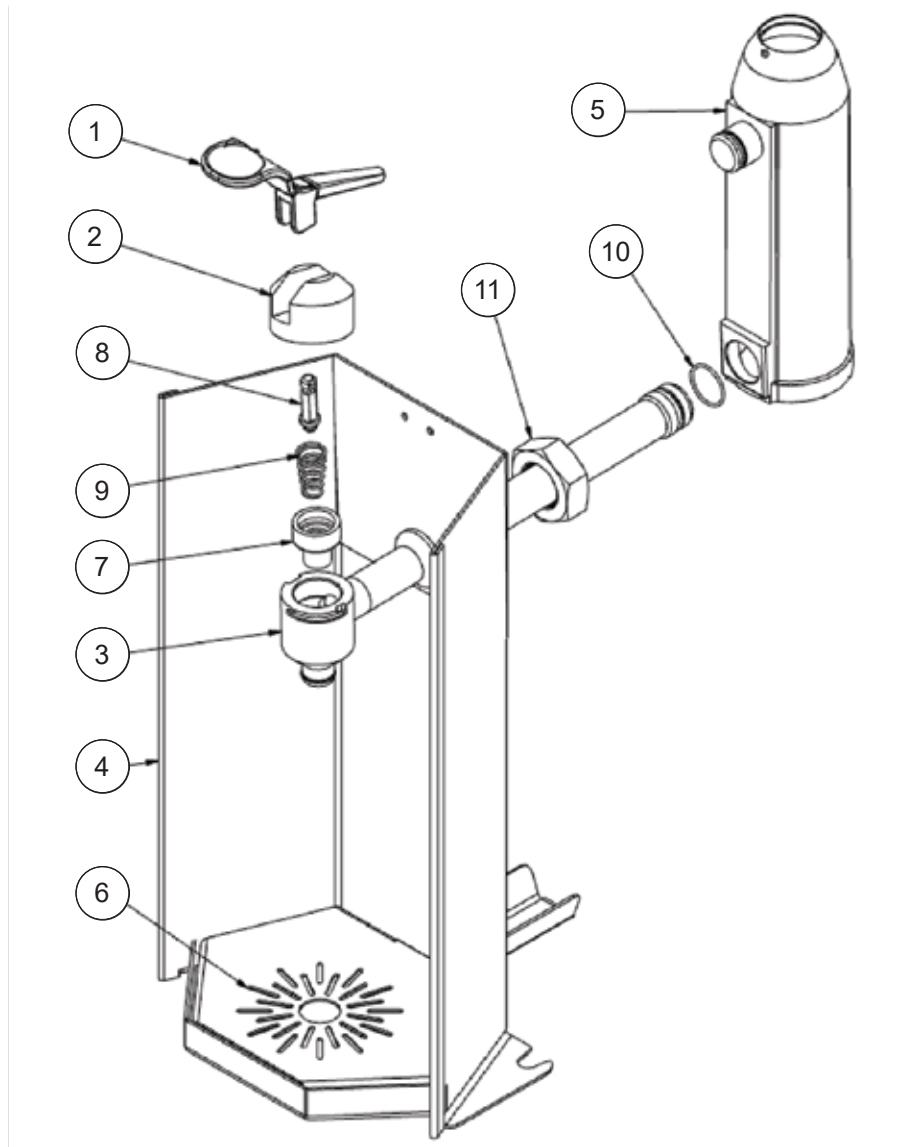


NOTES:

1. NEVER PLACE HANDS IN BETWEEN CUPS.
2. CHECK CLEARANCE WHEN CUP MOVES UP AND DOWN. DO NOT PLACE HANDS IN BETWEEN CUPS WHILE DOING SO.
3. ENSURE CUPS MESH WITH NO MAJOR ALIGNMENT ISSUES BEFORE PROCEEDING.

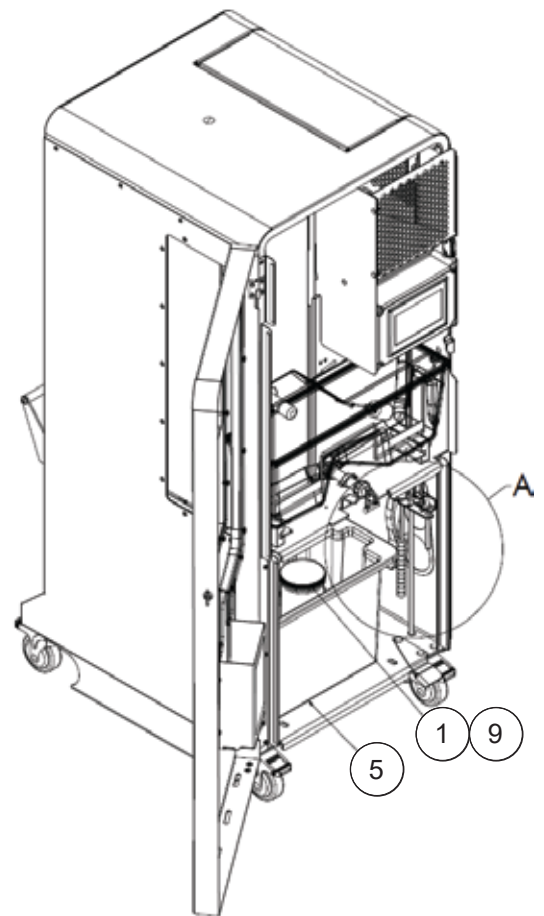
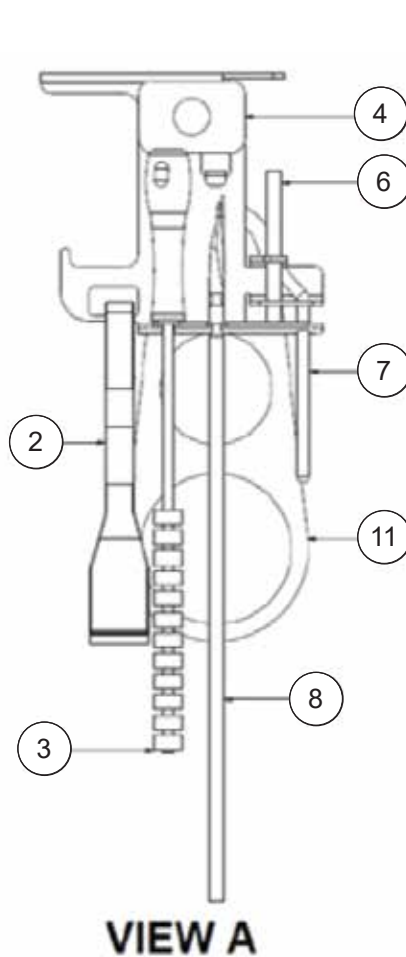
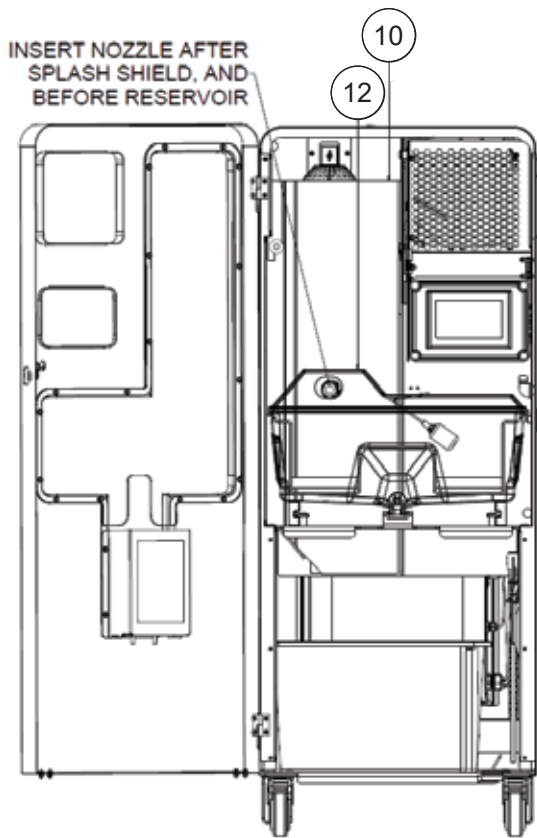
2. Self-Service Specific Juicing Components

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	1	06010497	Handle Momentary
1a	1	06010498	Handle Continuous
2	1	06010485	Spout Cap
3	1	06010482	Spout Body
4	1	06010479	Self-Service Housing
5	1	06010442	Manifold with Vent
6	1	06010429	Drip Tray Cover
7	1	009210043	Seat Cup
8	1	009210042	Stem
9	1	009210041	Spring
10	1	007486119	O-Ring, Nozzle, Viton, 1/16" Section



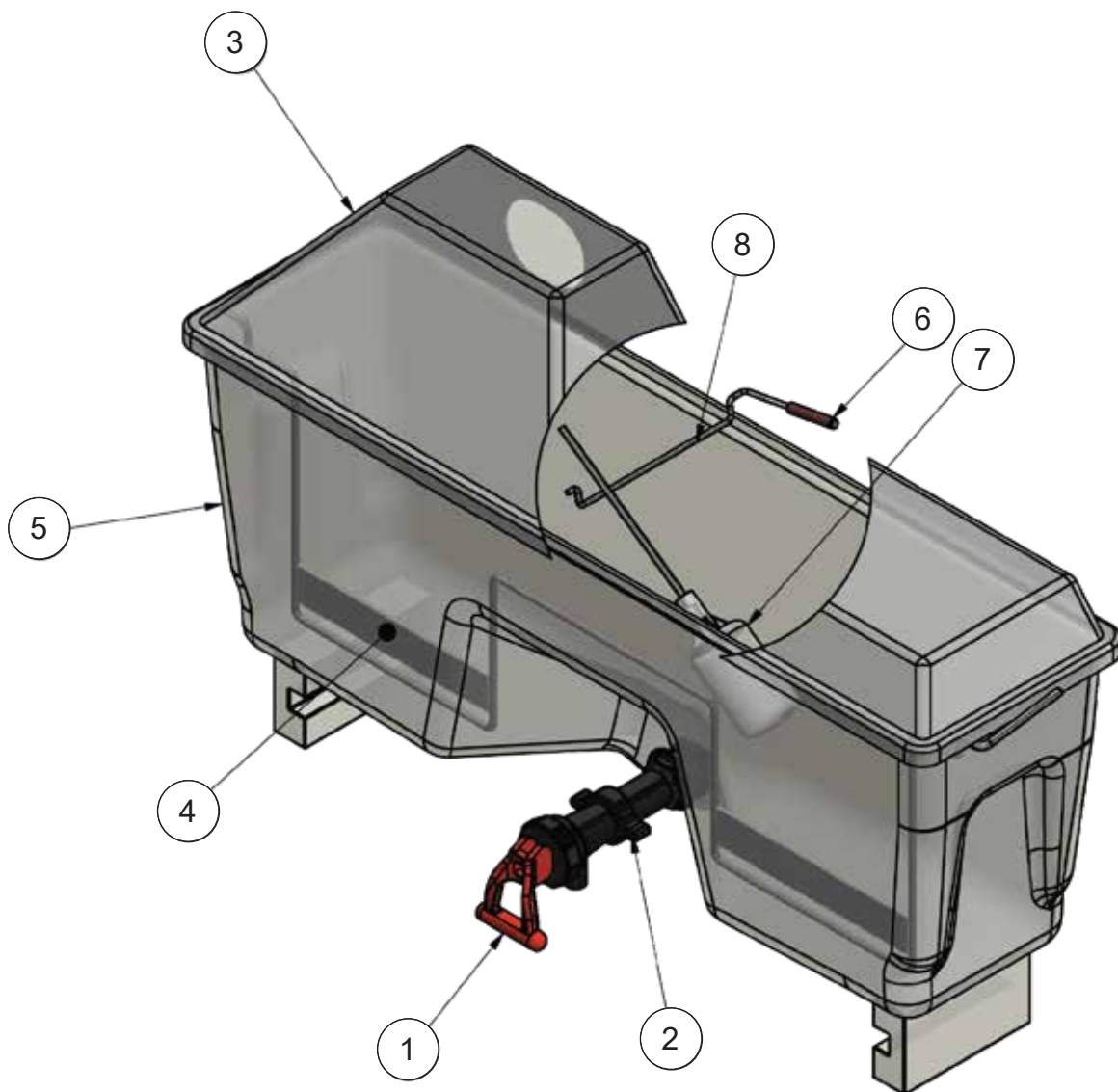
3. Splash Shield, Waste bin, Tools and Accessories

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	1	003091001-2	Cleaner, Corklean, 2 lbs
2	1	009080327	Brush, Dish
3	1	009080328	Brush, Tube, 1"
4	1	009092018	Cap, Cover
5	1	009092023	Waste Container, 21" X 17" X 12", Polyethylene, Grey
6	1	009710031	Stone, Sharpening, Half Round
7	1	06000077	Tool, Wrench, 5/16" Diameter
8	1	06000084	Rod, Orifice Clean Out
9	1	06001127	Cleaning Component Kit
10	1	06010188	Splash Shield
11	1	06010359	Triple Fruit Sizer, Hand-Held
12	1	06010096	Reservoir Assembly, Complete, FNS-3300



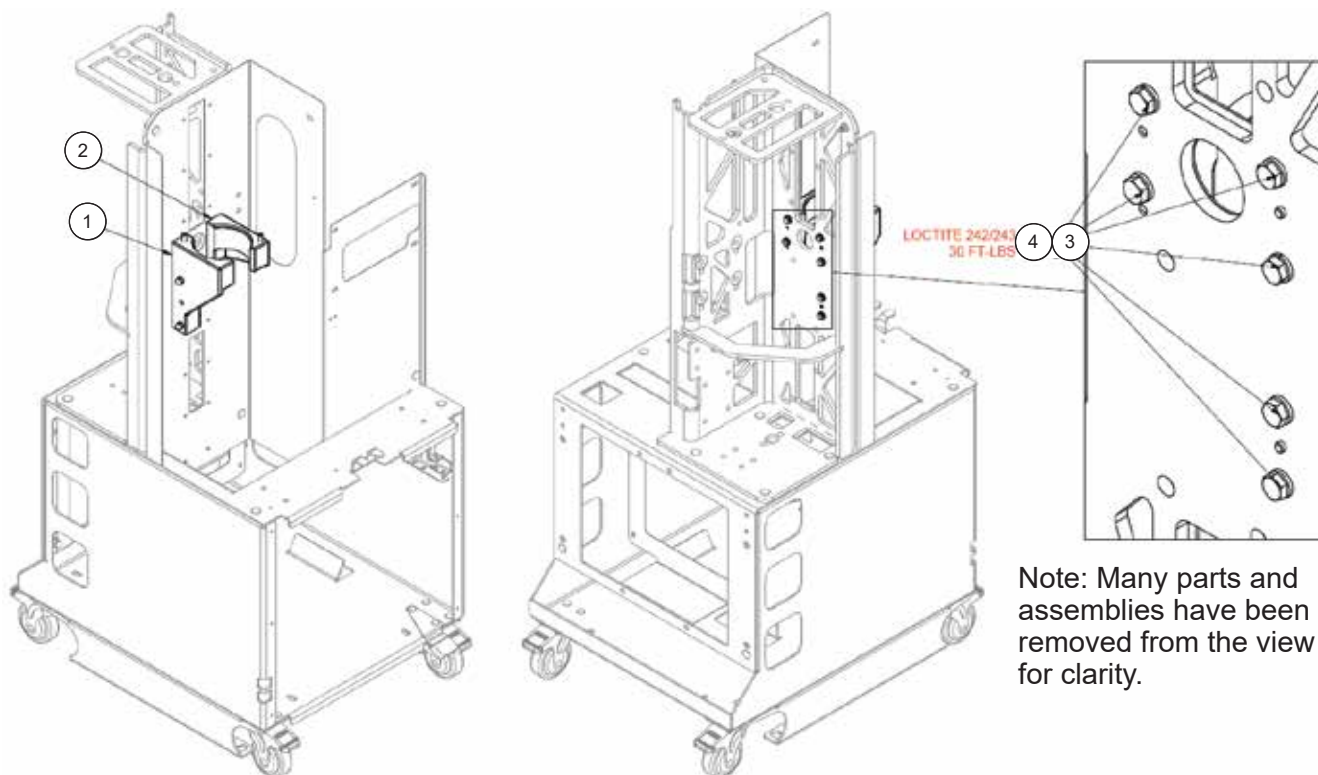
4. Reservoir and Components - [06010096](#)

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	1	009210032	Faucet, Front Handle, Threaded, Black Nylon
2	1	009998005	Shank, Round, 1/2-14 Npsm Threads, Black Nylon
3	1	06000025	Lid, Reservoir
4	1	06010266	Stirrer, Reservoir Knob Type
5	1	06010310	Reservoir, Bottom
6	1	06010522	Magnet with Holder
6a	1	006210291	Magnet
6b	1	06000140	Magnet Holder
7	1	06010525	Float
8	1	06000137	Frame, Float Pivot

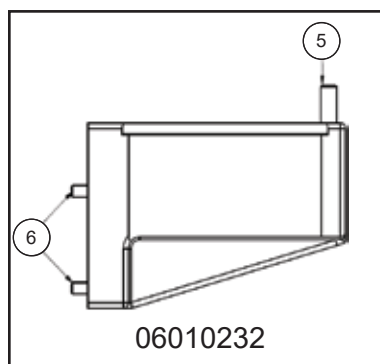


5. Cup Mounting Blocks

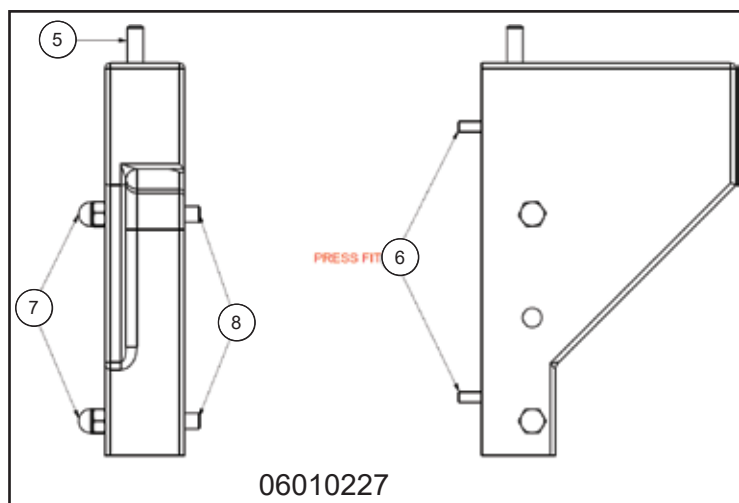
Item	Qty	Part Number	Part Number
1	1	06010227	Cup Mount, LH, FNS-3300/FNS-2500, 2nd Gen MFJ
2	1	06010232	Cup Mount, RH, FNS-3300/FNS-2500, 2nd Gen MFJ
3	6	004352395	Screw, Cap, Hex, 3/8" x 1, SS
4	6	004806070	Washer, Lock, SS, 3/8"
5	2	06000109	Stud, Cup, Lower (Comes with 06010227 and 06010232)
6	4	004210044	Pin, Dowel, 1/4" x 1-1/8"LG, SS (Comes with 06010227 and 06010232)
7	2	004100018	Nut, Cap, Acorn, 3/8"-16, SS (Comes with 06010227)
8	2	060100852	Dowel, Press Fit, Threaded, 3/8"-16, SS (Comes with 06010227)



Note: Many parts and assemblies have been removed from the view for clarity.

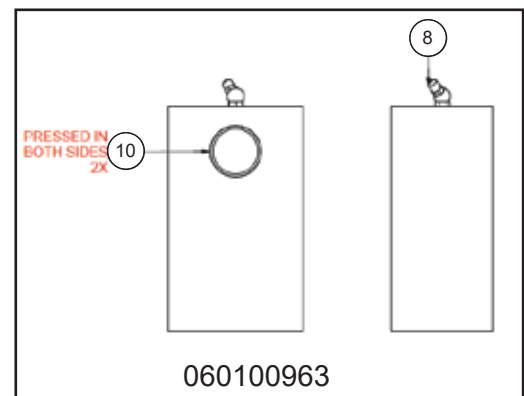
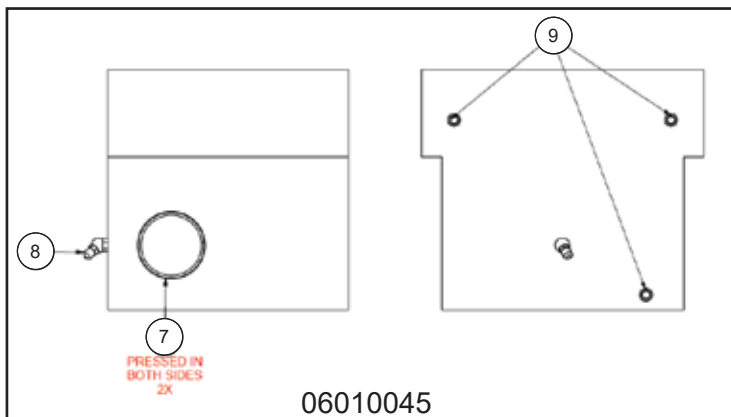
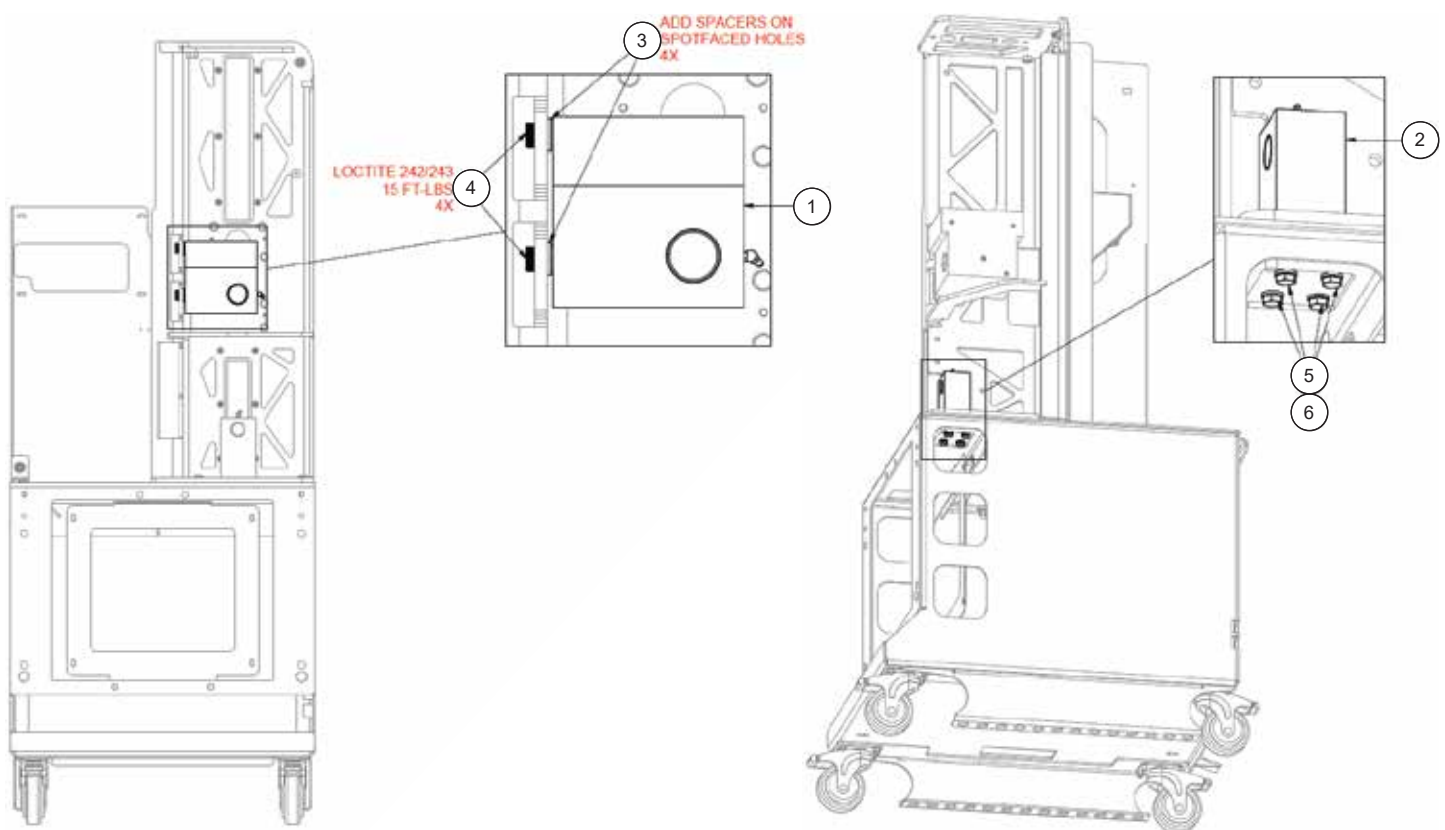


Note: Hardware is included in assemblies.



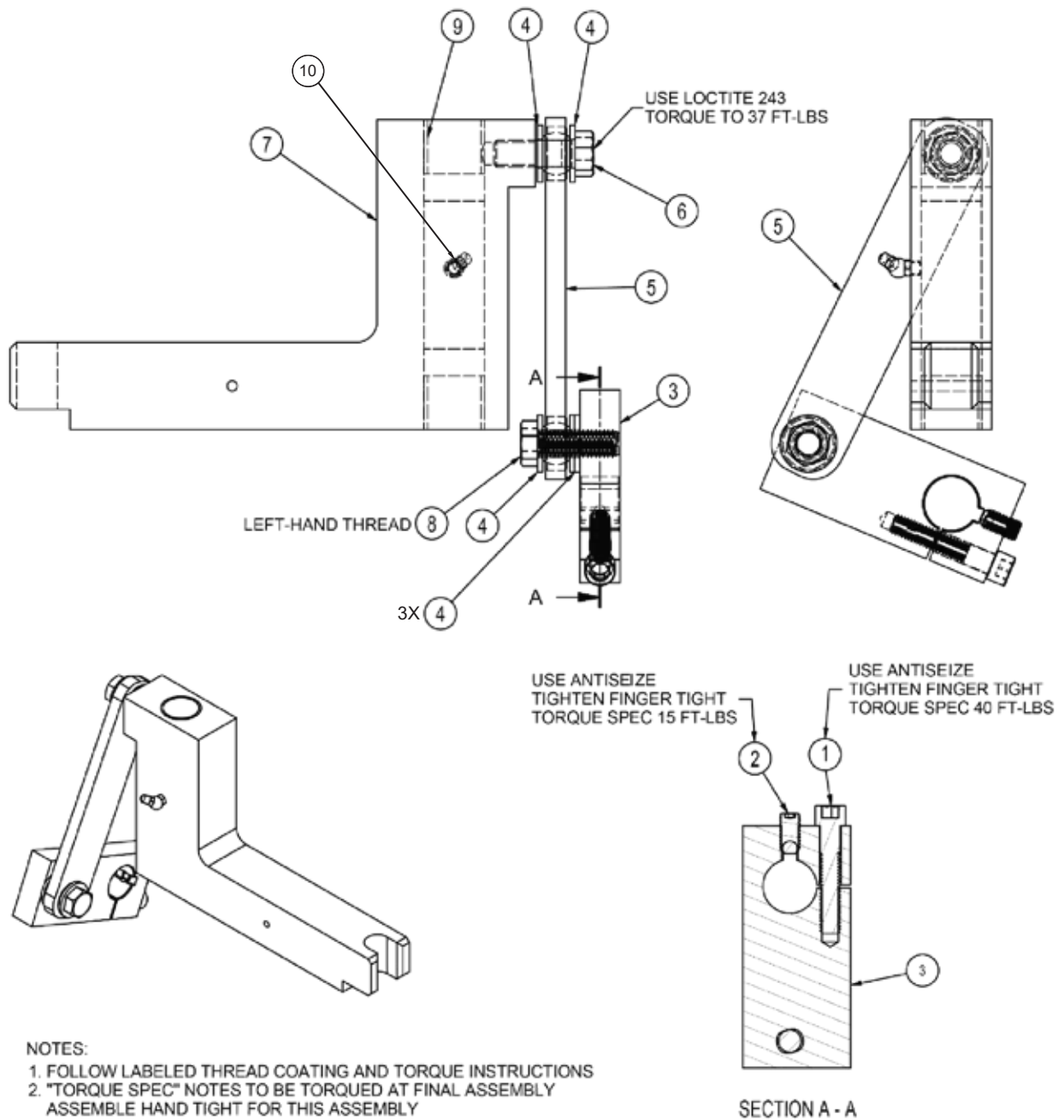
6. Drive Shaft Blocks

Item	Qty	Part Number	Part Number
1	1	06010045	Central Alignment Block, FNS-3300/FNS2500, 2nd Gen MFJ
2	1	060100963	Orifice Drive Block, FNS-3300/FNS-2500
3	4	06010069	Spacer, Central Alignment Block, FNS-3300/FNS-2500, 2nd Gen MFJ
4	4	004415014	Shoulder Screw, Hex Socket Head, 3/8"-16 x 5/8", SS
5	4	004352397	Screw, Cap Hex, Full Thd, 3/8"-16 x 1-1/2", SS
6	4	004806070	Washer, Lock, SS, 3/8"
7	2	005098772	Bearing, 1-1/2" x 2", Garlock
8	2	007120205	Grease Fitting, 45 Degree Angle, 1/4-28 Thread
9	3	004541138	Set Screw, Socket Drive, Cupped Tip, 3/8-16 x 3/4", SS
10	2	005098731	Bearing, 1" x 1", Garlock



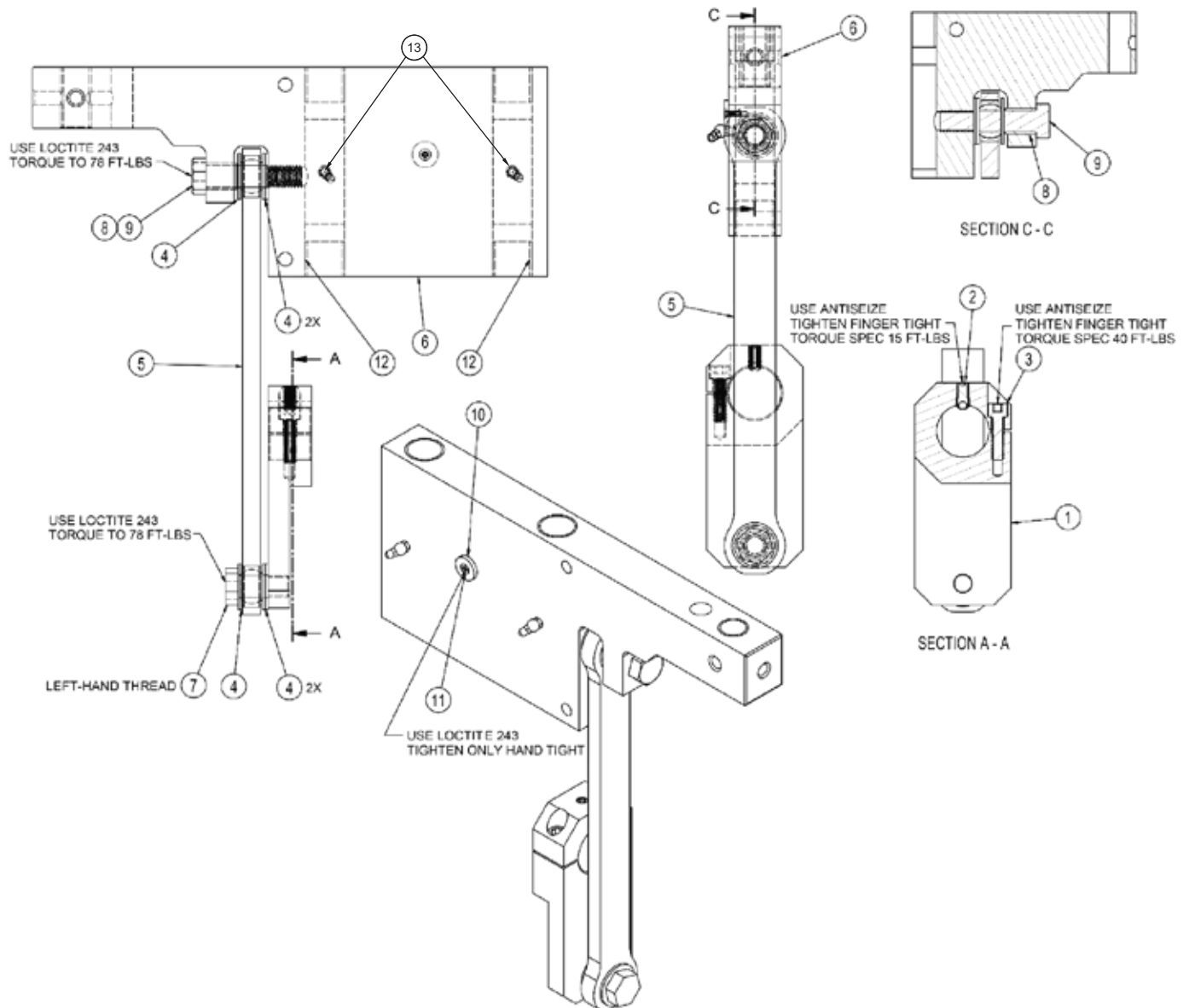
7. Lower Orifice Drive Assembly - [06010471](#)

Item	Qty	Part Number	Part Number
1	1	004355051	Screw, Socket Head, 3/8"-16 x 2"
2	1	004541138	Set Screw, Socket Drive, Cupped Tip, 3/8-16 x 3/4", SS
3	1	06000058	Crank, Orifice Tube Drive
4	6	004816100	Flat Washer, 1/2", Stainless Steel
5	1	06010175	Assembly, Arm, Link, Orifice Drive
6	1	004352571	Screw, Hex Head, 1/2-13 x 1 1/2", SS
7	1	06000011	Arm, Orifice Tube Drive
8	1	004352572	Screw, Cap Hex, 1/2-13 LH x 1-1/2" Long, SS
9	2	005098731	Bearing, 1" x 1", Garlock (Comes with 06000011)
10	1	007120205	Grease Fitting, 45 Degree Angle, 1/4-28 Thread (Comes with 06000011)



8. Upper Cup Drive Assembly - [06010470](#)

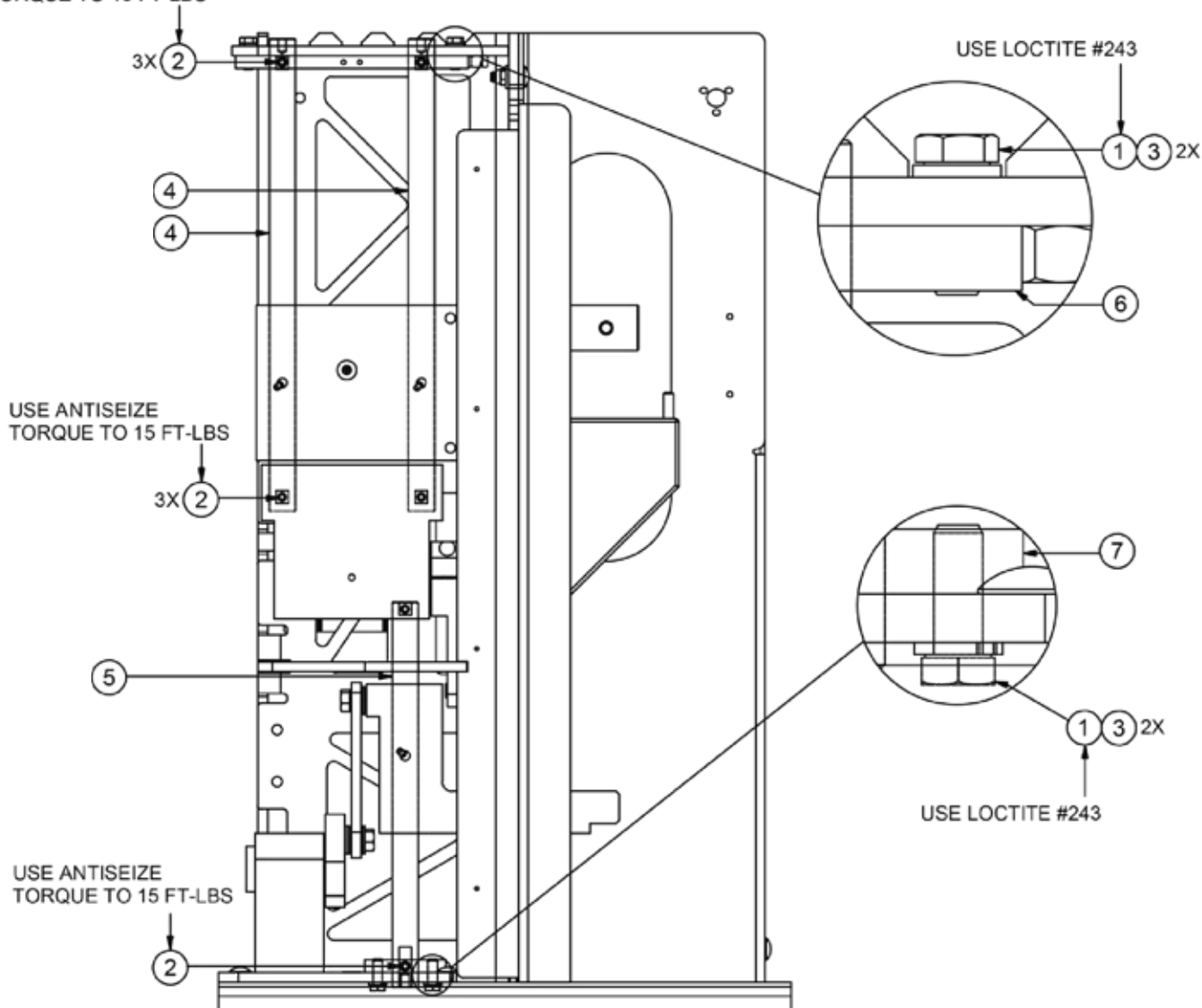
Item	Qty	Part Number	Part Number
1	1	06010242	Crank, Upper Cup Drive
2	1	004541138	Set Screw, Socket Drive, Cupped Tip, 3/8-16 x 3/4", SS
3	1	004356109	Cap Screw with Thread Lock, Socket Head, 3/8-16 x 1-1/4"
4	6	004816120	Washer, Plain, 5/8", Stainless Steel
5	1	06010174	Assembly, Arm, Link, Upper Cup
6	1	06000030	Arm, Upper Cup Drive
7	1	06010258	Screw, Upper Cup Crank, Left Hand, Hex Head
8	1	06000057	Lock - Rod End
9	1	06010323	Upper Cup Arm Bolt
10	1	007143009	Magnet TDC
11	1	004385057	Screw with Thread Lock, Phillips Flat Head, 8-32 x 1/2"
12	4	005098731	Bearing, 1" x 1", Garlock (Comes with 06000030)
13	2	007120205	Grease Fitting, 45 Degree Angle, 1/4-28 Thread (Comes with 06000030)



9. Guide Shafts

Item	Qty	Part Number	Part Number
1	4	004352395	Screw, Cap, Hex, 3/8" x 1, SS
2	6	004541138	Set Screw, Socket Drive, Cupped Tip, 3/8-16 x 3/4", SS
3	4	004806070	Washer, Lock, SS, 3/8"
4	2	06000064	Upper Cup Drive Linear Shaft
5	1	06000063	Linear Orifice Drive Shaft
6	1	06010064	Block, Guide, Upper Cup Guide Rods
7	1	06010065	Block, Guide, Orifice Rod

USE ANTISEIZE
TORQUE TO 15 FT-LBS

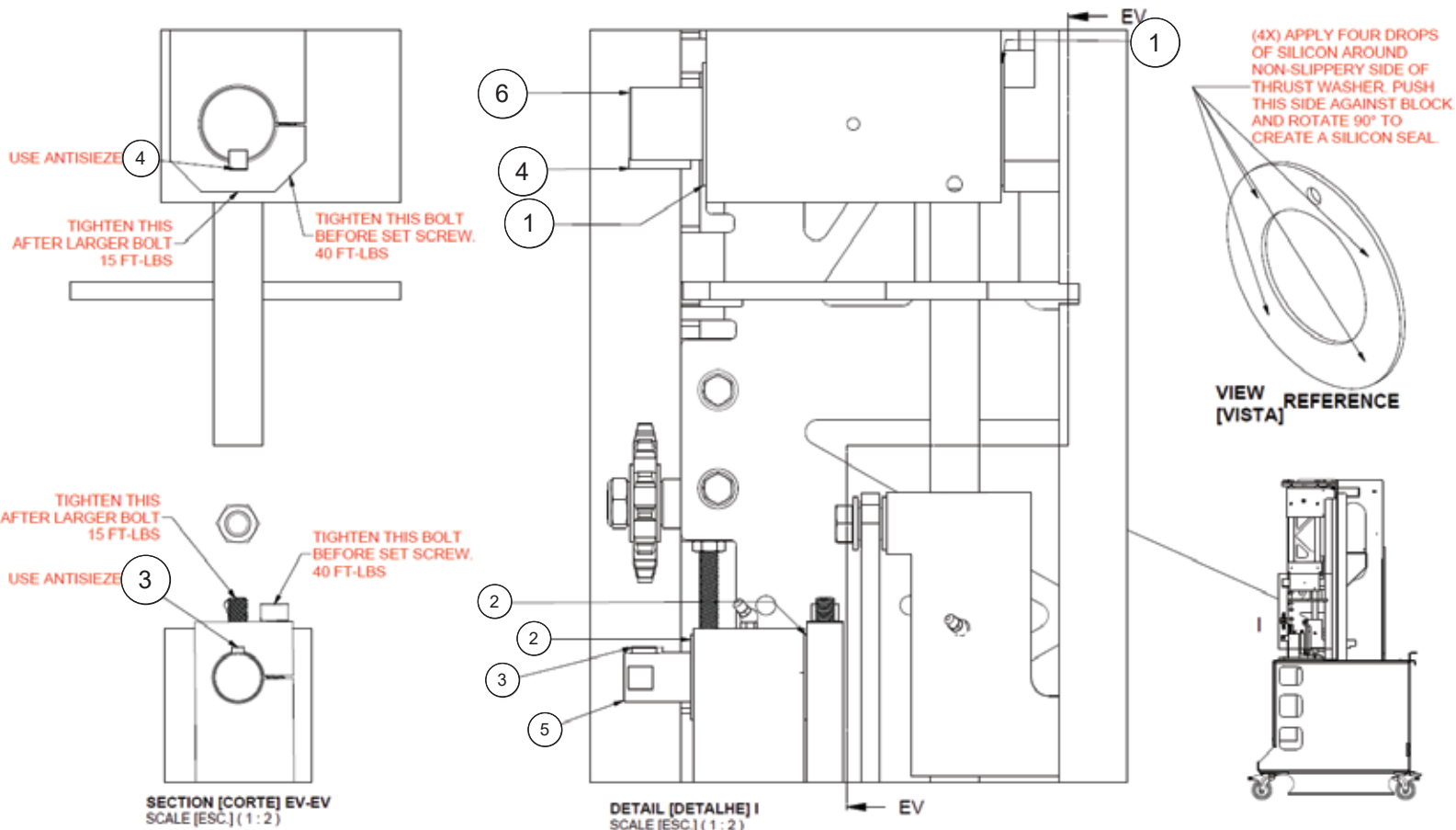


NOTES:

1. FOLLOW THREAD COATING AND TORQUE INSTRUCTIONS.
2. INSTALL UPPER SHAFTS FIRST.
3. LEAVE UPPER SHAFT EDGE BOLTS LOOSE.
SLIDE CUP DRIVE ARM UP, THEN TIGHTEN BOLTS.

10. Drive Shafts

Item	Qty	Part Number	Part Number
1	2	005062805	Thrust Washer, 1-1/2" ID
2	2	005098112	Thrust Washer, 1" ID
3	2	005575241	Key, Square, 1/4" X 1-1/4"Lg, Rd Edges, Zinc Plated Carbon STL
4	2	005576286	Key, Square, 3/8" X 1-1/4" Lg, 304SS
5	1	060100836	Shaft, Rotary Orifice Drive
6	1	06006101	Rotary Main Drive Shaft

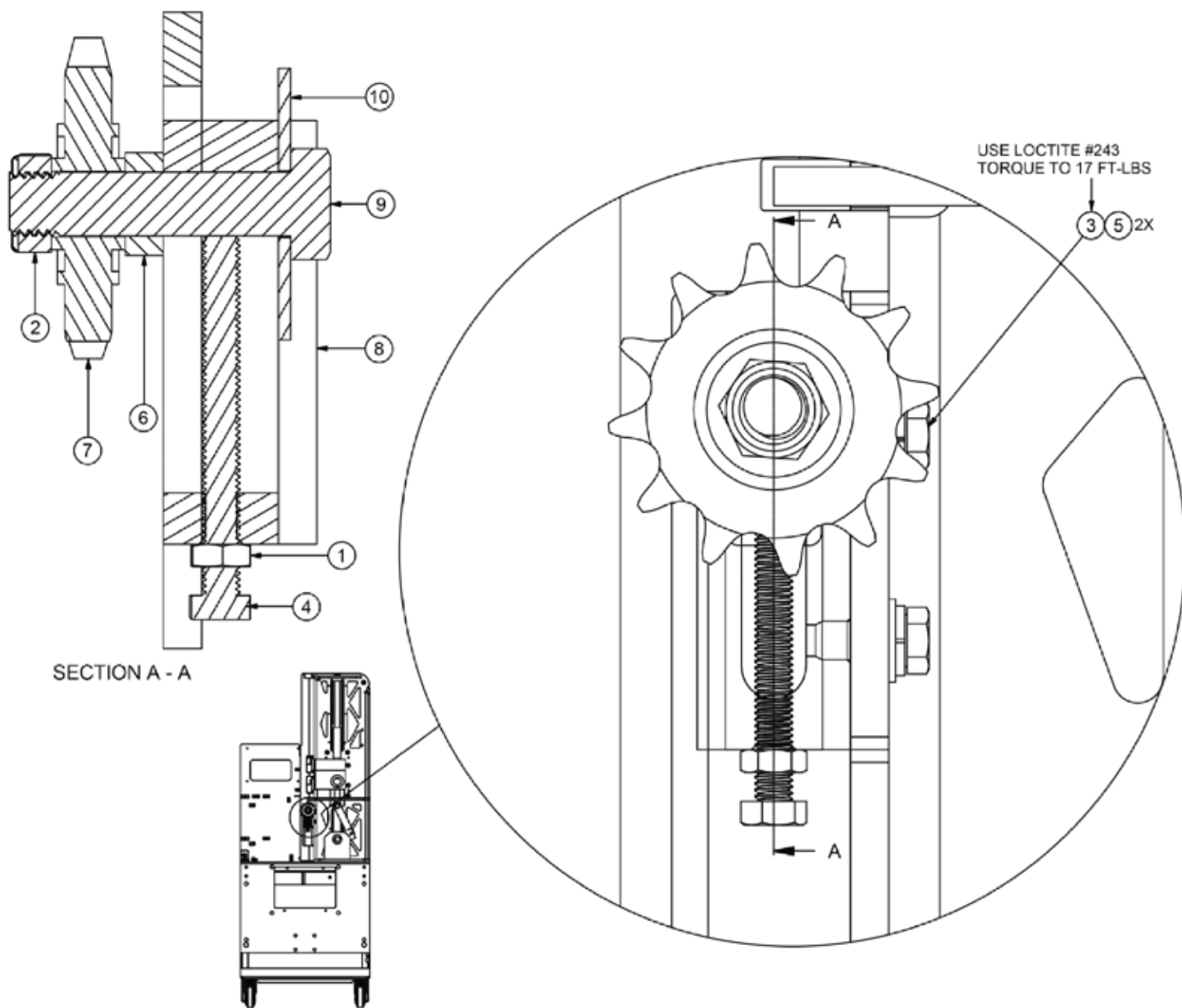


Follow torque instructions given in diagram.

Tighten larger bolts onto shafts first and then tighten set screws down. If set screws are tightened before larger bolts, it could result in damage to the shafts, cranks and/or keys.

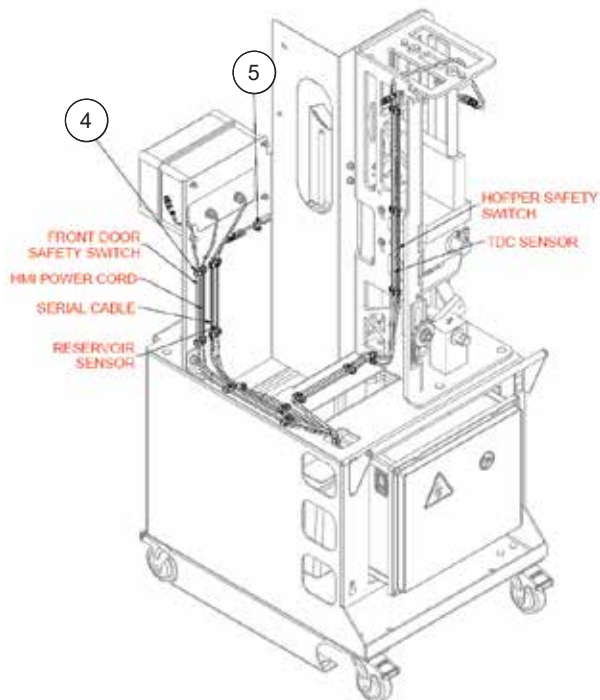
11. Chain Tensioner Assembly - 06010472

Item	Qty	Part Number	Part Number
1	1	004116026	Nut, Jam, 3/8-16, SS
2	1	004156118	Nut, Hex, S/L, Thin, 5/8-11, SS
3	2	004352392	Screw, Cap, Hex, 3/8-16 X 7/8" Lg, 304SS
4	1	004352415	Screw, Cap, Hex, Full Thread, 3/8-16 X 3-1/2" Lg, SS
5	2	004806070	Washer, Lock, 3/8" Reg, SS
6	1	004605030	Spacer, Unthreaded, 1" OD, 3/8" Lg, 5/8" Screw, 18-8SS
7	1	005806374	Sprocket, Idler, #60, 12T, 3/4" P, 1-9/16" Diameter
8	1	06010171	Mount, Chain Tensioner
9	1	06010355	Bolt, Idler Sprocket, Cut to Length
10	1	06010367	Chain Tensioner Washer, 5/8"

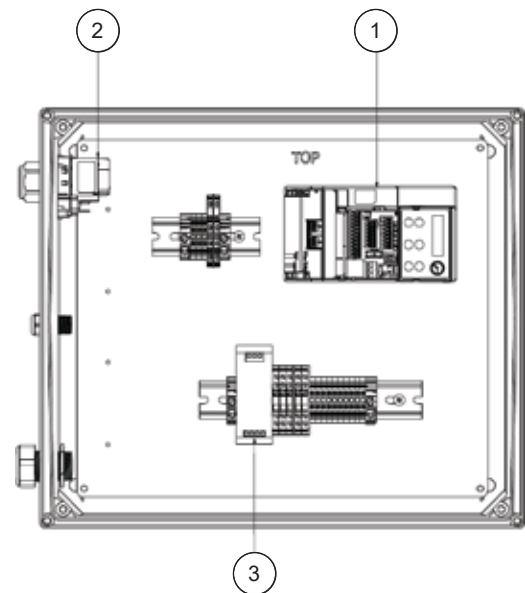


12. Rear Electrical Assembly 115V - 060100587

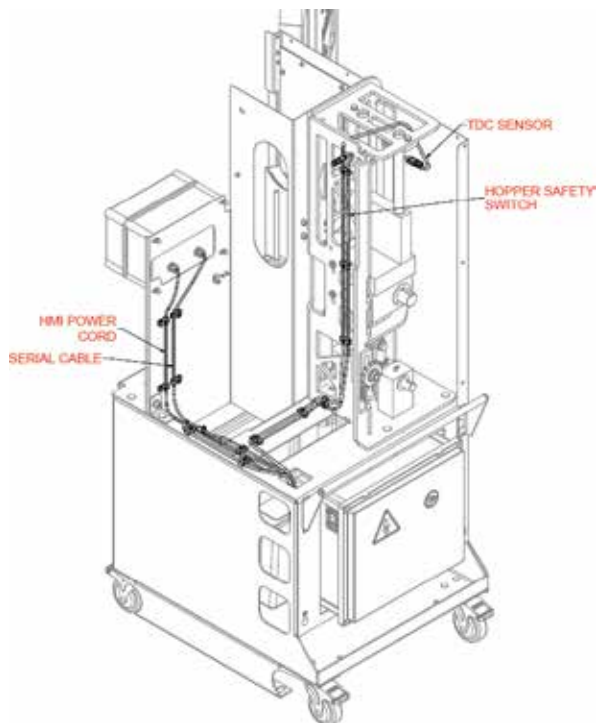
Item	Qty	Part Number	Part Number
1	1	060100818	VFD, Programmed, Delta, 115V, FNS-3300
2	1	006270348	Receptacle, IEC Inlet, C14, w/SW, 15A Overload, IP67, Panel Mount
3	1	006281383	Power Supply, 85-264VAC In x 24VDC Out, 3.125A, 75W
4	Var.	006270319	Clamp, Chemical Resistant, 1/4" ID, 2" Line
5	1	006270317	Clamp, Chemical Resistant, 1/4" ID, 1" Line



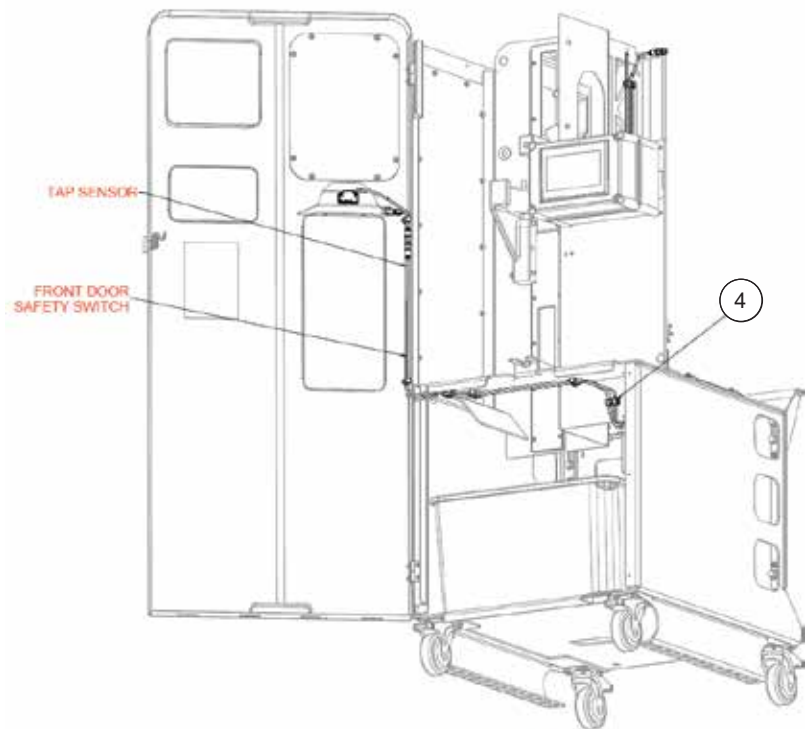
RESERVOIR MACHINE



115V - U.S., Mex., Can.

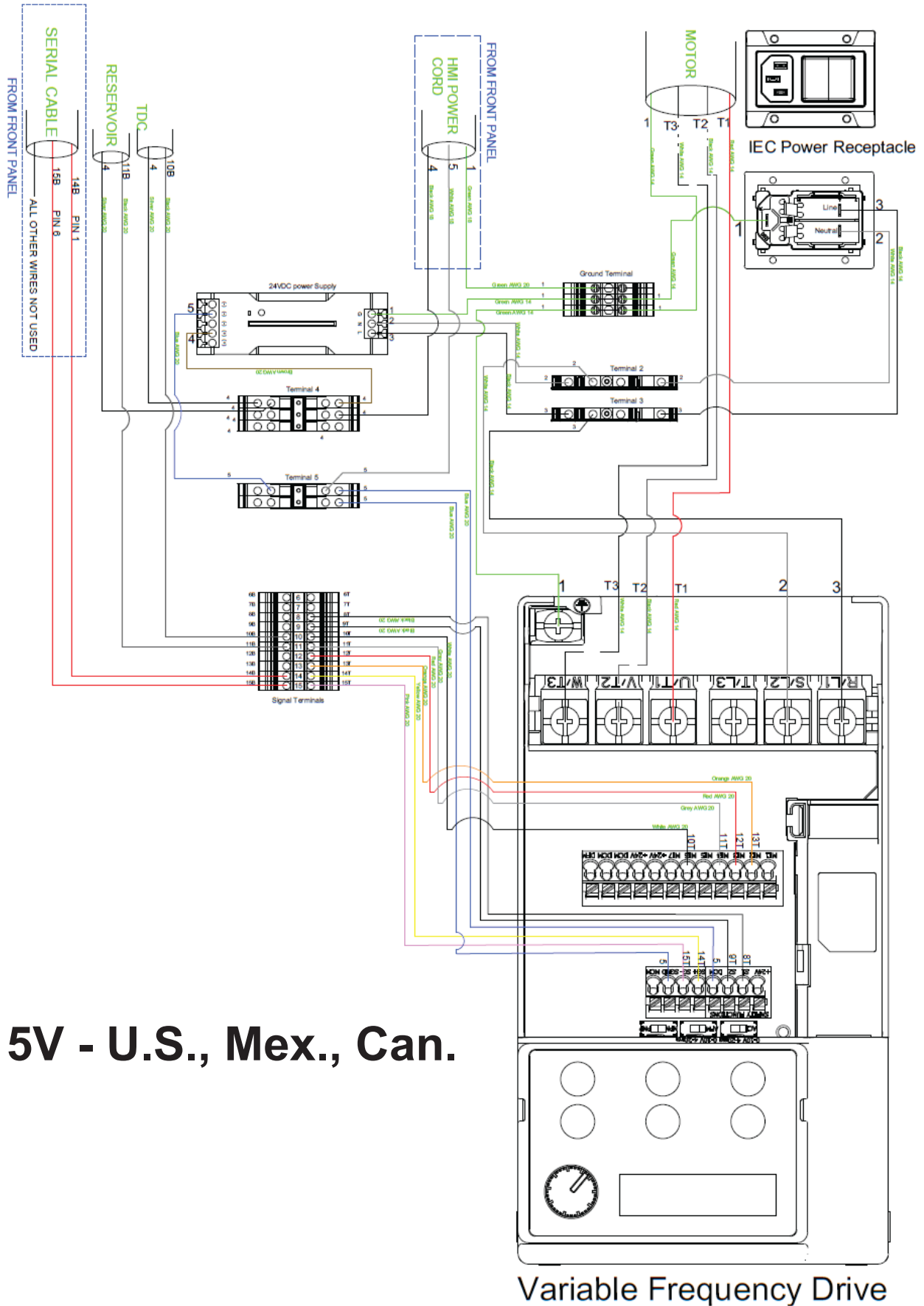


TAP MACHINE



TAP MACHINE

12. Rear Electrical Assembly 115V - 060100587 (Schematic)

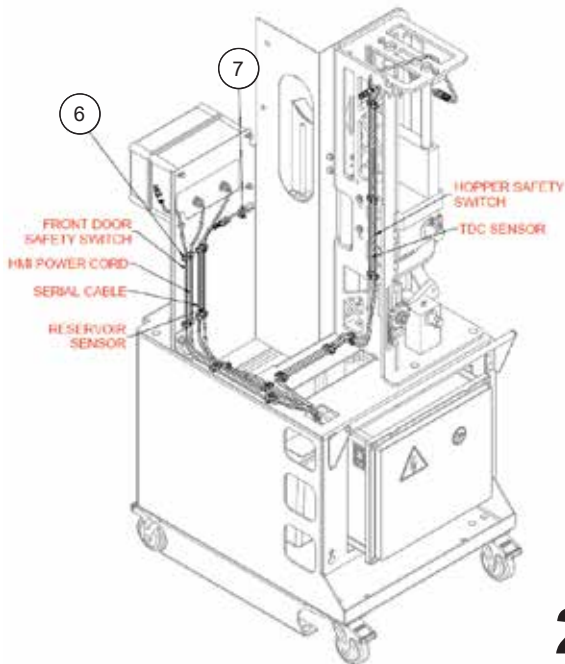


115V - U.S., Mex., Can.

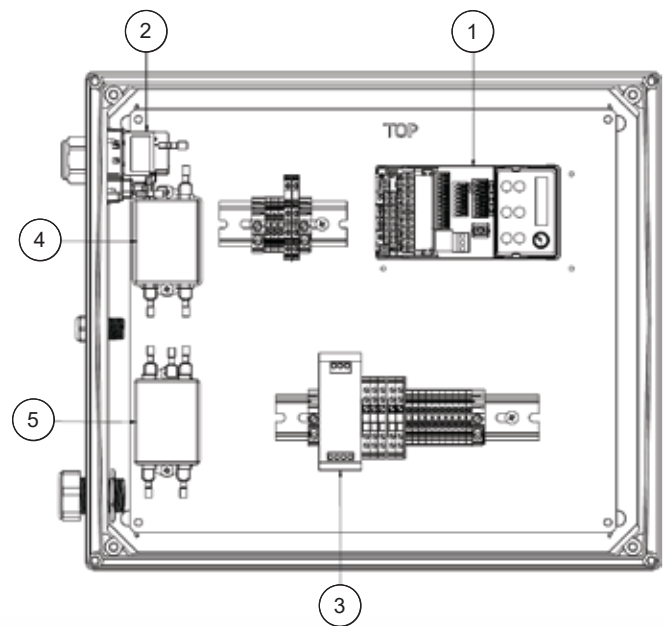
Variable Frequency Drive

13. Rear Electrical Assembly 230V - 060100979

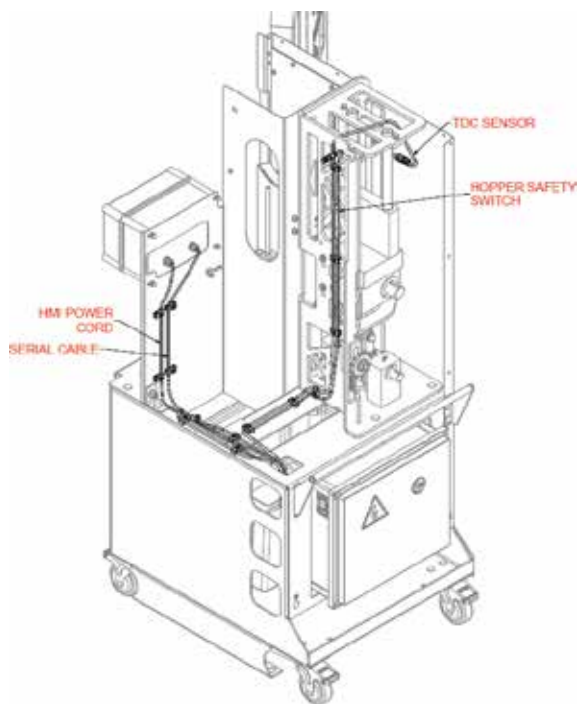
Item	Qty	Part Number	Part Number
1	1	060100980	VFD, Programmed, Delta, 230V, FNS-3300
2	1	006270348	Receptacle, IEC Inlet, C14, w/SW,15A Overload, IP67, Panel Mount
3	1	006281383	Power Supply, 85-264VAC In x 24VDC Out, 3.125A, 75W
4	1	006270335	Filter, Power, Line,1PH, 1st, 16A, 250VAC
5	1	006270372	Filter, Power, Line,1PH, 2nd, 16A, 250VAC
6	1	006270319	Clamp, Chemical Resistant, 1/4" ID, 2" Line
7	1	006270317	Clamp, Chemical Resistant, 1/4" ID, 1" Line



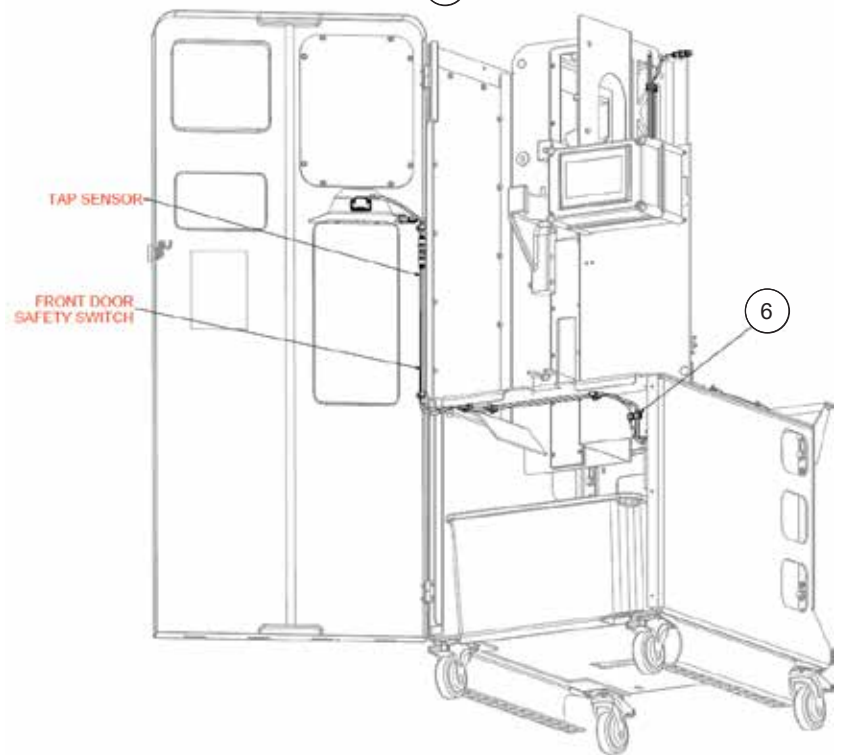
RESERVOIR MACHINE



230V



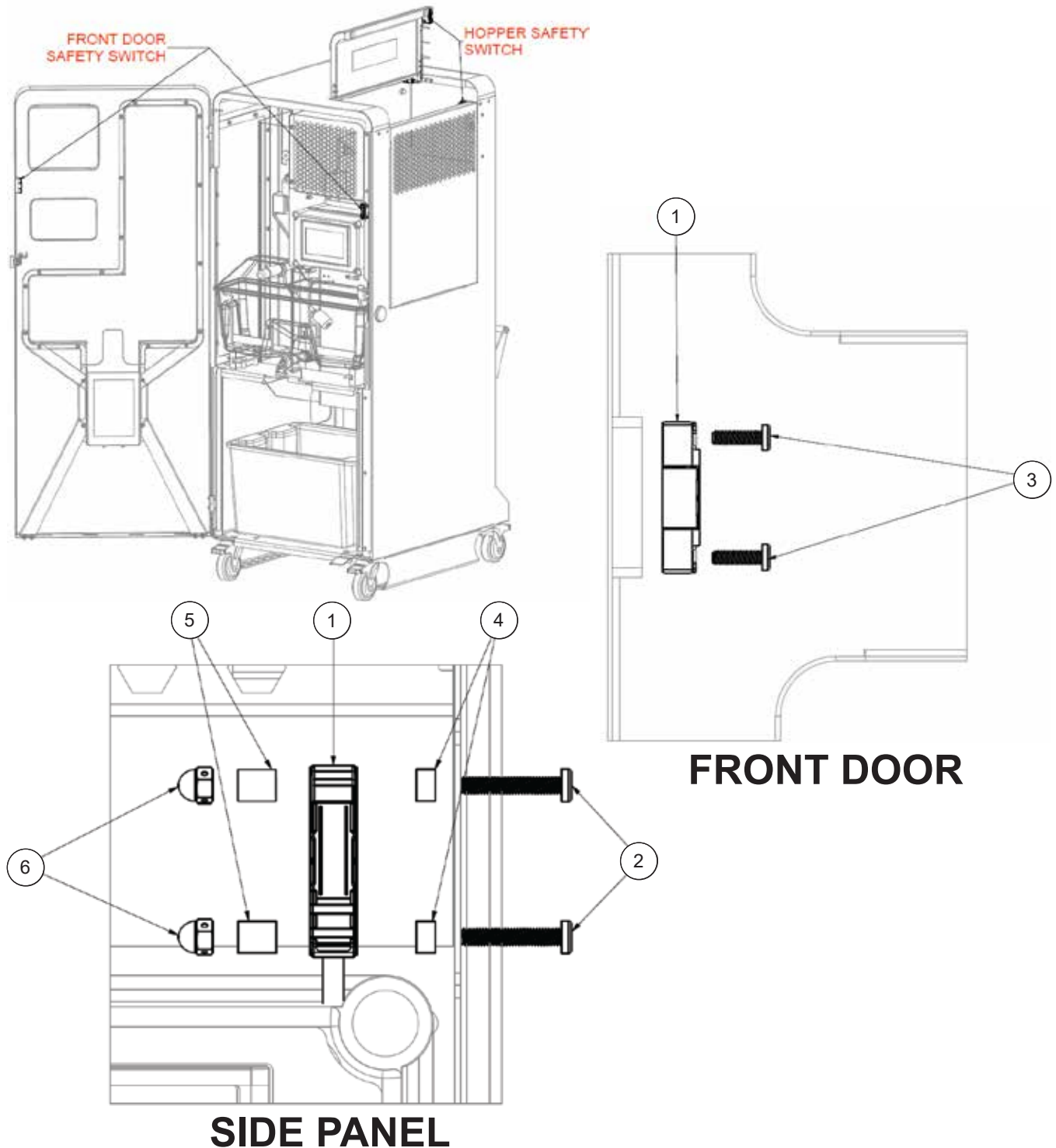
TAP MACHINE



TAP MACHINE

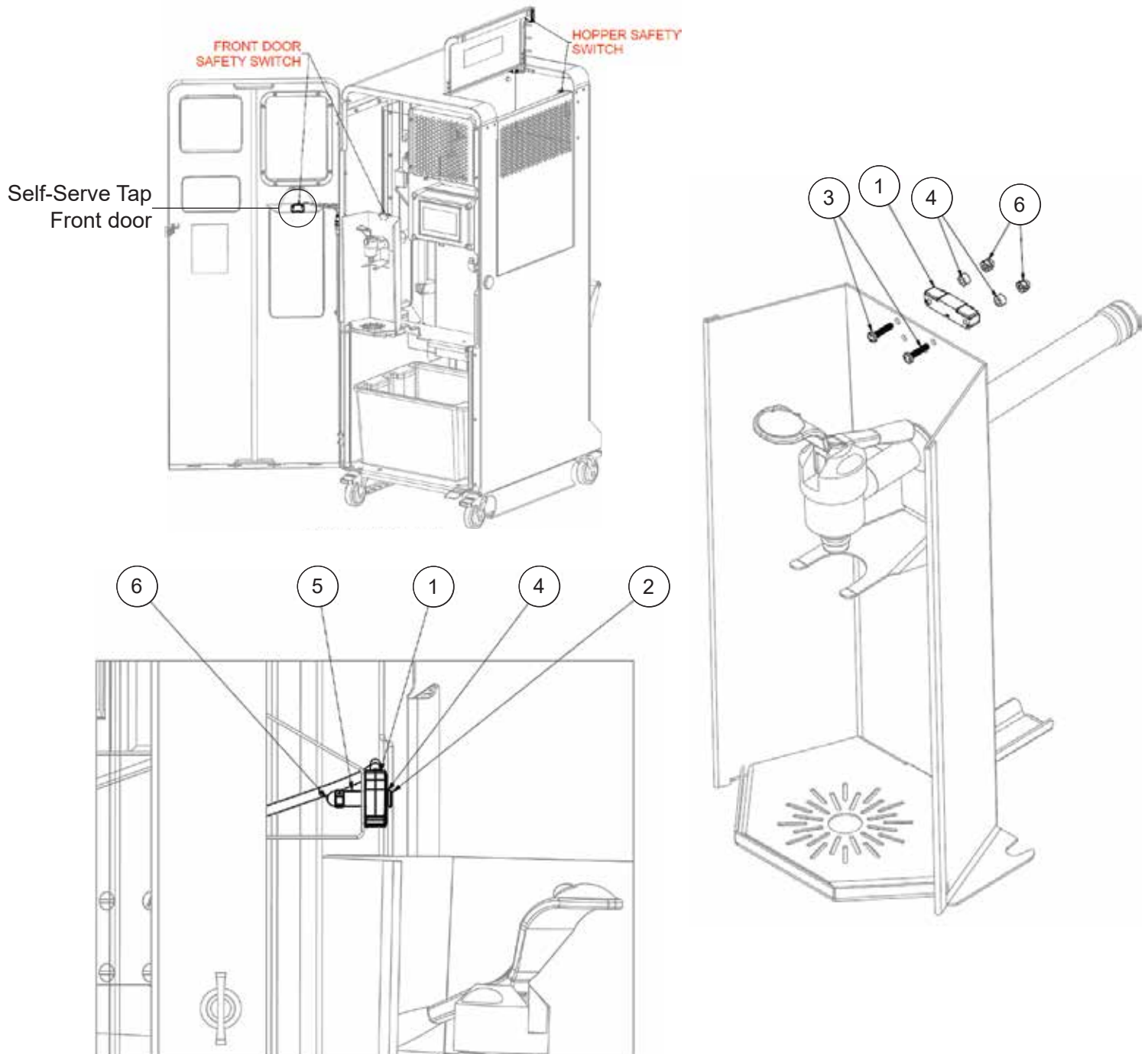
14. Safety Switches - Reservoir Machine - Front Door

Item	Qty	Part Number	Part Number
1	1	006200764	Safety Switch, Interlock, Magneelect
2	2	004392197	Screw, Machine, Pan HD, Spanner Type, #8-32 x 1"LG, SS
3	2	004385176	Screw, Machine, Pan HD, Spanner Type, #8-32 x 5/8"LG, SS
4	2	004605037	Spacer, Unthreaded, 5/16"OD x 3/16"LG, Nylon
5	2	004605040	Spacer, Unthreaded, 5/16"OD x 3/8"LG, Nylon
6	2	004156166	Nut, Acorn, Lock, Distorted THD, #8-32, 18-8SS



15. Safety Switches - Self Serve "Tap" Machine - Front Door

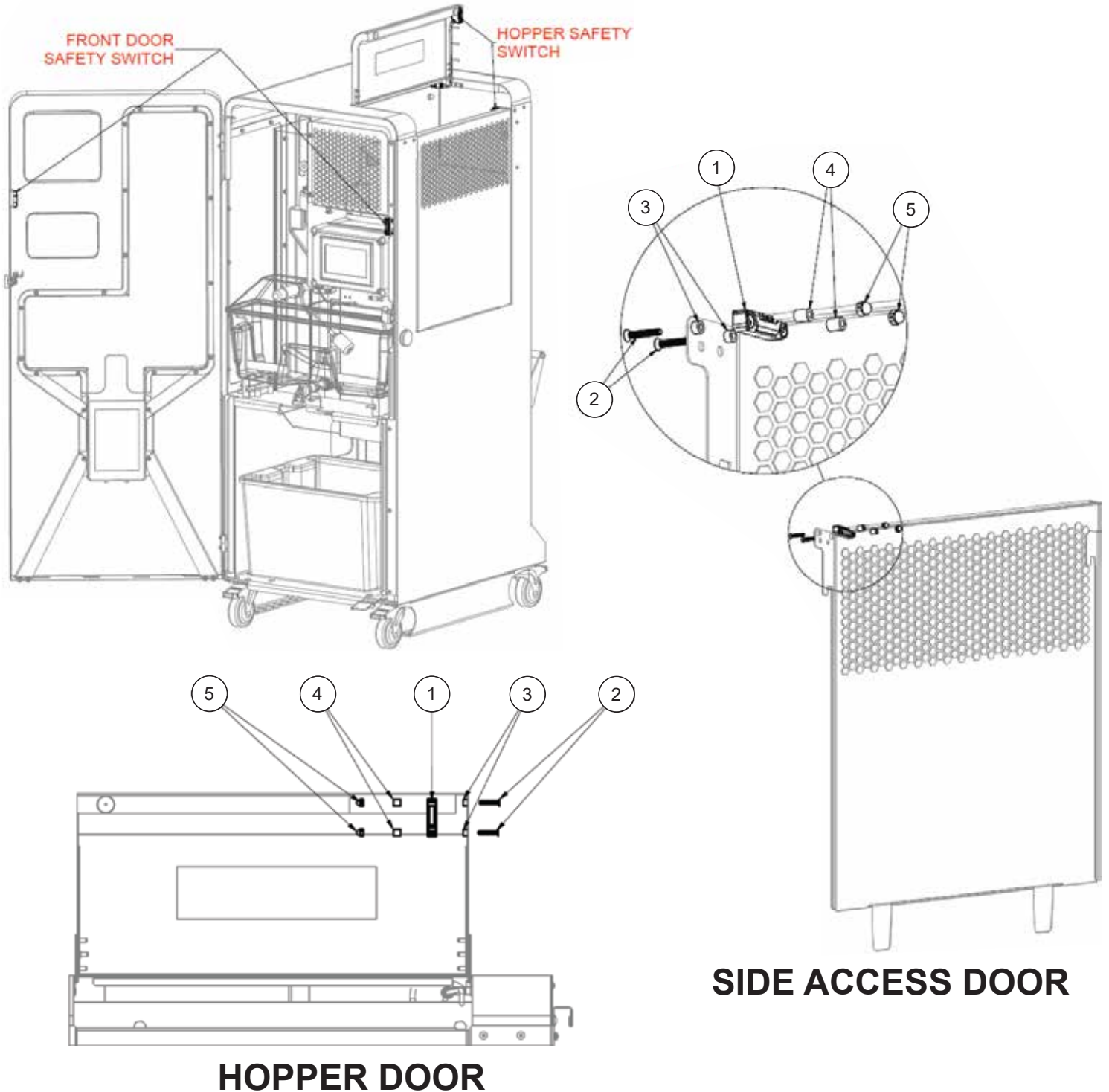
Item	Qty	Part Number	Part Number
1	1	006200764	Safety Switch, Interlock, Magneelect
2	2	004392197	Screw, Machine, Pan HD, Spanner Type, #8-32 x 1"LG, SS
3	2	004392175	Screw, Machine, Pan HD, Spanner Type, #8-32 x 3/4"LG, SS
4	4	004605037	Spacer, Unthreaded, 5/16"OD x 3/16"LG, Nylon
5	2	004605040	Spacer, Unthreaded, 5/16"OD x 3/8"LG, Nylon
6	4	004156166	Nut, Acorn, Lock, Distorted THD, #8-32, 18-8SS



SELF SERVE TAP FRONT DOOR

16. Safety Switches - Hopper Door

Item	Qty	Part Number	Part Number
1	1	006200764	Safety Switch, Interlock, Magneelect
2	4	004392211	Screw, Machine, Flat HD, Spanner Type, #8-32 x 1"LG, SS
3	4	004605037	Spacer, Unthreaded, 5/16"OD x 3/16"LG, Nylon
4	4	004605040	Spacer, Unthreaded, 5/16"OD x 3/8"LG, Nylon
5	4	004156166	Nut, Acorn, Lock, Distorted THD, #8-32, 18-8SS

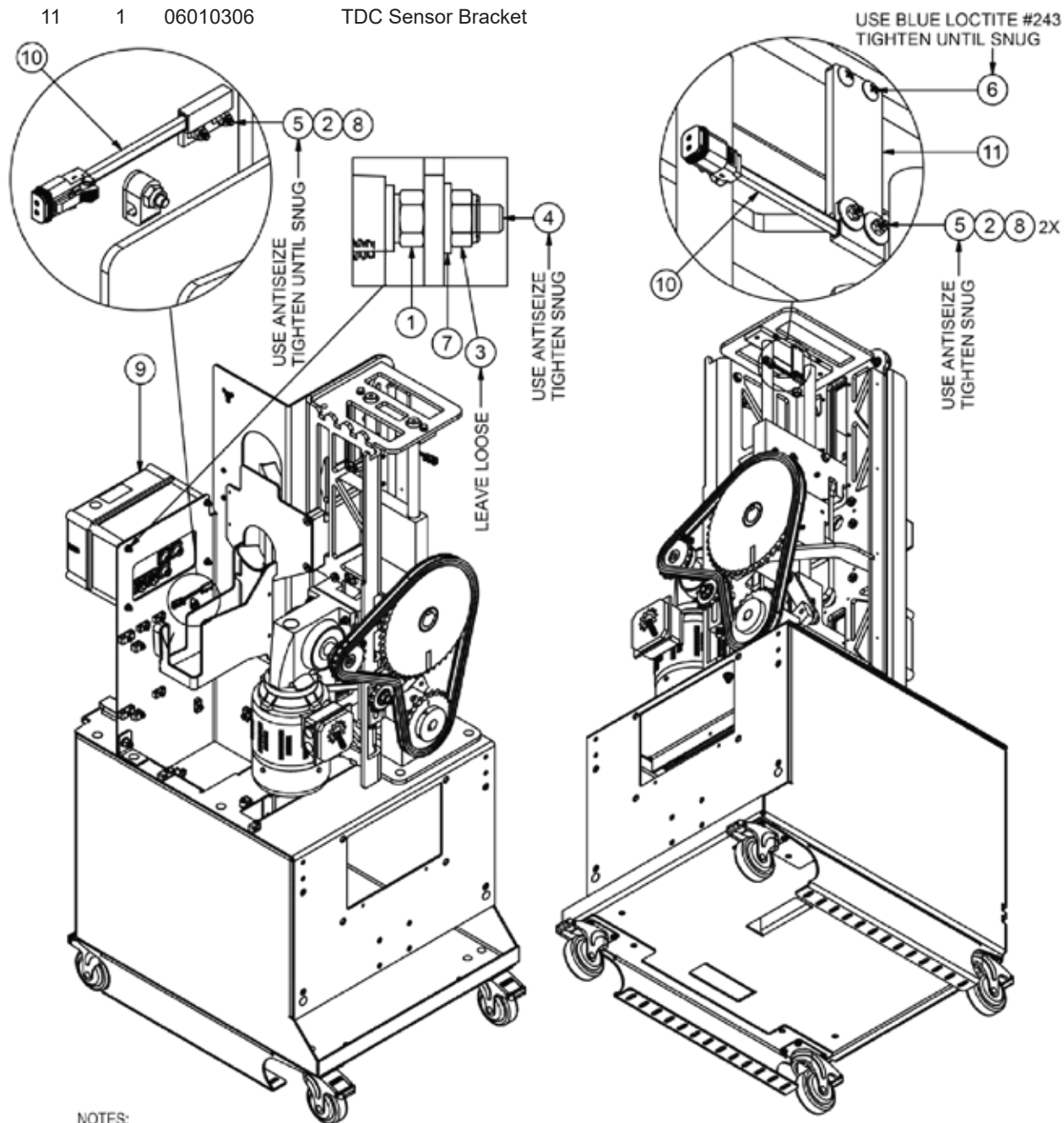


SIDE ACCESS DOOR

HOPPER DOOR

17. Front Panel Mounting, TDC sensor and Reservoir Sensor

Item	Qty	Part Number	Part Number
1	4	004011032	Nut, Hex, 1/4-20, SS
2	4	004156014	Nut, Hex, S/L, 4-40, SS
3	4	004156053	Nut, Hex, S/L, Light, Thin, 1/4-20, 304SS
4	4	004356064	Screw, Cap, Socket Head, 1/4-20 X 1-1/4" Lg, SS
5	4	004396116	Screw, Round, Bind, Slot, Extra Wide, 4-40 Threaded, 5/8" Lg, SS
6	2	004401023	Screw, Phillips, Extra Wide, 8-32 Threaded, 1/4" Lg, SS
7	4	004816060	Washer, Plain, 1/4" N, SS
8	6	004816095	Washer, #6, .149" ID, .625" OD, Oversized, 304SS
9	1	060100954	HMI, Front Enclosure, FNS-3300
10	2	06010305	Proximity Switch Assembly, Normally Open Connection
11	1	06010306	TDC Sensor Bracket

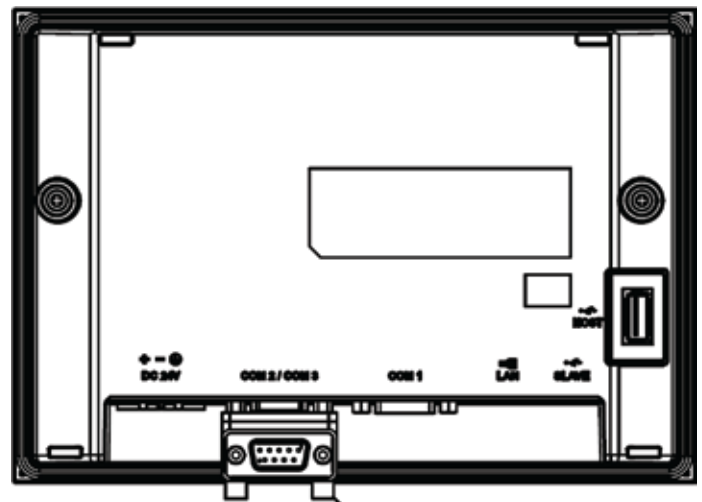
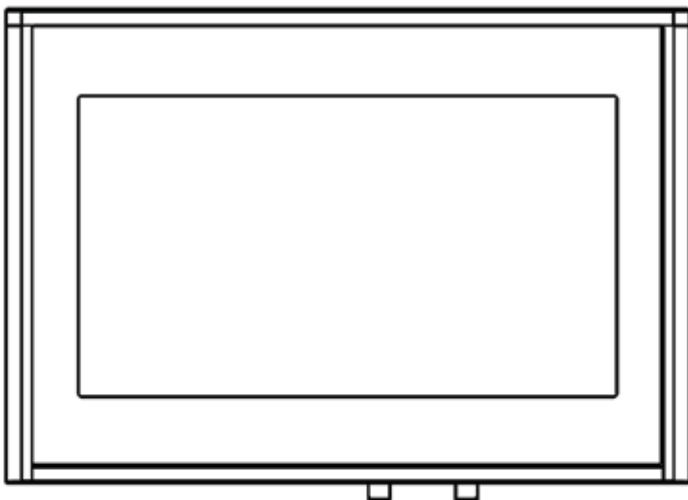
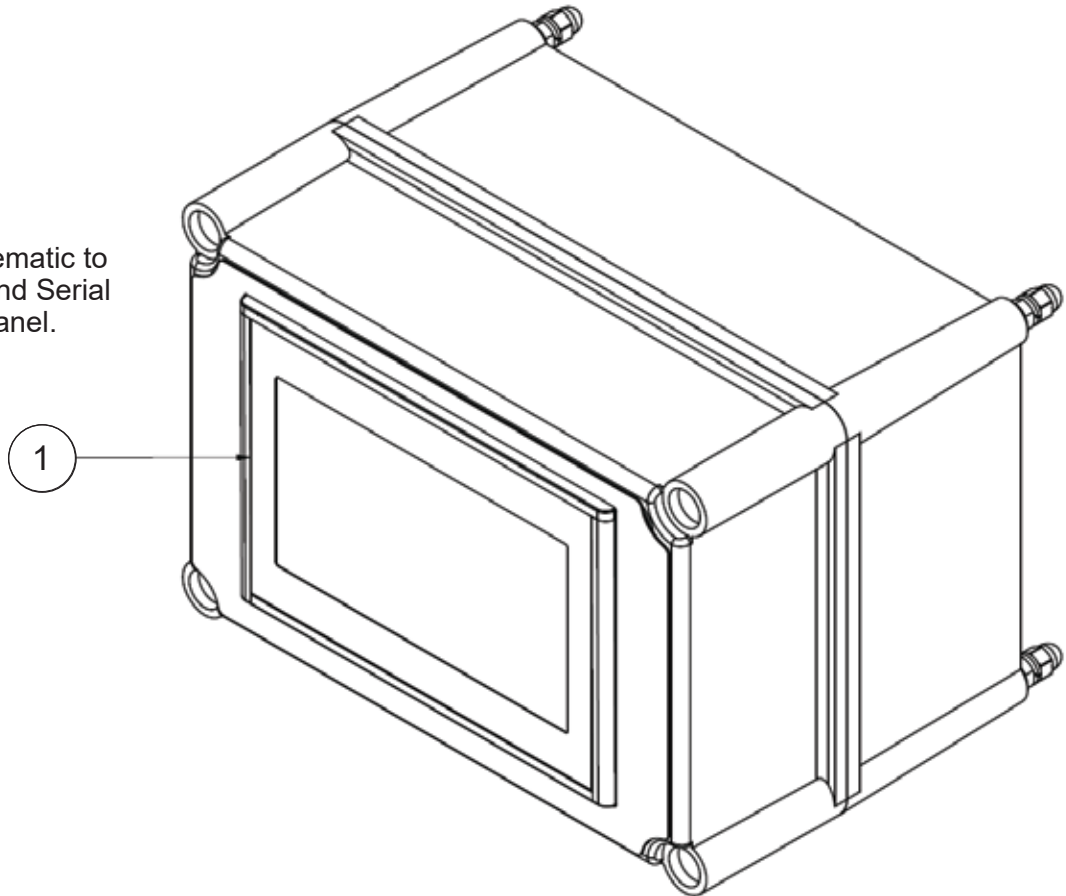


NOTES:
FOLLOW ALL THREAD COATING AND TORQUE INSTRUCTIONS.

18. Front HMI Electrical Panel - 060100954

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	1	060100950	HMI, Delta, Programmed, FNS-3300

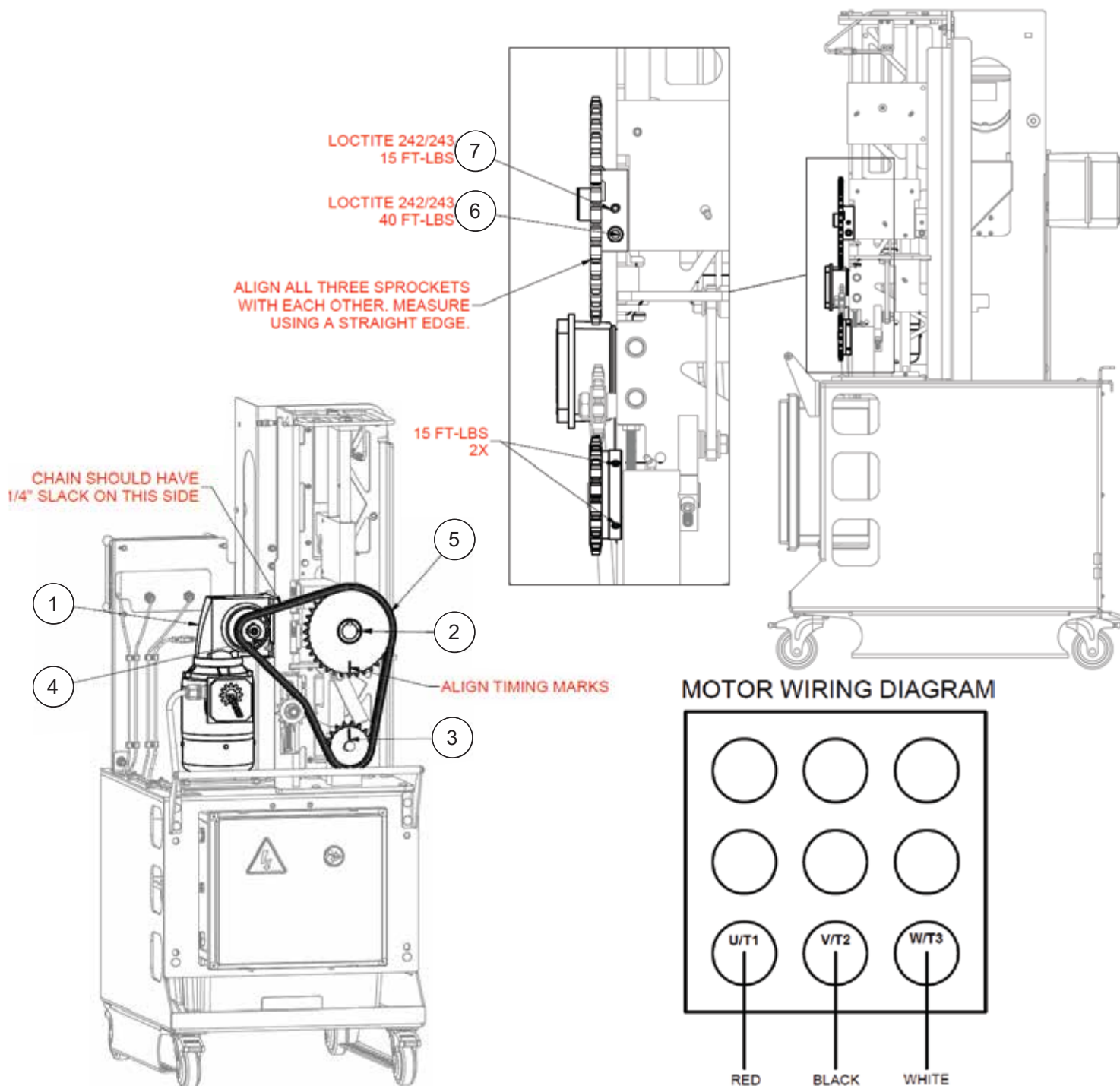
Refer to Electrical Schematic to wire HMI Power cord and Serial Cable from from rear panel.



**CONNECT SERIAL
CABLE TO COM 2**

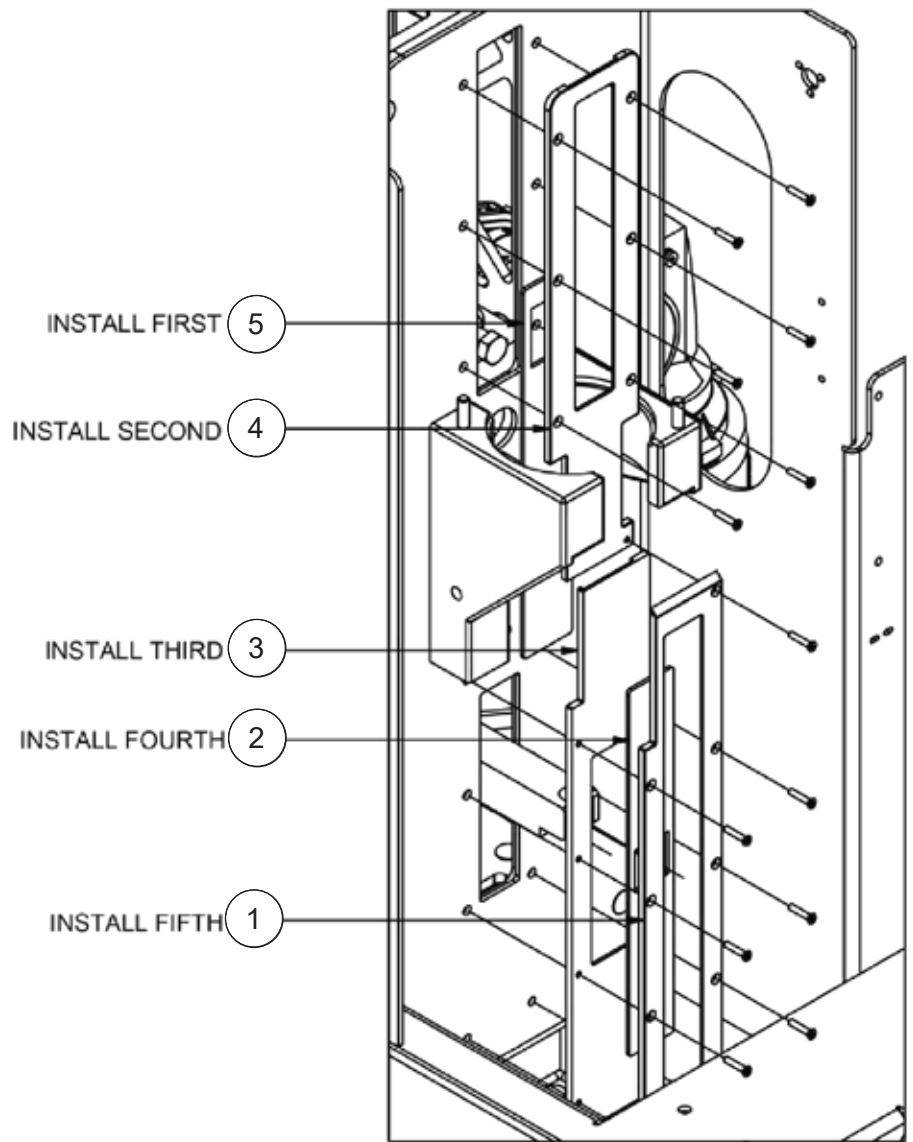
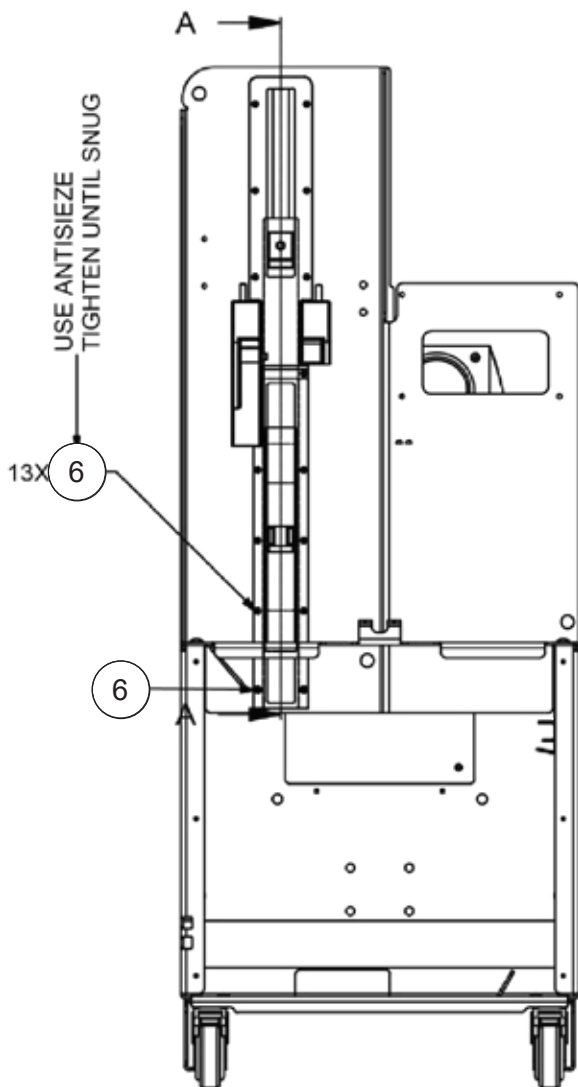
19. Motor, Sprockets and Chain Assembly

Item	Qty	Part Number	Part Number
1	1	005617345	Gearmotor, Worm, 1.5HP, 3PH, 230V/460V, 60Hz
2	1	060100965	Sprocket, Upper Cup Drive, Assembly, FNS-3300/2500
3	1	060100840	Sprocket, Lower Orifice Drive, FNS-3300/2500/1800
4	1	005804301	Sprocket, Wear Resistant, 3/4" P, 12T, #60, Hardened
5	1	060101053	Chain and Offset Link, Kit, Chain, Kit, FNS-3300
6	1	004355051	Cap Screw, Hex Socket Head, 3/8-16 x 2" (Comes with 060100965)
7	1	004541138	Set Screw, Socket Drive, Cupped Tip, 3/8-16 x 3/4", SS (Comes with 060100965)



20. Splash Guards

Item	Qty	Part Number	Part Number
1	1	06010264	Lower Guard Cover, FNS-3300/2nd Gen MFJ
2	1	06010217	Lower Splash Guard, FNS-3300/2nd Gen MFJ
3	1	06010263	Lower Guard Base, FNS-3300/2nd Gen MFJ
4	1	06010262	Upper Guard Cover, FNS-3300/2nd Gen MFJ
5	1	06010216	Upper Splash Guard, FNS-3300/2nd Gen MFJ
6	15	004385055	Screw, Mach,Flush HD, #10-24 X 1" LG, Phillips Head



SECTION A - A

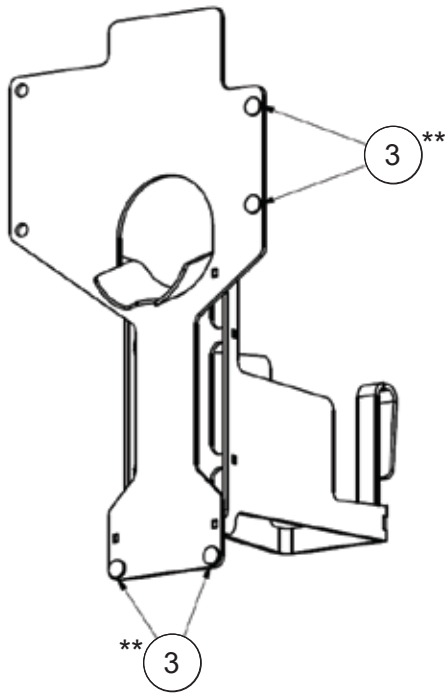
NOTES:

1. FOLLOW LABELED THREAD COATING AND TORQUE INSTRUCTIONS.

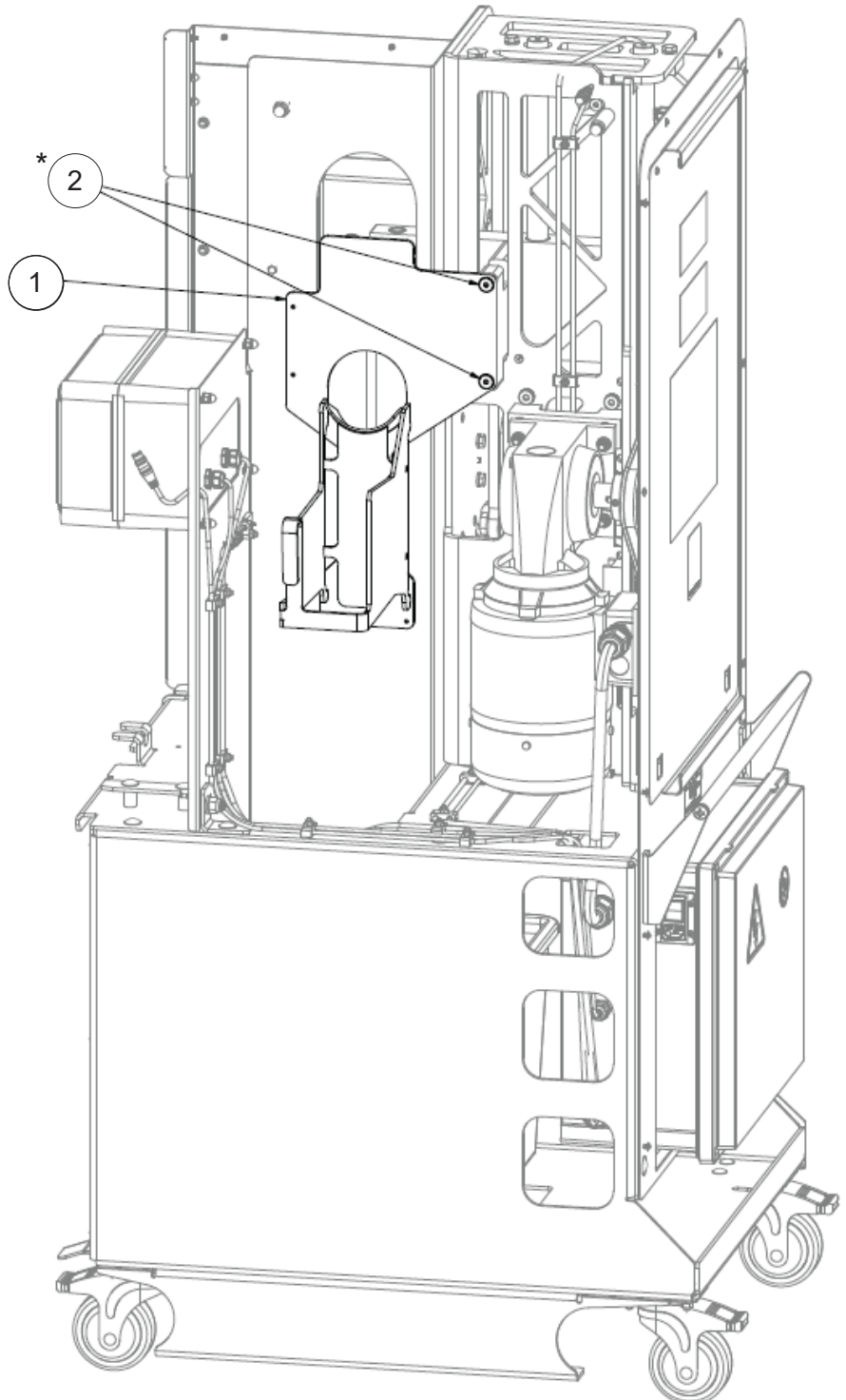
21. Fruit Lift

Item	Qty	Part Number	Part Number
1	1	06010237	Fruit Lift Weldment, 2nd Gen, MFJ
2	2	004356104	Cap Screw, Hex Socket Head, 3/8-16 x 1", Heavy Duty
3	4	06000068	Bearing, Fruit Lift

*Torque screws to 15 ft-lbs

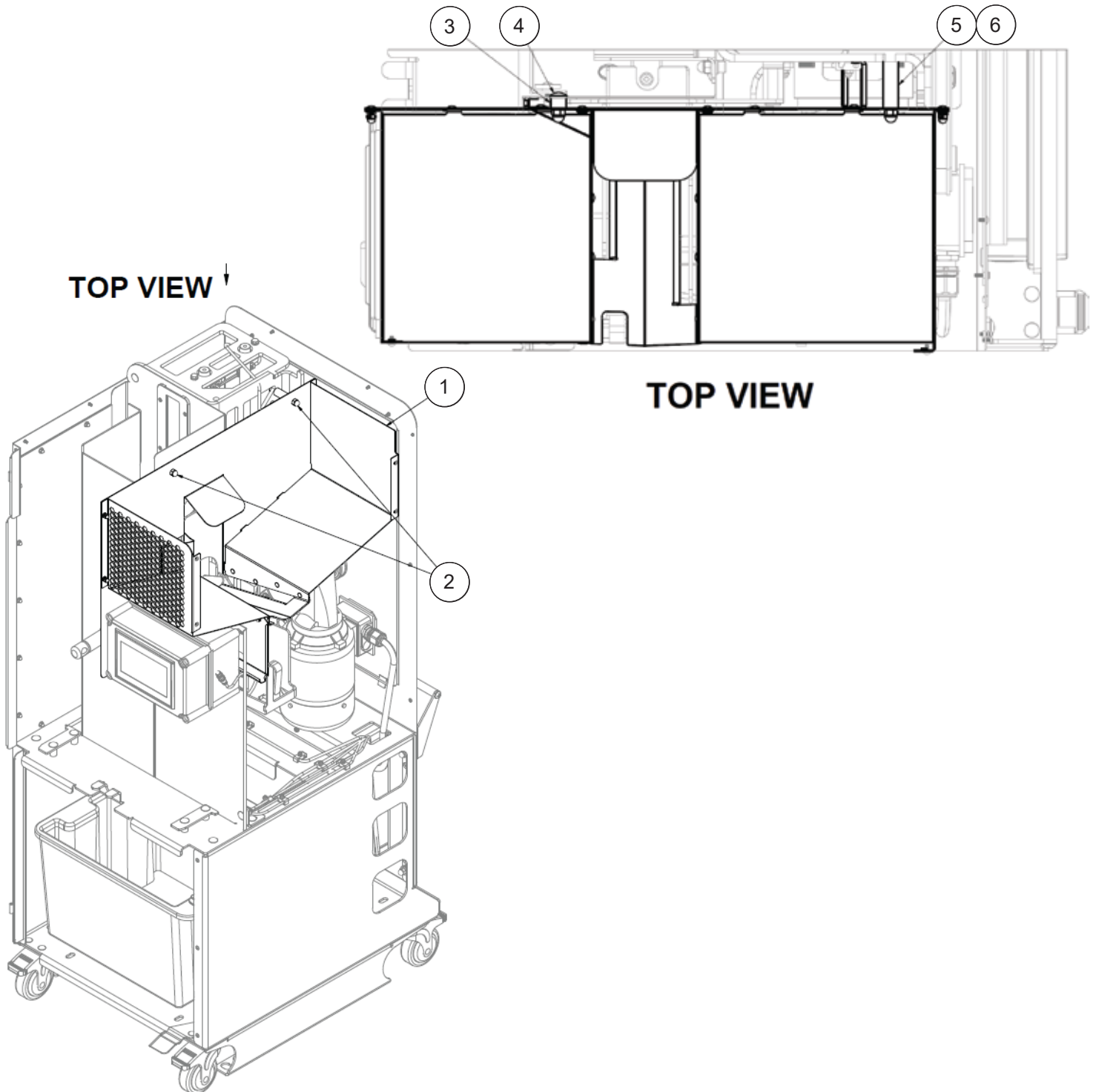


**Press-in fruit lift bearings



22. Hopper

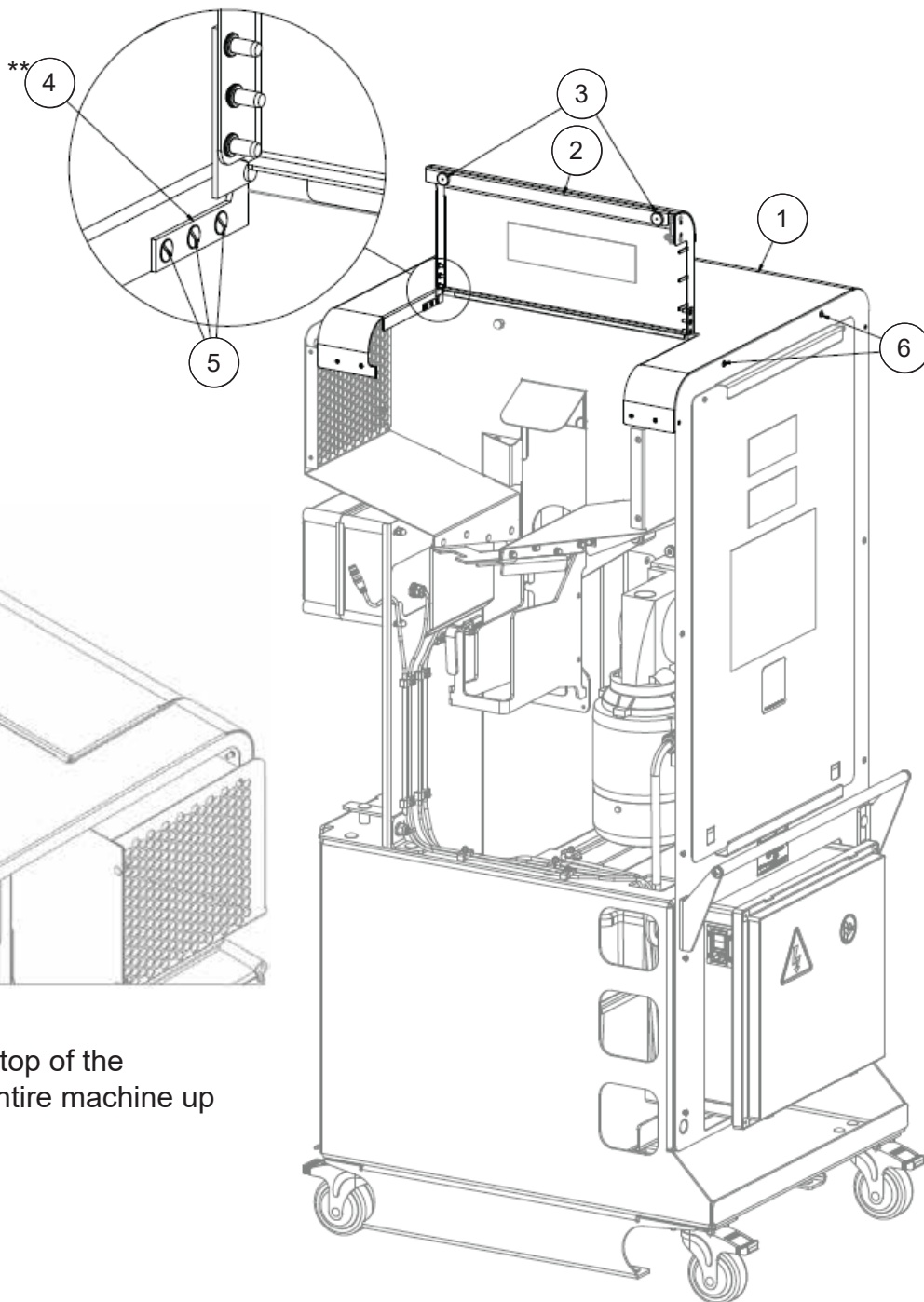
Item	Qty	Part Number	Part Number
1	1	06010162	Fruit Lift Weldment, 2nd Gen, MFJ
2	2	004100018	Acorn/Cap Nut, 3/8-16, Stainless Steel
3	1	06010394	Spacer, Hopper, Front, MFJ GEN 2
4	1	004011031	Carriage Bolt, 3/8-16 x 1" Stainless Steel
5	1	06010395	Spacer, Hopper, Rear, MFJ GEN 2
6	1	004352420	Cap Screw, Hex Head, 3/8-16 x 3", Stainless Steel



23. Top Cover and Hopper Lid - [060100983](#)

Item	Qty	Part Number	Part Number
1	1	060100967	Top Cover, FNS-3300/2nd Gen MFJ
2	1	060100968	Hopper Lid, FNS-3300/2nd Gen MFJ
3	1	009080421	Rubber Push-In Bumper, Tight-Grip Stem (Comes with 060100968)
4	2	009284062	Pivot Hinge, Inset Door
5	12	004385198	Screw, Mach, FL HD,6-32 X 3/8"LG,S/L,18-8SS
6	2	004401023	Screw with Thread Lock, Phillips Truss Head, 8-32, Stainless Steel
7	1	006090018	Plug, Knockout, 7/8" ID Hole,Gray Nylon

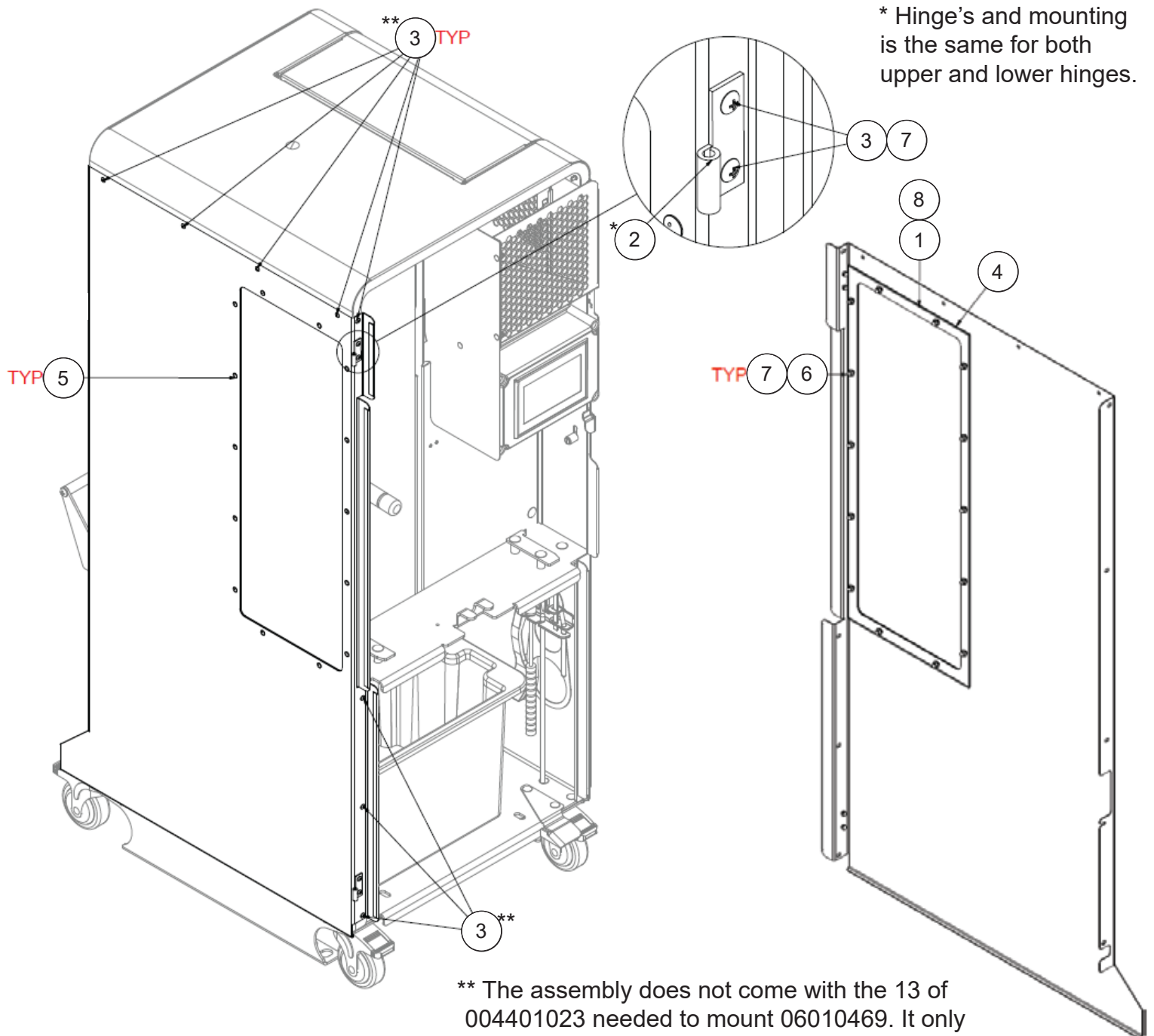
** Hinges are mounted the same on both sides of Hopper Lid



* 006090018 covers a hole in the top of the machine that can be used to lift entire machine up by crane.

24. Left Hand side Cover - 06010469

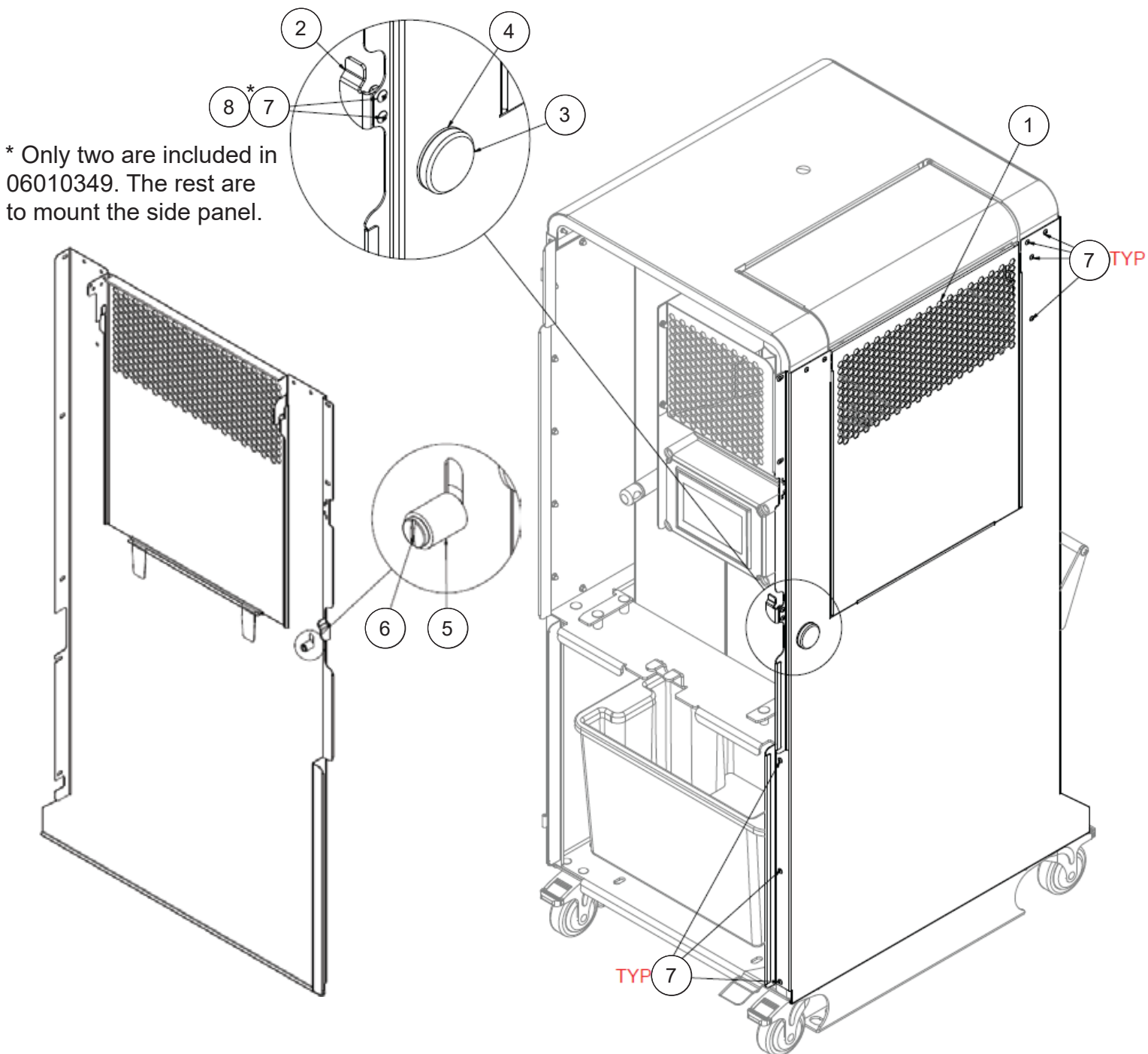
Item	Qty	Part Number	Part Number
1	1	06010515	Side Panel, Window Assembly Kit
2	2	009284050	Hinge, Slip Joint
3	**17	004401023	Screw with Thread Lock, Phillips Truss Head, 8-32, Stainless Steel
4	2	06010209	Gasket, Side Window, Gen 2 (Comes with 06010515)
5	14	004385174	Screw, Drilled X-Wide, 8-32 x 1/2" (Comes with 06010515)
6	14	004815126	Washer, Bonded, #8 Screw
7	14	004156166	Acorn Nut, 8-32, Stainless Steel
8	1	06006312	Glass LH Side, (Comes with 06010515)



** The assembly does not come with the 13 of 004401023 needed to mount 06010469. It only comes with the 4 needed to mount the hinges.

25. Right Hand Side Cover - 06010349

Item	Qty	Part Number	Part Number
1	1	06010351	Door, RH Side, Cover Access
2	1	06010108	Latch, Door, FNS-3300/2nd Gen MFJ
3	1	06010265	Ewternal Mixer Knob, FNS-3300/2nd Gen MFJ
4	1	004820049	Washer, Nylon, Plastic, Black, 3/4" ID x 2" OD
5	1	004605019	Spacer, Unthreaded, Nylon, 5/8" OD x 3/4" LG
6	1	004397105	Screw 1/4"-20 X 1" SS
7	*18	004401023	Screw with Thread Lock, Phillips Truss Head, 8-32, Stainless Steel
8	2	004156032	Lock Nut, Hex, 8-32, Stainless Steel



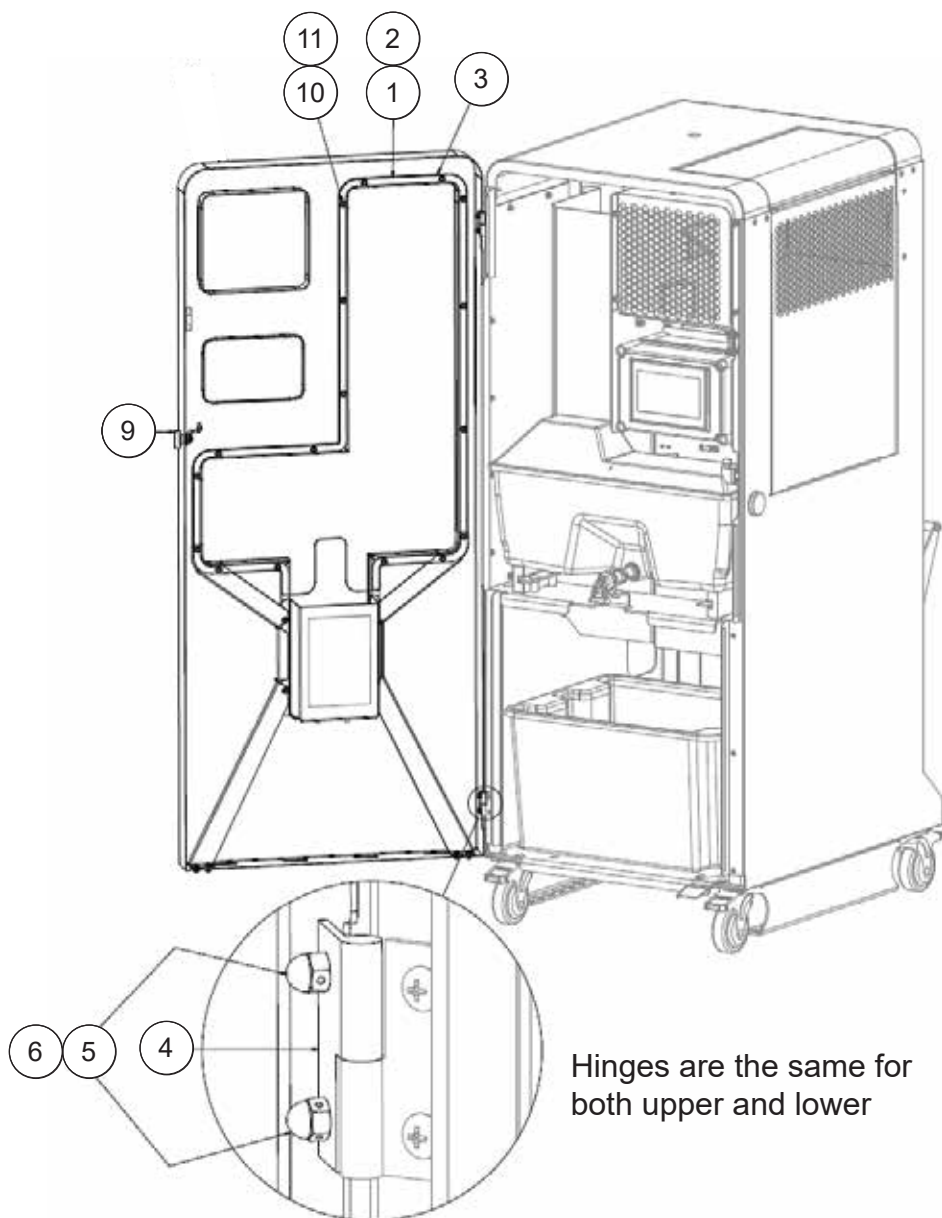
26. Decals

Item	Qty	Part Number	Part Number
1	1	009450103	Decal, Juicing Components Assembly/Dissassembly, English
2	1	06000104	Decal, Warning, English/Spanish
3	1	060100978	Decal, Logo, Fresh'n Squeeze, 3" x 8", Matte, Vinyl, FNS-3300
4	1	06000122	Label, Moving Juicer, CJ, MFJ, POS-1
5	1	06000120	Sign, Warning, Covers, FNS-3300
6	1	009450041	Decal, Cleaning Instructions, MFJ, POS-1
7	1	060100924	Fresh'n Squeeze Manual QR Code

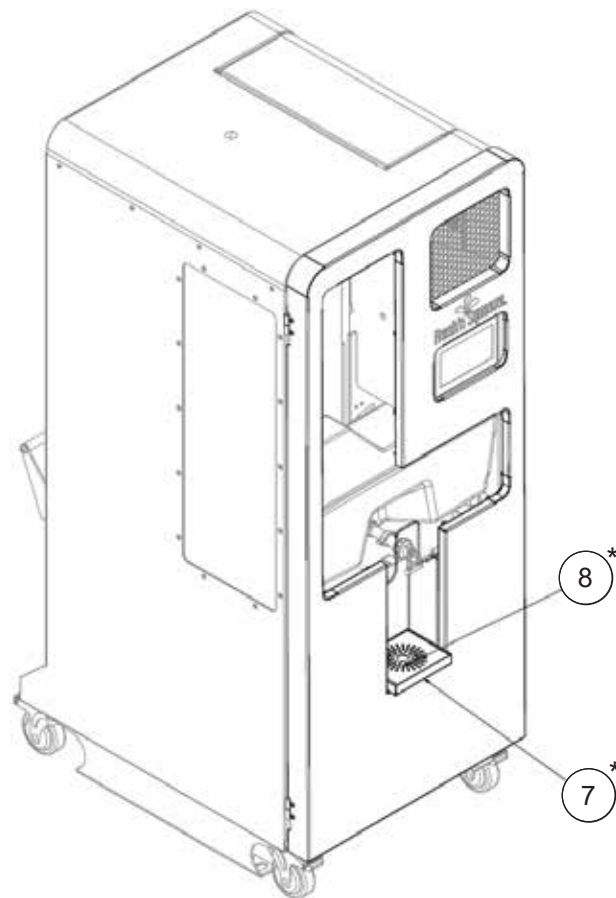


27. Reservoir Front Door - [06010382](#)

Item	Qty	Part Number	Part Number
1	1	06010516	Window Kit, Flat Door, FNS-3300/2nd Gen MFJ
2	1	06010381	Window, Front Door, Flat, FNS-3300/2nd Gen MFJ (Comes with 06010516)
3	1	06010380	Gasket, Flat Door, FNS-3300/2nd Gen MFJ (Comes with 06010516)
4	2	009284052	Hinge, Slip Joint, 2" Long x .84" Wide
5	4	004156166	Acorn Nut, 8-32, Stainless Steel
6	4	004401023	Screw with Thread Lock, Phillips Truss Head, 8-32, Stainless Steel
*7	1	06010146	Drip Tray Weldment, FNS-3300/2nd Gen MFJ (NOT INCLUDED IN 06010382)
*8	1	06010147	Cover, Drip Tray, FNS-3300/2nd Gen MFJ (NOT INCLUDED IN 06010382)
9	1	06010496	Door Latch Assembly, FNS-3300/2nd Gen MFJ
10	17	004385174	Screw, Drilled X-Wide, 8-32 x 1/2"
11	17	004815126	Washer, Bonded, #8 Screw



Hinges are "slip-on".
Lift door straight up to
remove door.



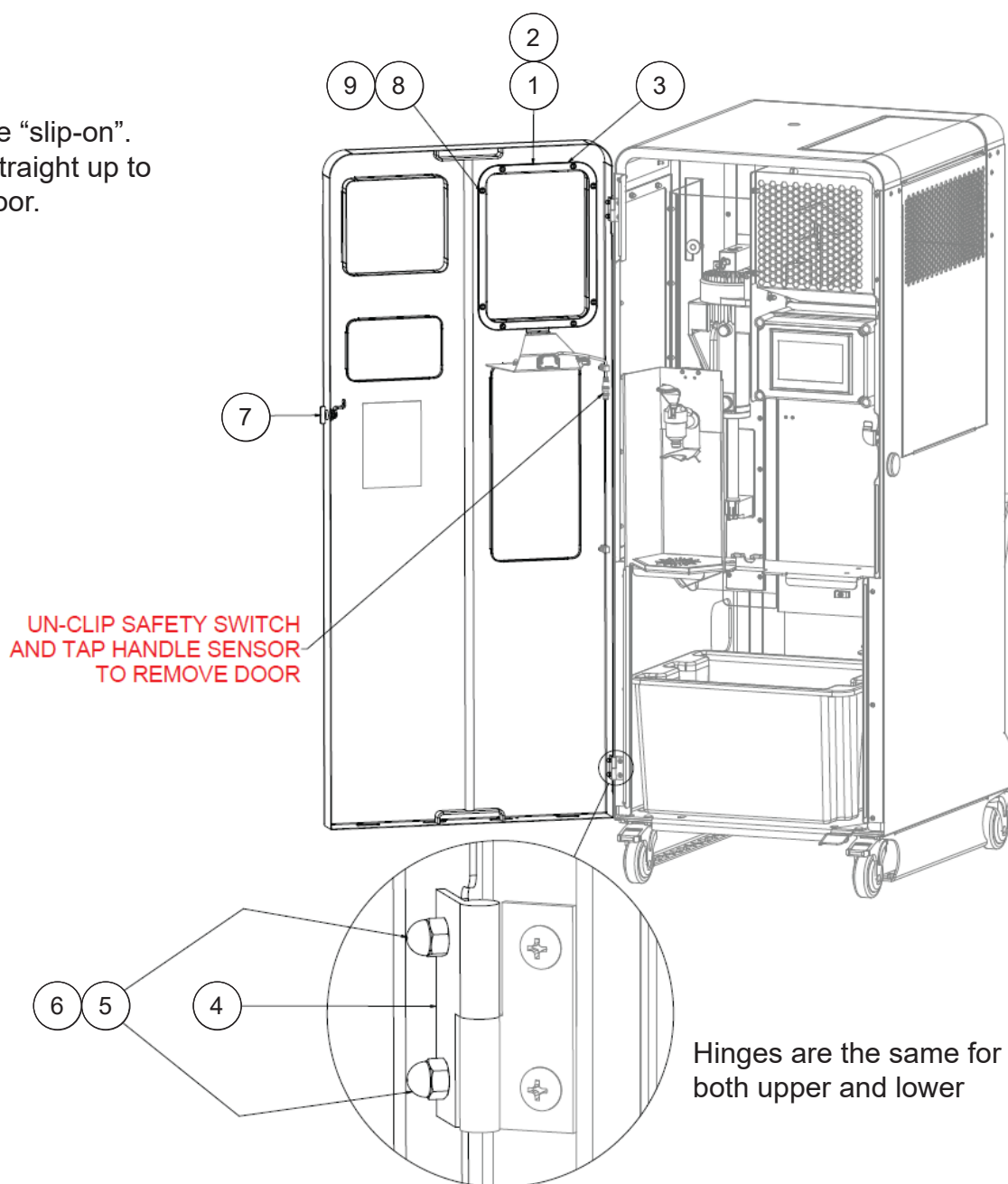
Hinges are the same for
both upper and lower

* Items are not included in 06010382

28. Self Serve “Tap” Front Door - 06010411

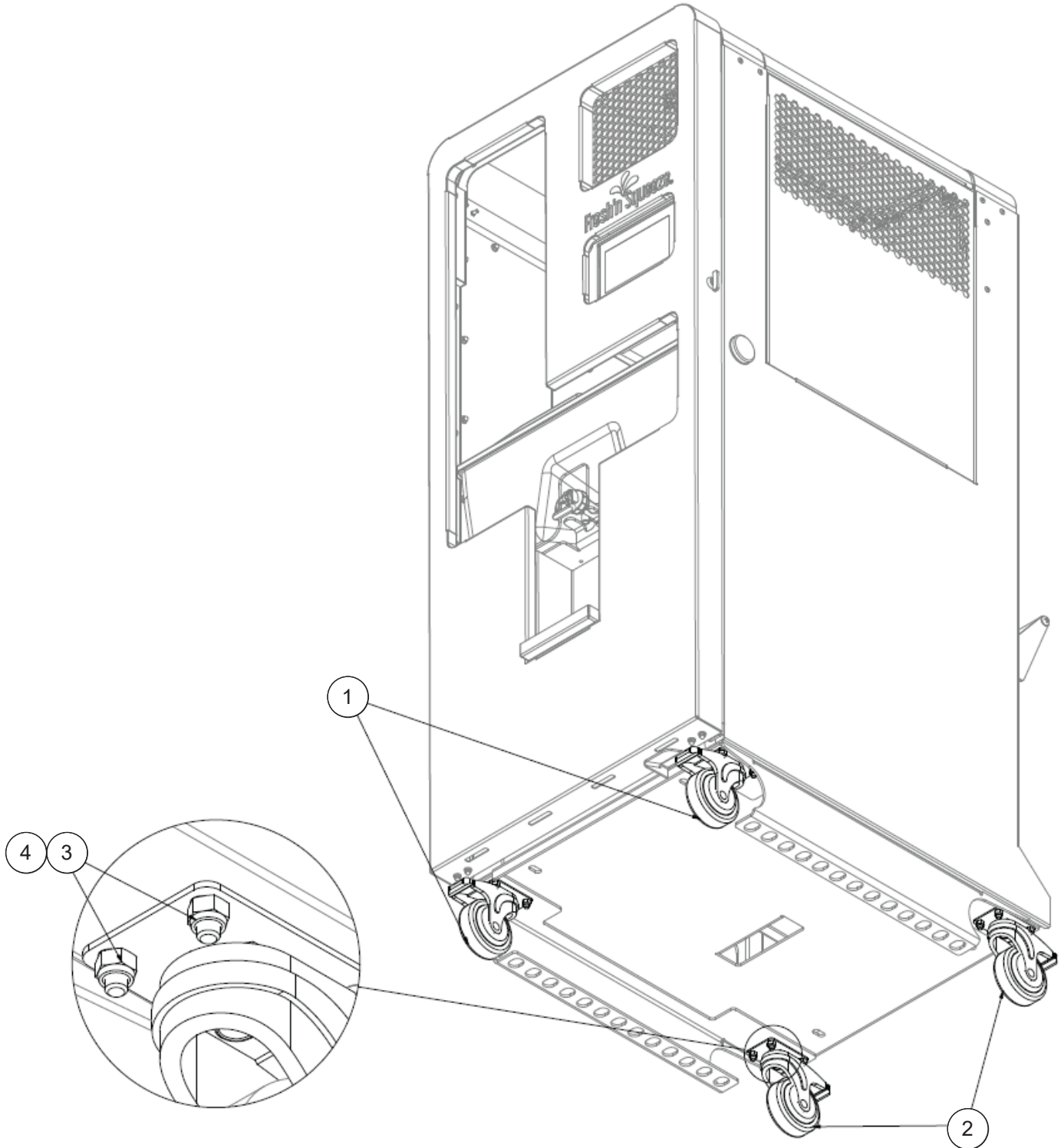
Item	Qty	Part Number	Part Number
1	1	06010517	Window Kit, Self Serve, Flat Door, FNS-3300/2nd Gen MFJ
2	1	06010449	Window, Self Serve, Front Door, Flat, FNS-3300/2nd Gen MFJ (Comes with 06010517)
3	1	06010448	Gasket, Self Serve, Flat Door, FNS-3300/2nd Gen MFJ (Comes with 06010517)
4	2	009284052	Hinge, Slip Joint, 2" Long x .84" Wide
5	4	004156166	Acorn Nut, 8-32, Stainless Steel
6	4	004401023	Screw with Thread Lock, Phillips Truss Head, 8-32, Stainless Steel
7	1	06010496	Door Latch Assembly, FNS-3300/2nd Gen MFJ
8	8	004385174	Screw, Drilled X-Wide, 8-32 x 1/2"
9	8	004815126	Washer, Bonded, #8 Screw

Hinges are “slip-on”.
Lift door straight up to
remove door.



29. Casters

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	2	009080561	Caster with Brake, Rigid Plate, 4", Nylon, Single
2	2	009080562	Caster, Swivel with Top Lock, 4", Nylon, Single
3	16	004156063	Nut, Hex, S/L, LT, 5/16"-18, SS
4	16	004011045	Bolt, Carriage, SQ Neck, 5/16"-18 x 1" LG, 18-8, SS



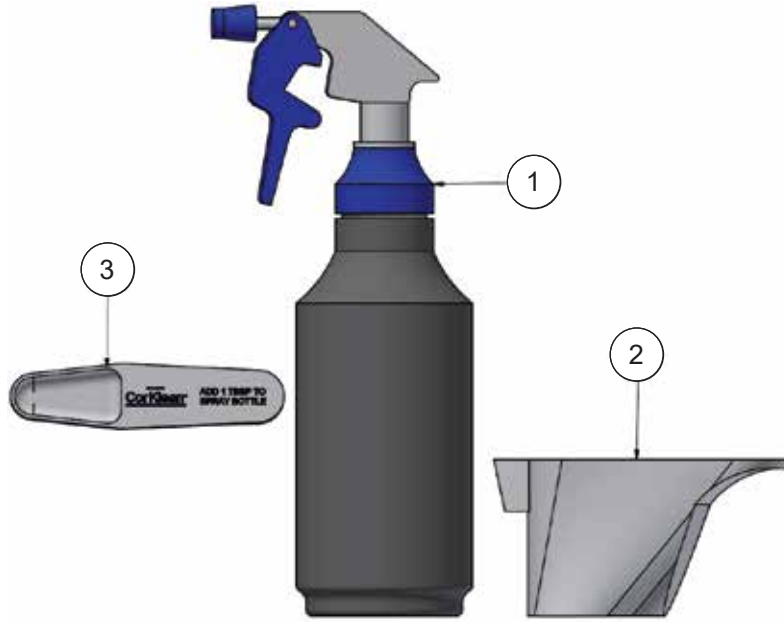
Kits List

The part numbers listed are kits associated with the FNS-3300. These numbers are for preventative maintenance, aftermarket replacement parts, and additional add-ons for the machine.

Parts List / Parts Drawing	Page
1. CorKlean Cleaning Components Kit - 06001127	74
2. CorKlean Packages	74
3. Preventative Maintenance Kit - 06009018	75
4. Hot Swap Kit - 060100720	76
5. Fruit Restrictors	76
5. Fruit Restrictors - Installation Instructions	77
6. Spare Parts kit - 06010490	78
7. Auto-Lubrication - 06010453	79

1. CorKlean Cleaning Components Kit - [06001127](#)

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	1	N/A	Bottle, 32oz., Wide Mouth, CorKlean
2	1	N/A	Scoop, 1 Cup, CorKlean
3	1	N/A	Scoop, 1 TBLS, CorKlean



2. CorKlean Packages

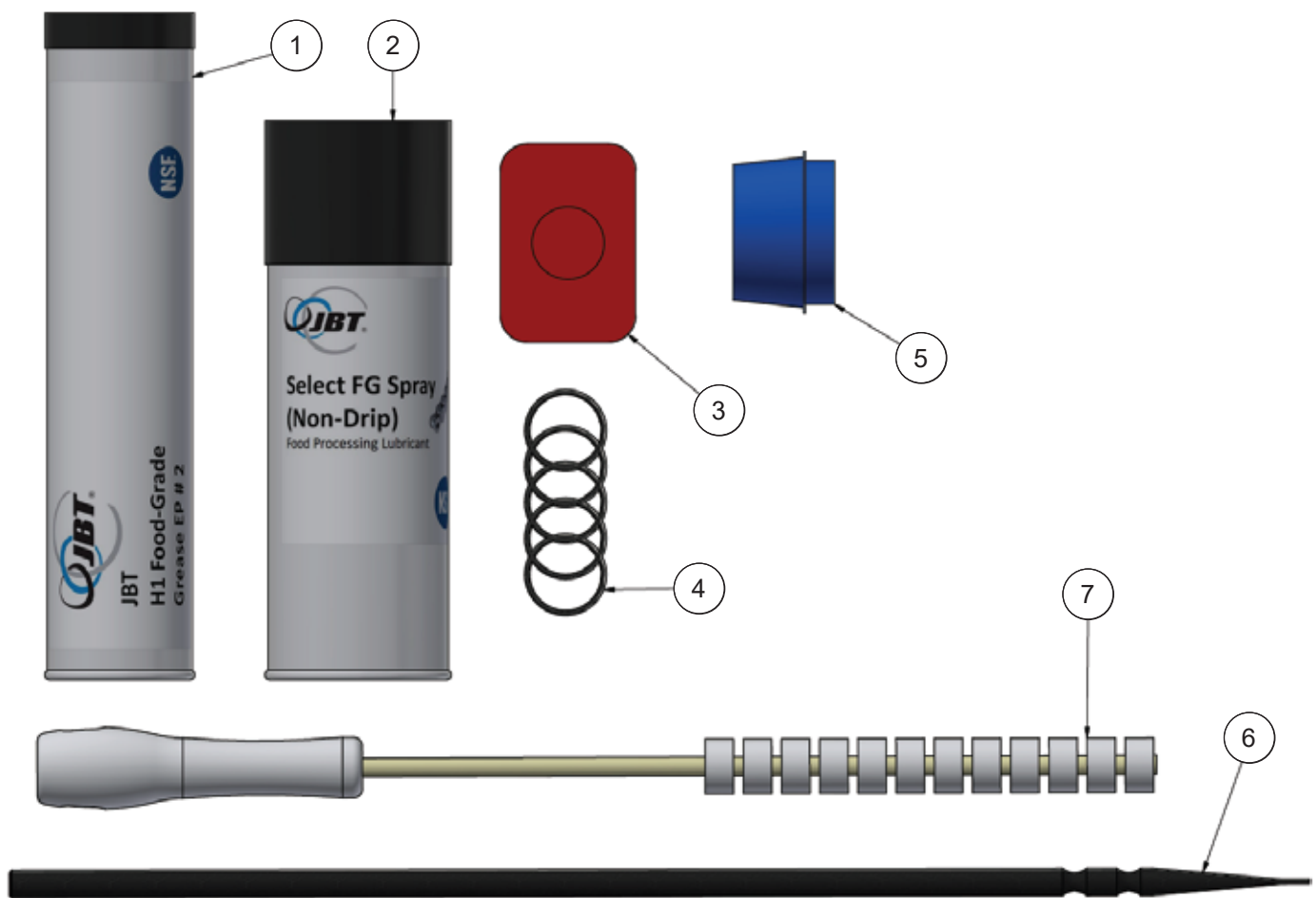
<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	1	003091001-2	CorKlean, Powdered Cleaner, 2 Pound Container
2	1	003091001	Cleaner, Corklean, 10 Pound Pail



Note: The 2 lb container is shown.
For a 10 lb container, see Item 2.

3. Preventative Maintenance Kit - 06009018

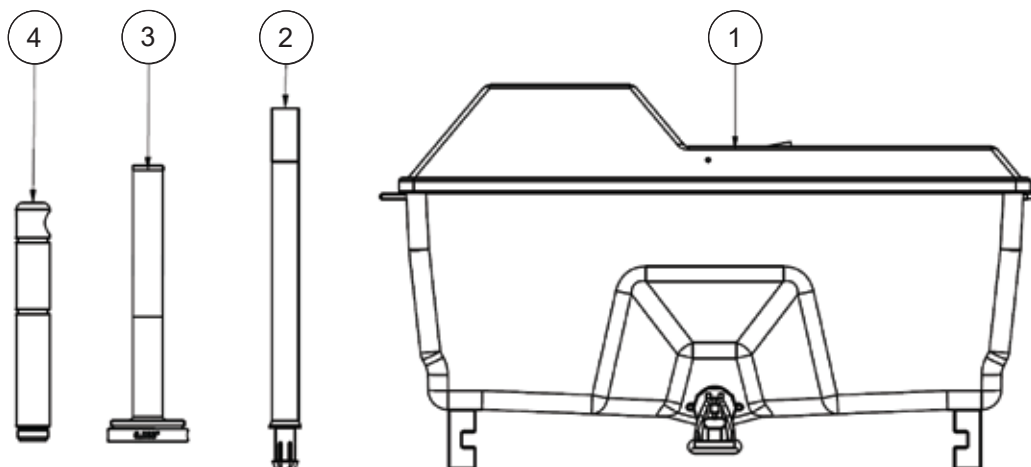
Item	Qty	Part Number	Part Number
1	1	575066	JBT Marel, H1, Food-Grade Grease, EP #2
2	1	575054	JBT Marel, H1, Food-Grade Chain Grease
3	1	009092018	Cap, Cover
4	5	007486119	O-Ring, Nozzle, Viton, 1/16" Section
5	1	06000225	Cutter and Knives, Machined
6	1	009080328	Brush, Tube, 1"
7	1	06000084	Rod, Orifice Clean Out



4. Hot Swap Kit - 060100720

Hot swap Kits are intended to quickly change out components to run varieties of citrus without having to clean in between. (i.e. lemons, limes, oranges etc.)

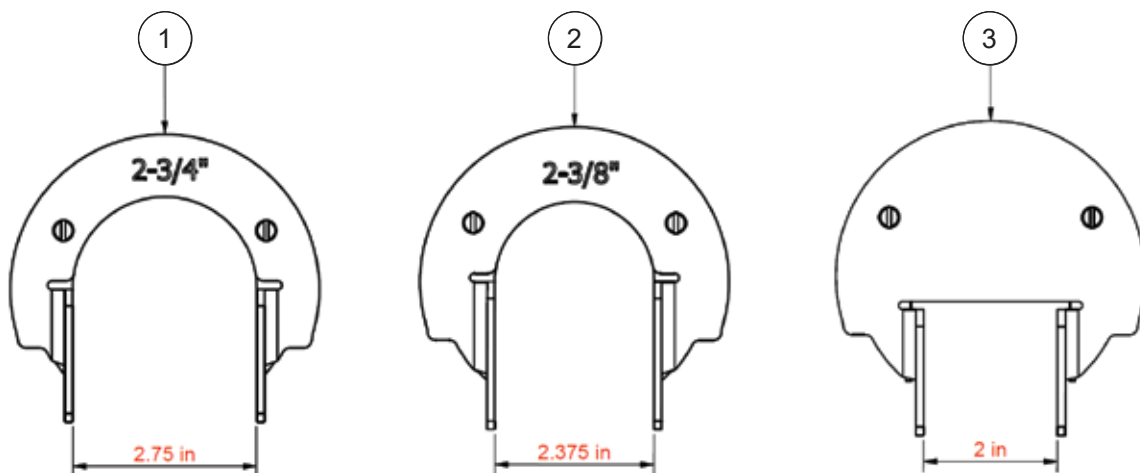
<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	1	06010096	Reservoir Assembly, Complete, FNS-3300
2	1	06010143	Tube, Orifice, Snap In
3	1	06000086	Tube, Strainer, MFJ, .033 (Standard)
4	1	060101002	Nozzle with O-Rings, FNS-3300



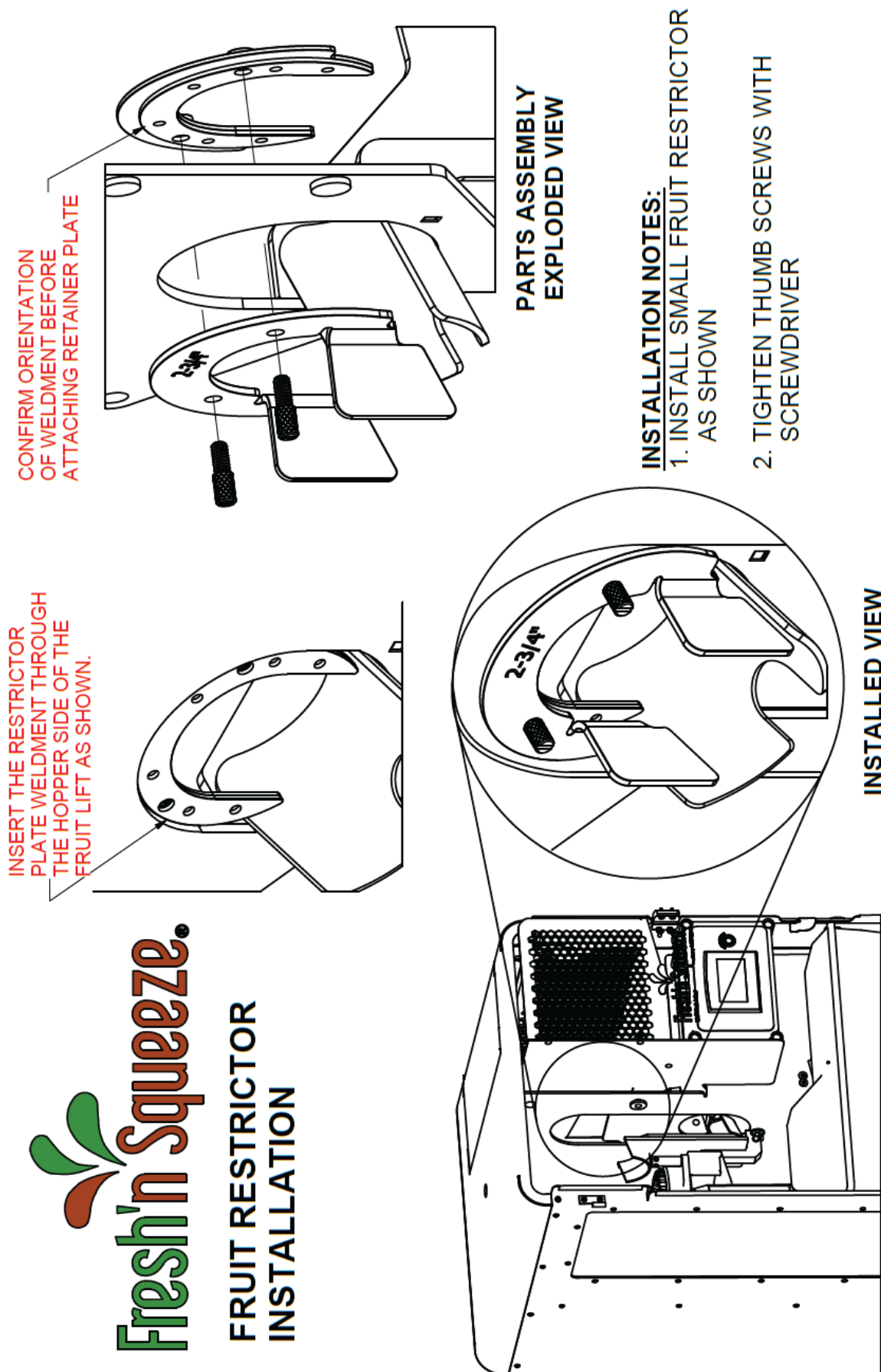
5. Fruit Restrictors

If running a lot of smaller fruit, double feeding and even triple feeding may occur. This can cause yield loss and higher wear on parts. To run optimally for these smaller fruit, we have developed fruit restrictors to improve feeding. Please note the size of fruit that you are going to be running, and see next page for installation instructions.

<u>Item</u>	<u>Qty</u>	<u>Part Number</u>	<u>Part Number</u>
1	1	06010465	Fruit Restrictor Kit, 2.75", Assy, (For fruit that is smaller than 2.75" and larger than 2.375")
2	1	06010538	Fruit Restrictor Kit, 2.375", Assy, (For fruit that is smaller than 2.375" and larger than 2")
3	1	06010543	Fruit Restrictor Kit, 2", Assy, (For fruit that is smaller than 2")

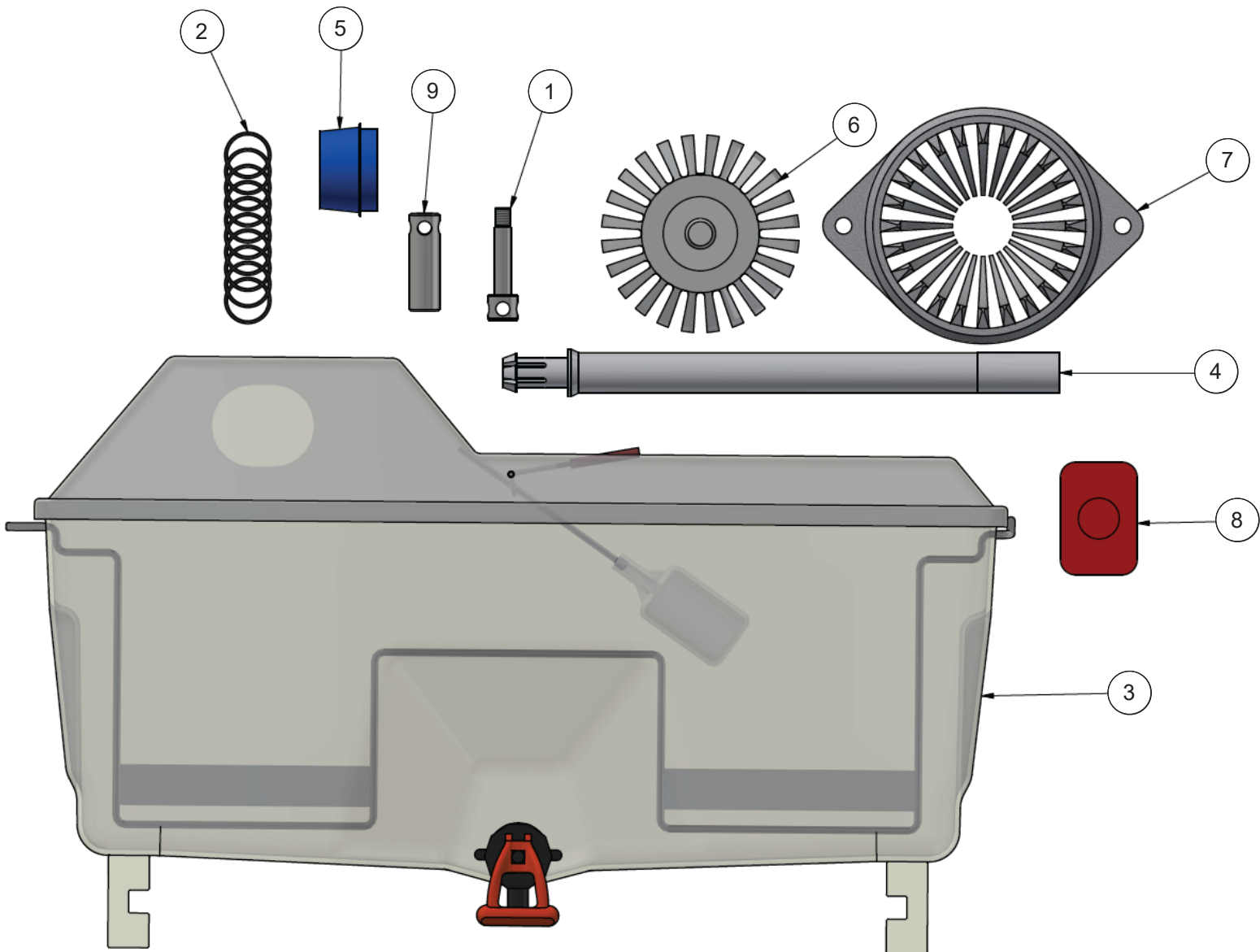


5. Fruit Restrictors - Installation Instructions



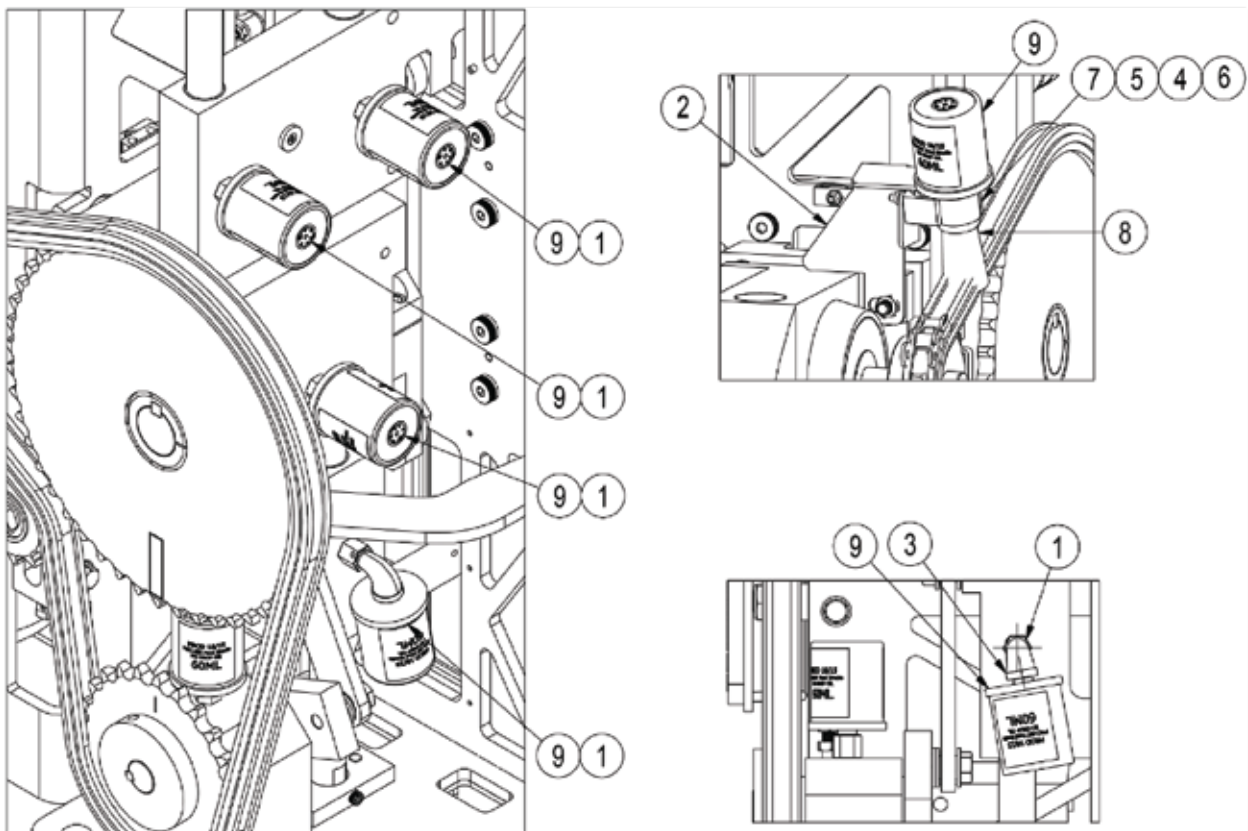
6. Spare Parts kit - 06010490

Item	Qty	Part Number	Part Number
1	1	06010073	Screw, Spanner
2	10	007486119	O-Ring, Nozzle, Viton, 1/16" Section
3	1	06010096	Reservoir Assembly, Complete, FNS-3300
4	1	06010143	Tube, Orifice, Snap In
5	1	06000225	Cutter and Knives, Machined
6	1	06000027	Cup, Upper, Assembly
7	1	06000004	Cup, Lower, Machined
8	1	009092018	Cap, Cover
9	1	06000098	Nut, Spanner



7. Auto-Lubrication - [06010453](#)

Item	Qty	Part Number	Part Number
1	5	06010456	Fitting Adapter, Modified, 1/4" GX X 1/4-28
2	1	06010452	Lubricator Bracket
3	1	007130811	Elbow, 90 Degree, Street, 1/4" BSP, 304SS, 150#
4	2	004816052	Washer, Plain, #10
5	1	004401030	Screw, Machine TRS, 10-24 X 3/4", SS
6	1	004156041	Nut, Hex S/L, 10-24, SS
7	1	003460093	Lubricator Brush, Clamp, Round
8	1	003460092	Lubricator Brush, Round, 1/4" BSP Female
9	6	003460091	Lubrication, Dispenser, 60 ML, 1/4" BSP Male



NOTES:

WHEN REPLACING LUBRICATION DISPENSERS, PREPARE AND CALIBRATE PRIOR TO INSTALLING.
 IF PRODUCTION IS LESS THAN 50 GALLONS OR 200 LITERS PER DAY, SET THE INTERVAL TO 12 MONTHS.
 IF PRODUCTION IS GREATER, SET THE INTERVAL TO 6 MONTHS.



DO NOT REMOVE PLUG FROM OIL FILLED UNITS!
 CUT OFF THE PROTRUDING NIPPLE WITH A KNIFE; A SMALL BLACK POINT BECOMES VISIBLE (OPENING NOW GUARANTEED).



TO START THE SIMALUBE LUBRICATOR, SET THE GAS GENERATOR TO THE REQUIRED DISPENSING TIME (STEPLESS IN MONTHS. 1-12) USING A 3 MM ALLEN KEY.
 THE LUBRICATOR IS ACTIVATED ONCE THE DISPENSING TIME HAS BEEN SET.

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