

# **ICE MASTER® T-SERIES**

## OWNER'S MANUAL



### **Product Codes:**

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| IMT250E   | IMT300E   | IMT500E   | IMT800E   | IMT995E   |
| IMT250ESC | IMT300ESC | IMT500ESC | IMT800ESC | IMT995ESC |
| IMT250G   | IMT300G   | IMT500G   | IMT800G   | IMT995G   |
| IMT250GSC | IMT300GSC | IMT500GSC | IMT800GSC | IMT995GSC |

Version 1.9

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# ***INTRODUCTION***

Congratulations! You now own a Camion™ sprayer. Durable design and construction assure you a lifetime of extreme performance. No sprayer is tougher. No sprayer will last longer.

Take a look through this owner's manual to learn how the pros use their Camion™ sprayer.



**Watch Instruction Videos:**

[www.youtube.com](http://www.youtube.com)

**Discover More Helpful Tips:**

[www.IceControlTraining.com](http://www.IceControlTraining.com)

## **WARNINGS**

1. Do not exceed vehicle manufacturers loading, towing or lifting specifications and regulations.
2. Ensure tank is firmly secured in an appropriate manner.
3. Use caution at all times, particularly when driving on rough terrain.
4. Comply with chemical manufacturers safety requirements and all relevant legislations.
5. ALWAYS keep tank tightly covered, to prevent children or animals from entering tank.
6. Tank is not fire resistant. NEVER expose it to open flame or heat.
7. Keep sharp objects from tank. Tank could be punctured and contents could escape and cause injury to persons or property.
8. This tank can be used only with polyethylene compatible liquids. If you are uncertain, ask chemical supplier if material can safely be stored in a polyethylene tank.  
USE OF TANK WITH ANY OTHER MATERIAL COULD CAUSE TANK TO FAIL, RESULTING IN INJURY OR PROPERTY DAMAGE.
9. DO NOT MIX CHEMICALS. THIS CAN RESULT IN DAMAGE TO THE TANK OR NEARBY PERSONS OR PROPERTY.
10. Clean out tank before changing chemicals OTHERWISE A DANGEROUS MIXTURE OF CHEMICALS COULD CAUSE DAMAGE TO PERSONS, TANK OR PROPERTY.
11. Regular service and maintenance is the Owner's responsibility and is a condition of your warranty.
12. FAILURE TO COMPLY WITH ALL WARNINGS AND INSTALLATION INSTRUCTIONS WILL VOID WARRANTY.

13. No modifications and/or alterations may be made to this sprayer. Any such modifications not only void the sprayer warranty but can make the unit dangerous to anyone operating the pump.
14. Always inspect hoses and piping to avoid burst injuries.
15. DO NOT turn suction valve off while pump is running.  
NEVER RUN PUMP DRY.

## ***COMPATIBLE LIQUIDS***

Calcium Chloride Brine, Salt Brine and Premium Branded Liquids.

**⚠ Caution:** Brine that contain tacky substances or solid particles may clog pumps and nozzles. These are not recommended.

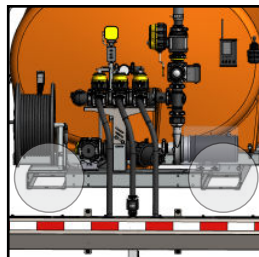
**⚠ Warning:** DO NOT USE any products that contain petroleum or petroleum by-products of any kind. These destroy seals and will void warranty.

**Discover More Helpful Tips:**  
[www.IceControlTraining.com](http://www.IceControlTraining.com)

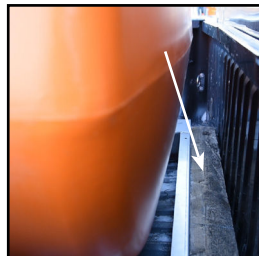
## GETTING STARTED

# Setting Up Your Sprayer

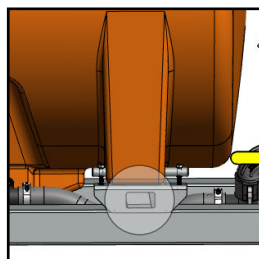
**1)** The two openings at the front of the frame allow you to move the unit using fork points.



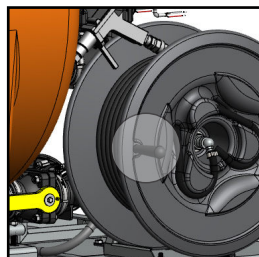
**2)** When loading your sprayer, we recommend you place blocking between your sprayer and the front of the bed of your truck.



**3)** On the Ice Master® T-Series, there are tie-down points on the side of the frame that allow you to strap the unit down.



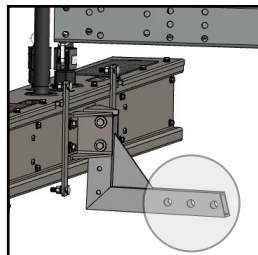
**4)** Screw the hose reel handle into place.



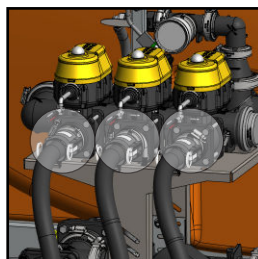
**GETTING STARTED**

## Setting Up Your Sprayer

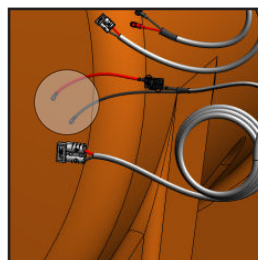
**5)** Insert the receiver bracket into the truck receiver hitch and secure with lock pin.



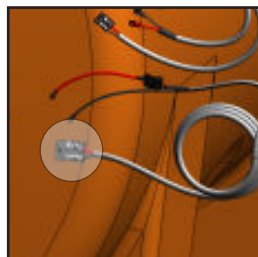
**6)** Take the three hoses from the boom and connect them to the control valves using the camlock system.



**7)** If you purchased a unit with our high flow electric Ecomax® pump option, you will need to hook up the ring terminals on the wire harness to your battery and route the wire harness back to the electric motor.



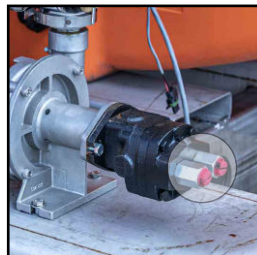
**8)** Plug in the gray connector from wire harness to the matching gray connector on wire harness coming off motor.



## **GETTING STARTED**

### **Setting Up Your Sprayer**

**9)** If you purchased a hydraulic unit, hook up your desired hydraulic hoses to the side ports on the hydraulic pump. This pump requires 13 GPM oil flow.



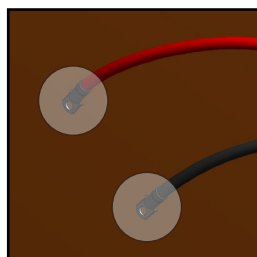
**10)** If you have a gas powered unit, fill the fuel tank on the engine with regular gasoline.



**11)** If you have a gas powered unit you will also need to remove the oil cap and fill the engine with 0.61 US quarts of 10W-30 engine oil.



**12)** If you have a gas powered unit, you will need to install a battery into the provided battery box and connect your positive and negative cables to the correct terminals.

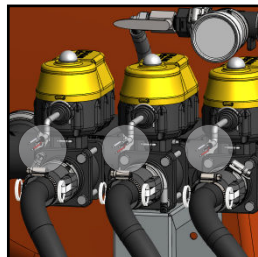




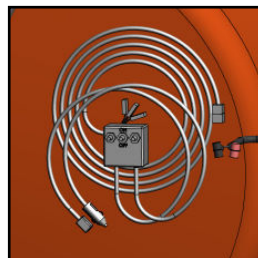
**GETTING STARTED**

## Hooking Up Standard Controls

**1)** If your applicator does not have a GPS flow control option, you will need to connect the standard control wire harness to the 3 electric valves that will control your left, center, and right boom sections.



**2)** Then, connect the in cab control box to the 12V power outlet in your cab.



## **GETTING STARTED**

### **Hooking Up GPS Flow Control**

**1)** Hook up Storm Commander® control box arm to back of controller and install controller mount into the cupholder of the vehicle cab.



**2)** Plug in your 12v outlet plug in vehicle cab to power up your Storm Commander®.



**3)** To power up the receiver box at the back of unit, plug the power cable into the 7 pin plug on back of truck.

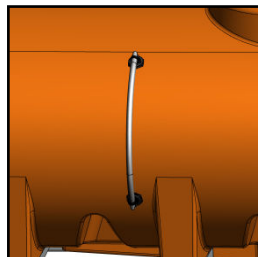


Refer to the Storm Commander® wireless controller  
“Getting Started” instructions.

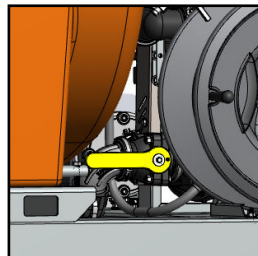
**GETTING STARTED**

## Operating Your Sprayer

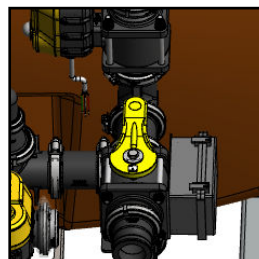
**1)** You will need to prime the pump before using it. Start by filling the tank at least a quarter full of water.



**2)** Then open the suction valve between the tank and the pump.



**3)** Place the 3-way valve in recirculation position to allow liquid to recirculate back to the tank. If your applicator is GPS flow controlled, you will need to manually open the electric flow control valve using your Storm Commander® controller (refer to your Storm Commander® “Operating” instructions).

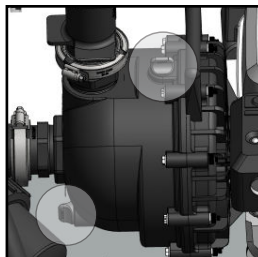
**Important Tip:**

If you have the unit with the hydraulic pump, it will prime automatically.

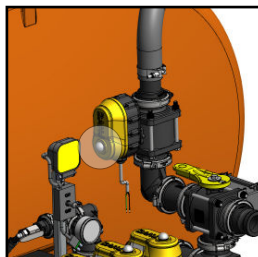
## GETTING STARTED

### Operating Your Sprayer

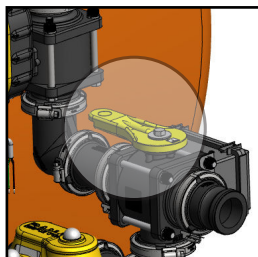
**4)** If your applicator has the gas engine driven pump, open the top cap of the pump, and fill the pump with water. Before starting the engine make sure both the drain plug and prime plug are tightened securely to properly hold the sealing O-rings in place.



**5)** If your applicator has the gas engine driven pump, start the engine, and increase the RPM's, and check that water is recirculating back to the tank. Your pump should now be primed.

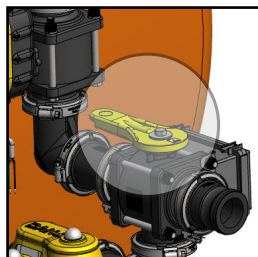


**6)** If your applicator has the high flow electric Ecomax® pump, power it on and close the 3-way valve on top of your pump for approximately 20 secs to build pressure. Then slowly re-open the valve and the pump should prime. If it does not prime, check that your tank is at least 1/4 full and repeat this step.



**7)** Once the pump is primed, make sure your 3-way valve is in the correct operating position.

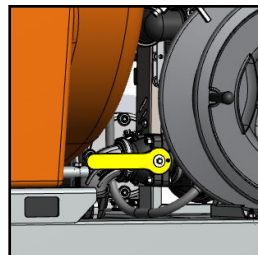
- a. GPS flow controlled - open position (picture shown in recirculation position).
- b. Non-GPS - closed position.



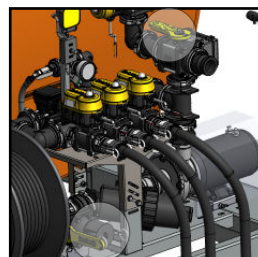
**GETTING STARTED**

## Operating Your Sprayer

**8)** To fill the applicator, close the suction valve between the tank and the pump (picture shown in open position).



**9)** Make sure the 3-way valve on top of pump is in recirculation position, then connect storage source hose to your applicator and open the external fill valve.

**Important Tip:**

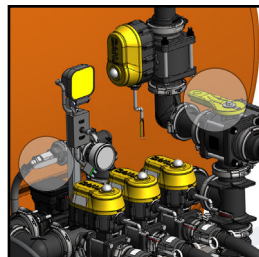
When filling from an external source with an electric pump, make sure the liquid level in your storage reservoir is level to (or higher than) your pump.

**10)** If your applicator has the Storm Commander® GPS flow control option, you will need to open the electric flow control valve from your in-cab controller. (Ref. the Storm Commander® “Getting Started” instructions.)

## GETTING STARTED

### Operating Hand Gun

1) To use the spray gun, ensure the 3-way valve on top of pump is in closed position and hose reel shutoff valve is in the open position (3-way valve shown in recirculation position).

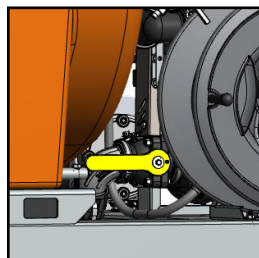


#### Important Tip:

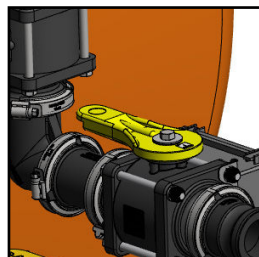
If you are using your hand wand for extended periods of time, it is best to leave the 3-way valve, on top of pump, slightly open to allow liquid to recirculate through the pump even when the hand gun is not in use.

### Pumping Liquid out of Applicator

1) To drain your tank using the pump on the applicator, hook up hose from storage to the discharge port on the top of your pump and open the suction valve.



2) Power applicator pump on and move the 3-way valve on top of pump in the discharge position (picture shown in recirculation position).



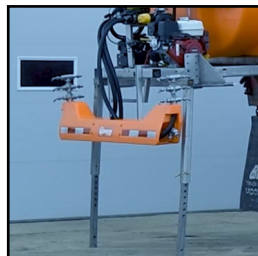
**GETTING STARTED**

## Operating Your Sprayer

**14)** If you purchased the optional storage stand, you can attach the legs with the supplied pins.



**15)** If you purchased the optional self-loading leg stand, adjust legs to desired height.



# CALIBRATING

**Note:** Always double check your application rates.  
The rate/acre listed is only based off the center section  
(not the two side nozzles)

| NOZZLE<br>COLOR    | PSI | CAPACITY<br>ONE<br>NOZZLE IN<br>GPM |      |      |      | 4<br>MPH | 6<br>MPH | 8<br>MPH | 10<br>MPH |
|--------------------|-----|-------------------------------------|------|------|------|----------|----------|----------|-----------|
|                    |     | 0.75                                | 1.06 | 1.30 | 1.50 |          |          |          |           |
| Stainless<br>Steel | 10  | 0.75                                | 1.06 | 1.30 | 1.50 | 74       | 49       | 37       | 29        |
|                    | 20  | 1.06                                | 1.30 | 1.50 | 1.73 | 105      | 70       | 52       | 42        |
|                    | 30  | 1.30                                | 1.50 | 1.73 | 2.00 | 129      | 86       | 64       | 51        |
|                    | 40  | 1.50                                | 1.73 | 2.00 | 2.22 | 148      | 99       | 74       | 59        |
| Black              | 15  | 1.22                                | 1.41 | 1.73 | 2.00 | 90       | 60       | 45       | 36        |
|                    | 20  | 1.41                                | 1.73 | 2.00 | 2.22 | 105      | 70       | 52       | 42        |
|                    | 30  | 1.73                                | 2.00 | 2.22 | 2.44 | 128      | 86       | 64       | 51        |
|                    | 40  | 2.00                                | 2.22 | 2.44 | 2.66 | 148      | 99       | 74       | 59        |



**GPM** = Gallons Per Minute

**GPA** = Gallons Per Acre

**GAL/1000 FT** = Gallons Per 1000 Square Feet

**W** = Nozzle spacing

### **Gallons Per Minute Formula:**

$$\frac{\text{GPA} \times \text{MPH} \times \text{W (per nozzle)}}{5,940}$$

### **Gallons Per Minute Formula:**

$$\frac{\text{GAL/1000FT} \times \text{MPH} \times \text{W (per nozzle)}}{136}$$

### **Gallons Per Acre Formula:**

$$\frac{5,940 \times \text{GPM (per nozzle)}}{\text{MPH} \times \text{W}}$$

### **Gallons Per 1000 Square Feet:**

$$\frac{136 \times \text{GPM (per nozzle)}}{\text{MPH} \times \text{W}}$$

### **Convert Acres to Lane Mile:**

$$1.4545 = 1 \text{ Lane Mile}$$

**Note:** For video instructions on how to calibrate a boom visit  
<http://bit.ly/IMS-boom-calibration>

# ***MAINTAINING***

Keeping your sprayer in good condition will help you lengthen the life of the sprayer. Everyone knows a well maintained piece of equipment ensures a longer life span. Sprayer maintenance can seem a huge task if you don't have the right tools.



**Watch Instruction Videos:**

[www.youtube.com](http://www.youtube.com)

**Discover More Helpful Tips:**

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# ***TROUBLESHOOTING***

| <b>CONDITION</b>                                     | <b>CAUSE</b>                                                                                                                         | <b>REMEDY</b>                                                                                                                                                                                                            |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pump will not prime                                  | 1) Air leak on suction plumbing<br>2) Blocked/Restricted intake hose<br>3) Filter cap disengaged<br>3) Filter gasket damaged/missing | 1) Tighten/replace fittings & hose clamps. Verify suction hoses are in good condition<br>2) Remove blockage from suction line, ensure line is not kinked<br>3) Lock filter cap into position<br>4) Replace filter gasket |
| Pressure drops/ fluctuates during standard operation | 1) Restriction on suction line<br>2) Pump sucking air<br>3) Plugged filter<br>4) Damaged regulator                                   | 1) Inspect tank and suction lines and remove restriction<br>2) Tighten fittings<br>3) Remove and clean filter mesh and housing<br>4) Remove regulator stem and inspect for broken parts/pieces                           |

| CONDITION                      | CAUSE                                                                                        | REMEDY                                                                                                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pressure gauge not registering | 1) Plugged with debris                                                                       | 1) Un-thread, check and clean pressure gauge                                                                                                                            |
| Hand gun loses pressure        | 1) Debris in hose or nozzle<br>2) Pump losing prime<br>3) Pump pressure dropping/fluctuating | 1) Un-thread nozzle tip and clean<br>2) See Remedy for 'Pump will not prime or loses prime'<br>3) See Remedy for 'Pressure drops/ fluctuates during standard operation' |



**Watch Instruction Videos:**

[www.youtube.com](http://www.youtube.com)

**Discover More Helpful Tips:**

[www.IceControlTraining.com](http://www.IceControlTraining.com)

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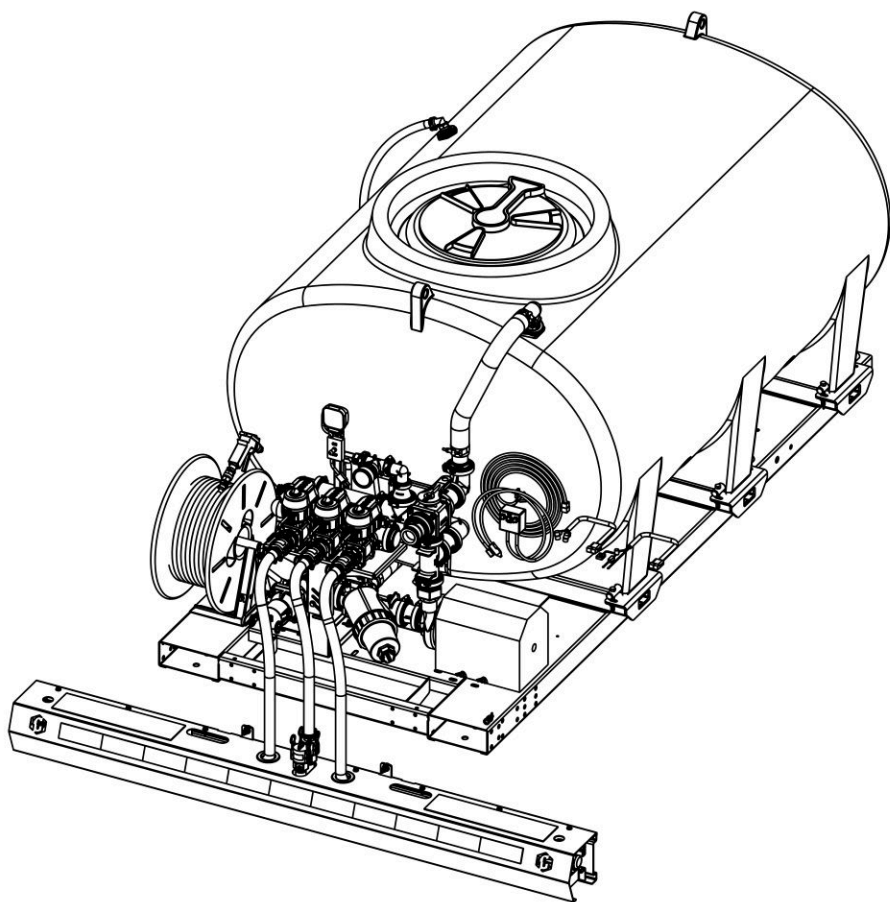
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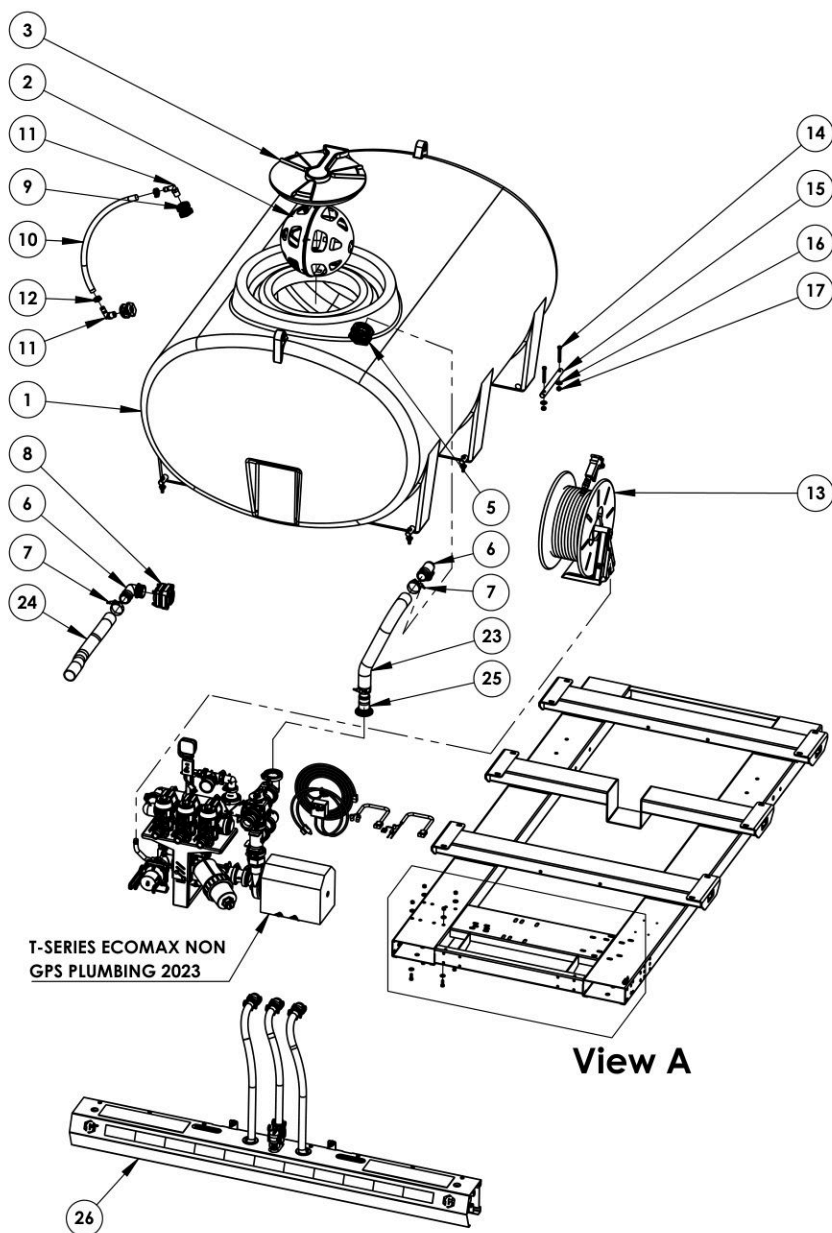
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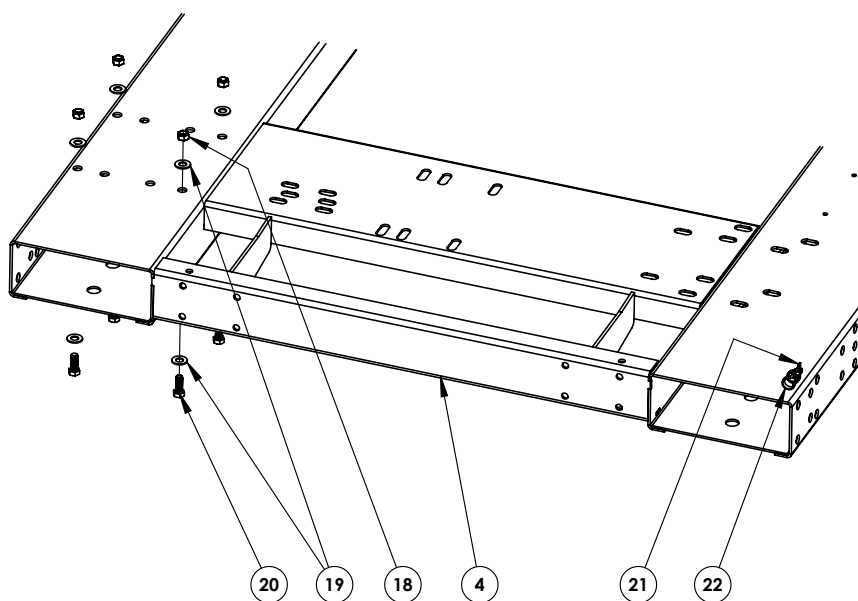
**IMT500-ECOMAX NON GPS 2023**

# OVERVIEW



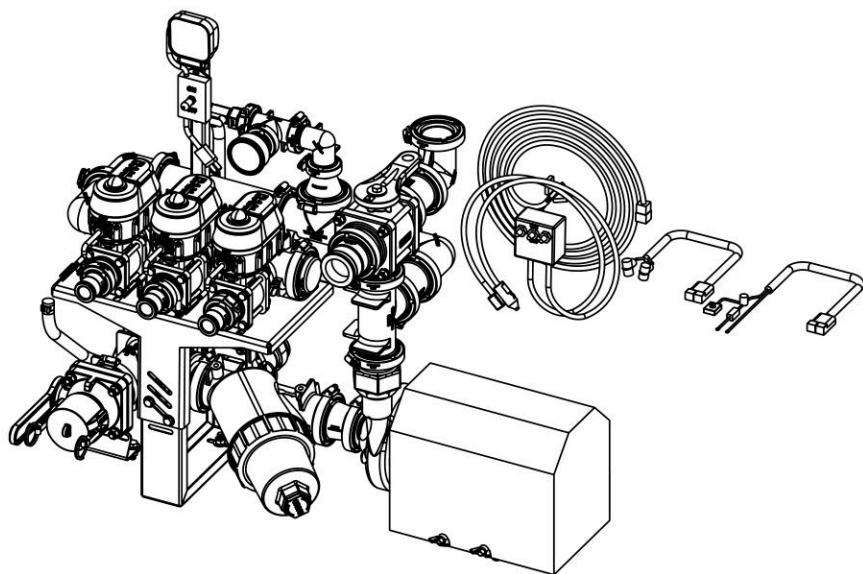


# VIEW A



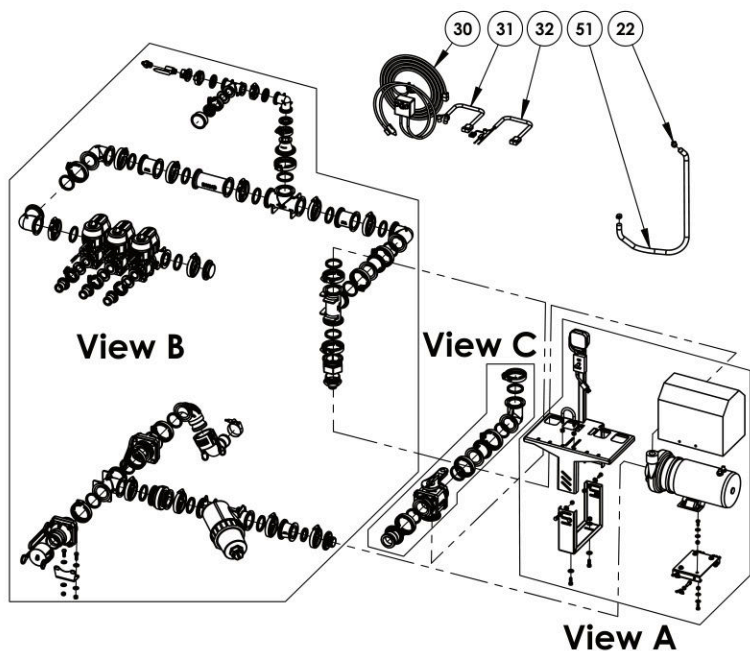
# PARTS LIST

| ITEM NO. | Part #        | DESCRIPTION                                        | QTY. |
|----------|---------------|----------------------------------------------------|------|
| 1        | THD00500OE-NF | 500 Gal Sump Bot Tank                              | 1    |
| 2        | AVB355        | STBBS35 Lg Baffle Ball                             | 46   |
| 3        | CFLP16HV      | 16 inch Hypro Lid Hinged                           | 1    |
| 4        | AZFPM0500SS   | 500 Gallon Pro Master™ Frame - 304 Stainless Steel | 1    |
| 5        | CBTF200       | 2 Poly Tank Flange Assembly                        | 1    |
| 6        | CBHB20090     | 2" Male Thread x 2" Hose Shank 90                  | 2    |
| 7        | CBTC231       | 2" T-Bolt Hose Clamp 2.31 MIN                      | 3    |
| 8        | CBBF235       | 2" Bolted Tank Flange                              | 1    |
| 9        | CBTF075       | 3/4-in Poly Tank Fitting                           | 2    |
| 10       | CLUVGC03504   | .75 Site Gauge Hose                                | 1    |
| 11       | CFPE04M04B    | 3/4 MNPT x 3/4 Hose Barb 90                        | 2    |
| 12       | CFCW001       | Clamp For 3/4" Hose                                | 2    |
| 13       | CPA0100       | Ice Master Base Mount Hose Reel                    | 1    |
| 14       | CHBS041323    | 7/16 x 3 Stainless Steel Bolt                      | 12   |
| 15       | AZP03SS       | 15-16 x 10" SS tie down pin                        | 6    |
| 16       | CHWZF045      | 7/16 flat washer                                   | 12   |
| 17       | CHNS0423      | 7/16 Nylock Nut                                    | 12   |
| 18       | CHNSN0323     | 3/8" SS Nylock Nut                                 | 4    |
| 19       | CHWSF033      | 3/8" SS Flat Washer                                | 8    |
| 20       | CHBS030523    | 3-8" x 1" SS Hex Bolt                              | 4    |
| 21       | CXT0001       | Cable Tie 14"                                      | 1    |
| 22       | CXSC0002      | Cable Tie 8"                                       | 1    |
| 23       | CLUPEB10009   | 2" hose (tank return)                              | 1    |
| 24       | CLUPEB10009   | 2" hose (tank to pump)                             | 1    |
| 25       | CBM220BRB     | 2 Full Port Flange x 2 Hose Barb                   | 1    |
| 26       | IMSB12        | Poly IMS Boom 12 Nozzle                            | 1    |

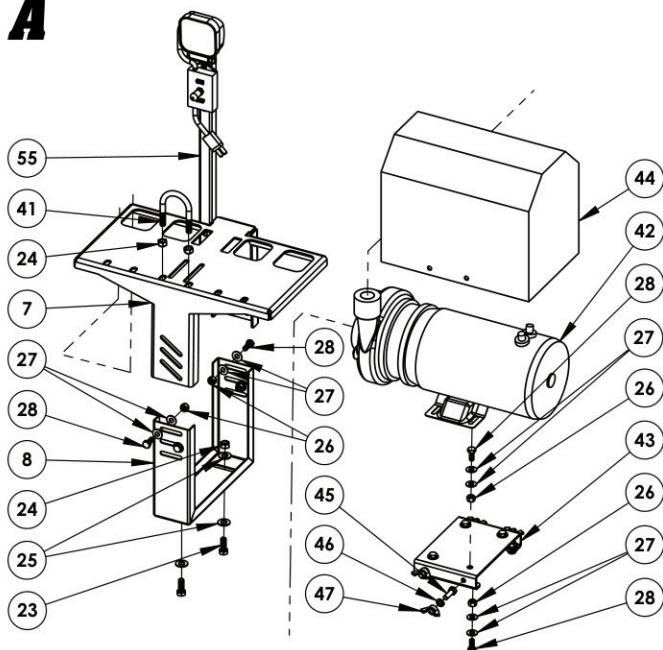


## **T-SERIES ECOMAX NON GPS PLUMBING 2023**

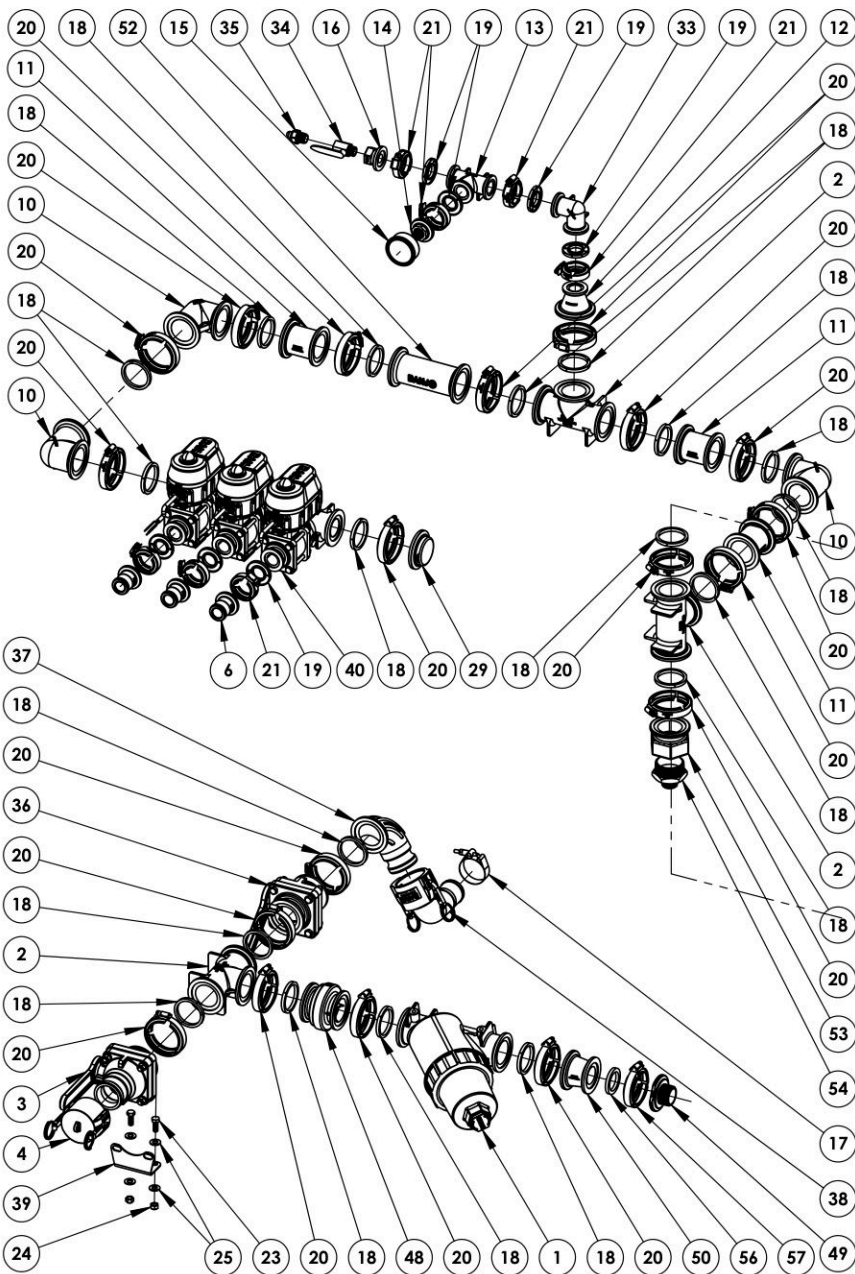
# DETAIL VIEWS



## VIEW A



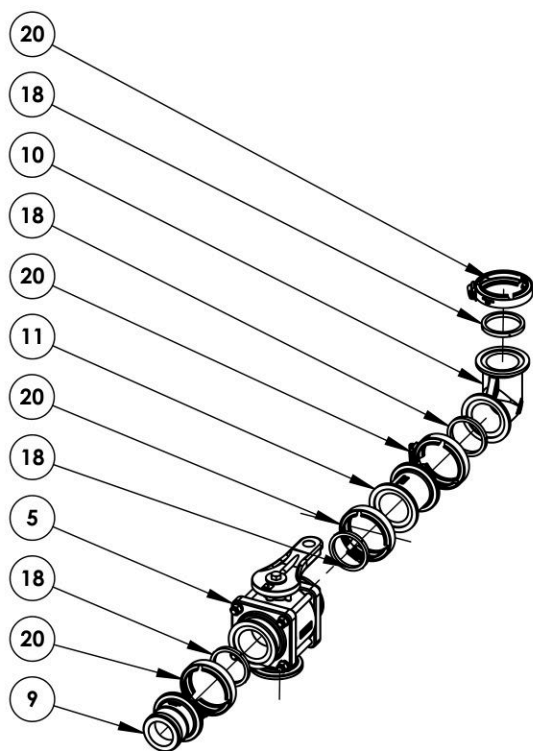
# VIEW B



ICE MASTER® T-SERIES

**VIEW C**

ICE MASTER® T-SERIES



# PARTS LIST

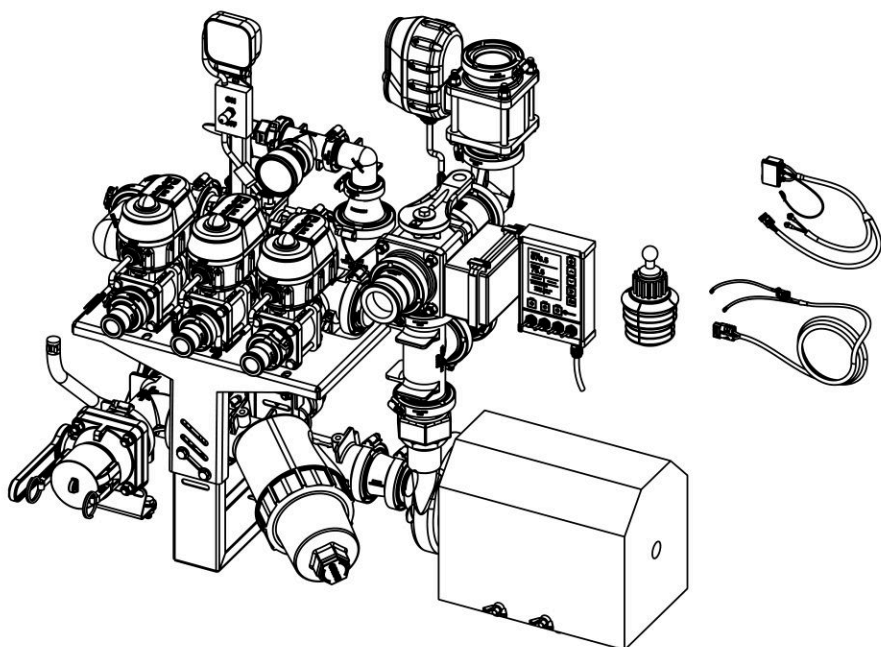
| ITEM NO. | Part #        | DESCRIPTION                                                          | QTY. |
|----------|---------------|----------------------------------------------------------------------|------|
| 1        | CBMLS22216    | MLS222 Y-Strainer 16 Mesh                                            | 1    |
| 2        | CBM220TEE     | 2 Manifold Tee - 220 Series                                          | 3    |
| 3        | CBMVSF220FP   | 2-in FP Manifold x 2-in Male Adaptor                                 | 1    |
| 4        | CB200CAP      | 2-in Cap                                                             | 1    |
| 5        | CBMV220BLSH   | 2" FP Bot Load Manifold Valve w/ SH Handle                           | 1    |
| 6        | CBM100A       | 1" Flange x 1" Male Adapter                                          | 3    |
| 7        | AZKF0027      | Deicing valve bracket wide top support                               | 1    |
| 8        | AZKF0021      | Deicing Valve Bracket Base                                           | 1    |
| 9        | CBM220A       | 2 IN FP Male Adapter x 2 IN Manifold                                 | 1    |
| 10       | CBM220CPG90   | 2" FP x 2" FP Manifold Coupling 90°                                  | 4    |
| 11       | CBM220CPG     | 2 x 2 Full Port Flange                                               | 4    |
| 12       | CBM220100CPG  | 2" Full Port Flange x 1" Reducer Flange                              | 1    |
| 13       | CBM100TEE     | 1" Manifold Tee                                                      | 1    |
| 14       | CBM100PLG025  | 1 IN Flange x .25 FPT                                                | 1    |
| 15       | CV2240GXB100  | Pressure gauge 100psi Glycerin filled                                | 1    |
| 16       | CBM100050FPT  | 1 IN Flange x .5 IN Female Thread                                    | 1    |
| 17       | CBTC231       | 2" T-Bolt Hose Clamp 2.31 MIN                                        | 1    |
| 18       | CBM221G       | 2" FP Manifold Gasket with Rib                                       | 23   |
| 19       | CBM102G       | 1-in Manifold Gasket with Skirt                                      | 7    |
| 20       | CBFC220       | 2 SS Flange Worm Screw Clamp                                         | 23   |
| 21       | CBFC100       | 1" Worm Screw Flange Clamp                                           | 7    |
| 22       | CFCC003       | Clamp for 1/2" Hose                                                  | 2    |
| 23       | CHBS030523    | 3-8" x 1" SS Hex Bolt                                                | 4    |
| 24       | CHNSN0323     | 3/8" SS Nylock Nut                                                   | 6    |
| 25       | CHWSF033      | 3/8" SS Flat Washer                                                  | 8    |
| 26       | CHNSN0223     | 5-16 SS Nyloc Nut                                                    | 12   |
| 27       | CHWSF023      | 5/16" SS Flat Washer                                                 | 24   |
| 28       | CHBS020323    | 5-16 x .75 SS Bolt                                                   | 12   |
| 29       | CBM220PLG     | 2 IN Full Port Flange Plug                                           | 1    |
| 30       | CEWCIM03      | 16 GA IM Wire Harness-3 toggle switch                                | 1    |
| 31       | CEWCIM11      | Ecomax pump 4 foot harness with plug                                 | 1    |
| 32       | CEWCIM13      | Ecomax pump harness with fuse-solenoid-battery hook-up-in cab switch | 1    |
| 33       | CBM100CPG90   | 1" Manifold Coupling 90                                              | 1    |
| 34       | CVS34DZO      | .5 IN FPT x .5 IN MPT Ball Valve                                     | 1    |
| 35       | CBHB05090     | 1/2 MNPT x 1/2 Hose Shank 90                                         | 1    |
| 36       | CBMVS220CF    | 2-in Full Port Stubby Manifold Valve                                 | 1    |
| 37       | CBM220ASWP90  | 2 inch Full Port Flange x Hose Shank Sweep                           | 1    |
| 38       | CB200C90      | 90 Female coupling to hose shank                                     | 1    |
| 39       | CBV25271      | 90 degree Mounting Bracket                                           | 1    |
| 40       | CBMEVX1013C   | 1 inch Manifold 3 Bank Electric Valve Assembly 3 pin connect         | 1    |
| 41       | CHUS031234002 | 1.75 SS U-Bolt                                                       | 1    |
| 42       | APAMT001      | 12V IMS Ecomax pump                                                  | 1    |

# PARTS LIST

| ITEM NO. | Part #         | DESCRIPTION                                     | QTY. |
|----------|----------------|-------------------------------------------------|------|
| 43       | CSLC432        | 12V Heavy Duty Pump Plate                       | 1    |
| 44       | AVPC03         | EcoMax Pump Cover                               | 1    |
| 45       | CHBS020523     | 5-16 x 1 Bolt Stainless Steel                   | 4    |
| 46       | CHWSL023       | 5-16 SS Lock Washer                             | 4    |
| 47       | CHNSW0323      | 3/8 Wingnut SS                                  | 4    |
| 48       | CBMCMV220      | 2 inch Full Port Manifold Checkvalve Assembly   | 1    |
| 49       | CBM200125MPTSS | 2 IN FP Flange x 1.25 IN Male Thread            | 1    |
| 50       | CBM220200CPG   | 2 inch Full Port Flange x 2 inch Reducer Flange | 1    |
| 51       | CLUESB020002   | 1/2" hose (to hose reel)                        | 1    |
| 52       | CBM220CPG6     | 2 x 2 Full Port Flange x 6"                     | 1    |
| 53       | CBM220FPT      | 2 IN FP Manifold x 2 IN Female Thread           | 1    |
| 54       | CFSRN09M05M    | 1in to 2in SS reducer nipple                    | 1    |
| 55       | IMSLB01        | IMS T-series light kit                          | 1    |
| 56       | CB150G         | 1-1/2 inch EPDM Gasket                          | 1    |
| 57       | CBFC200        | 2 SS Flange Worm Screw Clamp                    | 1    |



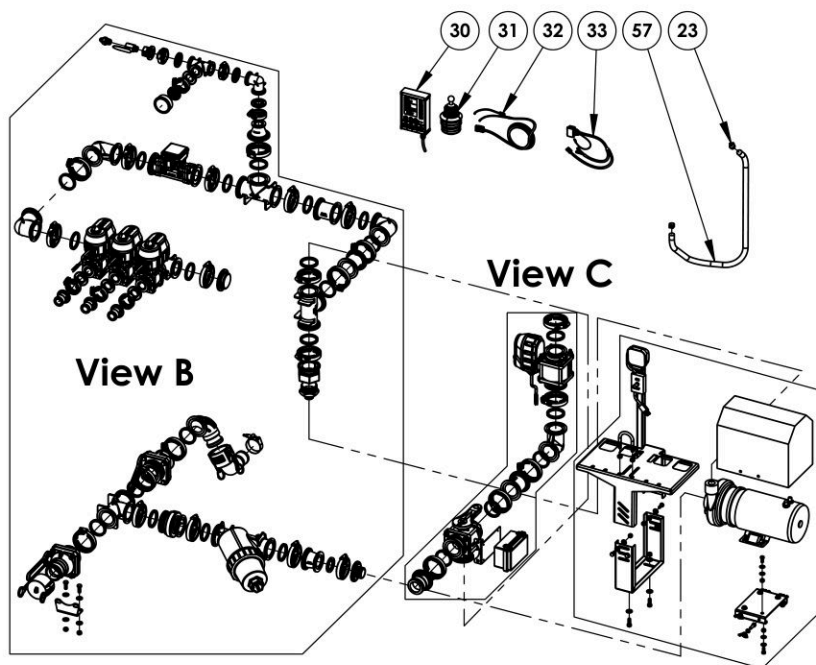
# ***ECOMAX GPS***



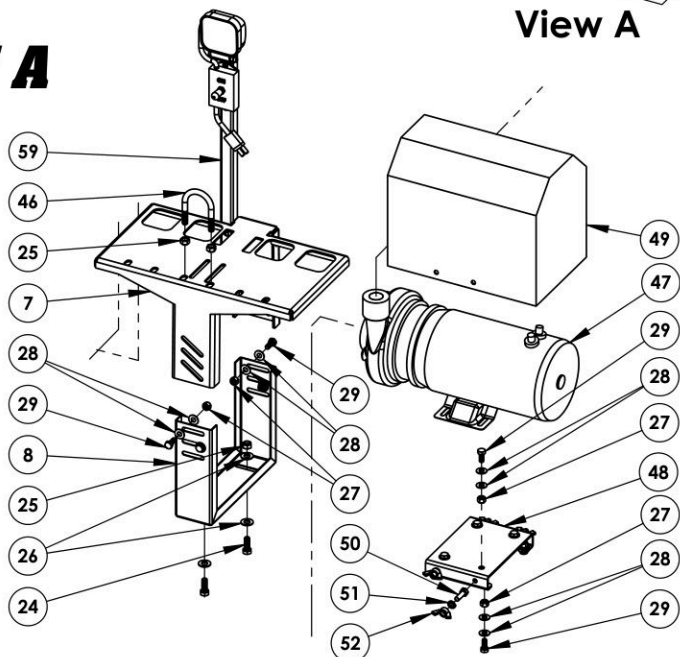
**ICE MASTER® T-SERIES**

## **T-SERIES ECOMAX GPS PLUMBING 2023**

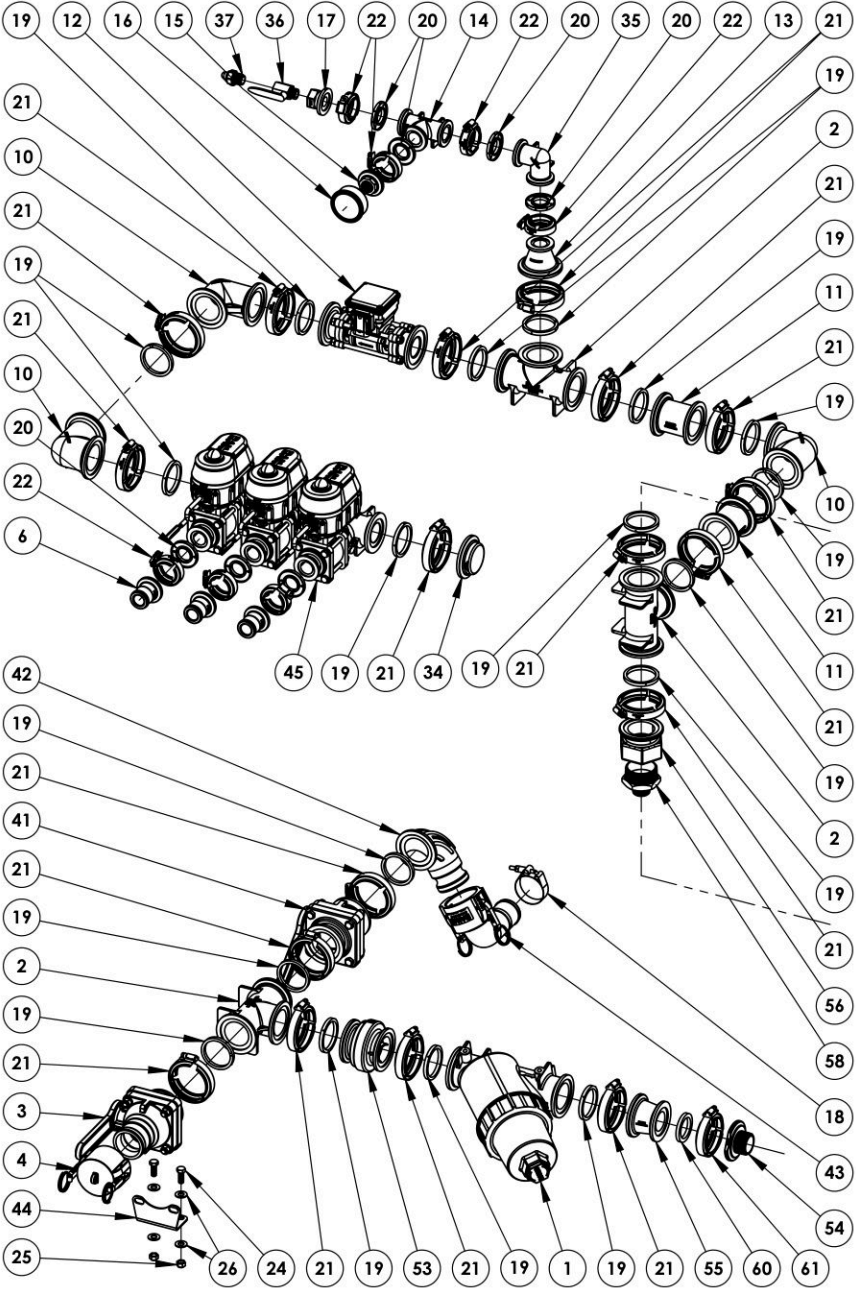
# DETAIL VIEW



## VIEW A

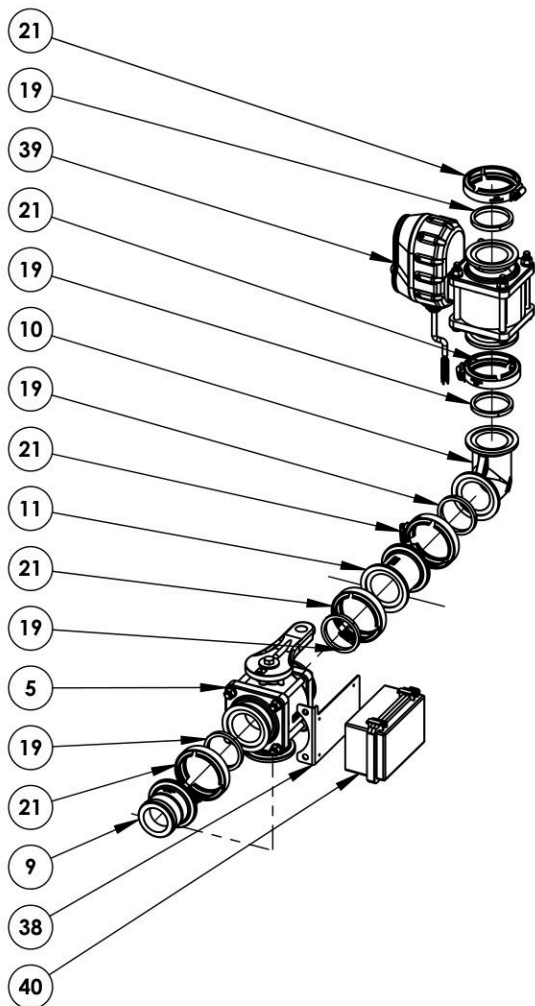


# VIEW B



**VIEW C**

**ICE MASTER® T-SERIES**



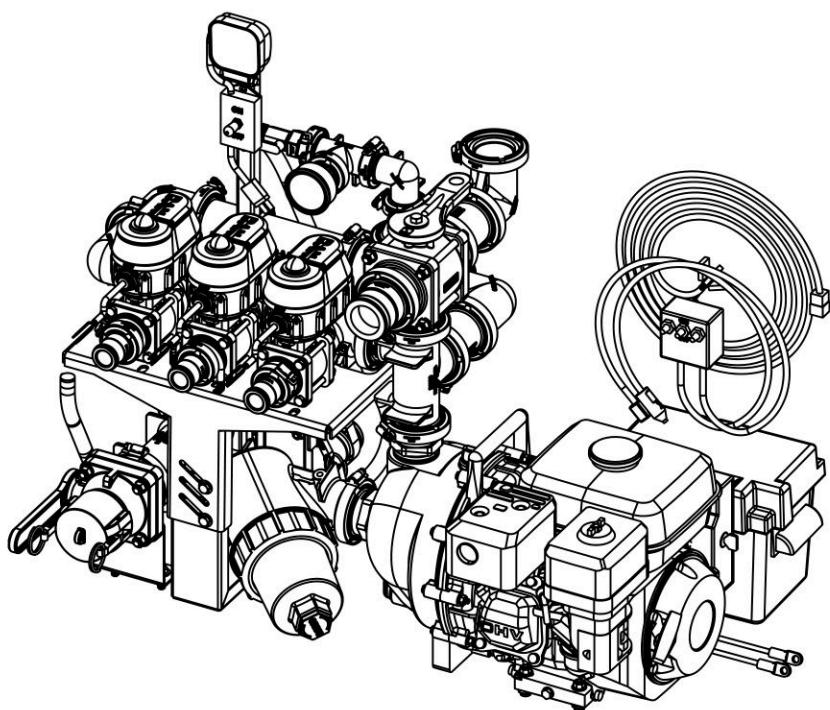
# PARTS LIST

| ITEM NO. | Part #        | DESCRIPTION                                                     | QTY. |
|----------|---------------|-----------------------------------------------------------------|------|
| 1        | CBMLS22216    | MLS222 Y-Strainer 16 Mesh                                       | 1    |
| 2        | CBM220TEE     | 2 Manifold Tee - 220 Series                                     | 3    |
| 3        | CBMVSF220FP   | 2-in FP Manifold x 2-in Male Adaptor                            | 1    |
| 4        | CB200CAP      | 2-in Cap                                                        | 1    |
| 5        | CBMV220BLSH   | 2" FP Bot Load Manifold Valve w/ SH Handle                      | 1    |
| 6        | CBM100A       | 1" Flange x 1" Male Adapter                                     | 3    |
| 7        | AZKF0027      | Deicing valve bracket wide top support                          | 1    |
| 8        | AZKF0021      | Deicing Valve Bracket Base                                      | 1    |
| 9        | CBM220A       | 2 IN FP Male Adapter x 2 IN Manifold                            | 1    |
| 10       | CBM220CPG90   | 2" FP x 2" FP Manifold Coupling 90°                             | 4    |
| 11       | CBM220CPG     | 2 x 2 Full Port Flange                                          | 3    |
| 12       | CA46221A58787 | Electro-Magnetic Flowmeter with 2 inch Full Port                | 1    |
| 13       | CBM220100CPG  | 2" Full Port Flange x 1" Reducer Flange                         | 1    |
| 14       | CBM100TEE     | 1" Manifold Tee                                                 | 1    |
| 15       | CBM100PLG025  | 1 IN Flange x .25 FPT                                           | 1    |
| 16       | CV2240GXB100  | Pressure gauge 100psi Glycerin filled                           | 1    |
| 17       | CBM100050FPT  | 1 IN Flange x .5 IN Female Thread                               | 1    |
| 18       | CBTC231       | 2" T-Bolt Hose Clamp 2.31 MIN                                   | 1    |
| 19       | CBM221G       | 2" FP Manifold Gasket with Rib                                  | 23   |
| 20       | CBM102G       | 1-in Manifold Gasket with Skirt                                 | 7    |
| 21       | CBFC220       | 2 SS Flange Worm Screw Clamp                                    | 23   |
| 22       | CBFC100       | 1" Worm Screw Flange Clamp                                      | 7    |
| 23       | CFCC003       | Clamp for 1/2" Hose                                             | 2    |
| 24       | CHBS030523    | 3-8" x 1" SS Hex Bolt                                           | 4    |
| 25       | CHNSN0323     | 3/8" SS Nylock Nut                                              | 6    |
| 26       | CHWSF033      | 3/8" SS Flat Washer                                             | 8    |
| 27       | CHNSN0223     | 5-16 SS Nyloc Nut                                               | 12   |
| 28       | CHWSF023      | 5/16" SS Flat Washer                                            | 24   |
| 29       | CHBS020323    | 5-16 x .75 SS Bolt                                              | 12   |
| 30       | CEC063        | SC InCab Ctrl                                                   | 1    |
| 31       | CEC057        | Cupholder Mount For GPS Controller                              | 1    |
| 32       | CEWCIM30      | HF 12V Pump/Harness/Breaker/175 Amp Waytek plug no solenoid     | 1    |
| 33       | CEWCIM29      | HF 12 V Pump 4' Harness w/big 175 AMP Waytek plug with solenoid | 1    |
| 34       | CBM220PLG     | 2 IN Full Port Flange Plug                                      | 1    |
| 35       | CBM100CPG90   | 1" Manifold Coupling 90                                         | 1    |
| 36       | CVS34DZO      | .5 IN FPT x .5 IN MPT Ball Valve                                | 1    |
| 37       | CBHB05090     | 1/2 MNPT x 1/2 Hose Shank 90                                    | 1    |
| 38       | CSLC723       | MTS Controller Valve Bracket                                    | 1    |
| 39       | CBMEVXR2W220A | 2 IN Bolted Full Port Reg Valve w3pin WP Con                    | 1    |
| 40       | CEC065        | STORM COMMANDER RECEIVER BOX                                    | 1    |
| 41       | CBMVS220CF    | 2-in Full Port Stubby Manifold Valve                            | 1    |
| 42       | CBM220ASWP90  | 2 inch Full Port Flange x Hose Shank Sweep                      | 1    |

# PARTS LIST

| ITEM NO. | Part #         | DESCRIPTION                                                  | QTY. |
|----------|----------------|--------------------------------------------------------------|------|
| 43       | CB200C90       | 90 Female coupling to hose shank                             | 1    |
| 44       | CBV25271       | 90 degree Mounting Bracket                                   | 1    |
| 45       | CBMEVX1013C    | 1 inch Manifold 3 Bank Electric Valve Assembly 3 pin connect | 1    |
| 46       | CHUS031234002  | 1.75 SS U-Bolt                                               | 1    |
| 47       | APAMT001       | 12V IMS Ecomax pump                                          | 1    |
| 48       | CSLC432        | 12V Heavy Duty Pump Plate                                    | 1    |
| 49       | AVPC03         | EcoMax Pump Cover                                            | 1    |
| 50       | CHBS020523     | 5-16 x 1 Bolt Stainless Steel                                | 4    |
| 51       | CHWSL023       | 5-16 SS Lock Washer                                          | 4    |
| 52       | CHNSW0323      | 3/8 Wingnut SS                                               | 4    |
| 53       | CBMCV220       | 2 inch Full Port Manifold Checkvalve Assembly                | 1    |
| 54       | CBM200125MPTSS | 2 IN FP Flange x 1.25 IN Male Thread                         | 1    |
| 55       | CBM220200CPG   | 2 inch Full Port Flange x 2 inch Reducer Flange              | 1    |
| 56       | CBM220FPT      | 2 IN FP Manifold x 2 IN Female Thread                        | 1    |
| 57       | CLUESB020002   | 1/2" hose (to hose reel)                                     | 1    |
| 58       | CFSRN09M05M    | 1in to 2in SS reducer nipple                                 | 1    |
| 59       | IMSLB01        | IMS T-series light kit                                       | 1    |
| 60       | CB150G         | 1-1/2 inch EPDM Gasket                                       | 1    |
| 61       | CBFC200        | 2 SS Flange Worm Screw Clamp                                 | 1    |

# ***GAS NON GPS***

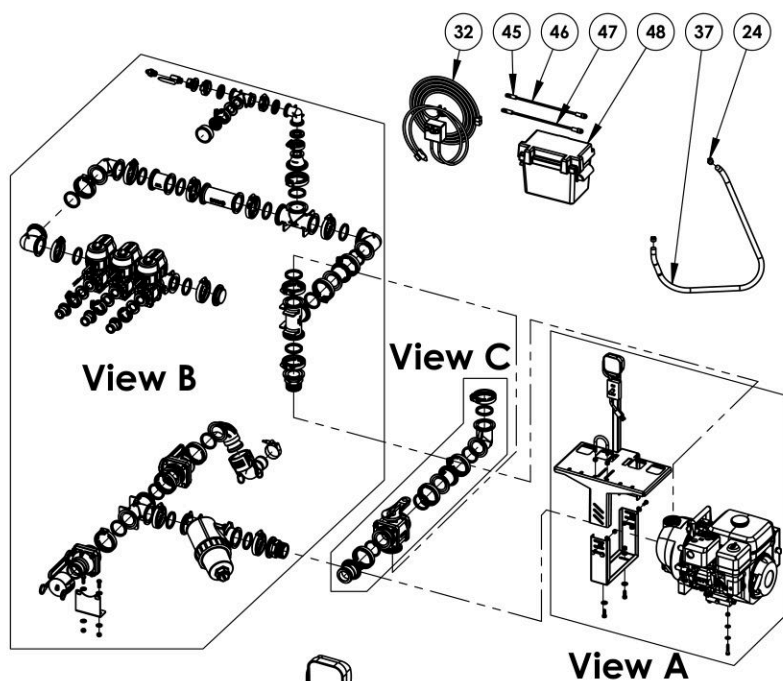


**ICE MASTER® T-SERIES**

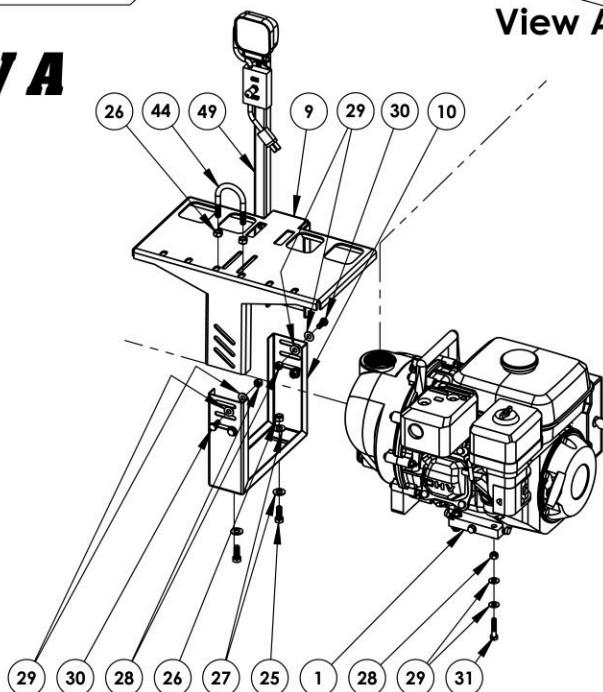
## **T-SERIES GAS NON GPS PLUMBING 2023**



# DETAIL VIEW

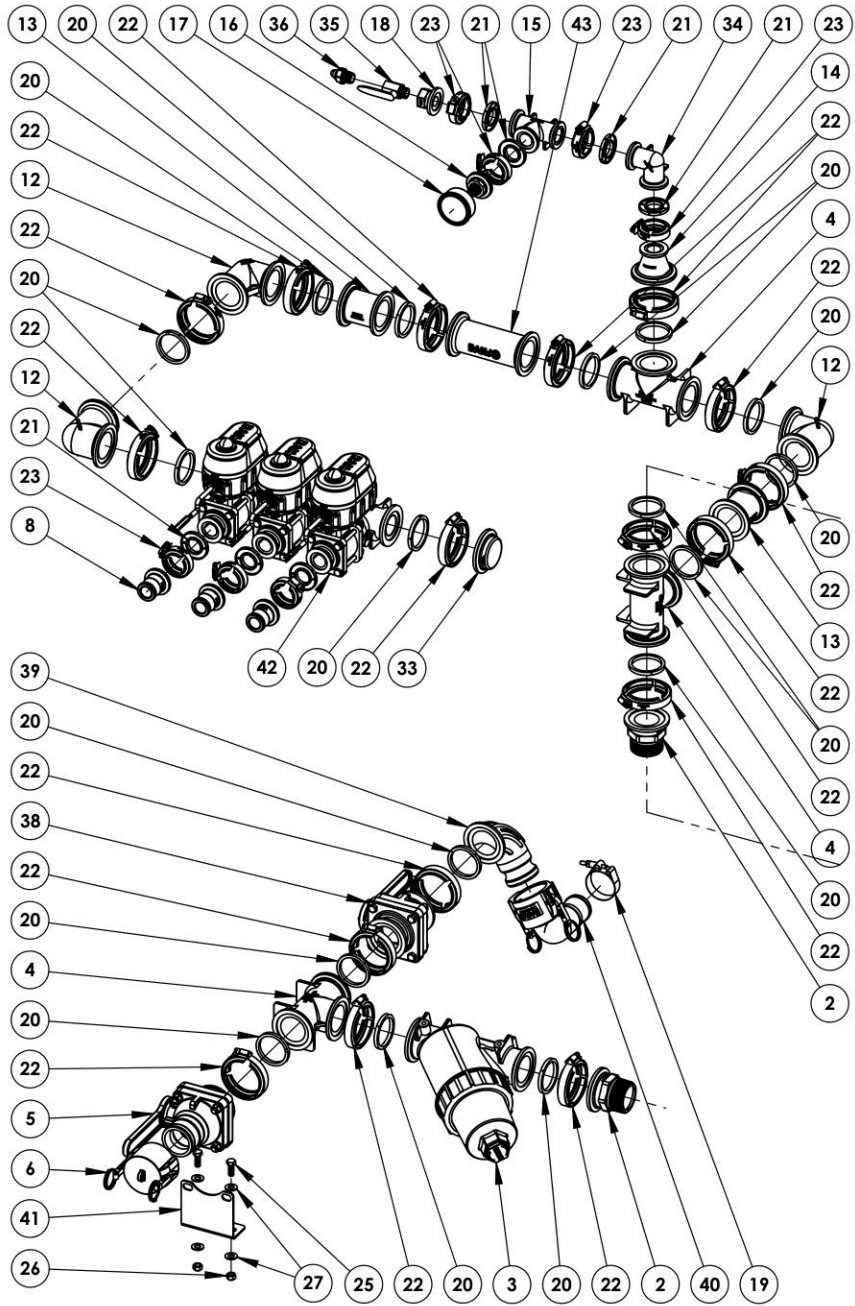


## VIEW A



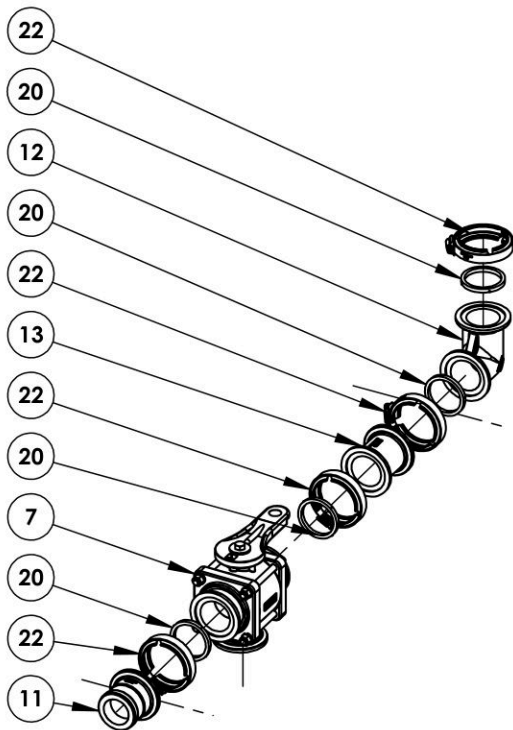


# VIEW B



# VIEW C

ICE MASTER® T-SERIES



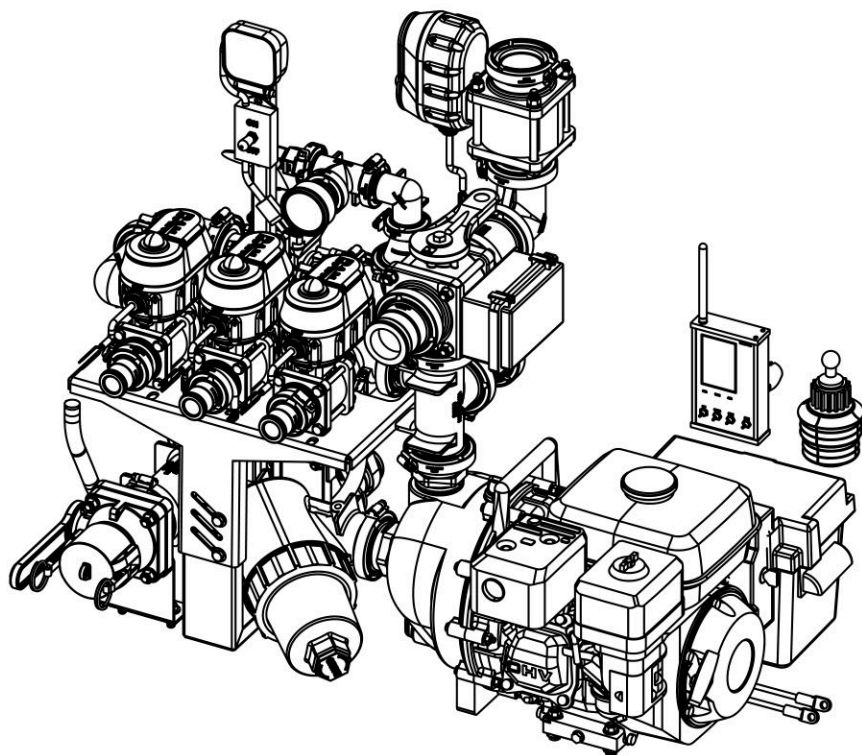
# PARTS LIST

| ITEM NO. | Part #       | DESCRIPTION                                             | QTY. |
|----------|--------------|---------------------------------------------------------|------|
| 1        | CB200PH5E    | 2 inch Poly Pump with 5.5HP Honda Engine Electric Start | 1    |
| 2        | CBM220MPT    | 2-in FP Manifold x 2-in Male Thread                     | 2    |
| 3        | CBMLS22216   | MLS222 Y-Strainer 16 Mesh                               | 1    |
| 4        | CBM220TEE    | 2 Manifold Tee - 220 Series                             | 3    |
| 5        | CBMVSF220FP  | 2-in FP Manifold x 2-in Male Adaptor                    | 1    |
| 6        | CB200CAP     | 2-in Cap                                                | 1    |
| 7        | CBMV220BLSH  | 2" FP Bot Load Manifold Valve w/ SH Handle              | 1    |
| 8        | CBM100A      | 1" Flange x 1" Male Adapter                             | 3    |
| 9        | AZKF0027     | Deicing valve bracket wide top support                  | 1    |
| 10       | AZKF0021     | Deicing Valve Bracket Base                              | 1    |
| 11       | CBM220A      | 2 IN FP Male Adapter x 2 IN Manifold                    | 1    |
| 12       | CBM220CPG90  | 2" FP x 2" FP Manifold Coupling 90°                     | 4    |
| 13       | CBM220CPG    | 2 x 2 Full Port Flange                                  | 3    |
| 14       | CBM220100CPG | 2" Full Port Flange x 1" Reducer Flange                 | 1    |
| 15       | CBM100TEE    | 1" Manifold Tee                                         | 1    |
| 16       | CBM100PLG025 | 1 IN Flange x .25 FPT                                   | 1    |
| 17       | CV2240GX8100 | Pressure gauge 100psi Glycerin filled                   | 1    |
| 18       | CBM100050FPT | 1 IN Flange x .5 IN Female Thread                       | 1    |
| 19       | CBTC231      | 2" T-Bolt Hose Clamp 2.31 MIN                           | 1    |
| 20       | CBM221G      | 2" FP Manifold Gasket with Rib                          | 21   |
| 21       | CBM102G      | 1-in Manifold Gasket with Skirt                         | 7    |
| 22       | CBFC220      | 2 SS Flange Worm Screw Clamp                            | 21   |
| 23       | CBFC100      | 1" Worm Screw Flange Clamp                              | 7    |
| 24       | CFCC003      | Clamp for 1/2" Hose                                     | 2    |
| 25       | CHBS030523   | 3-8" x 1" SS Hex Bolt                                   | 4    |
| 26       | CHNSN0323    | 3/8" SS Nylock Nut                                      | 6    |
| 27       | CHWSF033     | 3/8" SS Flat Washer                                     | 8    |
| 28       | CHNSN0223    | 5-16 SS Nyloc Nut                                       | 8    |
| 29       | CHWSF023     | 5/16" SS Flat Washer                                    | 16   |
| 30       | CHBS020323   | 5-16 x .75 SS Bolt                                      | 4    |
| 31       | CHBS020723   | 5/16" x 1-1/2" SS Bolt                                  | 4    |
| 32       | CEWCIM03     | 16 GA IM Wire Harness-3 toggle switch                   | 1    |
| 33       | CBM220PLG    | 2 IN Full Port Flange Plug                              | 1    |
| 34       | CBM100CPG90  | 1" Manifold Coupling 90                                 | 1    |
| 35       | CVS34DZO     | .5 IN FPT x .5 IN MPT Ball Valve                        | 1    |
| 36       | CBHB05090    | 1/2 MNPT x 1/2 Hose Shank 90                            | 1    |
| 37       | CLUESB020002 | 1/2" hose (to hose reel)                                | 1    |
| 38       | CBMV5220CF   | 2-in Full Port Stubby Manifold Valve                    | 1    |
| 39       | CBM220ASWP90 | 2 inch Full Port Flange x Hose Shank Sweep              | 1    |
| 40       | CB200C90     | 90 Female coupling to hose shank                        | 1    |
| 41       | C5LC729      | Valve Bracket for Gas T-Series                          | 1    |
| 42       | CBMEVX103A   | 3-bank electric Banjo Valve bolted with pin con         | 1    |
| 43       | CBM220CPG6   | 2 x 2 Full Port Flange x 6"                             | 1    |

# PARTS LIST

| ITEM NO. | Part #        | DESCRIPTION                                     | QTY. |
|----------|---------------|-------------------------------------------------|------|
| 44       | CHUS031234002 | 1.75 SS U-Bolt                                  | 1    |
| 45       | CTEW018       | Battery Terminal - Standard Lug Plated          | 4    |
| 46       | CTEW017       | Battery Cable - 4GA. Black                      | 1    |
| 47       | CTEW016       | Battery Cable - 4GA. Red                        | 1    |
| 48       | CTEW037       | Battery Box, Polypropylene, for U1 Battery Size | 1    |
| 49       | IMSLB01       | IMS T-series light kit                          | 1    |

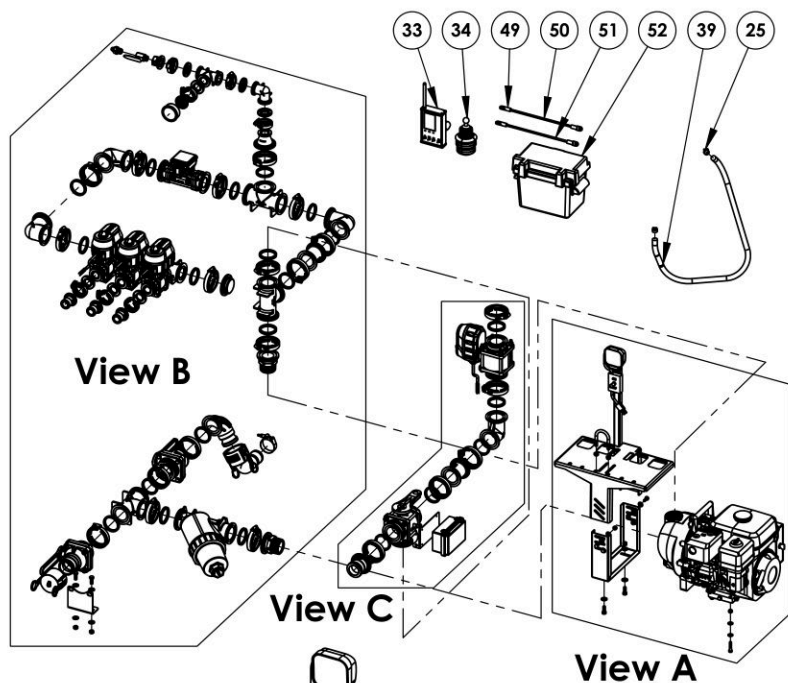
# ***GAS GPS***



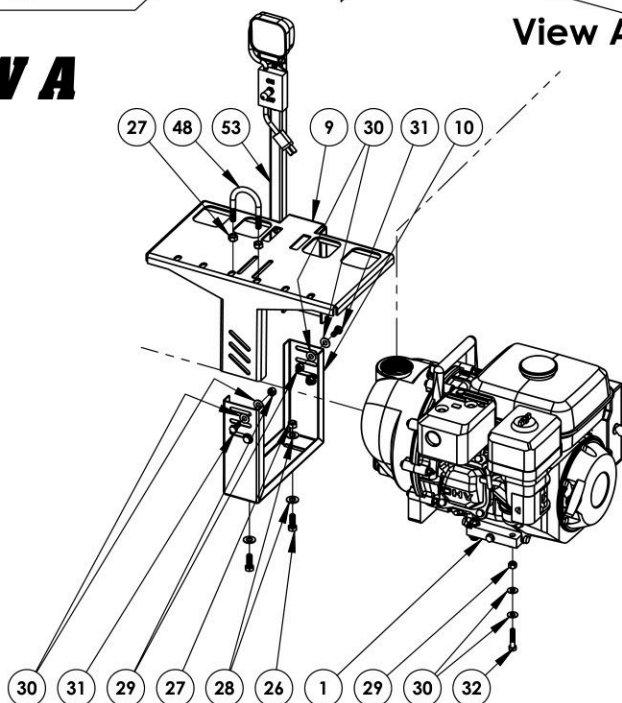
**ICE MASTER® T-SERIES**

## **T-SERIES GAS GPS PLUMBING 2023**

# OVERVIEW

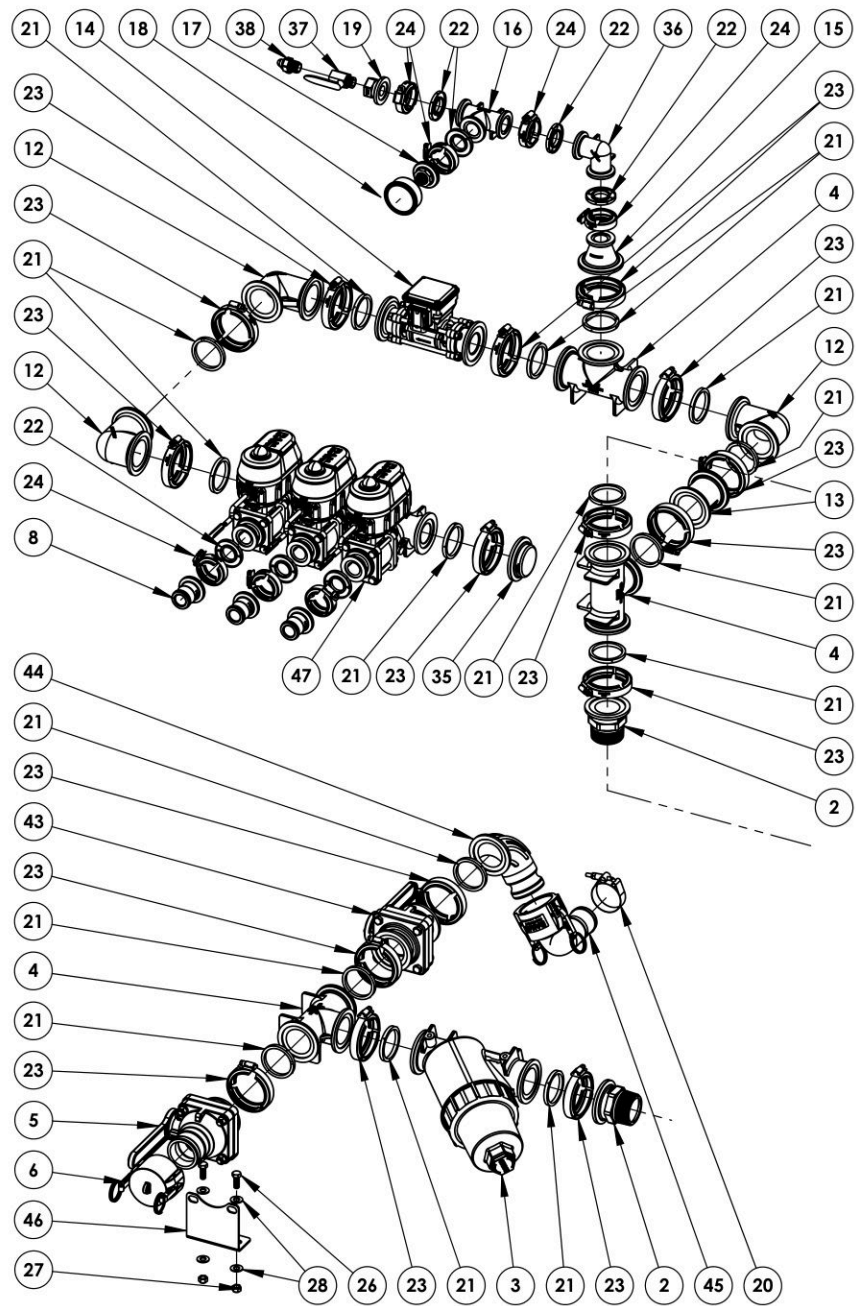


## VIEW A





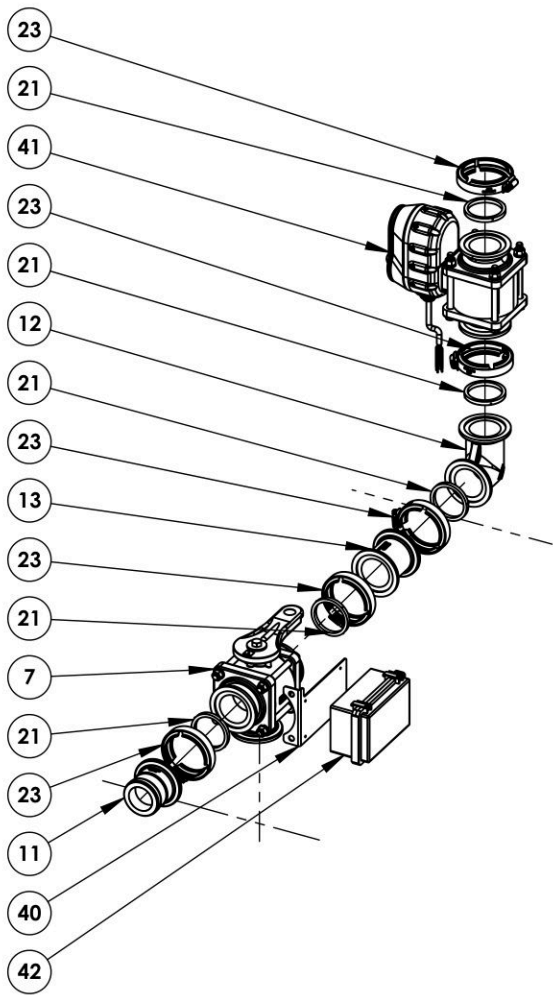
# VIEW B



ICE MASTER® T-SERIES

**VIEW C**

**ICE MASTER® T-SERIES**





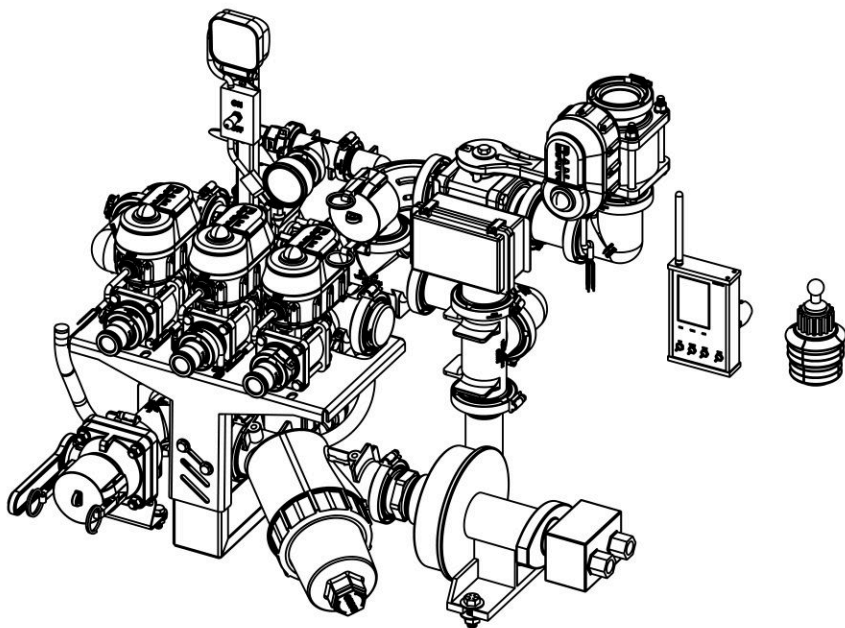
# PARTS LIST

| ITEM NO. | Part #        | DESCRIPTION                                                                      | QTY. |
|----------|---------------|----------------------------------------------------------------------------------|------|
| 1        | CB200PH5E     | 2 inch Poly Pump with 5.5HP Honda Engine Electric Start                          | 1    |
| 2        | CBM220MPT     | 2-in FP Manifold x 2-in Male Thread                                              | 2    |
| 3        | CBMLS22216    | MLS222 Y-Strainer 16 Mesh                                                        | 1    |
| 4        | CBM220TEE     | 2 Manifold Tee - 220 Series                                                      | 3    |
| 5        | CBMVSF220FP   | 2-in FP Manifold x 2-in Male Adaptor                                             | 1    |
| 6        | CB200CAP      | 2-in Cap                                                                         | 1    |
| 7        | CBMV220BLSH   | 2" FP Bot Load Manifold Valve w/ SH Handle                                       | 1    |
| 8        | CBM100A       | 1" Flange x 1" Male Adapter                                                      | 3    |
| 9        | AZKF0027      | Deicing valve bracket wide top support                                           | 1    |
| 10       | AZKF0021      | Deicing Valve Bracket Base                                                       | 1    |
| 11       | CBM220A       | 2 IN FP Male Adapter x 2 IN Manifold                                             | 1    |
| 12       | CBM220CPG90   | 2" FP x 2" FP Manifold Coupling 90°                                              | 4    |
| 13       | CBM220CPG     | 2 x 2 Full Port Flange                                                           | 2    |
| 14       | CA46221A58787 | Electro-Magnetic Flowmeter with 2 inch Full Port                                 | 1    |
| 15       | CBM220100CPG  | 2" Full Port Flange x 1" Reducer Flange                                          | 1    |
| 16       | CBM100TEE     | 1" Manifold Tee                                                                  | 1    |
| 17       | CBM100PLG025  | 1 IN Flange x .25 FPT                                                            | 1    |
| 18       | CV2240GXB100  | Pressure gauge 100psi Glycerin filled                                            | 1    |
| 19       | CBM100050FPT  | 1 IN Flange x .5 IN Female Thread                                                | 1    |
| 20       | CBTC231       | 2" T-Bolt Hose Clamp 2.31 MIN                                                    | 1    |
| 21       | CBM221G       | 2" FP Manifold Gasket with Rib                                                   | 21   |
| 22       | CBM102G       | 1-in Manifold Gasket with Skirt                                                  | 7    |
| 23       | CBFC220       | 2 SS Flange Worm Screw Clamp                                                     | 21   |
| 24       | CBFC100       | 1" Worm Screw Flange Clamp                                                       | 7    |
| 25       | CFCC003       | Clamp for 1/2" Hose                                                              | 2    |
| 26       | CHBS030523    | 3-8" x 1" SS Hex Bolt                                                            | 4    |
| 27       | CHNSN0323     | 3/8" SS Nylock Nut                                                               | 6    |
| 28       | CHWSF033      | 3/8" SS Flat Washer                                                              | 8    |
| 29       | CHNSN0223     | 5-16 SS Nyloc Nut                                                                | 8    |
| 30       | CHWSF023      | 5/16" SS Flat Washer                                                             | 16   |
| 31       | CHBS020323    | 5-16 x .75 SS Bolt                                                               | 4    |
| 32       | CHBS020723    | 5/16" x 1-1/2" SS Bolt                                                           | 4    |
| 33       | CEC056        | Storm Commander controller -in-cab controller, wire hookups, control box at unit | 1    |
| 34       | CEC057        | Cupholder Mount For GPS Controller                                               | 1    |
| 35       | CBM220PLG     | 2 IN Full Port Flange Plug                                                       | 1    |
| 36       | CBM100CPG90   | 1" Manifold Coupling 90                                                          | 1    |
| 37       | CVS34DZO      | .5 IN FPT x .5 IN MPT Ball Valve                                                 | 1    |
| 38       | CBHB05090     | 1/2 MNPT x 1/2 Hose Shank 90                                                     | 1    |
| 39       | CLUESB020002  | 1/2" hose (to hose reel)                                                         | 1    |
| 40       | CSLC723       | MTS Controller Valve Bracket                                                     | 1    |
| 41       | CBMEVXR2W220A | 2 IN Bolted Full Port Reg Valve w3pin WP Con                                     | 1    |
| 42       | CEC065        | STORM COMMANDER RECEIVER BOX                                                     | 1    |

# PARTS LIST

| ITEM NO. | Part #        | DESCRIPTION                                     | QTY. |
|----------|---------------|-------------------------------------------------|------|
| 43       | CBMVS220CF    | 2-in Full Port Stubby Manifold Valve            | 1    |
| 44       | CBM220ASWP90  | 2 inch Full Port Flange x Hose Shank Sweep      | 1    |
| 45       | CB200C90      | 90 Female coupling to hose shank                | 1    |
| 46       | CSLC729       | Valve Bracket for Gas T-Series                  | 1    |
| 47       | CBMEVX103A    | 3-bank electric Banjo Valve bolted with pin con | 1    |
| 48       | CHUS031234002 | 1.75 SS U-Bolt                                  | 1    |
| 49       | CTEW018       | Battery Terminal - Standard Lug Plated          | 4    |
| 50       | CTEW017       | Battery Cable - 4GA. Black                      | 1    |
| 51       | CTEW016       | Battery Cable - 4GA. Red                        | 1    |
| 52       | CTEW037       | Battery Box, Polypropylene, for U1 Battery Size | 1    |
| 53       | IMSLB01       | IMS T-series light kit                          | 1    |

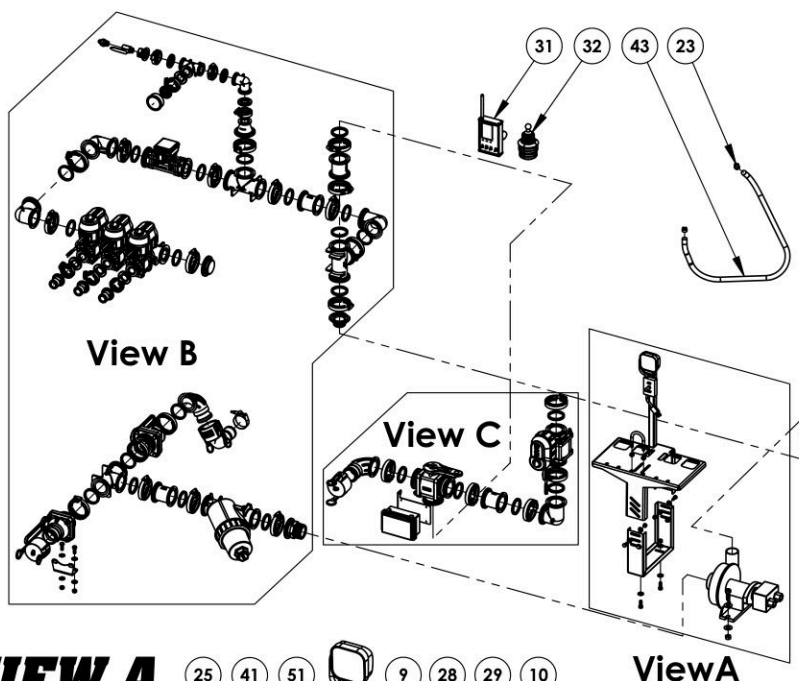
## HYDRAULIC GPS



# ICE MASTER® T-SERIES

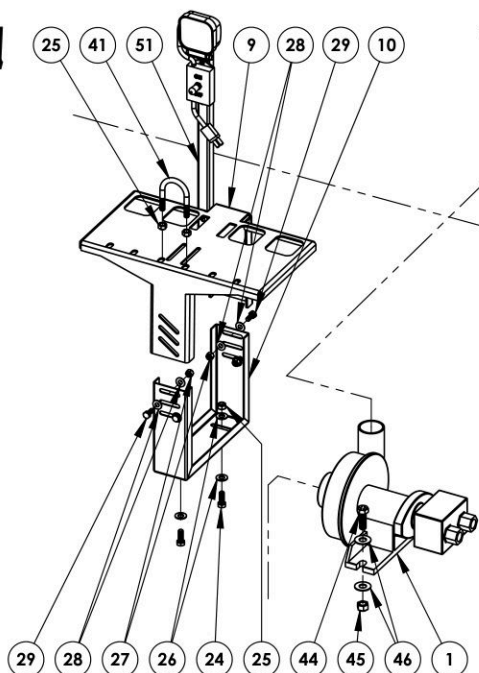
# HYDRAULIC GPS PLUMBING 2023

# OVERVIEW

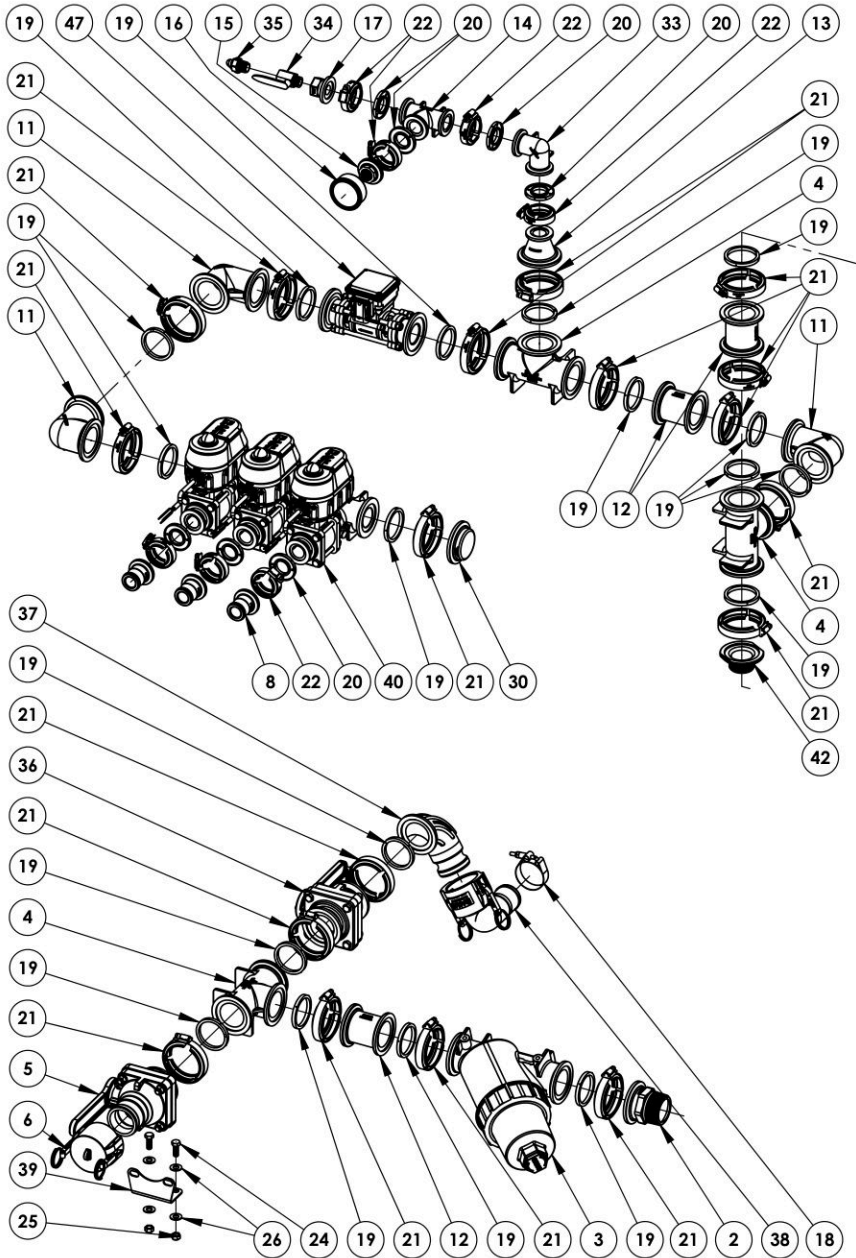


**VIEW A**

**View A**



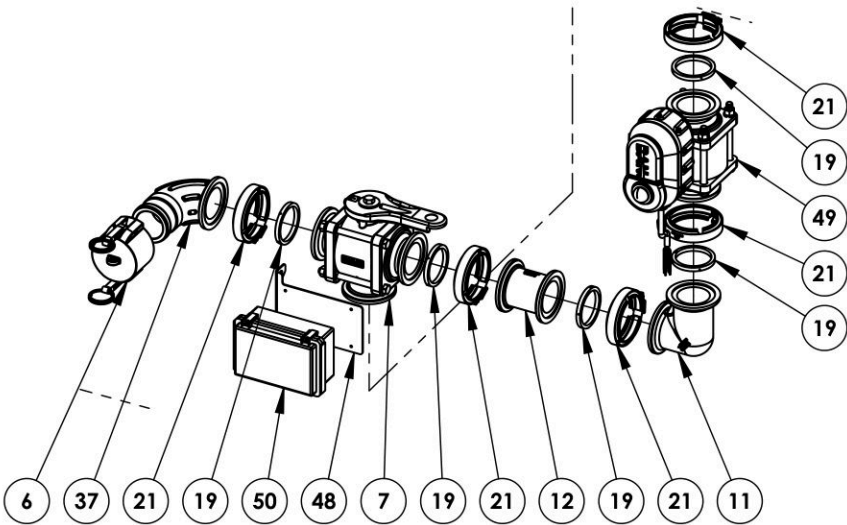
# VIEW B



ICE MASTER® T-SERIES

# VIEW C

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# PARTS LIST

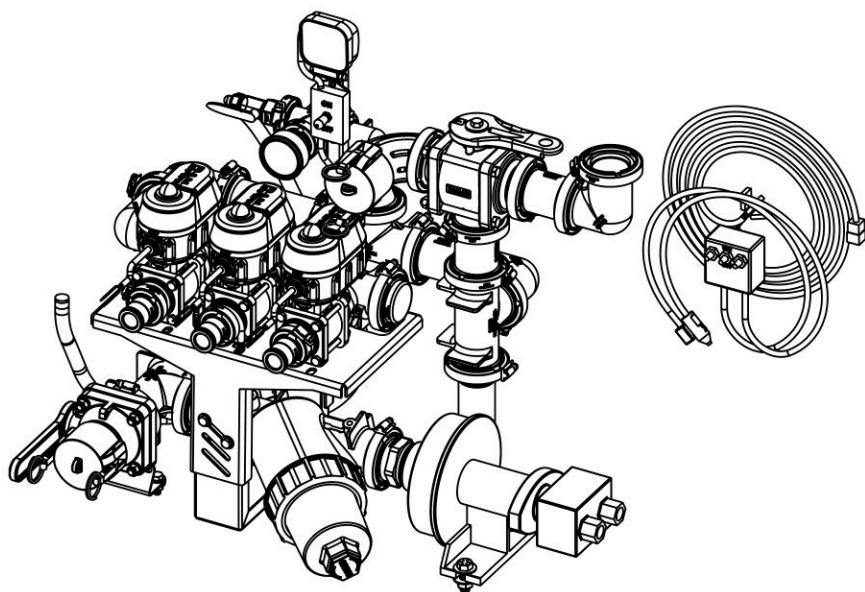
| ITEM NO. | Part #         | DESCRIPTION                                                                      | QTY. |
|----------|----------------|----------------------------------------------------------------------------------|------|
| 1        | APDC09HS       | SS Hydraulic pump                                                                | 1    |
| 2        | CBM220MPT      | 2-in FP Manifold x 2-in Male Thread                                              | 1    |
| 3        | CBMLS22216     | MLS222 Y-Strainer 16 Mesh                                                        | 1    |
| 4        | CBM220TEE      | 2 Manifold Tee - 220 Series                                                      | 3    |
| 5        | CBMVSF220FP    | 2-in FP Manifold x 2-in Male Adaptor                                             | 1    |
| 6        | CB200CAP       | 2-in Cap                                                                         | 2    |
| 7        | CBMV220BLSH    | 2" FP Bot Load Manifold Valve w/ SH Handle                                       | 1    |
| 8        | CBM100A        | 1" Flange x 1" Male Adapter                                                      | 3    |
| 9        | AZKF0027       | Deicing valve bracket wide top support                                           | 1    |
| 10       | AZKF0021       | Deicing Valve Bracket Base                                                       | 1    |
| 11       | CBM220CPG90    | 2" FP x 2" FP Manifold Coupling 90°                                              | 4    |
| 12       | CBM220CPG      | 2 x 2 Full Port Flange                                                           | 4    |
| 13       | CBM220100CPG   | 2" Full Port Flange x 1" Reducer Flange                                          | 1    |
| 14       | CBM100TEE      | 1" Manifold Tee                                                                  | 1    |
| 15       | CBM100PLG025   | 1 IN Flange x .25 FPT                                                            | 1    |
| 16       | CV2240GXB100   | Pressure gauge 100psi Glycerin filled                                            | 1    |
| 17       | CBM100050FPT   | 1 IN Flange x .5 IN Female Thread                                                | 1    |
| 18       | CBTC231        | 2" T-Bolt Hose Clamp 2.31 MIN                                                    | 1    |
| 19       | CBM221G        | 2" FP Manifold Gasket with Rib                                                   | 23   |
| 20       | CBM102G        | 1-in Manifold Gasket with Skirt                                                  | 7    |
| 21       | CBFC220        | 2 SS Flange Worm Screw Clamp                                                     | 23   |
| 22       | CBFC100        | 1" Worm Screw Flange Clamp                                                       | 7    |
| 23       | CFCC003        | Clamp for 1/2" Hose                                                              | 2    |
| 24       | CHBS030523     | 3-8" x 1" SS Hex Bolt                                                            | 4    |
| 25       | CHNSN0323      | 3/8" SS Nylock Nut                                                               | 6    |
| 26       | CHWSF033       | 3/8" SS Flat Washer                                                              | 8    |
| 27       | CHNSN0223      | 5-16 SS Nyloc Nut                                                                | 4    |
| 28       | CHWSF023       | 5/16" SS Flat Washer                                                             | 8    |
| 29       | CHBS020323     | 5-16 x .75 SS Bolt                                                               | 4    |
| 30       | CBM220PLG      | 2 IN Full Port Flange Plug                                                       | 1    |
| 31       | CEC056         | Storm Commander controller -in-cab controller, wire hookups, control box at unit | 1    |
| 32       | CEC057         | Cupholder Mount For GPS Controller                                               | 1    |
| 33       | CBM100CPG90    | 1" Manifold Coupling 90                                                          | 1    |
| 34       | CVS34DZO       | .5 IN FPT x .5 IN MPT Ball Valve                                                 | 1    |
| 35       | CBHB05090      | 1/2 MNPT x 1/2 Hose Shank 90                                                     | 1    |
| 36       | CBMVS220CF     | 2-in Full Port Stubby Manifold Valve                                             | 1    |
| 37       | CBM220ASWP90   | 2 inch Full Port Flange x Hose Shank Sweep                                       | 2    |
| 38       | CB200C90       | 90 Female coupling to hose shank                                                 | 1    |
| 39       | CBV25271       | 90 degree Mounting Bracket                                                       | 1    |
| 40       | CBMEVX103A     | 3-bank electric Banjo Valve bolted with pin con                                  | 1    |
| 41       | CHUS031234002  | 1.75 SS U-Bolt                                                                   | 1    |
| 42       | CBM220150MPTSS | 2 IN Full Port Flange x 1-1/2 inch MPT SS                                        | 1    |
| 43       | CLUESB020002   | 1/2" hose (to hose reel)                                                         | 1    |

# PARTS LIST

| ITEM NO. | Part #        | DESCRIPTION                                      | QTY. |
|----------|---------------|--------------------------------------------------|------|
| 44       | CHAS050723    | 1/2" x 1-1/2" Stainless Hex Bolt All Thread      | 2    |
| 45       | CHNSN0533     | 1/2" Nylock Nut 304 SS                           | 2    |
| 46       | CHWSF053      | 1/2 SS flat washer                               | 4    |
| 47       | CA46221A58787 | Electro-Magnetic Flowmeter with 2 inch Full Port | 1    |
| 48       | CSLC723       | MTS Controller Valve Bracket                     | 1    |
| 49       | CBMEVXR2W220A | 2 IN Bolted Full Port Reg Valve w3pin WP Con     | 1    |
| 50       | CEC065        | STORM COMMANDER RECEIVER BOX                     | 1    |
| 51       | IMSLB01       | IMS T-series light kit                           | 1    |



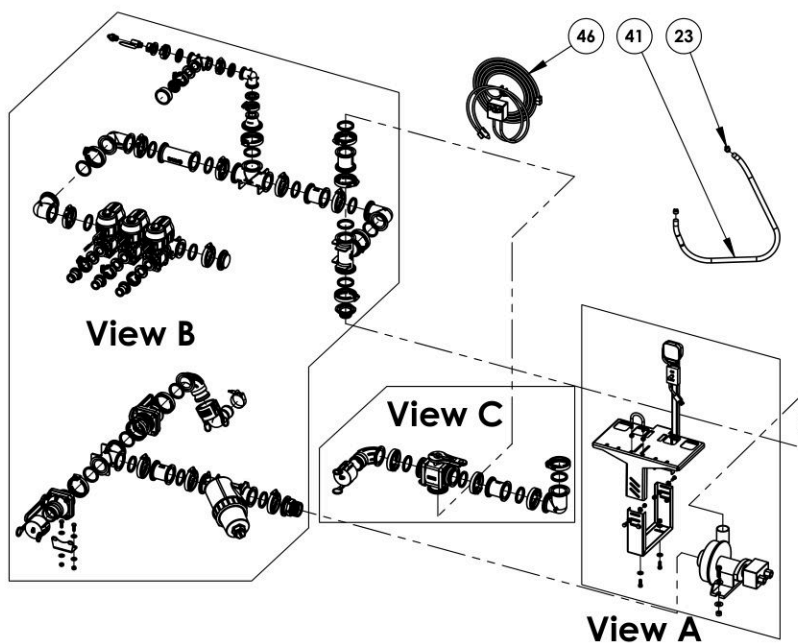
# ***HYDRAULIC NON GPS***



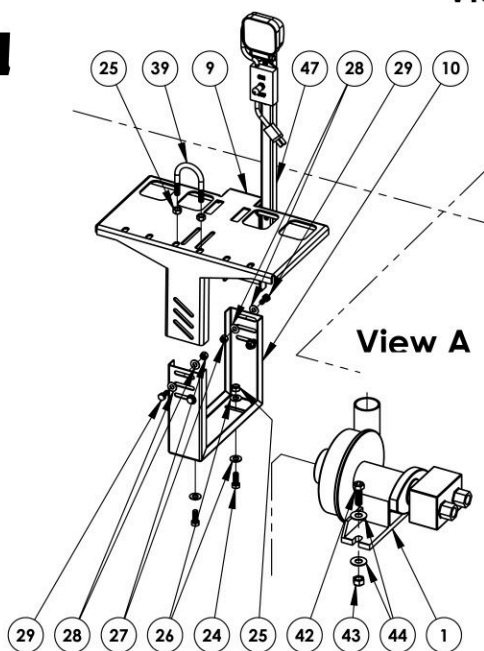
**ICE MASTER® T-SERIES**

## **HYDRAULIC NON GPS PLUMBING 2023**

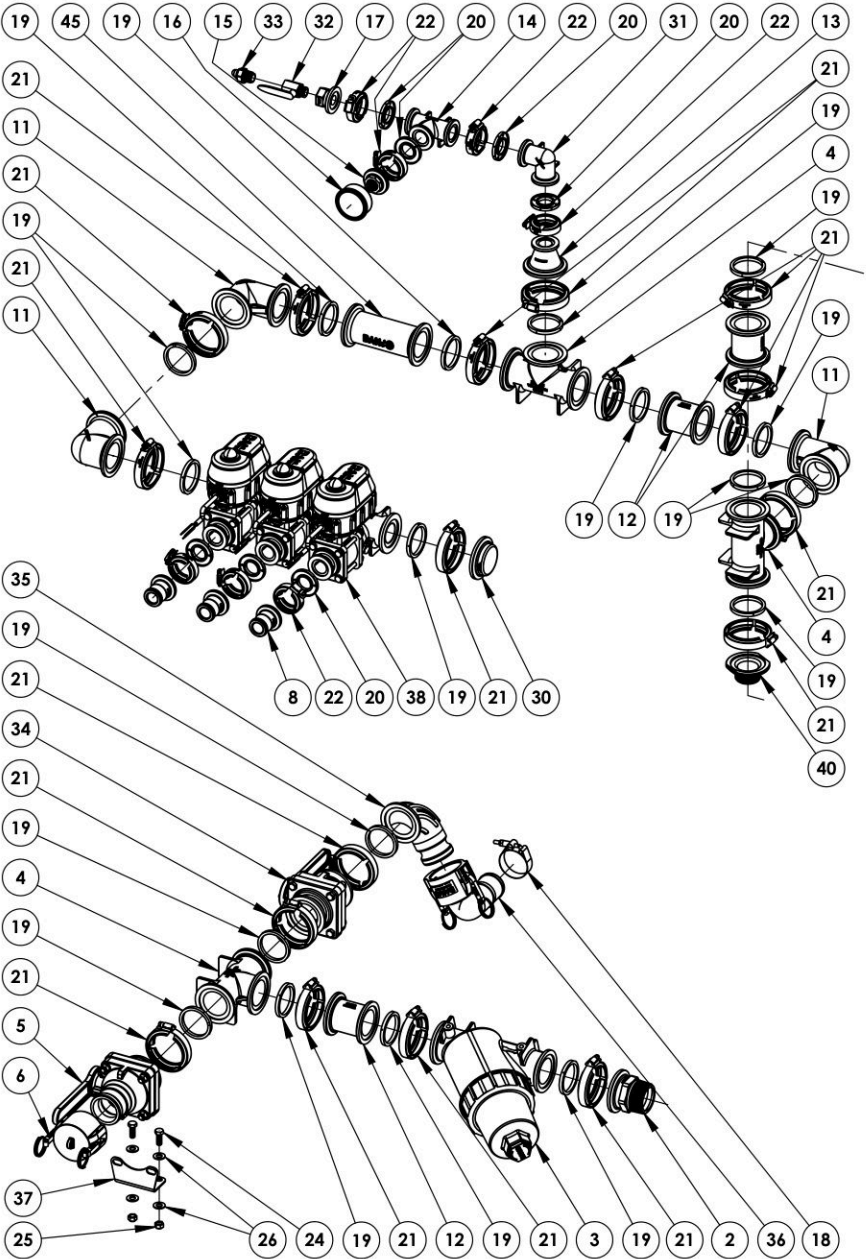
# OVERVIEW



## VIEW A

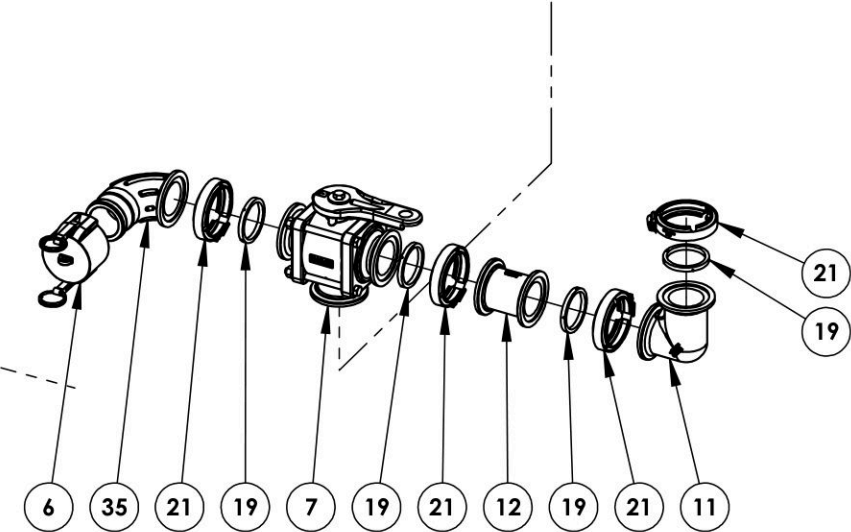


# VIEW B



**VIEW C**

ICE MASTER® T-SERIES



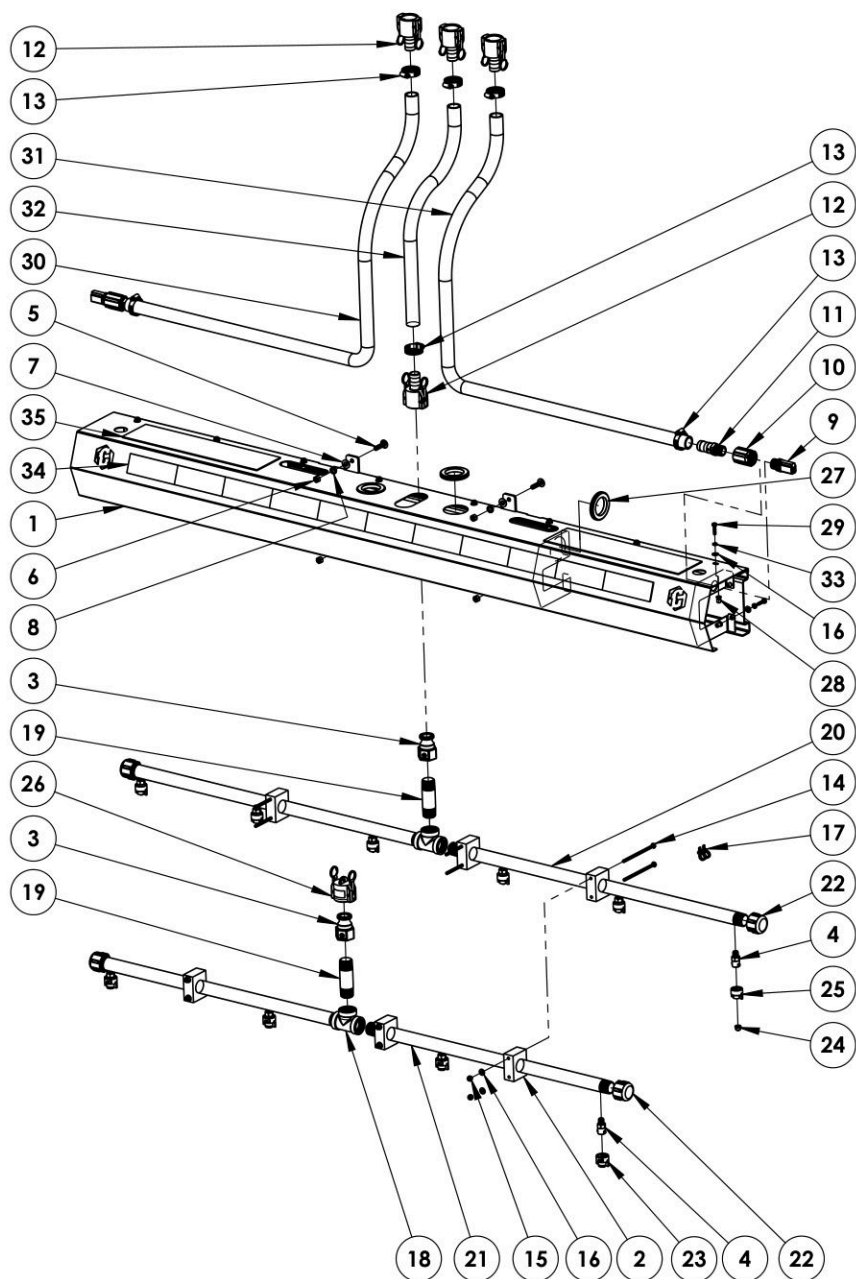
# PARTS LIST

| ITEM NO. | Part #         | DESCRIPTION                                     | QTY. |
|----------|----------------|-------------------------------------------------|------|
| 1        | APDC09HS       | SS Hydraulic pump                               | 1    |
| 2        | CBM220MPT      | 2-in FP Manifold x 2-in Male Thread             | 1    |
| 3        | CBMLS22216     | MLS222 Y-Strainer 16 Mesh                       | 1    |
| 4        | CBM220TEE      | 2 Manifold Tee - 220 Series                     | 3    |
| 5        | CBMVSF220FP    | 2-in FP Manifold x 2-in Male Adaptor            | 1    |
| 6        | CB200CAP       | 2-in Cap                                        | 2    |
| 7        | CBMV220BLSH    | 2" FP Bot Load Manifold Valve w/ SH Handle      | 1    |
| 8        | CBM100A        | 1" Flange x 1" Male Adapter                     | 3    |
| 9        | AZKF0027       | Deicing valve bracket wide top support          | 1    |
| 10       | AZKF0021       | Deicing Valve Bracket Base                      | 1    |
| 11       | CBM220CPG90    | 2" FP x 2" FP Manifold Coupling 90°             | 4    |
| 12       | CBM220CPG      | 2 x 2 Full Port Flange                          | 4    |
| 13       | CBM220100CPG   | 2" Full Port Flange x 1" Reducer Flange         | 1    |
| 14       | CBM100TEE      | 1" Manifold Tee                                 | 1    |
| 15       | CBM100PLG025   | 1 IN Flange x .25 FPT                           | 1    |
| 16       | CV2240GXB100   | Pressure gauge 100psi Glycerin filled           | 1    |
| 17       | CBM100050FPT   | 1 IN Flange x .5 IN Female Thread               | 1    |
| 18       | CBTC231        | 2" T-Bolt Hose Clamp 2.31 MIN                   | 1    |
| 19       | CBM221G        | 2" FP Manifold Gasket with Rib                  | 22   |
| 20       | CBM102G        | 1-in Manifold Gasket with Skirt                 | 7    |
| 21       | CBFC220        | 2 SS Flange Worm Screw Clamp                    | 22   |
| 22       | CBFC100        | 1" Worm Screw Flange Clamp                      | 7    |
| 23       | CFCC003        | Clamp for 1/2" Hose                             | 2    |
| 24       | CHBS030523     | 3-8" x 1" SS Hex Bolt                           | 4    |
| 25       | CHNSN0323      | 3/8" SS Nylock Nut                              | 6    |
| 26       | CHWSF033       | 3/8" SS Flat Washer                             | 8    |
| 27       | CHNSN0223      | 5-16 SS Nyloc Nut                               | 4    |
| 28       | CHWSF023       | 5/16" SS Flat Washer                            | 8    |
| 29       | CHBS020323     | 5-16 x .75 SS Bolt                              | 4    |
| 30       | CBM220PLG      | 2 IN Full Port Flange Plug                      | 1    |
| 31       | CBM100CPG90    | 1" Manifold Coupling 90                         | 1    |
| 32       | CVS34DZO       | .5 IN FPT x .5 IN MPT Ball Valve                | 1    |
| 33       | CBHB05090      | 1/2 MNPT x 1/2 Hose Shank 90                    | 1    |
| 34       | CBMVS220CF     | 2-in Full Port Stubby Manifold Valve            | 1    |
| 35       | CBM220ASWP90   | 2 inch Full Port Flange x Hose Shank Sweep      | 2    |
| 36       | CB200C90       | 90 Female coupling to hose shank                | 1    |
| 37       | CBV25271       | 90 degree Mounting Bracket                      | 1    |
| 38       | CBMEVX103A     | 3-bank electric Banjo Valve bolted with pin con | 1    |
| 39       | CHUS031234002  | 1.75 SS U-Bolt                                  | 1    |
| 40       | CBM220150MPTSS | 2 IN Full Port Flange x 1-1/2 inch MPT SS       | 1    |

# PARTS LIST

| ITEM NO. | Part #       | DESCRIPTION                                 | QTY. |
|----------|--------------|---------------------------------------------|------|
| 41       | CLUESB020002 | 1/2" hose (to hose reel)                    | 1    |
| 42       | CHAS050723   | 1/2" x 1-1/2" Stainless Hex Bolt All Thread | 2    |
| 43       | CHNSN0533    | 1/2" Nylock Nut 304 SS                      | 2    |
| 44       | CHWSF053     | 1/2 SS flat washer                          | 4    |
| 45       | CBM220CPG6   | 2 x 2 Full Port Flange x 6"                 | 1    |
| 46       | CEWCIM03     | 16 GA IM Wire Harness-3 toggle switch       | 1    |
| 47       | IMSLB01      | IMS T-series light kit                      | 1    |

# 12 NOZZLE BOOM OVERVIEW

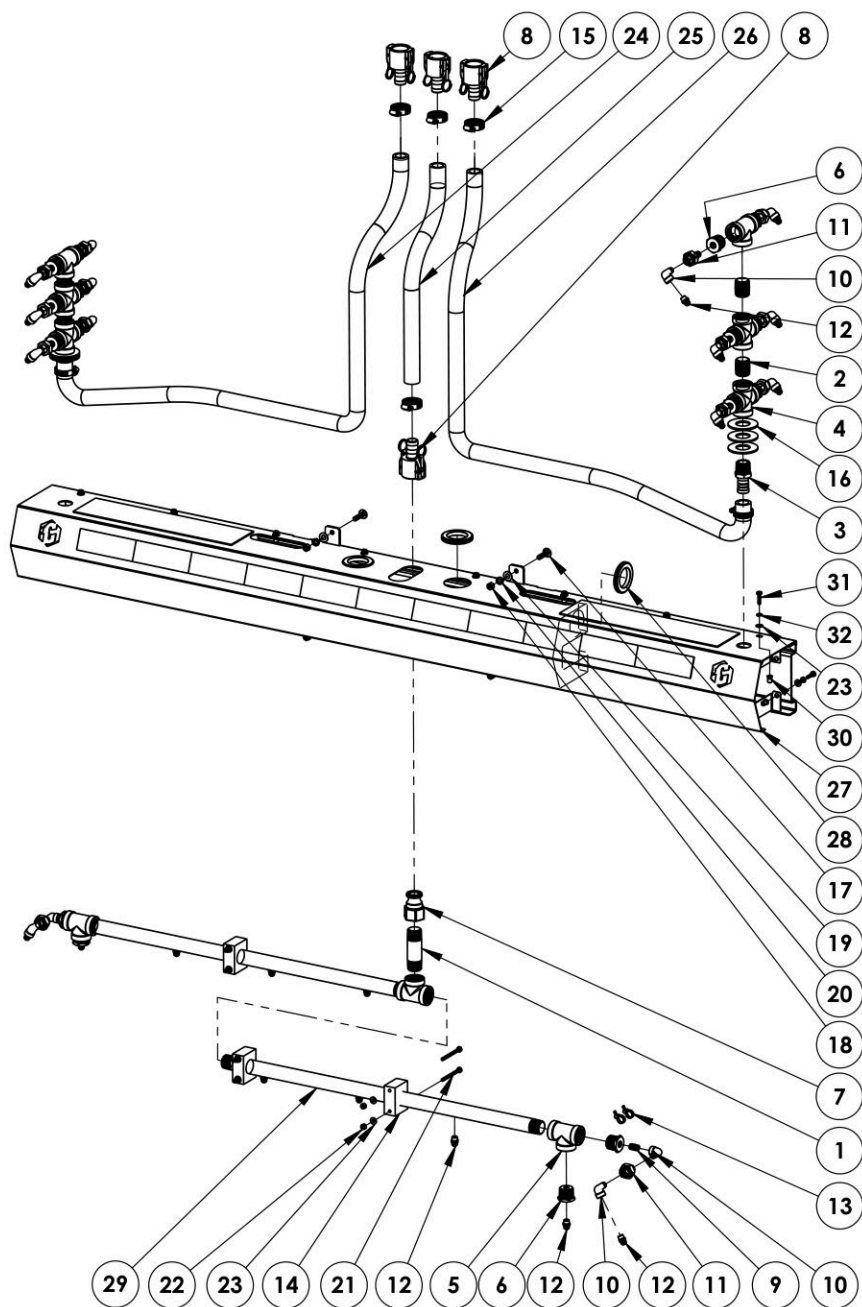


# PARTS LIST

| ITEM NO. | Part #         | DESCRIPTION                                              | QTY. |
|----------|----------------|----------------------------------------------------------|------|
| 1        | AZFP025        | SS Boom Shroud for T-series                              | 1    |
| 2        | AZFP015        | 1" Pipe Clamp                                            | 6    |
| 3        | CB100A         | 1" Male Adapter x 1" FNPT                                | 2    |
| 4        | CNST017        | TeeJet 1/4" NPT x BSPT Female Connection Adapter         | 10   |
| 5        | CHBS030723C    | 3/8" x 1-1/2" SS Carriage Bolt                           | 4    |
| 6        | CHNSH0323      | 3/8" SS Hex Nut                                          | 4    |
| 7        | CHWSF033       | 3/8" SS Flat Washer                                      | 4    |
| 8        | CHWSL033       | 3/8" SS Lock Washer                                      | 4    |
| 9        | CNSE001        | Boom Buster Mod. 370R Spray Nozzle                       | 2    |
| 10       | CBCPLG075      | 3/4" Poly Pipe Coupling                                  | 2    |
| 11       | CBHB075100     | 3/4 MNPT x 1 Hose Shank                                  | 2    |
| 12       | CB100C         | 1" Female Coupling x 1" Hose Shank                       | 4    |
| 13       | CFCW003        | Clamp For 1" Hose                                        | 6    |
| 14       | CHBS012123     | 1/4" x 5" Long 18-8 Stainless Hex Head Bolt              | 6    |
| 15       | CHNSN0123      | 1/4" Stainless Lock Nut                                  | 6    |
| 16       | CHWSF013       | 1/4" SS Flat Washer                                      | 23   |
| 17       | CXSC0002       | Cable Tie 8"                                             | 2    |
| 18       | CFST05F304     | 1" SS Tee                                                | 2    |
| 19       | CFSN05M05M17   | 1" x 4" Stainless Steel Nipple                           | 2    |
| 20       | CFSN05M05M360  | 1 IN x 37 IN Stainless Nipple                            | 2    |
| 21       | CFSN05M05M30.5 | 1 IN x 30.5 IN Stainless Nipple                          | 2    |
| 22       | CBCAP100       | 1 POLY PIPE CAP                                          | 4    |
| 23       | CNST008        | Teejet Tip-Extended Flat Spray                           | 4    |
| 24       | CNST025        | Teejet Tip, ST. STL solid stream 1.5GPM                  | 6    |
| 25       | CNST006        | 25608 REP. CAP CE Black & Washer                         | 6    |
| 26       | CB100125CAP    | 1" & 1.25" Camlock Cap                                   | 1    |
| 27       | CPFG16         | 2 inch ID Grommet                                        | 4    |
| 28       | CHNSR01218     | .25 Stainless Steel Rivet Nut                            | 17   |
| 29       | CHBS010523     | .25 x 1 SS Bolt                                          | 17   |
| 30       | CLUESB020005   | 1" Hose (To Boomless Nozzle)                             | 1    |
| 31       | CLUESB020005   | 1" Hose (To Boomless Nozzle)                             | 1    |
| 32       | CLUESB020005   | 1" Hose (Center Boom Hose)                               | 1    |
| 33       | CHWSL6063      | M6 STAINLESS STEEL SPLIT LOCK WASHER GRADE A2            | 17   |
| 34       | CTMT003        | 3M 983 Conspicuity Tape 2 inch x 6 inch Red/6 inch White | 7'   |
| 35       | CTMT007        | ANTISLIP TAPE 4 inch                                     | 4'   |



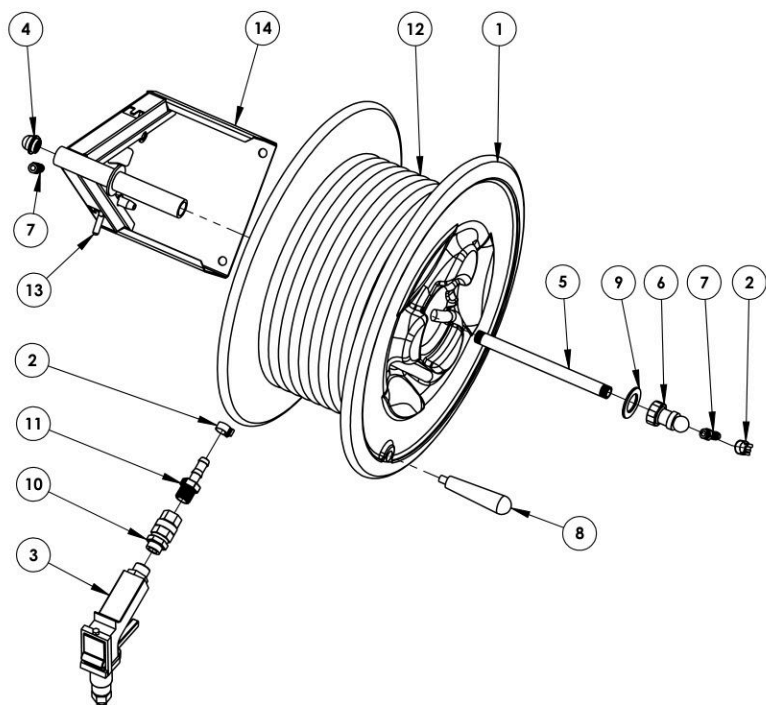
# 22 NOZZLE BOOM OVERVIEW



# PARTS LIST

| ITEM NO. | Part #          | DESCRIPTION                                              | QTY. |
|----------|-----------------|----------------------------------------------------------|------|
| 1        | CFSN05M05M17    | 1" x 4" Stainless Steel Nipple                           | 1    |
| 2        | CFSN05M05M12    | 1" x 1-1/2" Stainless Steel Nipple                       | 4    |
| 3        | CFSS05M05B304   | 1" MPT x 1" SS Hose Barb                                 | 2    |
| 4        | CFSCR05F304     | 1" Threaded SS Cross                                     | 4    |
| 5        | CFST05F304      | 1" SS Tee                                                | 5    |
| 6        | CFSRB05F00M304  | 1" x 1/4" SS Reducer Bushing                             | 16   |
| 7        | CB100A          | 1" Male Adapter x 1" FNPT                                | 1    |
| 8        | CB100C          | 1" Female Coupling x 1" Hose Shank                       | 4    |
| 9        | CFSN00M00M78304 | 1-4in NPT x 7-8in nipple SS                              | 14   |
| 10       | CFSE00F00M304   | 1/4" SS Street Elbow                                     | 16   |
| 11       | CFSU00F00F304   | 1/4" SS Union                                            | 14   |
| 12       | CNST019         | Teejet Tip ST. STL solid stream MPT 6 GPM                | 22   |
| 13       | CXSC0002        | Cable Tie 8"                                             | 2    |
| 14       | AZFPM015        | 1" Pipe Clamp                                            | 3    |
| 15       | CFCW003         | Clamp For 1" Hose                                        | 6    |
| 16       | CHWSF123        | 1.25 Stainless Washer                                    | 6    |
| 17       | CHBS030723C     | 3/8" x 1-1/2" SS Carriage Bolt                           | 4    |
| 18       | CHNSH0323       | 3/8" SS Hex Nut                                          | 4    |
| 19       | CHWSF033        | 3/8" SS Flat Washer                                      | 4    |
| 20       | CHWSL033        | 3/8" SS Lock Washer                                      | 4    |
| 21       | CHBS011323      | .25 x 3 IN 18-8 Stainless Hex Head Bolt                  | 6    |
| 22       | CHNSN0123       | 1/4" Stainless Lock Nut                                  | 6    |
| 23       | CHWSF013        | 1/4" SS Flat Washer                                      | 23   |
| 24       | CLUESB020005    | 1" Hose (To Driver Side Nozzles)                         | 1    |
| 25       | CLUESB020005    | 1" Hose (Center Boom Hose )                              | 1    |
| 26       | CLUESB020005    | 1" Hose (To Passenger Side Nozzles)                      | 1    |
| 27       | AZFPM025        | SS Boom Shroud for T-series                              | 1    |
| 28       | CPFG16          | 2 inch ID Grommet                                        | 4    |
| 29       | CFSN05M05M34    | 1 IN x 34 IN Nipple 304 SS                               | 2    |
| 30       | CHNSR01218      | .25 Stainless Steel Rivet Nut                            | 17   |
| 31       | CHBS010523      | .25 x 1 SS Bolt                                          | 17   |
| 32       | CHWSL6063       | M6 STAINLESS STEEL SPLIT LOCK WASHER GRADE A2            | 17   |
| 33       | CTMT003         | 3M 983 Conspicuity Tape 2 inch x 6 inch Red/6 inch White | 7'   |
| 34       | CTMT007         | ANTISLIP TAPE 4 inch                                     | 4'   |

# DEICING HOSE REEL

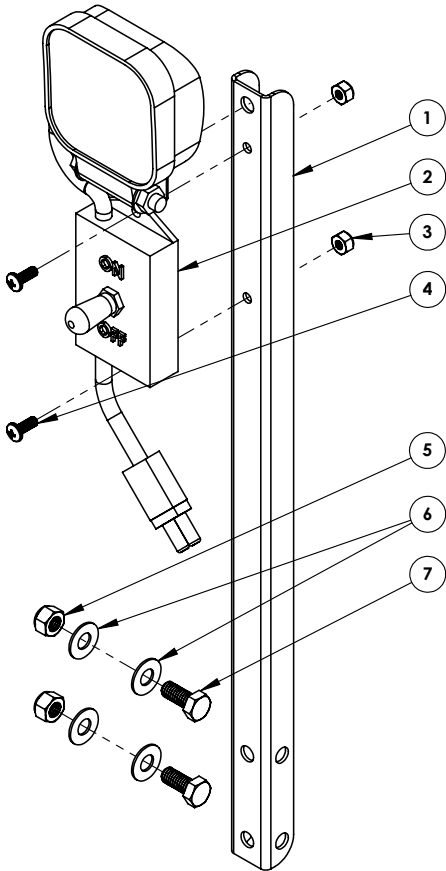
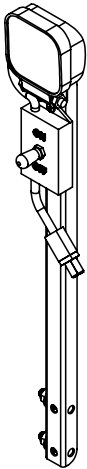


## PARTS LIST

| ITEM NO. | PART #       | DESCRIPTION                             | QTY. |
|----------|--------------|-----------------------------------------|------|
| 1        | AMAH01GY     | HR030/050 REEL ONLY                     | 1    |
| 2        | CFCC003      | Clamp for 1/2" Hose                     | 2    |
| 3        | CPLF01       | Heavy Duty Spray Gun STAL16-viton seals | 1    |
| 4        | CFRB06       | 1/4-3/8 BSP FEMALE ELBOW                | 1    |
| 5        | CFRB07       | STAINLESS PIPE 3/8 THREAD BOTH ENDS     | 1    |
| 6        | CFRB08       | 3/8 X 1/4 BALL BEARING SWIVEL           | 1    |
| 7        | CFRB09       | 1/4 MALE THREAD X 1/2 HOSE BARB         | 2    |
| 8        | CFRH03C      | PHENOIC TAPERED HANDLE                  | 1    |
| 9        | CHWZF105     | 1 SAE Flat Washer                       | 1    |
| 10       | CFBW04M04FB  | .5 M BSP - .5 F NPT Heavy Duty Swivel   | 1    |
| 11       | CFPS02M02B   | 1/2 MNPT x 1/2 Hose Barb                | 1    |
| 12       | CLUESB020002 | 1/2 EPDM HOSE - 50"                     | 1    |
| 13       | AZKH0018     | Lock for Small Hose Reel                | 1    |
| 14       | AZKH0003SS   | 3ASR03B HR FRAME 304 SS                 | 1    |

# LIGHT KIT

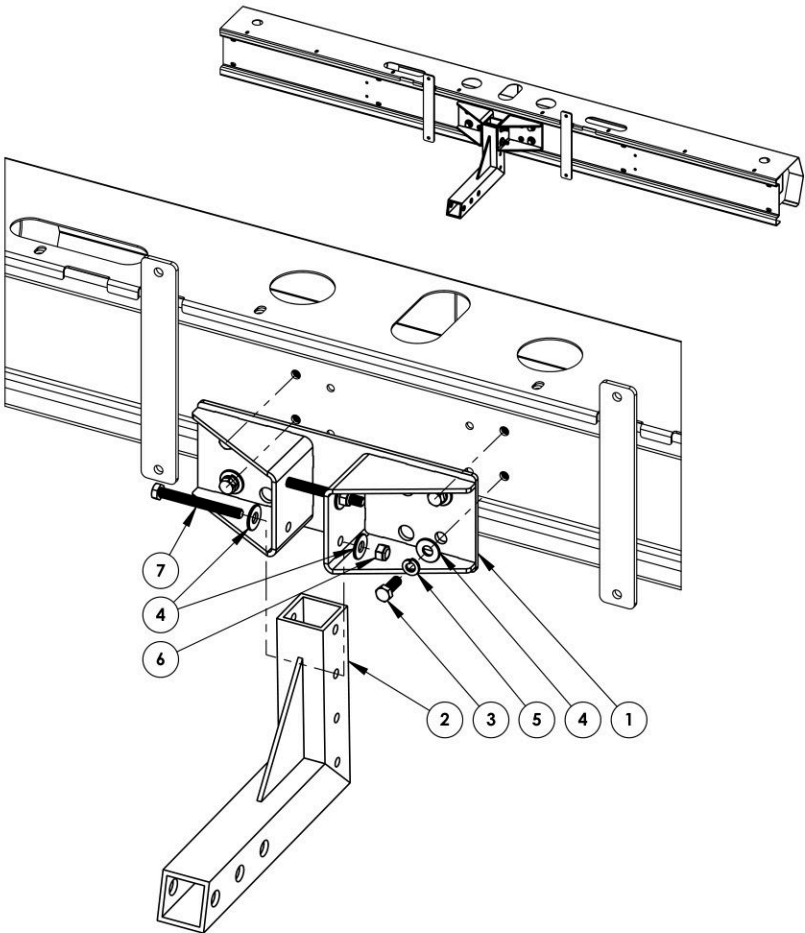
| ITEM NO. | Part #     | DESCRIPTION                         | QTY. |
|----------|------------|-------------------------------------|------|
| 1        | AZKF0020   | 3 bank electric valve light bracket | 1    |
| 2        | CEWCIM05   | Light Wire Harness IMS              | 1    |
| 3        | CHNSN903   | 10-32 18-8 SS LOCKNUT               | 2    |
| 4        | CHMS900213 | 10-32 - 1/2 Pan head screw          | 2    |
| 5        | CHNSN0223  | 5-16 SS Nyloc Nut                   | 2    |
| 6        | CHWSF023   | 5/16" SS Flat Washer                | 4    |
| 7        | CHBS020323 | 5-16 x .75 SS Bolt                  | 2    |



ICE MASTER® T-SERIES

# ADJUSTABLE RECEIVER HITCH

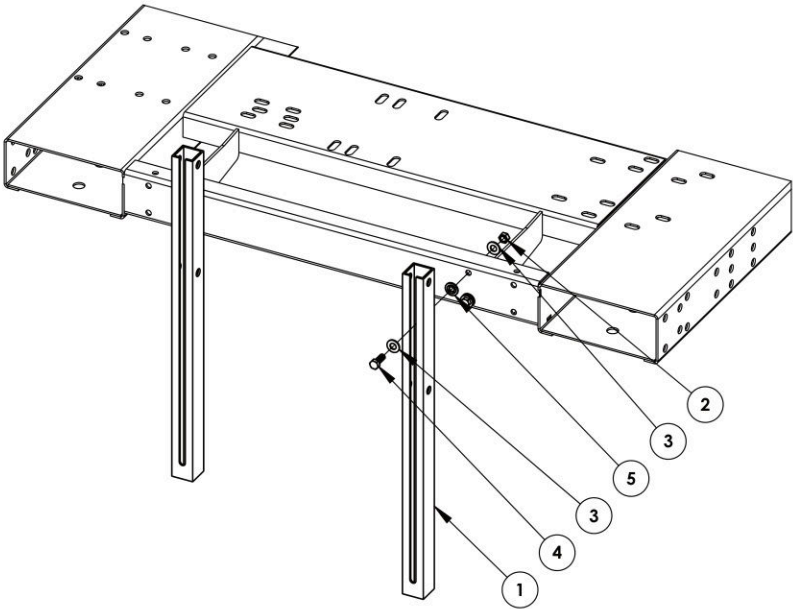
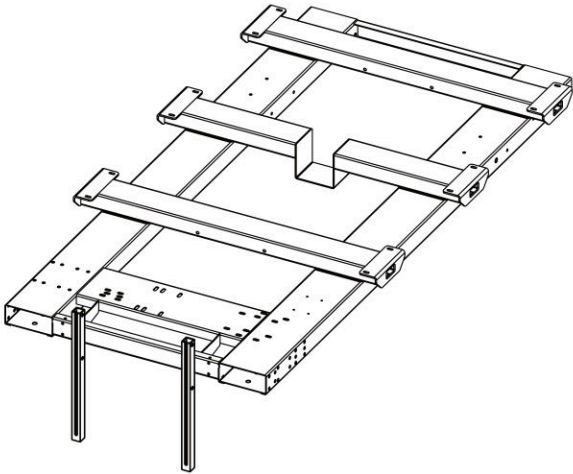
| ITEM NO. | Part #     | DESCRIPTION                        | QTY. |
|----------|------------|------------------------------------|------|
| 1        | AZKI017    | Adj Rec hitch U - Bracket          | 1    |
| 2        | AZKI018    | Adj Rec Hitch Tube                 | 1    |
| 3        | CHBS030523 | 3-8" x 1" SS Hex Bolt              | 4    |
| 4        | CHWSF033   | 3/8 SS Flat washer                 | 8    |
| 5        | CHWSL033   | 3/8" SS Lock Washer                | 4    |
| 6        | CHNSN0323  | 3/8" SS Nylock Nut                 | 2    |
| 7        | CHBS031523 | 3/8-16 X 3-1/2 SS ALL THREAD BOLTS | 2    |



1. Attach item #1 to the back of boom shroud using qty four item #'s 3, 5, & 4.  
(there is a weld nut on the inside of the shroud to fasten into)
2. Attach item #2 into item #1 in your desired height setting using item #'s 7, 4, & 6.  
Tighten up bolts securely.

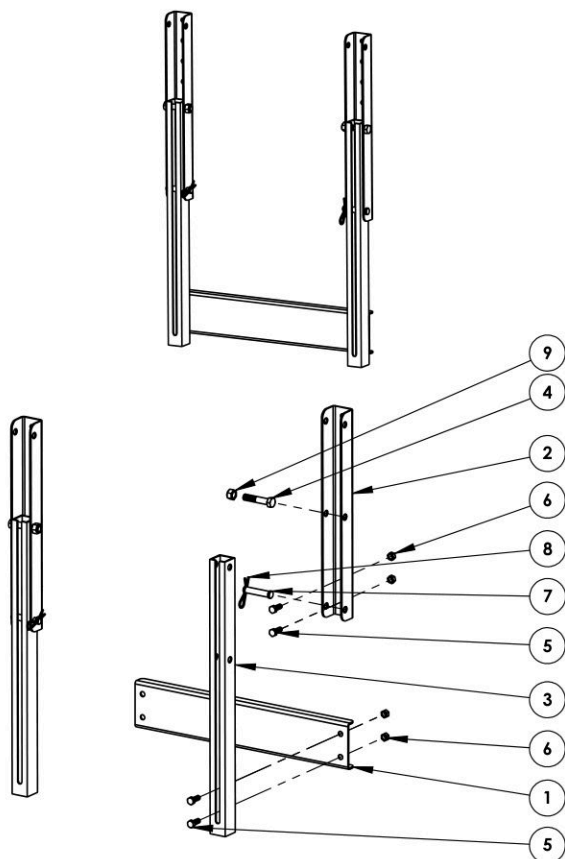
# ADJUSTABLE BOOM BRACKET

| ITEM NO. | Part #     | DESCRIPTION                              | QTY. |
|----------|------------|------------------------------------------|------|
| 1        | AZKB0005SS | 23.75" Stainless Steel Adj. Boom Bracket | 2    |
| 2        | CHNSN0323  | 3/8" SS Nylock Nut                       | 4    |
| 3        | CHWSF033   | 3/8" SS Flat Washer                      | 8    |
| 4        | CHBS030523 | 3-8" x 1" SS Hex Bolt                    | 4    |
| 5        | CHWNR03    | Self retaining washer for 3/8 and M9     | 4    |



ICE MASTER® T-SERIES

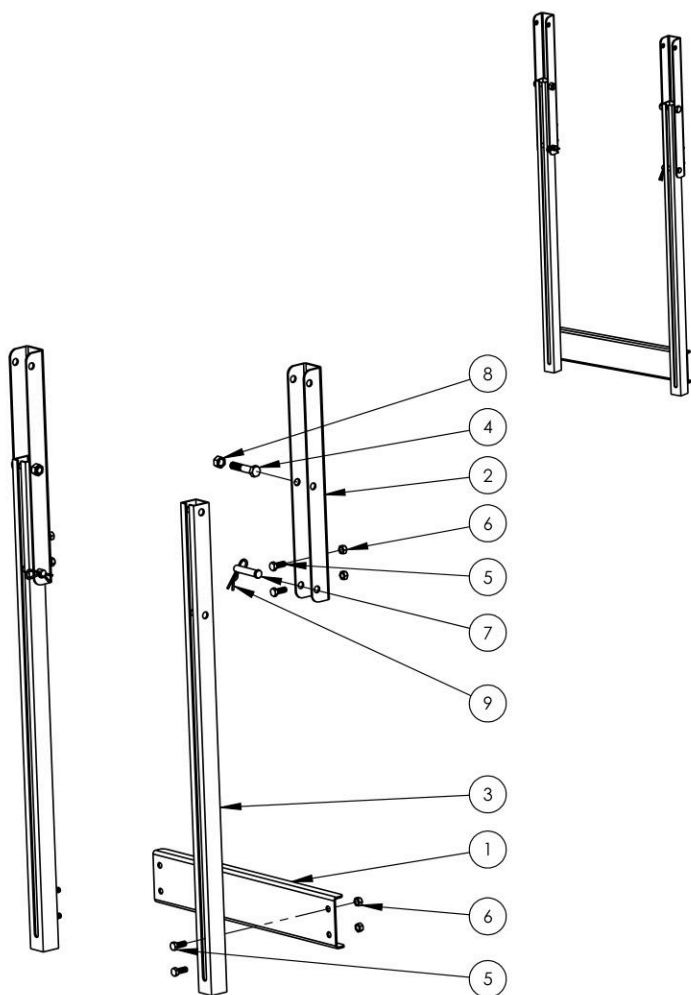
# 24" FOLDING BOOM BRACKET



| ITEM NO. | Part #      | DESCRIPTION                                  | QTY. |
|----------|-------------|----------------------------------------------|------|
| 1        | CSLC461     | Cross Support for Folding Boom tubes         | 1    |
| 2        | CSLC462     | Adj Folding Boom Fstng Bracket               | 2    |
| 3        | AZKB0005SS  | 23.75" Stainless Steel Adj. Boom Bracket     | 2    |
| 4        | CHBS051123  | 2.5 IN x .5 IN Stainless bolt                | 2    |
| 5        | CHBS030523  | 3-8" x 1" SS Hex Bolt                        | 8    |
| 6        | CHNSN0323   | 3/8" SS Nylock Nut                           | 8    |
| 7        | CHCS0509618 | Clevis Pin .5 IN Dia x 2 IN Length Stainless | 2    |
| 8        | CHCZ0009    | 3-32 x 1 IN cotter pin Stainless             | 2    |
| 9        | CHNSN0533   | 1/2" Nylock Nut 304 SS                       | 2    |

# 38" FOLDING BOOM BRACKET

ICE MASTER® T-SERIES

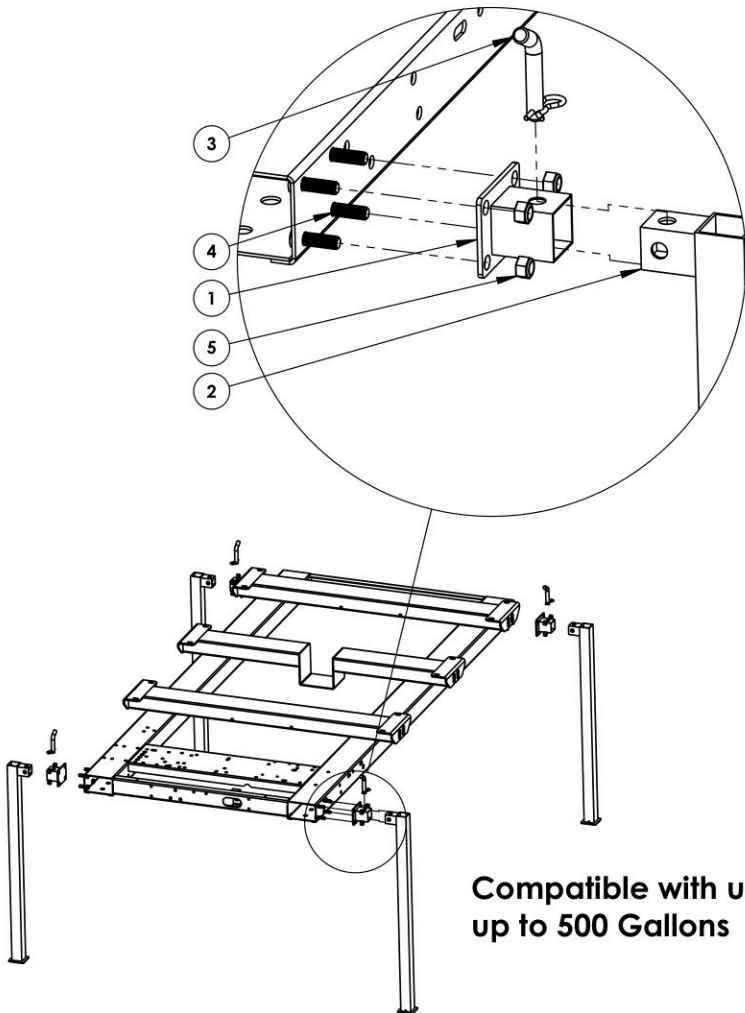


| ITEM NO. | Part #      | DESCRIPTION                                  | QTY. |
|----------|-------------|----------------------------------------------|------|
| 1        | CSLC461     | Cross Support for Folding Boom tubes         | 1    |
| 2        | CSLC462     | Adj Folding Boom Fstng Bracket               | 2    |
| 3        | AZKB0006SS  | 38 Adjustable Boom Bracket                   | 2    |
| 4        | CHBS051123  | 2.5 IN x .5 IN Stainless bolt                | 2    |
| 5        | CHBS030523  | 3-8" x 1" SS Hex Bolt                        | 8    |
| 6        | CHNSN0323   | 3/8" SS Nylock Nut                           | 8    |
| 7        | CHCS0509618 | Clevis Pin .5 IN Dia x 2 IN Length Stainless | 2    |
| 8        | CHNSN0533   | 1/2" Nylock Nut 304 SS                       | 2    |
| 9        | CHCZ0009    | 3-32 x 1 IN coffer pin Stainless             | 2    |



# STORAGE STAND

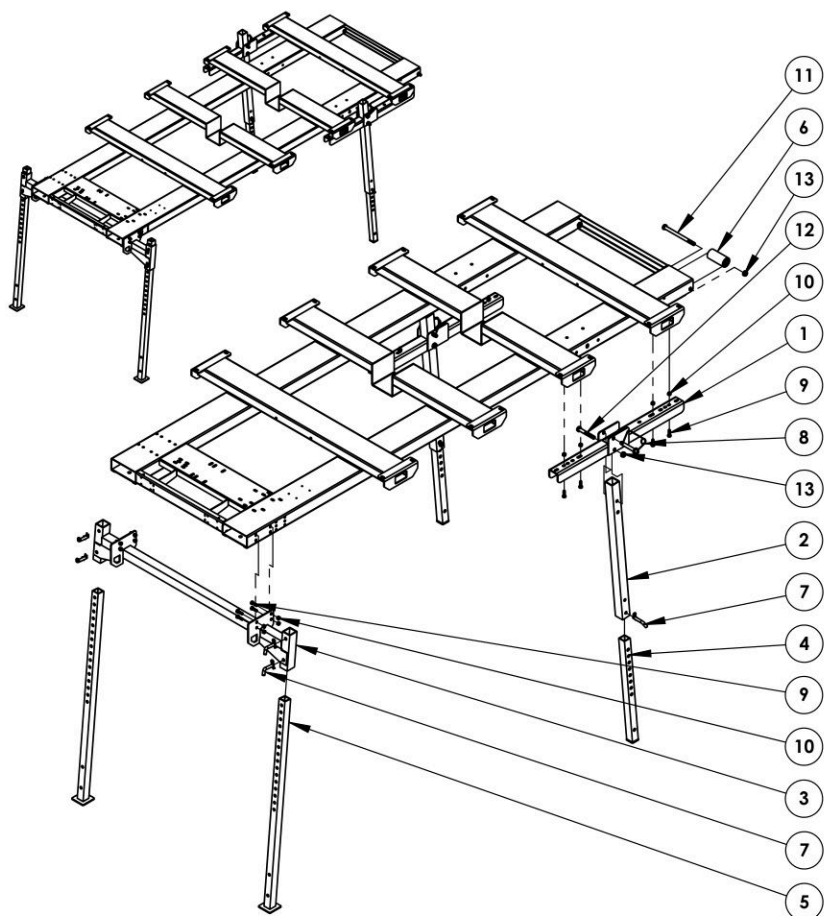
| ITEM NO. | Part #     | DESCRIPTION                                 | QTY. |
|----------|------------|---------------------------------------------|------|
| 1        | AZKI001    | IMS Leg Stand Sleeve                        | 4    |
| 2        | AZKI002    | IMS Leg Stand Leg                           | 4    |
| 3        | CV722HP    | 5/8 x 3 Bent Hitch Pin                      | 4    |
| 4        | CHAS050723 | 1/2" x 1-1/2" Stainless Hex Bolt All Thread | 16   |
| 5        | CHNSN0533  | 1/2 Nylock Nut 304 SS                       | 16   |



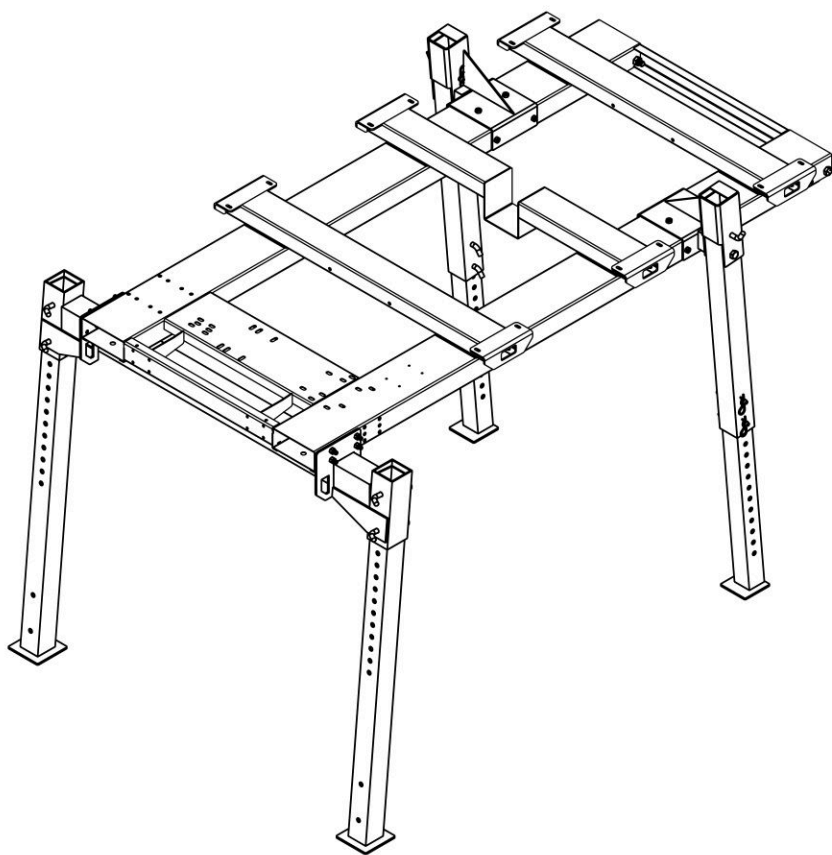
Compatible with units  
up to 500 Gallons

# SELF-LOADING LEGSTAND

| ITEM NO. | Part #      | DESCRIPTION                                 | QTY. |
|----------|-------------|---------------------------------------------|------|
| 1        | AZKI003     | Front Leg Bracket                           | 2    |
| 2        | AZKI004     | Front upper leg                             | 2    |
| 3        | AZKI005     | Rear Bracket                                | 1    |
| 4        | AZKI006     | Bottom Leg                                  | 2    |
| 5        | AZKI019     | Rear Adj Leg                                | 2    |
| 6        | AZKIR001    | Roller wheel for IMSLS02 Folding Leg Kit    | 2    |
| 7        | CV722HP     | 5/8 x 3 Bent Hitch Pin                      | 6    |
| 8        | CV712HP     | .75 IN x 4.25 IN snap Lock Hitch Pin        | 2    |
| 9        | CHAS050723  | 1/2" x 1-1/2" Stainless Hex Bolt All Thread | 16   |
| 10       | CHNSN0533   | 1/2" Nylock Nut 304 SS                      | 16   |
| 11       | CHBZ089525  | .75inch 10.5 inch zinc plated bolt          | 2    |
| 12       | CHBS0821218 | 3/4" x 5" SS bolt                           | 2    |
| 13       | CHNSN08218  | 3/4" SS NYLON LOCK NUT 18-8(304)            | 4    |



# ***HEAVY DUTY SELF- LOADING LEGSTAND***

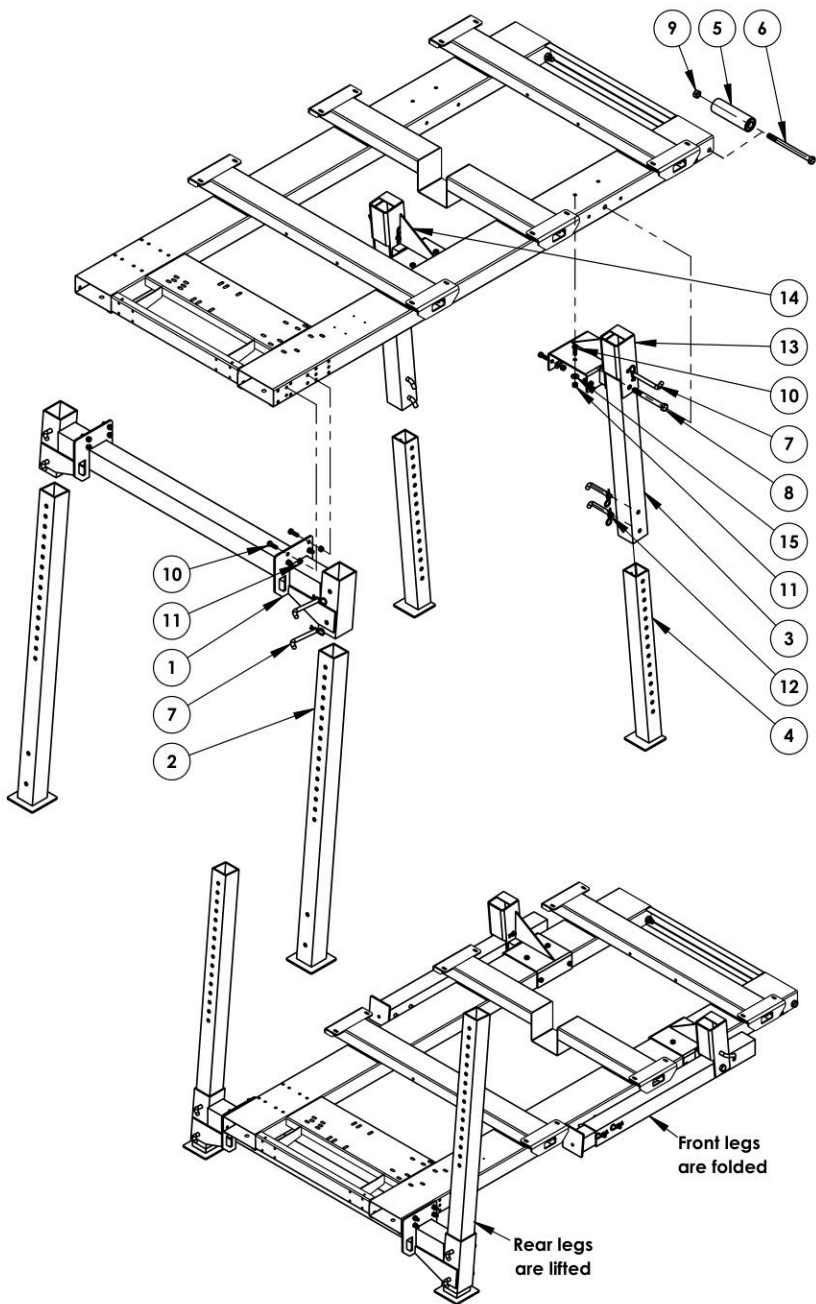


**ICE MASTER® T-SERIES**

**Compatible with Frames 500 and larger**

# HEAVY DUTY SELF-LOADING LEGSTAND

ICE MASTER® T-SERIES



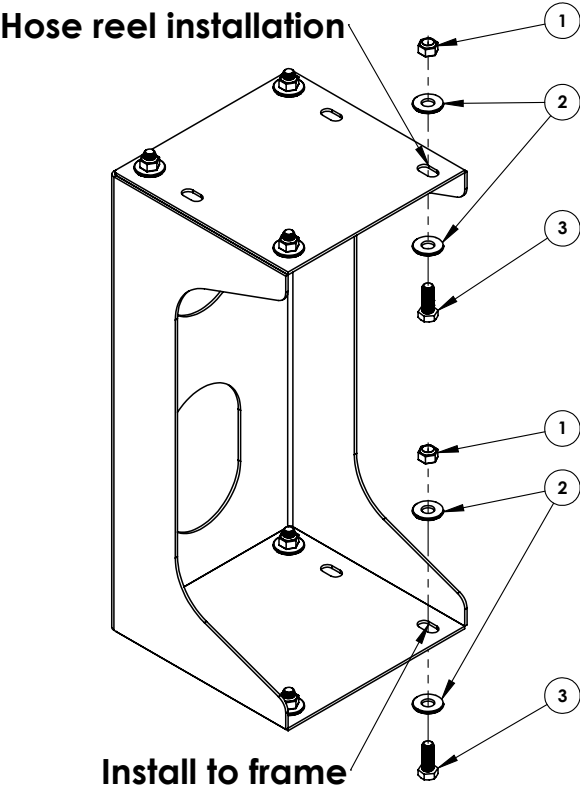
# PARTS LIST

| ITEM NO. | Part #      | DESCRIPTION                                 | QTY. |
|----------|-------------|---------------------------------------------|------|
| 1        | AZKI022     | IMS Rear Leg Bracket for 4 IN Kit           | 1    |
| 2        | AZKI025     | IMS Rear Adj Leg for 4 IN Kit               | 2    |
| 3        | AZKI024     | IMS Front Upper Leg for 4 IN Kit            | 2    |
| 4        | AZKI023     | IMS Front Adj Leg for 4 IN Kit              | 2    |
| 5        | AZKIR001    | Roller wheel for IMSLS02 Folding Leg Kit    | 2    |
| 6        | CHBZ089525  | .75inch 10.5 inch zinc plated bolt          | 2    |
| 7        | CHCS0621618 | 5-8 x 5 Bent Hitch Pin                      | 6    |
| 8        | CHBS0829218 | .75inch 7 inch SS bolt                      | 2    |
| 9        | CHNSN08218  | 3/4" SS NYLON LOCK NUT 18-8(304)            | 4    |
| 10       | CHAS050723  | 1/2" x 1-1/2" Stainless Hex Bolt All Thread | 20   |
| 11       | CHNSN0533   | 1/2" Nylock Nut 304 SS                      | 20   |
| 12       | CHCS0617618 | SS Bent-Pull Clevis Pin, 5/8" x 4 inch      | 4    |
| 13       | AZKI026     | IMS Folding Leg PS Front Brkt 4 IN Kit      | 1    |
| 14       | AZKI027     | IMS Folding Leg DS Front Brkt 4 IN Kit      | 1    |
| 15       | CHWSF053    | 1/2 SS flat washer                          | 12   |

# HOSE REEL BRACKET RISER

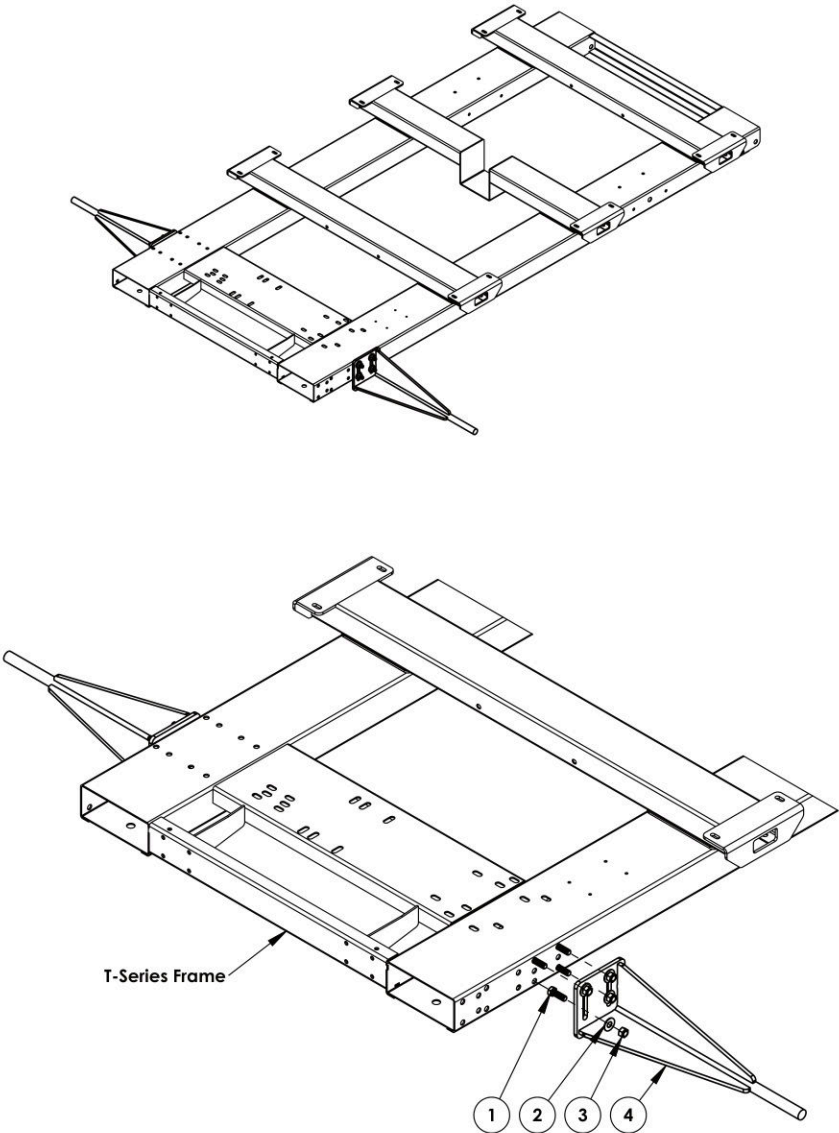
| ITEM NO. | PART #     | DESCRIPTION             | QTY. |
|----------|------------|-------------------------|------|
| 1        | CHNSN0323  | 3/8" SS Nylock Nut      | 8    |
| 2        | CHWSF033   | 3/8 SS Flat washer      | 16   |
| 3        | CHBS030523 | 3-8" x 1" SS Hex Bolt   | 8    |
| 4        | AZKH0020   | Hose Reel Bracket Riser | 1    |

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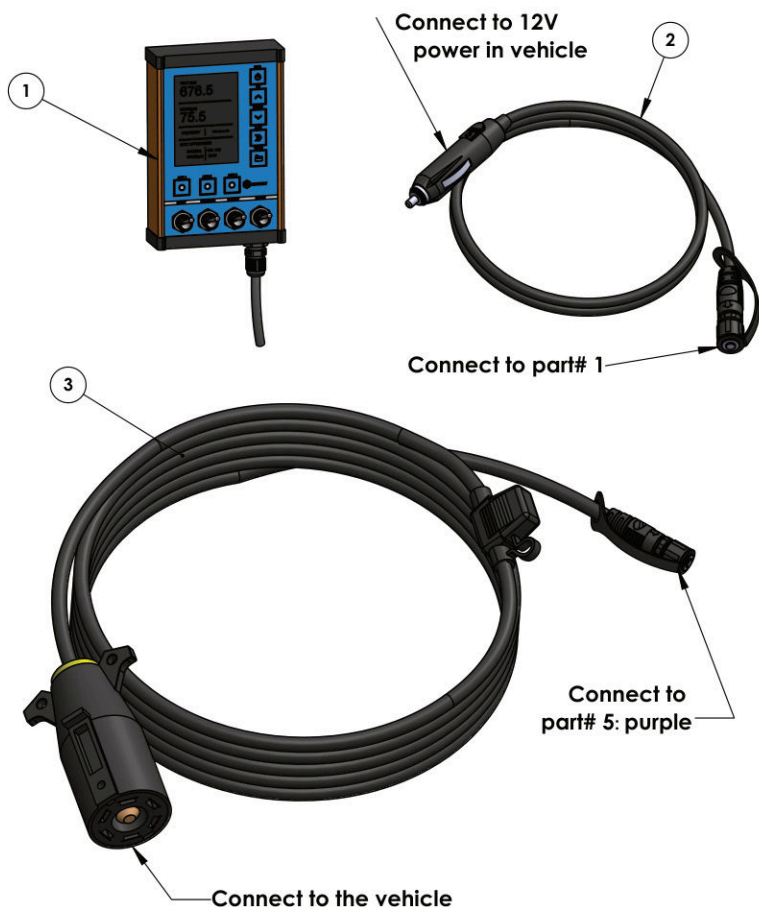
# HITCH PIN BRACKET ASSEMBLY

| ITEM NO. | Part #     | DESCRIPTION                                           | QTY. |
|----------|------------|-------------------------------------------------------|------|
| 1        | CHBS050723 | .5 x 1.5 IN 18-8 Stainless Hex Head Bolt              | 8    |
| 2        | CHWSF053   | 1/2 SS flat washer                                    | 8    |
| 3        | CHNSN0533  | 1/2" Nylock Nut 304 SS                                | 8    |
| 4        | AZKI008    | Tail Gate Locking Pin Bracket Stainless Steel L&R Set | 1    |



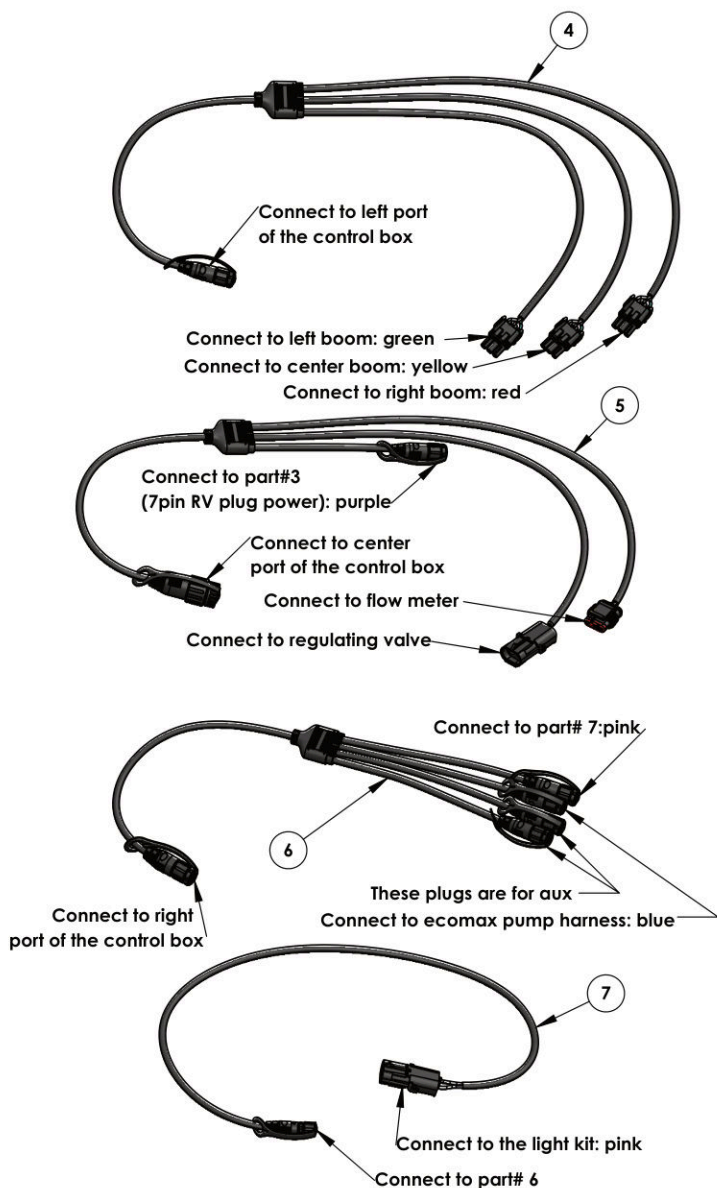
# STORM COMMANDER HARNESS COMPONENTS

| ITEM NO. | PART # | DESCRIPTION                 | QTY. |
|----------|--------|-----------------------------|------|
| 1        | CEC063 | SC InCab Ctrl               | 1    |
| 2        | CEC064 | SC Pwr Cord InCab Ctrl      | 1    |
| 3        | CEC066 | SC Pwr Cord Receiver        | 1    |
| 4        | CEC067 | SC Pwr Cable 3 Sec Boom     | 1    |
| 5        | CEC068 | SC Ctrl Cable FM-Valve      | 1    |
| 6        | CEC069 | SC Ctrl Cable Aux Pwr Split | 1    |
| 7        | CEC070 | SC Aux Pwr Cable WP Plug    | 1    |





# STORM COMMANDER HARNESS COMPONENTS



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# WARRANTY

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