Dog Wash Models 801-1LA-RMP, 801-1LA-STR, 801-1RA-RMP, 801-1RA-STR

PRODUCT INFORMATION

Please take a moment to fill out the information below in order to aid us with any future sales or service inquiries. Model number and serial number information can be found on the serial tag located inside the control box and/or on the lower exterior of the can. Key number can be found on the tag that comes attached to the keys. There may be more than one key number depending on unit.

Please keep this information with your records.

MODEL#:_____

SERIAL#:_____

KEY NUMBER(S):_____

DATE PURCHASED:_____

DISTRIBUTOR:_____

J.E. Adams Industries
1025 63rd Ave. S.W.
Cedar Rapids, IA 52404
1-800-553-8861
www.jeadams.com

Specifications

Unit specifications:	801-1LA-RMP, 801-1LA-STR, 801-1RA-RMP, 801-1RA-STR
Voltage:	120VAC, 60Hz
Amperage:	(1) 20 amp dedicated service is required for this unit
Weight:	550 lbs with pallet attached.
Blower specifications:	8061-720-DW
Motor:	(1) 120VAC Blower motor, 12.4 amps
Fuses:	(1) 15 amp inline fuse
Rinse and Soap solenoids:	5861B24
Solenoids:	(2) 24VAC, 1.2 Amps, (28 Watt)
Operation:	Only one solenoid would ever be energized when unit in operation.
Injector Solenoids:	801-80A
Solenoids:	(6) 24VAC, 6.5 Watt
Operation:	Only one solenoid would ever be energized when unit in operation.
Optional Electric Water Heater	801-111A (completely separate independent electrical service)
Voltage	240VAC, 60Hz (33A, 8K Watts)
Amperage:	(1) 40 amp dedicated service.
Operation:	Only energized when water flow over .3gpm is present

Duty cycle time 10 minutes on, 10 minutes off.

## NOTE: "UNIT INTENDED FOR COMMECIAL USE"

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE)

WARNING – To reduce the risk of fire, electric shock, or injury:

- Unit must be connected to properly grounded circuit.
- Use only as described in manual. Use only manufactures recommended attachments.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not use to clean flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not use near anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use with doors open.
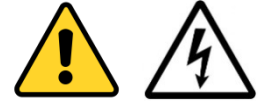
SAVE THESE INSTRUCTIONS

- **Installation Instructions:**
- Determine location to mount unit (**"DANGER" "THIS EQUIPMENT INCORPORATES PARTS SUCH AS SWITCHES, MOTORS, OR THE LIKE THAT TEND TO PRODUCE ARCS OR SPARKS THAT CAN CAUSE AN EXPLOSION. WHEN LOCATED IN GASOLINE-DISPENSING AND SERVICE STATIONS INSTALL AND USE AT LEAST 20 FEET (6 M) HORIZONTALLY FROM THE EXTERIOR ENCLOSURE OF ANY DISPENSING PUMP AND AT LEAST 18 INCHES (450 MM) ABOVE A DRIVEWAY OR GROUND LEVEL."**
- Run 20 amp service to that location *(Power to be supplied to internal control box mounted on lower door). Optional Electric water heater requires 40 amp service.*
- **Grounding Instructions**: This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.
- **Circuit must be protected by GFCI device.**
- All local and national electric codes must be followed for installation and use.
- Licensed electricians are recommended for installation.

PRODUCT CONFIGURATION

Tower

Tub

80.0

25.5

55.2

69.9

72.9

TUB

21.75

76.2
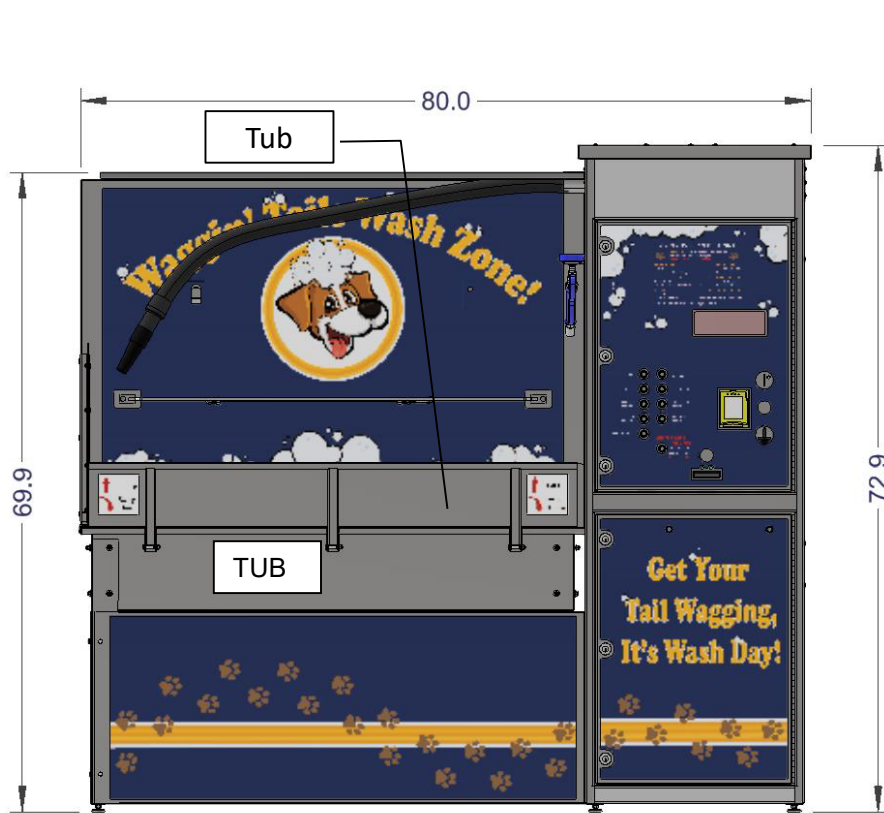
801-1LA LEFT ORIENTATION FROM FACTORY

801-1RA RIGHT ORIENTATION FROM FACTORY

Product can be configured to have tub on left or right side of the control tower. This is a factory configuration due to side door and top cross bar being left and right hand specific. The ramp or stairs option can be oriented to come out front or side regardless of left or right configuration.

Left tub orientation with ramp or stairs, front or side orientation
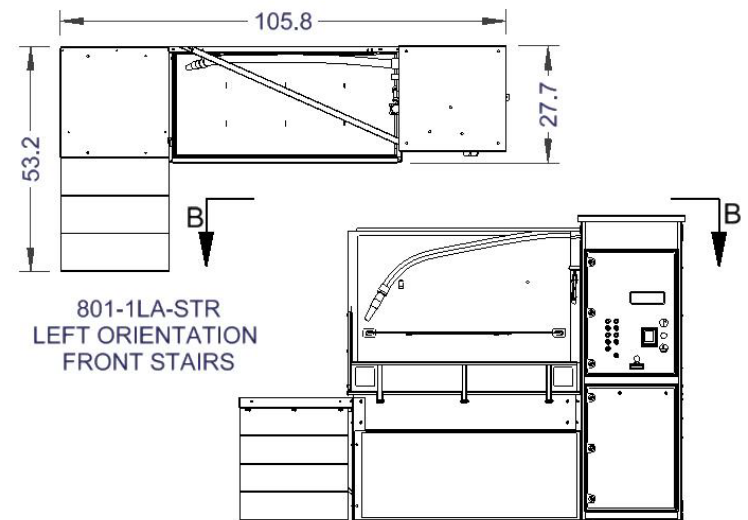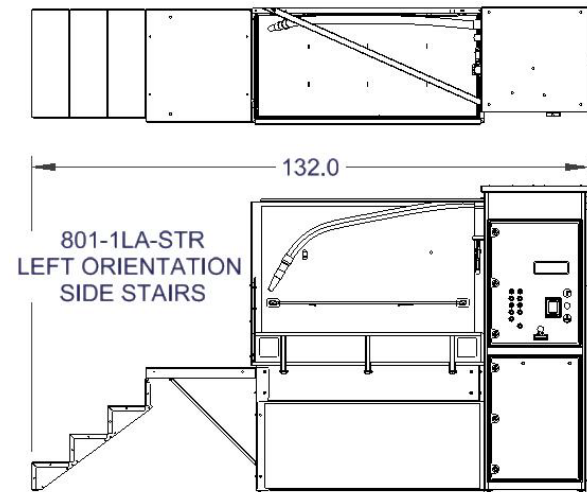
ILA-STR

87.0

A   A

801-1LA-RMP
LEFT ORIENTATION
FRONT RAMP

106.1

132.0

801-1LA-STR
LEFT ORIENTATION
SIDE STAIRS

27.7

801-1LA-RMP
LEFT ORIENTATION
SIDE RAMP

105.8

53.2

27.7

B   B

801-1LA-STR
LEFT ORIENTATION
FRONT STAIRS

6

Rev 6-16-25

PRODUCT DIMENSIONS

Right tub orientation with ramp or stairs, front or side orientation

801-1RA-RMP
RIGHT ORIENTATION
FRONT RAMP

87.0

26.6

105.7

801-1RA-RMP
RIGHT ORIENTATION
SIDE RAMP

165.8

105.7

53.2

801-1RA-STR
RIGHT ORIENTATION
FRONT STAIRS

132.0

27.7

72.9

801-1RA-STR
RIGHT ORIENTATION
SIDE STAIRS

Rev 6-16-25
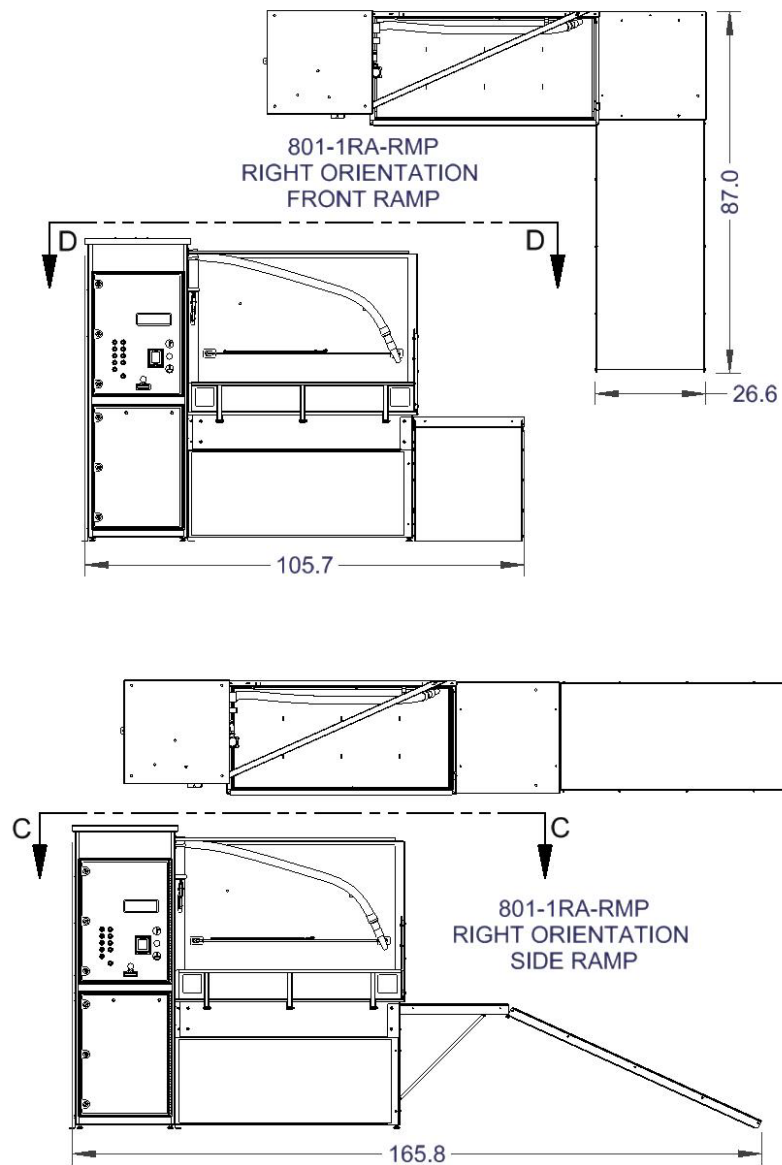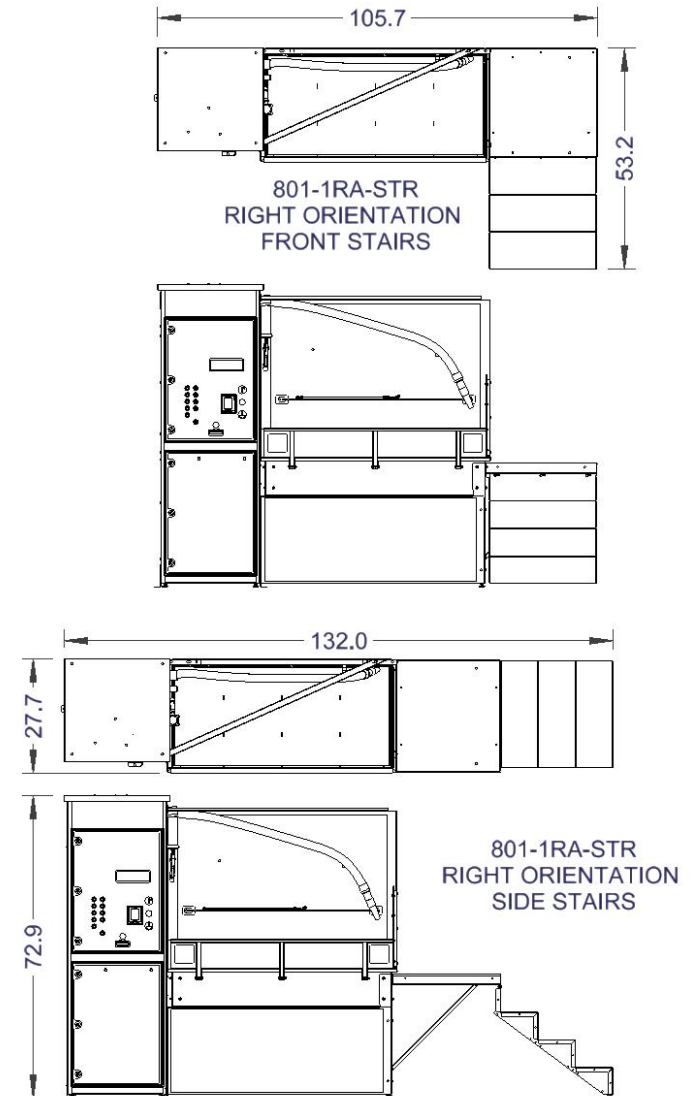
Installation:

Requirements at site:

1. Hot and cold water source, standard faucet flow requirements (1.5GPM required). On demand water heater option available

2. Drain for waste water. The fitting out bottom of dog wash tub is 2" stainless pipe threaded 2" NPT. Bottom of pipe is 14.5" from ground.

3. 120VAC, 20amp dedicated service. (240VAC, 40amp service for electric water heater option)

A

BACK VIEW OF 801-1LA
SCALE .06

Optional 7/8"
electrical knockout
in back wall.

2" NPT

14.6

21.8

54.419

A

Incoming water
knockouts on either side
of tower cabinet.

SECTION A-A
SCALE .06

7/8" electrical
knockout on both
sides of tower cabinet

13.7

21.8

Optional (6) ADJUSTABLE
FEET FOR LEVELING
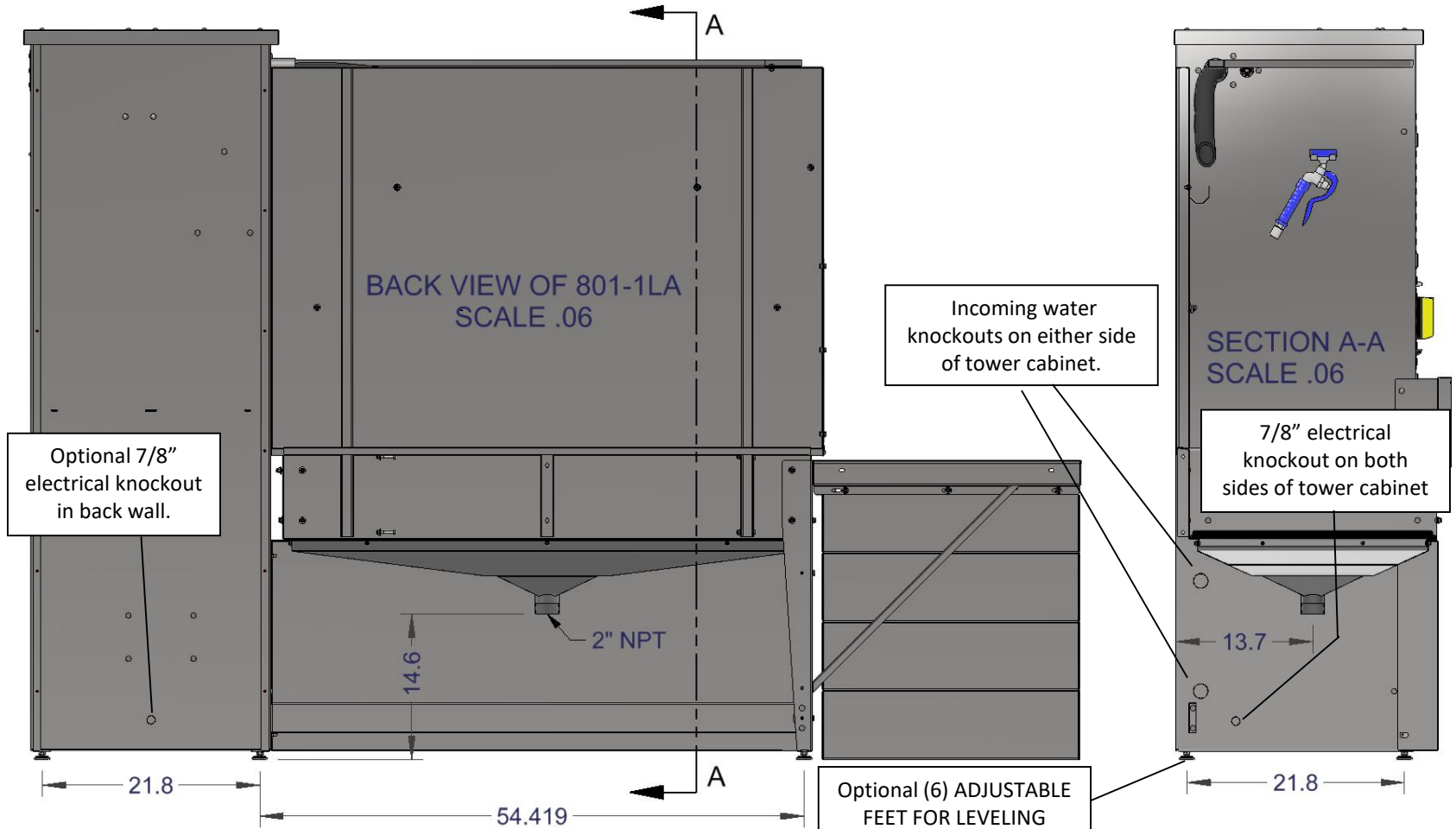
Installation Continued:

Step 1. Locate Dog Wash with consideration of which configuration ordered and if using ramp or stairs oriented out front or to side. (see earlier pages 6 &7 for dimensional information).

Step 2. Remove unit from shipping pallet by removing screws on bottom corners of tower. The tower cabinet portion is very heavy, lifting from tub end will stress components. Minimum 2-3 person task.
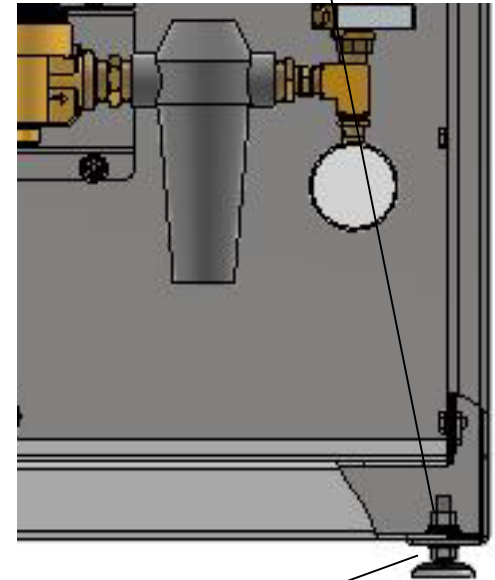
Step 3. Two options for anchoring dog wash: Unit can be bolted directly to smooth level floor using appropriate anchors (not supplied) and shims to create level surface or use adjustable feet. To use feet, use two people minimum to tip cabinet rearward to allow space to insert leveling feet in bottom holes of cabinet and tub leg. Leave 3/8" nut and washer on bottom side of cabinet then thread washer and nut on top side of cabinet/ leg. Tip other direction and repeat. Use bottom nut on foot to adjust height accordingly. Having feet improperly adjusted can affect door fit and function.

Installation Continued:

Step 4. If installing on leveling feet and not anchoring directly to floor then installer must use tip over bracket shown. Bracket must be anchored to the ground once unit is leveled and positioned. (2) Brackets 801-59 are supplied with Dog Wash but anchors for attaching to floor are not supplied.
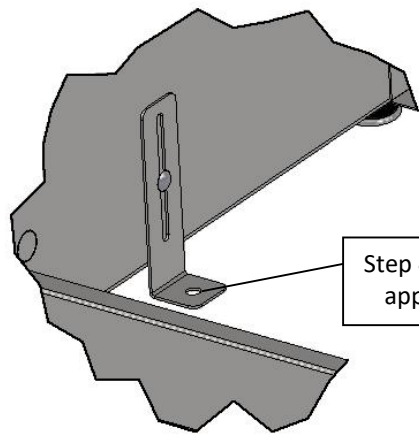
Step 4 continued: Anchor bracket to floor using appropriate anchor hardware (not supplied)

DETAIL Tip Bracket
SCALE .2

Tip over bracket can be used on either or both sides but it's suggested to mount on side under tub so out of view of general public

Tip Bracket

Rev 6-16-25
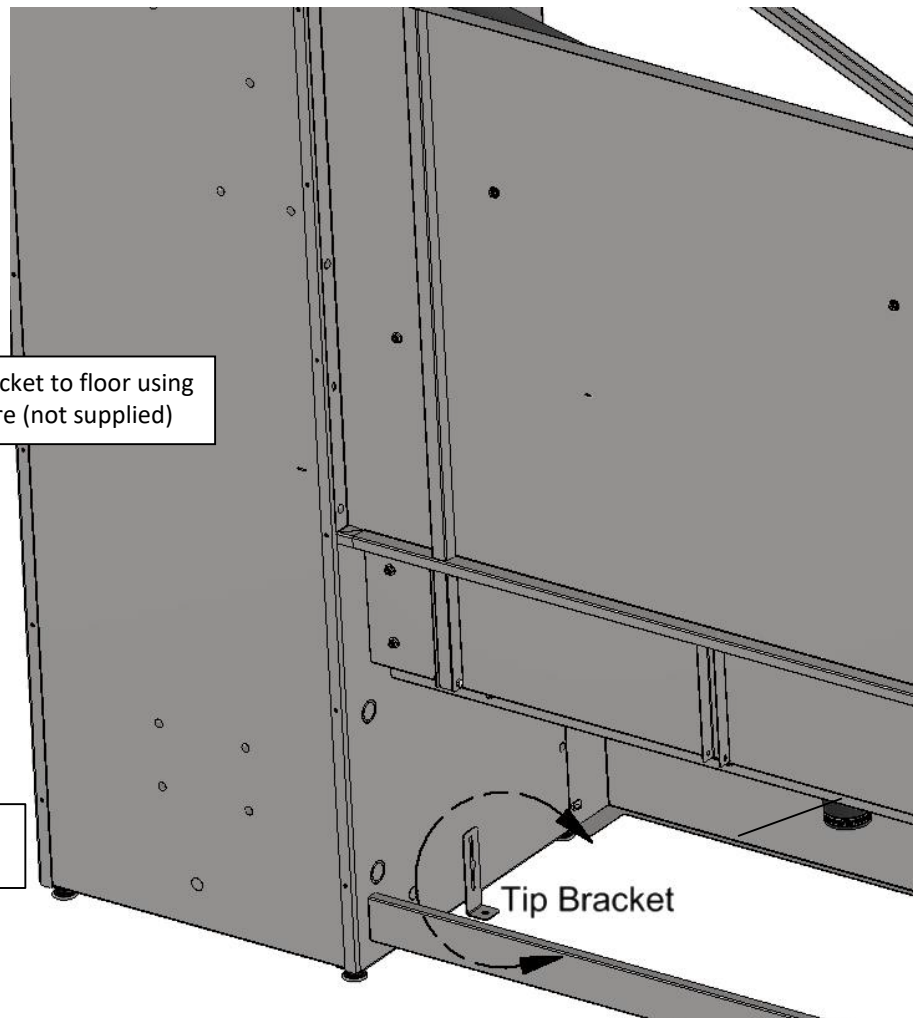
Installation Continued:

Step 5. Depending on what configuration is installed or direction to water source (left or right) remove knockouts on either side of cabinet for hot and cold water lines. Mixing valve stamped with "H" for hot and "C" for cold. Valve assembly comes with 3/4" male garden hose connection (same as used on typical clothes washer connection) but if alternate fitting is desired the threads on valve are ¾" NPT

Unit comes with male garden hose fittings on hot and cold sides of mixing valve. Valve has ¾" female NPT threads if alternate connection is desired to connect water source.

Incoming cold water

Incoming hot water

7/8" electrical knockout

Optional rear 7/8" electrical knockout
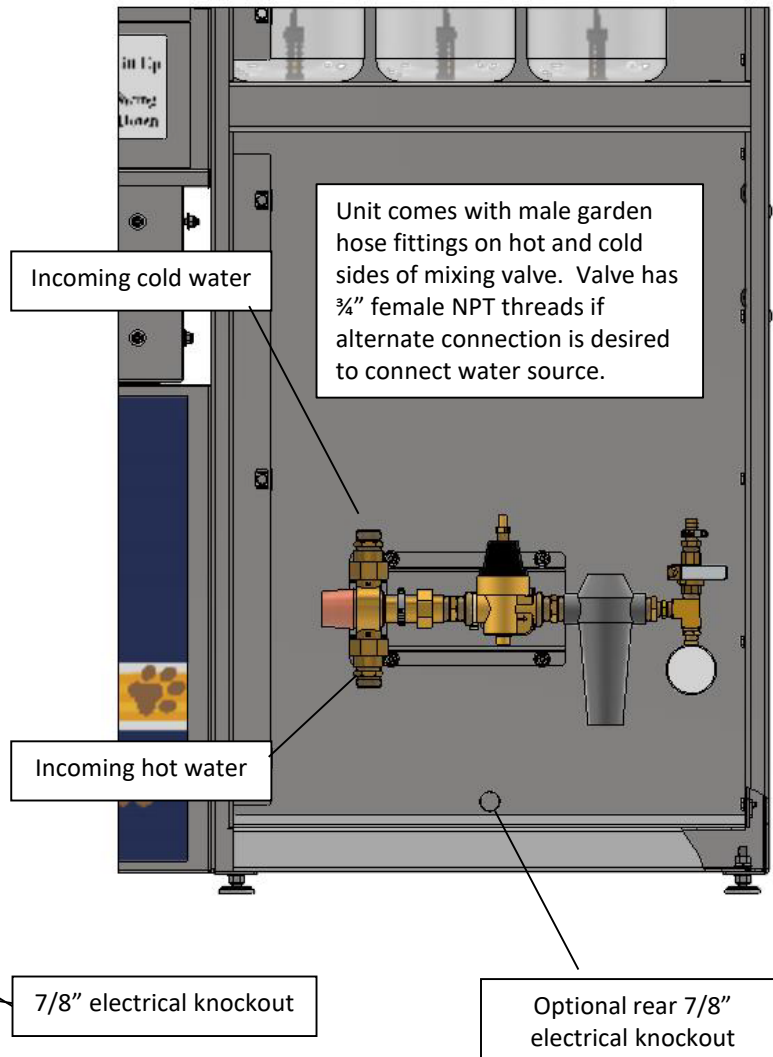
Installation Continued:

Step 6.   Connect drain from center of tub portion. This is a 2" schedule 40 threaded pipe nipple (2" NPT) and is 14.5" minimum off the ground. Unit is also supplied with Fernco Rubber fitting to use to connect to PVC drain pipe if threaded connection isn't as convenient.

Access to plumbing can be achieved through front of unit by removing front lower cover or side cover. Front cover has two screws inside the tower cabinet the rest of the screws for both covers are ¼-20 hex bolts easily accessible.

12

Rev 6-16-25

Installation Continued:

Step 7. Electrical service power, 120vac, 20A service should come in on either side of cabinet or rear of cabinet. Service wire and conduit (not supplied) should be routed from cabinet wall to underside of control box hung on lower door. Leave substantial service loop so door can freely open.

Control box Cover removed

Circuit Breaker

24VAC (-) (BLUE)

24VAC (+) (YELLOW)

120VAC NEUTRAL (WHT)

120VAC LINE (BLACK)

#10 Ground stud Incoming Ground

Jumpers making adjacent terminals common

½" trade size liquid tite conduit connector supplied

120VAC Neutral

120Vac Line Incoming power

Rev 6-16-25

Installation Continued:

Step 8.   Remove two top ¼-20 upper leg mounting nuts and flat washers, leave one flat washer on bolt on each leg. Position platform for either side exit or front exit, then replace flat washer then ¼-20 nylock nut. **Support platform until following step can be performed.**

Platform (801-36W-P) oriented to go out front of tub

Note, showing left tub orientation

Leave washer between platform and tub to offset helm thickness

C

DETAIL C
SCALE 1 / 5

DETAIL B

Platform (801-36W-P) oriented to go out side of tub

¼"-20 nylock nut and flat washer

B

Platform (801-36W-P) oriented to go out side of tub.

Note, showing right tub orientation

14
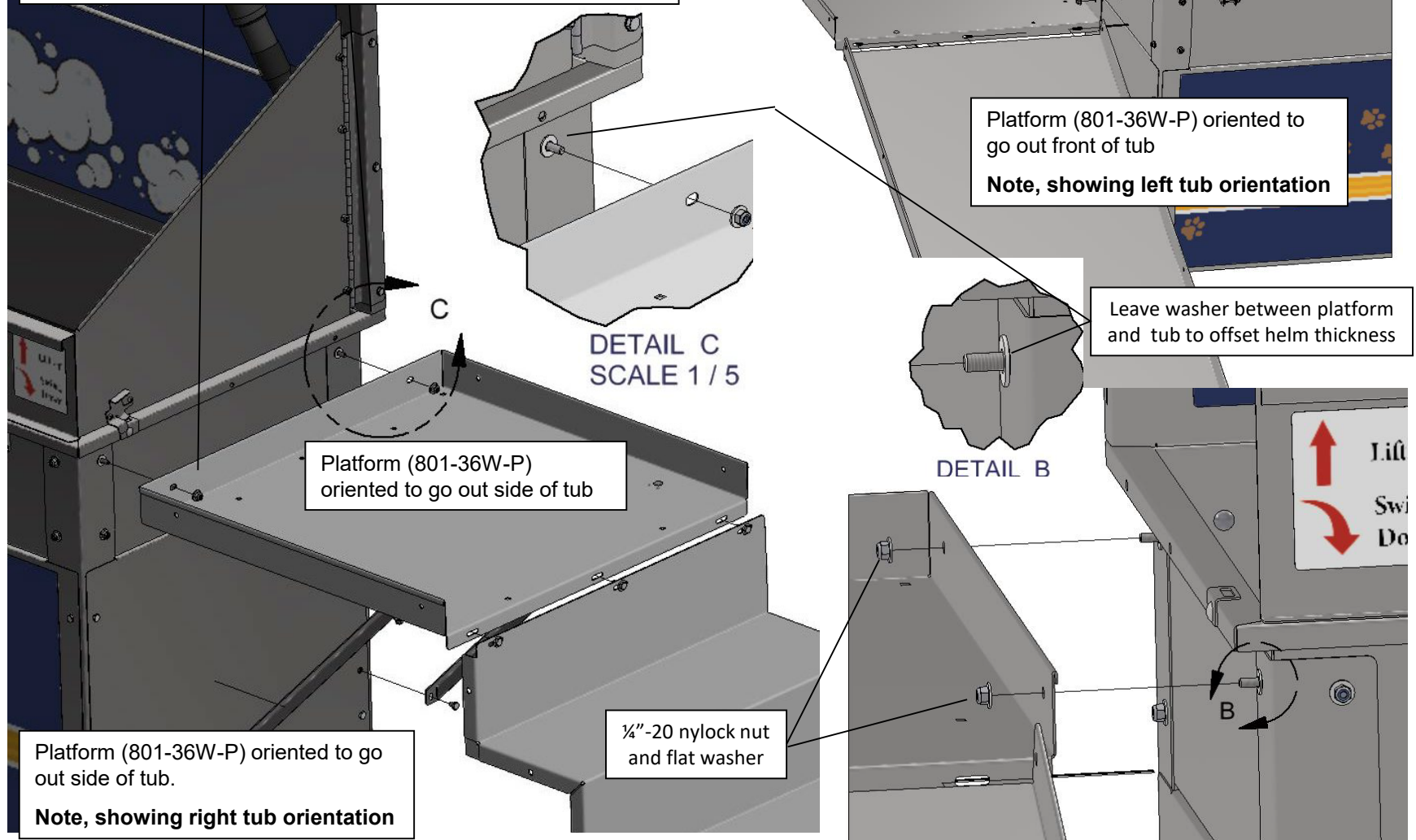
Installation Continued:

Step 9 While supporting platform install (2) Angle Support Brackets (801-37W) by temporarily removing middle end panel screws for lower connection and using ¼-20 x ½" carriage bolt from above platform with ¼" nylock nut.

Platform (801-36W-P) oriented to go out side of tub

Installation Continued:

Platform (801-36W-P) shown oriented to go out side of tub, same exact assembly if ramp or oriented out front of tub

Lift Up
Swing Down

Step 10   Using (3) ¼-20 x3/4" hex bolts with flat washer, pass bolt/washer through stairs or ramps (3) slots and attach to platform. Use flat washer and ¼-20 nylock nut on underside of platform to secure.

Step 11. If using adjustable feet on rest of Dog Wash then use (2) adjustable feet on outer holes on bottom of stairs. Otherwise secure outer holes with anchors similar to rest of dog wash per step 3.

On Demand Water Heater Option

This option allows water heater to be mounted inside lower cabinet area of dog wash. The water heater functions independently of the Dog Wash and is only activated when water flow is detected. Power to the water heater is the responsibility of the wash owner. This water heater requires 240Vac, 40 amp service. Install per electrical code.

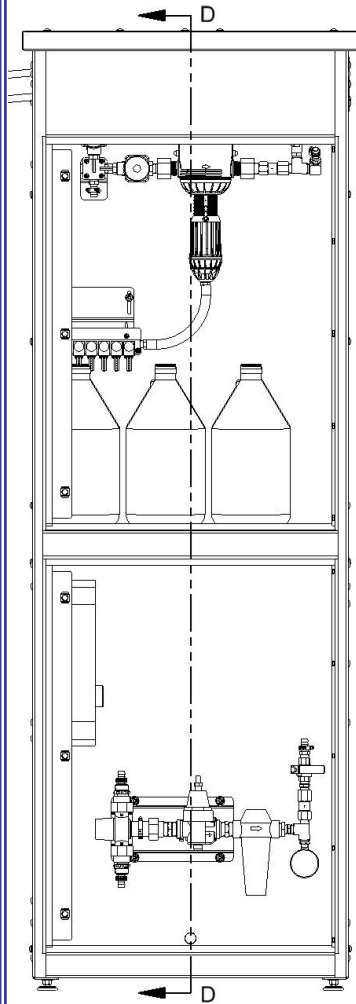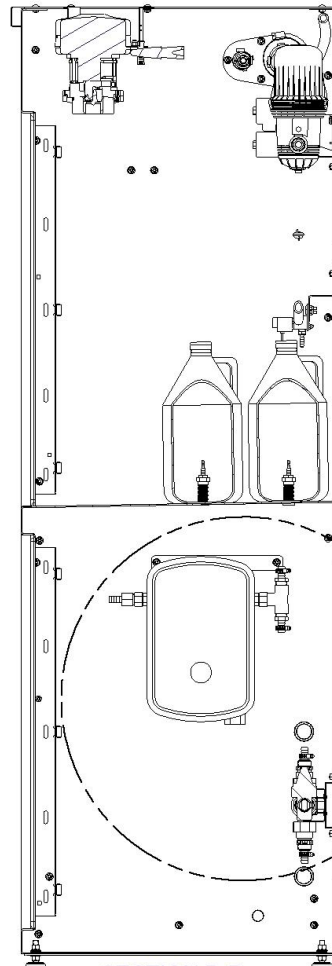Temporarily remove two of the three ¼-20 flange nuts that hold the tub to the tower. Set water heater mounting frame over the tub mounting bolts and replace flange nuts.

Water heater with front cover removed

Cold to valve

Hot to valve

Water heater

Incoming cold water

Cold

Mixing valve

Hot

Line 1

Line 2

¾" conduit fitting female thread

Water heater mounting bracket (801-110W-1

With using water heater option the cold water line will enter the upper knockout and incoming 240vac can use the lower knockout.

Cold water will come in lower Tee on water heater, cold to mixing valve comes out upper Tee. Hot from water heater to hot side of mixing valve.

D

D

FRONT VIEW OF JUST TOWER
SCALE .1

SECTION D-D
SCALE .1
SIDE VIEW

E

Component Programming

Programming Instructions:

Coin acceptor:

No programming to acceptor needed if unit was purchased with the standard Imonex Z32 electronic acceptor (8149-92 our part number) is pre-programmed to accept US quarters, .984 tokens, US $1 coin and 1.073 token. Acceptor is pre-programmed before it is sent to J.E. Adams.

If different acceptor was purchased, see additional literature sent along with unit for programming info.

Bill acceptor:

Bill acceptor comes pre programmed from J.E. Adams and should not require any changes. If additional programming is needed to acceptors please refer to additional literature sent along with this unit.

Display:

Unit may be programmed when received depending on information given at that the time of order.

To program follow the instructions below.

Display programming with remote:

1) Press the red power button.

2) Timer will display 0000. At this time type in 4 digit access code. Note code will be 1234 until changed by customer.

3) Once code has been entered display should read ok. If display does not read ok, repeat step 1 and 2.

4) Press *CH +* button. Timer will display coin value. This should $.25 and should not be changed.

5) Press the *CH +*button. Display will now read (*A: 30*) or may be a different time. (*A*) Will be the time per coin for the *Dog Wash*. Set desired time per coin by using the *VOL –* to decrease or the *VOL +* to increase. Once time is entered move to next step.

6) Press the *CH +* button. Display will now read (*B: 30*) or may be different time. No other functions are used in Dog wash application so continue to press *CH+* so you pass B, C, D, E and F

7) Press the *CH +* button. Display will now read (on A). This is the number of coins to start *Dog Wash.* Use the *VOL –* and *VOL +* to adjust. Once this is done press the *CH+* button and repeat to get past B through F

8) Press the *CH +* button. Display will read bonus time. Set if desired. See explanation at the end programming instructions.

9) Press the *CH +* button. Display will debit mode. Set if desired. See explanation at the end programming instructions.

10) Press the *CH +* button. Display will delayed start. Set if desired. See explanation at the end programming instructions.

11) Press the *CH +* button. Display will read *HLxx*. Set if desired. See explanation at the end programming instructions.

12) Press the *CH +* button. Display will read Restart off or restart on depending on what is set. Restart off will require a person to put in full amount after unit is turned off to reactivate. Restart on allows for additional coins to be put in the machine to keep unit running. To set use *VOL –* or *VOL +* to change.

13) Press the *CH +* button. Display will now read *STD* or *USER* or *MIX*. To make a custom message use *VOL +* button to scroll to USER. At this point press and hold *CH +* button until original message appears. At this time you may change the message simply by using the *VOL –* or *VOL +* buttons to change letters. *Once message has been entered you must put the symbol / at the end of message.* This will tell display that this is the end of the message.

14) Press the *CH +* button now 5 more times to exit programming.

15) Unit should now be programmed.

Programming Cont.

Program definitions:

Bonus time settings:

- Amount of time set in bonus time is added to regular time per coin/pulse(e.g. if you want to give 45 seconds for bonus time and your regular time per coin is 30 seconds, you would set bonus time at 00:15)
- Bonus is disabled by setting bonus time to 00:00.
- If bonus time is set to less than one minute, bonus time is added when bonus coin is reached and every coin after that until time expires.
- If bonus time is set at 1:00 or more, bonus will be a "one time" bonus. Bonus time will only be added for bonus coin or multiplies of bonus coin (e.g. 16th coin, 32nd coin, etc). Any other coin will on receive regular time per coin.
- If bonus time is set to 99:00, when bonus coin is deposited, timer will show "-on-" and timer will continue to run until coin switch wire is shorted to ground by a loop detector or other switch closure for a minimum of two seconds.

Debit and credit mode:

- Debit mode: As coins are deposited display shows "$1.75 MORE, $1.50 MORE, $1.25 MORE" etc. until start price is reaches. Once start price is reached display switches to time accumulating until no more coins have been deposited.
- Credit mode: As coins are deposited display shows money accumulating ($.25, $.50, $.75 etc). If timer is also set to delayed start mode timer will continue to show money accumulating until no more coins have been deposited. If timer is set to instant start, as soon as start price is reached, timer will change to time counting down.
- Both mode: As coins are deposited display shows money accumulating ($.25, $.50, $.75 etc). If start price is not reached, after 5 seconds timer will alternate between "add $x.xx more" and amount of money already deposited.

Programming Cont.

Display programming with push button:

- Unit can be programmed using buttons that are located inside display. One is labeled **S2**, which is used to change from item to item. One is labeled **S1** which is used to set desired value. If you hold down **S1** this will cause numbers to decrease. If you repeatedly push **S1** numbers will increase.

- When programming with buttons use same instructions as remote except for the following. Where it says to press **CH +** use **S2** and where it says to use **VOL +** or **–** use **S1**.

Operating Instructions:

- The PLC inside the unit is programmed to allow use of the disinfect function for 1 minute without paying before and after a vend. This function will disable for 5 minutes once the 1 minute use is up.

- Insert payment then select desired function through push buttons on front of unit. When switching functions it will take approximately 10 seconds to clear product out of injector.

- General recommendations for timed use: 2-4 minutes shampoo, 1-2 minutes rinse, 1-2 minutes conditioner, 1-2 minutes rinse, 2-3 minutes flea & tick, 2-3 minutes pet deodorizer, 3-4 minutes blow dryer.

- If other function is selected other than original selected item unit will recalculate timer based on the amount of money it takes to start the specific function.

- Once service is used, hang up hose.

Changing fluids:

Disconnect power. Unscrew cap from empty bottle. Remove empty bottle. Insert new bottle into unit. Insert line into bottle and screw cap onto bottle. Reconnect power.

Maintenance

Hair strainer in bottom of lower tub section

DETAIL G
SCALE 1 / 5

G
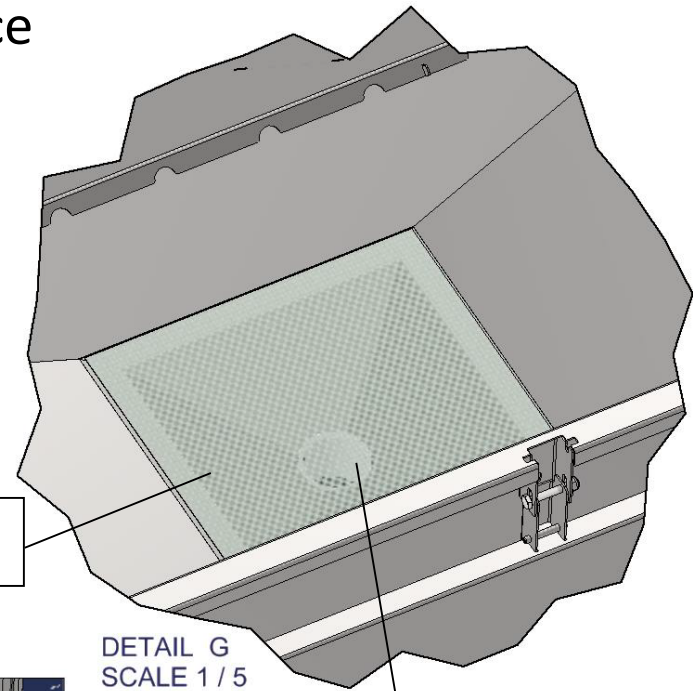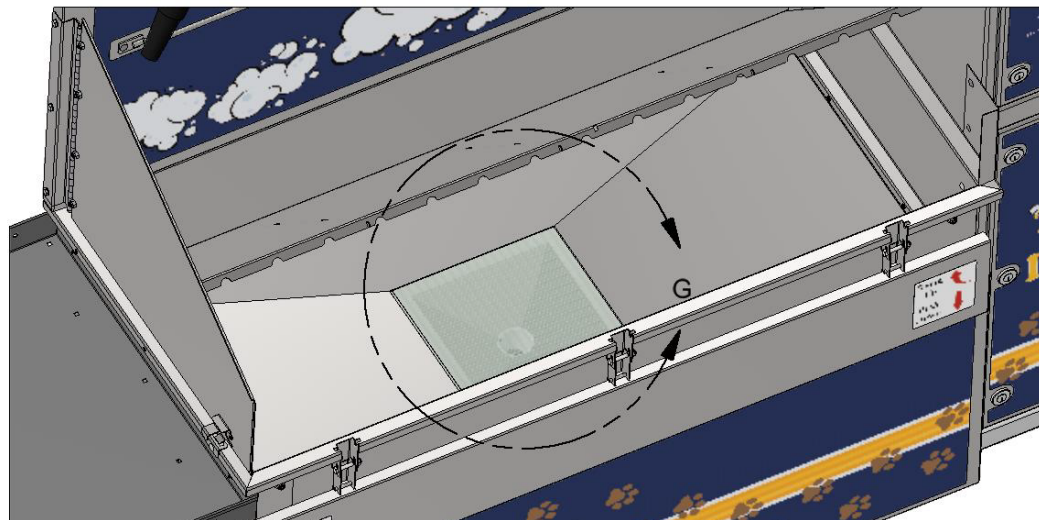
Maintenance: Using screw driver or pliers hook or grab feature on edge of tub floor and lift to tip front edge of floor up. This will be easier to access if front tub door is lowered first. Reach in and remove 12x12 perforated plate and clear of debris. Failure to do this at least weekly could result in overflow of lower tub section.

Wagggin' Tails Wash Zone!

Get Your Tail Wagging, It's Wash Day!

Maintenance

Maintenance:

- **All servicing of machine should be conducted by an authorized service representative!**

- Strainer plate under tub's false bottom needs to be cleaned at least once a week, potentially more often depending on use.

- Injected product will need serviced at least once a week, potentially more often depending on use.

- Periodically inspect wires and connections for wear or fatigue.

- Check blower hose and water lines for leaks or wear on a weekly basis.

- Clean outside of unit with a stainless steel cleaner as needed. Decals can be cleaned with mild soap and water.

- Check motor brushes approx. every 3 months for excessive wear. Motor brushes should be changed if they are shorter than ¼". *Please disconnect power before doing this.*

DISCONNECT POWER BEFORE SERVICING OR TROUBLESHOOTING!

Troubleshooting

Problem	Possible cause	Solution
Unit is not powered.	Breaker inside unit is not in the on position.	Flip breaker on.
	No power to machine.	Check incoming power.
	Loose connection.	Check incoming power connection.
Machine is behaving erratically.	Is the incoming power at 120V?	Check voltage and monitor while machine runs. Low voltage can cause erratic behavior.
	Are any of the machines wires worn through or connections not making contact?	Inspect wiring and connections. Look for sharp bends in wires and places where wire is against the metal chassis.
Unit keeps tripping breaker.	Inadequate wire size ran to machine.	Call electrician and install proper wire size for 20amp service versus length or run.
	Wrong size breaker.	Install correct breaker (only if wire size is adequate to handle 20 amp breaker).
Fuse for blower motor keep blowing.	Inadequate wire size ran to machine.	Call electrician and install proper wire size for 20amp service versus length or run.
	Motor brushes may be bad or too short.	Replace motor brushes.

Troubleshooting Cont.

	~~Motor brushes may be bad or too short~~	~~Replace motor brushes.~~
Unit won't draw liquid from product container	Correct function switch selected	verifty correct product switch selected
	Strainer is in bottom of container and not sucking air	Refil product container
	water pressure below 35 psi or no hot water source	Check incoming water pressure and temperature (mixing valve will work to achieve proper temperature by limiting flow of cold water)
	air leak between product suction lines and injector	Check all 6 suction lines and hose between solenoid bank and injector
	Suction line for product is plugged	Inspect or replace suction line/strainer
	Lower chamber cap plugs/mounting hole covers have popped out?	Open lower chamber and inspect plugs, order new if needed.
	Cleanout door gaskets torn or worn?	Replace gaskets.
	One of the vac motors is not working?	Check line motor fuse and replace. Replace motor if necessary.
Blower stays on after switching functions	Power relays stuck closed	If turning off power is only way to stop blower most likely blower power relays are welded closed. Turn off power and replace.
	Function switch is stuck closed	If blower light on switch remains on after selecting different function replace blower function switch. This could apply to any function switch that remains on.
	Chuck washer is worn out?	Replace rubber washer inside chuck with JE Adams PN 8533-3CW.
	Temperature is below freezing and condensation off compressor has froze in air hose.	Remove air hose and chuck and bring into warm area to thaw. Optional air dry systems are available through JE Adams if frequent problem- please call.
Blower won't start	Fuse blown	Check fuse and replace if necessary
	Bad blower motor	If fuse ok, check for 120v to blower, if power at motor, turn off power and replace blower motor

BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION	QTY
1	801-10A	DOG WASH TUB ASY	1
2	801-18	DW, FRONT WATER GUARD	1
3	801-23LA	DW, TUB DOOR ASY, LEFT	1
4	801-33D	DECAL, DW, BACK WALL	1
5	801-33W	DW, BACK SPLASH WLDMNT	1
6	801-39	DW, BLOWER HOSE HANGER	1
7	801-40A	DOG WASH TUB, STAIRS ASY	1
8	801-41W	DW, WLDMNT, TETHER CROSS BAR	1
9	801-43L	DW, BACK WALL SUPPORT, LEFT	1
10	801-59	DW, BRACKET, GROUND ANCHOR	2
11	801-60A	DW CABINET ASSEMBLY	1
12	801-101	DW SPRAY NOZZLE	1
13	801-102	DW, 22' LANYARD	1
14	801-105	DW, WATER NOZZLE HANGER	1
15	2038 DW	HOSE, 1.5" X 6' BLACK VACUUM	1
16	2058-5DW	DOG WASH 1.5" NOZZLE, HEAVY	1
17	5601D6	1/4-20 x 1/2 HHCS-SS	1
18	5601D15	BOLT, 1/4-20 x 1.75, HH, HD, SS	4
19	5603D2	1/4-20 NYLOCK NUT, SS	6
20	5603D21	NUT, 1/4-20, SS, SERATED FLG	8
21	5606D27	5/16 WASHER, SS	15
22	5635D1	BOLT, 1/4-20 x .50, CH, SS	9

FOR RAMP VERSION SEE
DRAWING 801-1LA-RMP

REV	NO.	DESCRIPTION	DATE	BY
-	9317	RELEASED	05/16/25	mws

THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES

TITLE: DW, TOP LEVEL ASY, LEFT, STAIRS

CEDAR RAPIDS, IOWA

UNSPECIFIED TOLERANCES
1 PL ±.030
2 PL ±.020
3 PL ±.003
ANGLE ±1°

MATERIAL

DRAWN BY: mws
DATE: 8/19/2024

SCALE: .06
SHEET: 1 / 4
PART NO: 801-1LA-STR
REV: -

J.E. ADAMS INDUSTRIES, LTD

BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION	QTY
1	801-10A	DOG WASH TUB ASY	1
2	801-18	DW, FRONT WATER GUARD	1
3	801-23LA	DW, TUB DOOR ASY, LEFT	1
4	801-33D	DECAL, DW, BACK WALL	1
5	801-33W	DW, BACK SPLASH WLDMNT	1
6	801-39	DW, BLOWER HOSE HANGER	1
7	801-40A-1	DOG WASH TUB, RAMP ASY	1
8	801-41W	DW, WLDMNT, TETHER CROSS BAR	1
9	801-43L	DW, BACK WALL SUPPORT, LEFT	1
10	801-59	DW, BRACKET, GROUND ANCHOR	2
11	801-60A	DW CABINET ASSEMBLY	1
12	801-101	DW SPRAY NOZZLE	1
13	801-102	DW, 22' LANYARD	1
14	801-105	DW, WATER NOZZLE HANGER	1
15	2038 DW	HOSE, 1.5" X 6' BLACK VACUUM	1
16	2058-5DW	DOG WASH 1.5" NOZZLE, HEAVY	1
17	5601D6	1/4-20 x 1/2 HHCS-SS	1
18	5601D15	BOLT, 1/4-20 x 1.75, HH, HD, SS	4
19	5603D2	1/4-20 NYLOCK NUT, SS	6
20	5603D21	NUT, 1/4-20, SS, SERATED FLG	8
21	5606D27	5/16 WASHER, SS	15
22	5635D1	BOLT, 1/4-20 x .50, CH, SS	9

FOR STAIR VERSION SEE
DRAWING 801-1LA-STR

-	9317	RELEASED	05/16/25	mws
REV	NO.	DESCRIPTION	DATE	BY

THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION THEREIN BE USED BY OR DISCLOSED TO OTHERS EXCEPT AS AUTHORIZED BY J.E. ADAMS INDUSTRIES
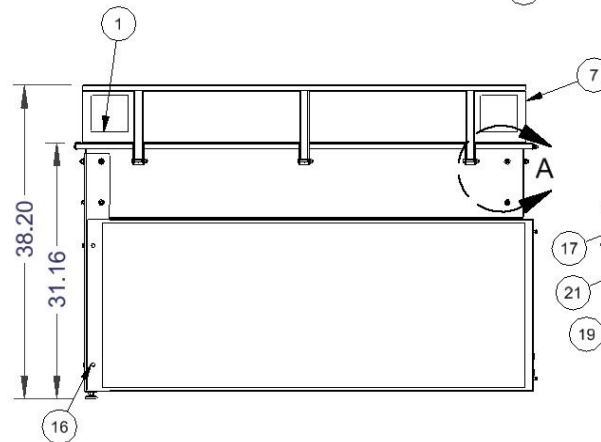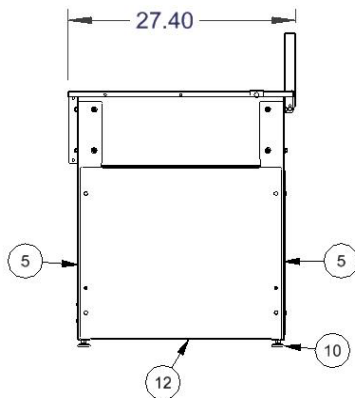
TITLE
DW, TOP LEVEL ASY, LEFT, RAMP

UNSPECIFIED TOLERANCES
1 PL ± .030
2 PL ± .020
3 PL ± .003
ANGLE ± 1°

MATERIAL

DRAWN BY mws
DATE 8/19/2024
SCALE .06
SHEET 1 / 4

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

PART NO 801-1LA-RMP
REV. -
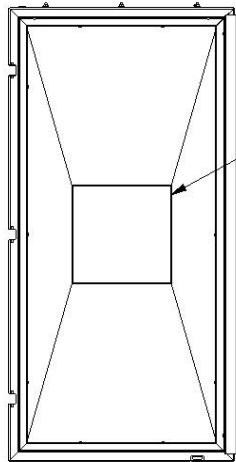
VIEW SHOWN WITHOUT FLOOR IN PLACE (ITEM 5)
SCALE .05

(27.20)

(55.20)
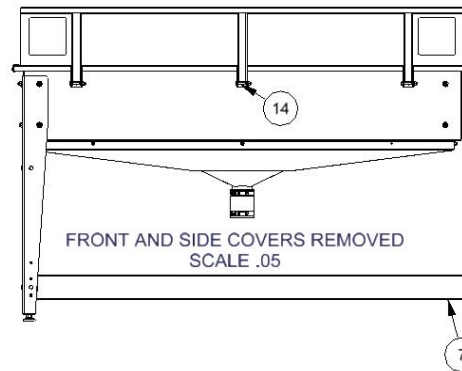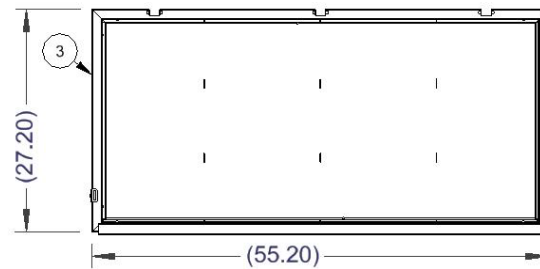
FRONT AND SIDE COVERS REMOVED
SCALE .05

27.40

38.20

31.16

DETAIL A
SCALE 0.12 : 1
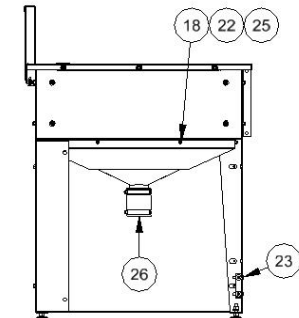
		BILL OF MATERIALS		
ITEM	PART NUMBER	DESCRIPTION	QTY	
1	801-10D	DECAL, DW, SWING UP DOOR INSTR	2	
2	801-10DD	DECAL, DW, SWING DOWN DOOR INSTR	2	
3	801-10W	DW, MAIN TUB WLDMNT	1	
4	801-15	DOG WASH TUB STRAINER	1	
5	801-16W	DOG WASH TUB LEG WELDMENT	2	
6	801-19W	DW TUB BOLT BAR WLDMNT	1	
7	801-20W	DOG WASH FRONT DOOR WELDMENT	1	
8	801-21W-P	DW, TUB FLOOR PAINTED	1	
9	801-23-5	DW, SIDE DOOR CATCH	1	
10	801-24A	LEVELING FEET, 3/8", 6 PACK	2	
11	801-30	DOG WASH LEG SUPPORT, LONG	1	
12	801-31	DOG WASH LEG END COVER	1	
13	801-38D	DECAL, DW, LOWER FRONT PANEL	1	
14	801-38W	WLDMNT DW LEG FRONT COVER	1	
15	801-100W-56	DW, LOWER WATER TROUGH	1	
16	5601D10	1/4-20 x 3/8 HHCS-SS	6	
17	5601D15	BOLT, 1/4-20 x 1.75, HH, HD, SS	3	
18	5603D1	NUT #10-24, NYLOCK, SS	9	
19	5603D2	1/4-20 NYLOCK NUT, SS	19	
20	5603D21	NUT, 1/4-20, SS, SERATED FLG	6	
21	5606D27	5/16 WASHER, SS	29	
22	5606D29	WASHER, FLAT #10 STD, SS	9	
23	5635D1	BOLT, 1/4-20 x .50, CH, SS	14	
24	5635D4	BOLT, 1/4-20 X .75, CH, SS	5	
25	5636D1	SCREW, #10-24 X .50, PH, PD, SS	9	
26	35000-400-32	COUPLING, RUBBER, 2" PIPE	1	
32	5601D4	1/4-20 x 3/4 HHCS-SS	2	

REV	NO.	DESCRIPTION	DATE	BY
-	9317	RELEASED	05/16/25	mws

TITLE: **DOG WASH TUB ASY**

CEDAR RAPIDS, IOWA

J.E. ADAMS INDUSTRIES, LTD

UNSPECIFIED TOLERANCES
1 PL ± .030
2 PL ± .020
3 PL ± .003
ANGLE ± 1°

MATERIAL

DRAWN BY: mws
DATE: 8/8/2024

SCALE .05 | SHEET 1 / 1 | PART NO 801-10A | REV -

BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION	QTY
1	801-35-1WP	DW, STAIR WELDMENT, PAINTED	1
2	801-35-3	DW, RAMP SIDE SUPPORT	0
3	801-35P	DOG WASH ANGLED RAMP, PAINTED	0
4	801-36W-P	DW, WLDMNT, FLAT RAMP, PAINTED	1
5	801-37W	DW, RAMP ANGLE BRACE WELDED	2
6	5601D4	1/4-20 x 3/4 HHCS-SS	3
8	5603D2	1/4-20 NYLOCK NUT, SS	5
9	5606D27	5/16 WASHER, SS	8
10	5635D1	BOLT, 1/4-20 x .50, CH, SS	2
18	5601D6	1/4-20 x 1/2 HHCS-SS	2

VIEW SHOWING STAIRS CONNECTING AT END
OF TUB. THE SAME PARTS ARE USED TO
MOUNT PLATFORM AND STAIRS TO COME
OUT SIDE OF TUB VS. END. SAME APPLIES
FOR RIGHT HAND ORIENTED DOG WASH.

-	9317	RELEASED		05/16/25	mws	
REV	NO.	DESCRIPTION		DATE	BY	

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TITLE: DOG WASH TUB, STAIRS ASY

CEDAR RAPIDS, IOWA

J.E. ADAMS INDUSTRIES, LTD

UNSPECIFIED TOLERANCES
1 PL ±.030
2 PL ±.020
3 PL ±.003
ANGLE ± 1°

MATERIAL
DRAWN BY: mws
DATE: 8/15/2024
SCALE: .08
SHEET: 1 / 1
PART NO: 801-40A
REV: -

PART NO. 801-40A-1

NOTES:
1. ASSEMBLE BOTH ITEM 1'S TO RAMP. ALL OTHER HARDWARE BAG AND SHIP FOR ASSEMBLY ON SITE.
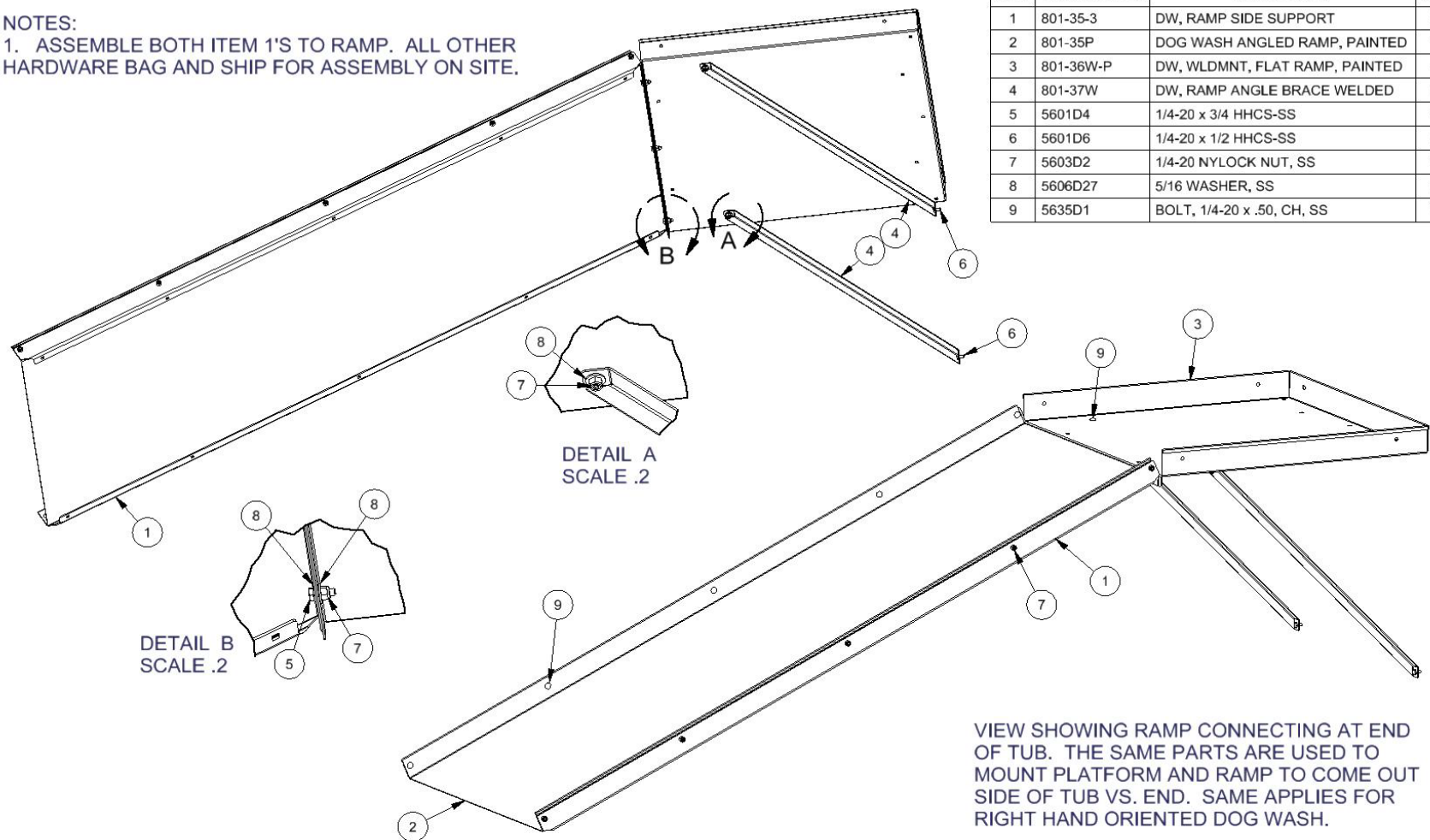
ITEM	PART NUMBER	DESCRIPTION	QTY
1	801-35-3	DW, RAMP SIDE SUPPORT	2
2	801-35P	DOG WASH ANGLED RAMP, PAINTED	1
3	801-36W-P	DW, WLDMNT, FLAT RAMP, PAINTED	1
4	801-37W	DW, RAMP ANGLE BRACE WELDED	2
5	5601D4	1/4-20 x 3/4 HHCS-SS	3
6	5601D6	1/4-20 x 1/2 HHCS-SS	2
7	5603D2	1/4-20 NYLOCK NUT, SS	15
8	5606D27	5/16 WASHER, SS	8
9	5635D1	BOLT, 1/4-20 x .50, CH, SS	12

BILL OF MATERIALS

DETAIL A
SCALE .2

DETAIL B
SCALE .2

VIEW SHOWING RAMP CONNECTING AT END OF TUB. THE SAME PARTS ARE USED TO MOUNT PLATFORM AND RAMP TO COME OUT SIDE OF TUB VS. END. SAME APPLIES FOR RIGHT HAND ORIENTED DOG WASH.

TITLE: DOG WASH TUB, RAMP ASY

CEDAR RAPIDS, IOWA
J.E. ADAMS INDUSTRIES, LTD

UNSPECIFIED TOLERANCES
1 PL ±.030
2 PL ±.020
3 PL ±.003
ANGLE ±1°

MATERIAL

DRAWN BY: mws
DATE: 8/15/2024

SCALE .08
SHEET 1 / 1
PART NO: 801-40A-1
REV.

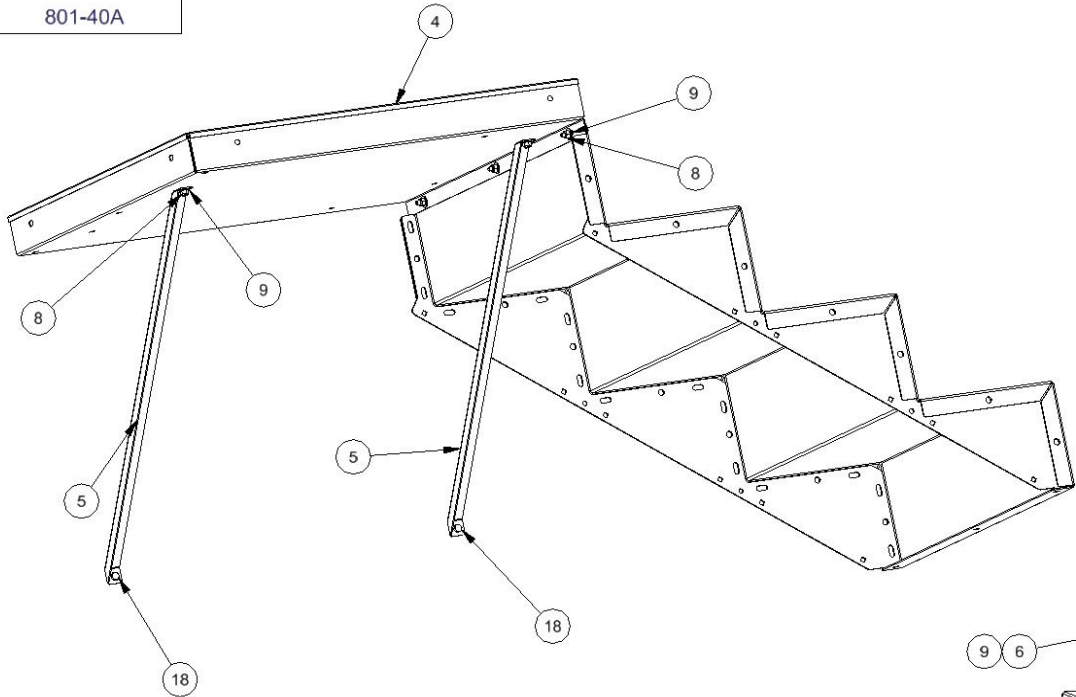| -	9317	RELEASED	05/16/25	mws
REV	NO.	DESCRIPTION	DATE	BY

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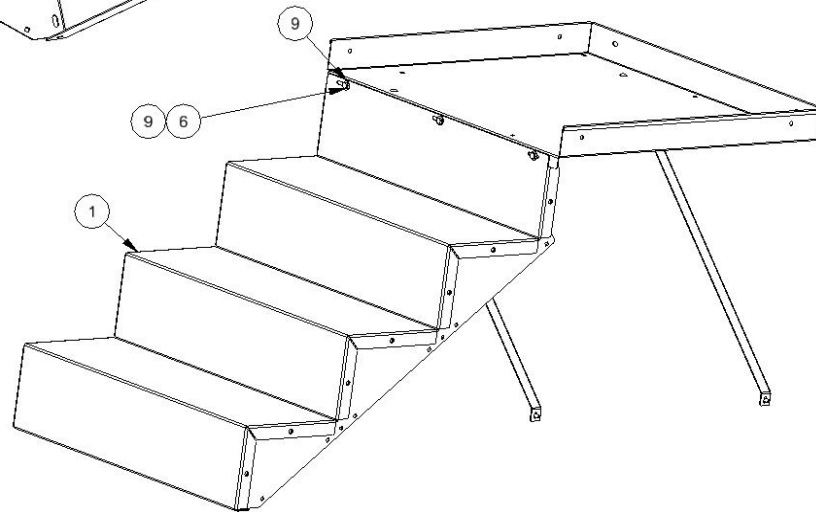
Rev 6-16-25

PART NO. S801-1

LED9 DISPLAY
1 2 3 4 5 6 7 8 9 10 11 12

PLUG INTO DISPLAY CONNECTOR

TO CN3 DI 1

D12 YELLOW (24VAC TIMED LOAD)
D11 GREY (FUNCTION INPUT)
D10 VIOLET (FUNCTION INPUT)
D9 BROWN (FUNCTION INPUT)
D8 WHITE (COUNT UP)
D7 ORANGE/WHITE (24VAC +)
D6 BLUE (24VAC COM)
D5 RED (HORN POS. 12VDC)
D4 GREEN (HORN NEG.)
D3 RED/BLACK (+12VDC OUT)
D2 BLACK (COIN SWITCH)
D1 BLUE/WHITE (COIN COM)

12VDC
+ HORN
− 12VDC

T6
T7

BILL ACCEPTOR

BROWN SIGNAL (-)
ORANGE SIGNAL (+)
YELLOW 24VAC (+)
BLUE 24VAC (-)

CMXXX
9500-56L-24V

COIN MECH
RED SIGNAL (-)
BLUE SIGNAL (+)
YELLOW 24VAC (HOT)
BLACK 24VAC (COM)
CMXXXX

SOLENOIDS

SHAMPOO 1
SHAMPOO 2
CONDITIONER
DEODERIZE
FLEA TICK
DISINFECT

CN15, DO 10
CN15, DO 11
CN15, DO 9
CN7, DO 6
CN7, DO 7
CN7, DO 5

INJECTOR
RINSE

CN8, DO 4
CN8, DO 3

24VAC (COM) BLUE, (SUPPLIED)
24VAC (HOT) YLW, (SUPPLIED)

TRANSFORMER

WHITE NEUTRAL (SUPPLIED)
BLACK 120V (SUPPLIED)

YELLOW, +24VAC
BLUE, -24VAC

T4 (120V N)

LOW SPEED BLOWER
CN9, DO 1

HIGH SPEED BLOWER
CN9, DO 2

Terminal Block Jumpers
T1,T2 : 120 Hot
T3, T4 : 120 Neut
T5-T7 : 24V +
T8-T10 : 24V-

T10 T9 T8 T7 T6 T5 T4 T3 T2 T1

T_

BREAKER 30A
B2
B1

120VAC (N) WHITE
120VAC (L) BLACK

DEODORIZE
CN7, DO 6
CN4, DI 7

OFF
CN12, DI 12
CN14, DO 12

FLEA TICK
CN7, DO 7
CN4, DI 8

RINSE
CN8, DI 3
CN4, DO 3

BLOW LOW
CN9, DO 1
CN12, DI 10

SHAMPOO 1
CN4, DI 4
CN15, DO 10

BLOW HIGH
CN9, DO 2
CN12, DI 11

SHAMPOO 2
CN4, DI 5
CN15, DO 11

CONDITIONER
CN4, DI 6
CN15, DO 9

DISINFECT
CN7, DO 5
CN12, DI 9

PLC M172

DO 7
DO 6
DO 5
C 567
CN7

DO 4
DO 3
C 34
CN8

DO 2
DO 1
CN9

V ac
dc + -
CN10

C 12
DO 12-
CN14

DO 11
DO 10
DO 9
C910 11
CN15

COM DI
DI 1
DI 2
CN3

COM DI
DI 3
DI 4
DI 5
DI 6
DI 7
DI 8
CN4

COM DI
DI 9
DI 10
DI 11
DI 12
CN12

AI 9
AI 10
AI 11
AI 12
GND
5VDC
24VDC
CN13

14GA GREEN
120VAC (G) GREEN
GND

GND IN CABINET NEAR BLOWER MTR
GND IN CONTROL BOX
INCOMING POWER

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PART NO. S801-1

J.E. ADAMS INDUSTRIES, LTD
CEDAR RAPIDS, IOWA

UNSPECIFIED TOLERANCES

TITLE: DOG WASH SCHEMATIC

DRAWN BY: MWS
DATE: 12-2024
SCALE: −
REL. FOR PROD.: −

MATERIAL: −
PART NO.: S801-1
REV. LEVEL: −

REV	NO.	DESCRIPTION	DATE	BY
−	9317	RELEASED	5/16/25	MWS

29

Rev 6-16-25