



SINCE 1932

Operator Manual

Water Truck Off Road Rigid



Curry Supply Co., 1477 Degol Industrial Drive, Hollidaysburg, PA 16648

YOUR JOBS. OUR TRUCKS.



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SECTION 1

Introduction & Safety Messages

CONTACT US

Curry Supply Company

1477 Degol Industrial Drive, Hollidaysburg, PA 16648

service@currysupply.com CurrySupply.com

Parts 800.567.5127

Warranty Service 800.345.2829

MANUAL USAGE

This Operators Manual contains information to safely operate more than (1) configuration of "Curry Supply Rigid Off-Road Water Trucks". The parts shown may not reflect the exact configuration on your truck. "Custom" style trucks may have parts not listed. If your system is not covered in this manual, please contact Curry Supply Co. Support at 800.345.2829 or service@currysupply.com.

All personnel working on or operating the machine must become familiar with the following safety messages.

Due to the nature of these processes, ensure that all safety information, warnings, and instructions are read and understood before any operation or maintenance procedures are performed.

This manual does not supersede any local, state, or federal laws.

WARNING, CAUTION, AND NOTES

The following definitions are found throughout this manual and apply as follows:

WARNING

OPERATING PROCEDURES AND TECHNIQUES
COULD RESULT IN PERSONAL INJURY OR LOSS
OF LIFE IF NOT FOLLOWED CORRECTLY.

CAUTION

OPERATING PROCEDURES AND TECHNIQUES
WHICH COULD RESULT IN DAMAGE TO
EQUIPMENT IF NOT FOLLOWED CORRECTLY.

NOTE

OPERATING PROCEDURES AND TECHNIQUES
THAT ARE CONSIDERED ESSENTIAL TO
EMPHASIZE.

WARNING

IMPROPER USE OF EQUIPMENT
COULD CAUSE SERIOUS INJURY OR
DEATH. PLEASE READ AND
UNDERSTAND ALL INSTRUCTIONS.



WARNING

WHEN OPERATING OR WORKING
ON THE UNIT, KEEP HANDS AND
BODY PARTS CLEAR OF PINCH
POINTS.



WARNING

CONTACT WITH LIVE
ELECTRICAL CIRCUITS COULD
DAMAGE EQUIPMENT OR CAUSE
INJURY.



WARNING

MOVING PARTS CAN CRUSH
AND CUT. KEEP HANDS, FEET,
HAIR, AND LOOSE CLOTHING
AWAY FROM MOVING PARTS.



CAUTION

ADVERSE WEATHER CONDITIONS
CAN CAUSE EQUIPMENT DAMAGE.
WHENEVER POSSIBLE, PERFORM
MAINTENANCE INDOORS.



WARNING

ALWAYS WEAR THE PROPER PPE
WHILE OPERATING THE UNIT.



WARNING

DO NOT OPERATE THE UNIT WHILE
INTOXICATED OR EXTREMELY
EXHAUSTED.



WARNING

DO NOT WALK ON TOP OF THE
VEHICLE. FALLING FROM
VEHICLE CAN RESULT IN
SERIOUS INJURY.



CAUTION

DRAIN ALL WATER DAILY DURING
FREEZING TEMPERATURES.
FREEZING WATER CAN RESULT IN
DAMAGE TO EQUIPMENT.



WARNING

HIGH PRESSURE WATER. DO
NOT OPERATE THE SPRAY
VALVES OR CANNON UNTIL
ALL THE PERSONNEL ARE AT A
SAFE DISTANCE FROM THE
VEHICLE.



WARNING

THE VEHICLE IS EQUIPPED WITH A
BACK-UP ALARM. ALARM MUST
SOUND WHEN OPERATING THIS
VEHICLE IN REVERSE.



WARNING

ALWAYS WEAR YOUR SAFETY
BELT WHILE DRIVING THE VEHICLE.
IF VEHICLE TIPS, STAY BUCKLED
AND INSIDE OF CAB AREA.



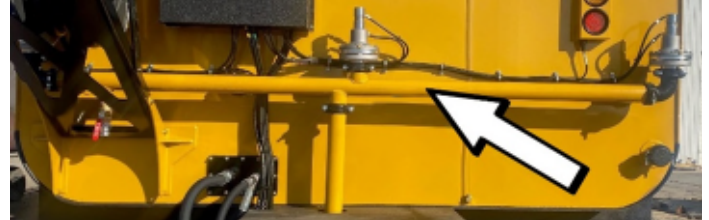
SECTION 2

System Descriptions

SIDE VIEW OF TRUCK EXAMPLE



SPRAY BAR



Located on the Rear and Front (optional) of the vehicle, this transfers water from the tank to the spray heads.

REAR VIEW OF TRUCK EXAMPLE



SPRAY HEADS



Located on the spray bars and top front of the water tank, this is where water sprays from.

FRONT VIEW OF WATER TANK EXAMPLE



FILL TUBE



Located on either the front or rear of the water tank, this tube is used to fill the tank with water. The valve on the bottom will attach to a hose, with the other end attached to a water source.

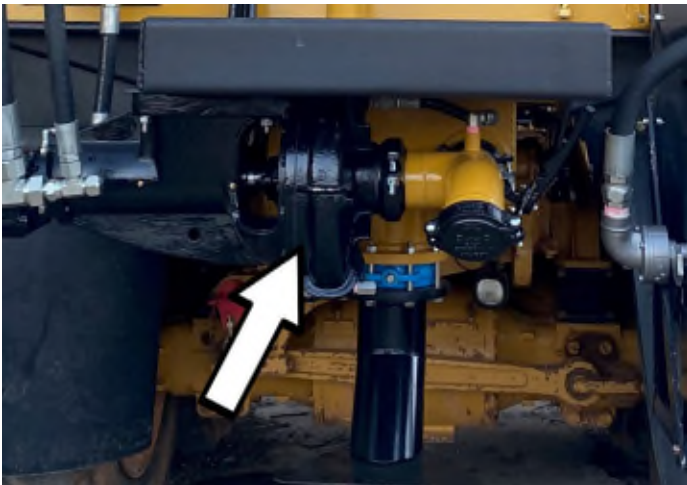
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WATER TANK FILL OPENING



Located on top of the tank, this is where water enters the tank by either hydrant fill or a water dump.

WATER PUMP



Located under the rear of the water tank, this pumps water through the tank and spray heads.

HOSE REEL



Located on the rear of the water tank, equipped with a 50' 1-1/2" (black) or 50' 1" (red) hose.

HOSE NOZZLE



Located on the end of the hose, water spray is controlled by a twist head control.

DUMP VALVE



Located on the rear, under the water tank, this will drain all water from the tank.

SIGHT TUBE INDICATOR



Located on the rear of the water tank, this is a clear tube that displays the water level inside the water tank.

TOUCHPAD CONTROLLER



Located inside the cab, this allows the operator to control different modules installed on the truck.

WATER CANNON (if installed)

The water Cannon (if installed) is located on top, between the water tank and cab. The direction of the cannon is controlled by a joystick in the cab.



SECTION 3

Normal Operations

This section provides the vehicle operator with step-by-step operating procedures for the installed systems. A quick reference operations card will be supplied and placed into the cab.

Prior to any operation, please perform a walk around inspection of the vehicle. Check specifically for any leaks or broken hoses.

VALVE OPERATION

Valves can be opened or closed by hand to allow or restrict water flow.

OPEN – Handle aligns with the tube or hose.

CLOSED – Handle is perpendicular, or at 90 degrees, with the tube or hose.



TANK FILLING OPERATIONS

CAUTION

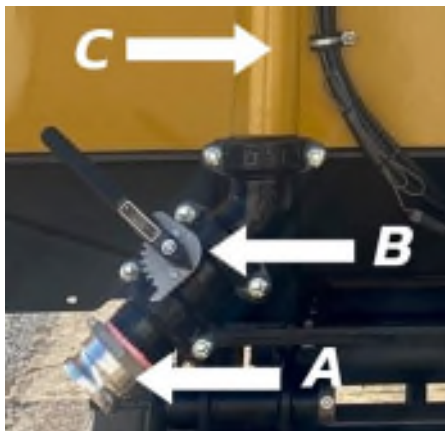
FILL TANK WITH FRESH NON-POTABLE WATER ONLY. SALTWATER AND OTHER CHEMICALS COULD DAMAGE THE TANK INTERIOR COATING

HYDRANT TANK FILL

1. Ensure that the truck is in park and parking brake is ON.
2. Ensure the tank fill opening is clear of obstruction.



3. Connect the hose from the water source to the hydrant fill tube connector (A).



4. Rotate the fill valve handle (B) to "OPEN".
5. Turn the water ON from the water source.
6. Water will begin to flow through the fill tube (C) and into the fill hole on top of the tank. The operator can view the water level by viewing the clear sight tube located on the rear of the tank.



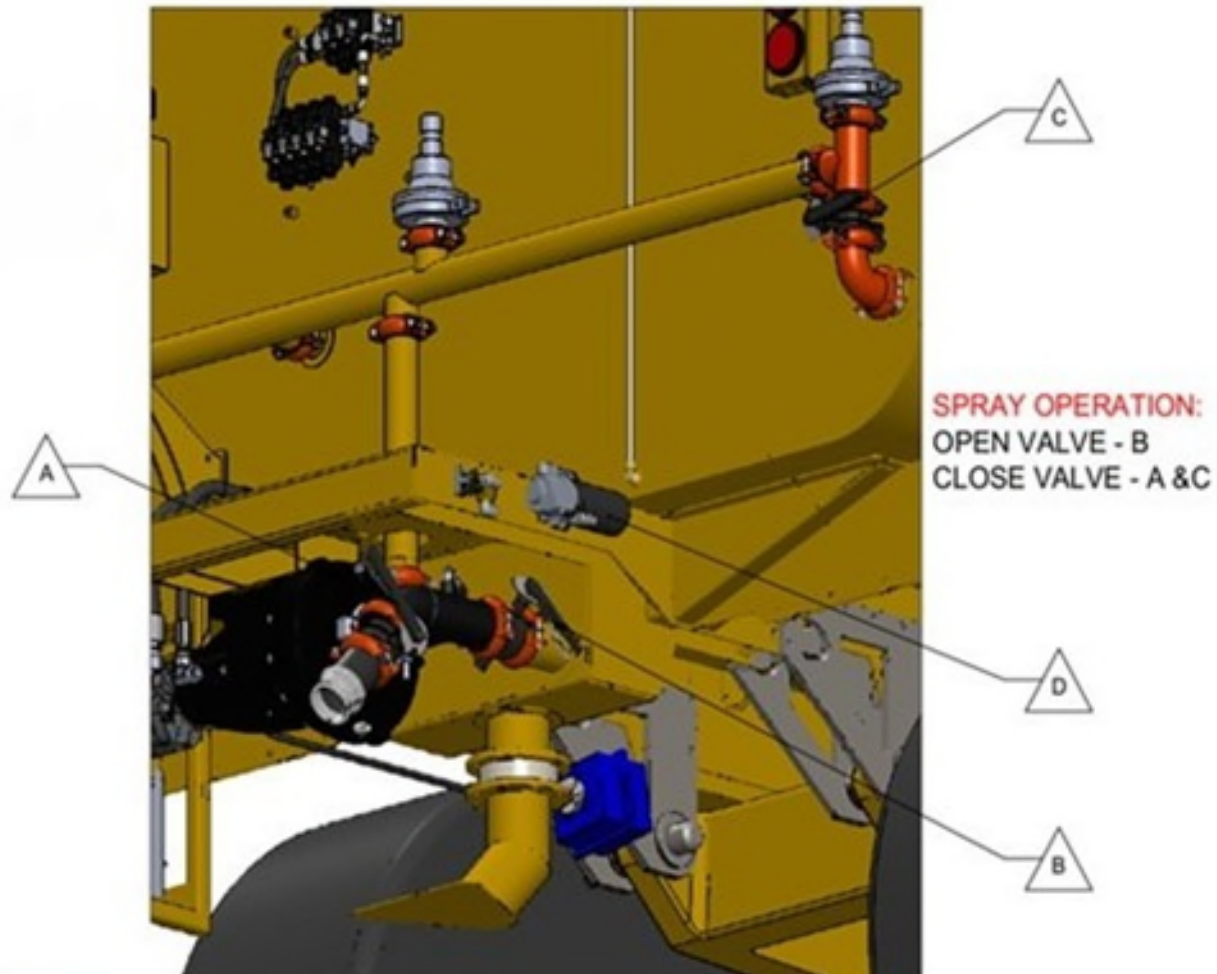
7. Once the water tank is filled to the desired level, turn OFF the water source.

CAUTION

FILL TANK TO AT LEAST 1/4 FULL TO OPERATE WATER OPERATIONS.

8. CLOSE the fill valve handle.
9. Disconnect the hose from the hydrant fill tube nipple.
10. OPEN valve fill handle to drain any excess water to avoid freeze/water damage.

CREEK FILL OPERATION



Go to the creek fill location at the rear of the truck.

STEP 1: Attach the creek fill hose to the inlet at (A) & open the (A) valve. A clear hose is recommended to view any air bubbles.

STEP 2: Submerge the strainer end of the hose into water. A foot valve is recommended to be attached to the hose.

STEP 3: Close valves (B) & (C).

STEP 4: Activate the Hale primer (D) by pulling the handle out until no air is in the water discharged from the primer pump.

STEP 5: Activate the water pump to build pressure to the tank.

STEP 6: Open valve (C) 1/4 of travel. When the pump starts filling the tank, open it completely. If water does not begin filling the tank within 2 minutes, shut off the water pump and repeat steps 4 through 6 until successful.

DISPENSE OPERATIONS

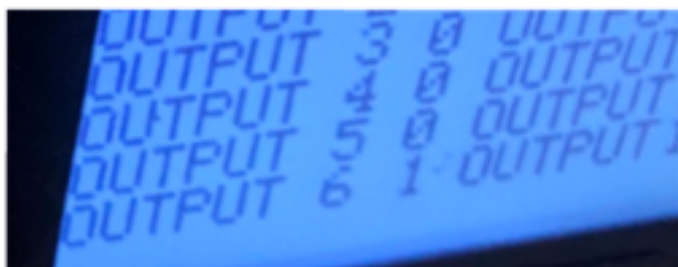
TOUCHPAD CONTROLLER OPERATION



There are (2) output screens standard on the Curry Supply touchpad. On the bottom right of the touchpad is an button labeled "AUX 1". By pushing this button, the screens are rotated to show all the outputs. A (0) represents the "OFF" position, while a (1) represents "ON".



To turn on a feature, press the desired button once. A green indicator light will light up and the output number will change from a "0" to a "1".



If equipped with a level indicator, the "AUX 1" button can be pressed twice to cycle to the level indicator screen. The level indicator shows the water level inside of the tank.

NOTE

THIS IS PRE-PROGRAMMED INTO THE SYSTEM PRIOR TO SHIPPING. IF A LEVEL KIT IS ORDERED AFTER PURCHASING A TANK, CONTACT CURRY SUPPLY FOR CONTROL SET UP.

MOBILE OPERATIONS

CAUTION

TRUCK ENGINE MUST BE AT IDLE SPEED WHEN ACTIVATING OR DEACTIVATING THE WATER PUMP. FAILURE TO DO SO MAY CAUSE PERMANENT WATER PUMP DAMAGE AND VOID WARRANTY.

NOTE

CHECK THE WATER LEVEL BEFORE OPERATION WITH THE TRUCK IN PARK.

1. With the truck in park and the parking brake engaged, start the engine.
2. OPEN a spray head by pressing the button, or moving the slide switch, to the OPEN position.



3. Turn ON the "WATER PUMP"



4. Put the truck in gear/ Drive and pull forward.
5. Water will begin to spray from the selected spray head as RPM's rise.

CAUTION

DO NOT EXCEED THE RECOMMENDED RPMs
LABELED ON THE DASH.

NOTE

IF THERE IS NO RPM LIMIT DISPLAYED ON THE
DASH, CALL CURRY SUPPLY COMPANY
BEFORE OPERATING.

SWITCHING SPRAY HEADS

- Following the previous steps, with current spray head still OPEN, OPEN a newly desired spray head at the SAME TIME.

CAUTION

AT LEAST ONE SPRAY HEAD MUST BE OPEN
WHILE THE WATER PUMP IS ON.

NOTE

MULTIPLE SPRAY HEADS CAN BE OPENED
SIMULTANEOUSLY. HOWEVER, OPERATING
MORE THAN 2 AT THE SAME TIME WILL
DRASTICALLY REDUCE WATER PRESSURE.

- Once finished with previous spray head, CLOSE it, while leaving the new spray head OPEN.

CLOSING SPRAY HEADS

- When spray operation is completed, the spray heads will need to be CLOSED.
- Slow the vehicle to under 1000 RPMs.
- While a spray head is still OPEN, turn OFF the "WATER PUMP".
- CLOSE the spray heads that are open.

WATER CANNON (if installed)

The "Water Cannon" is activated the same way that a spray head is. It can be used while mobile or stationary.

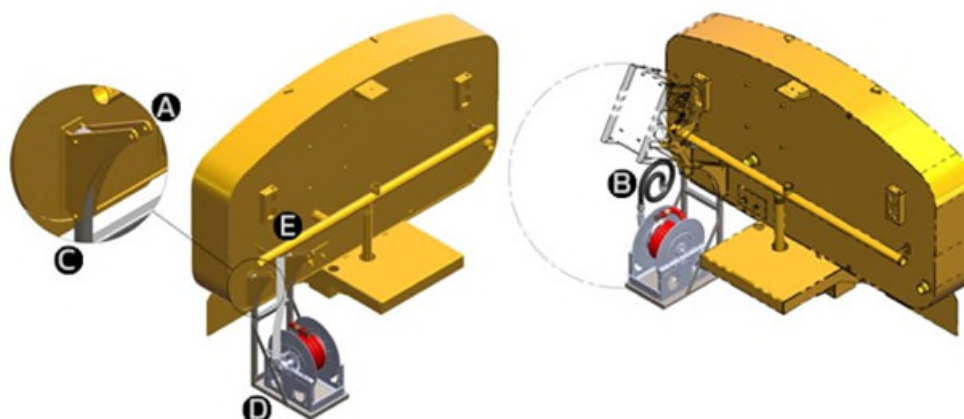
- While the vehicle is below 1000 RPMs, OPEN the "WATER CANNON" spray head on the touchpad.
- Turn ON the "CANNON POWER" button to enable operation of the cannon joystick.
- Turn ON the "WATER PUMP" on the touchpad.
- Raise the RPMs by either driving forward or by using cruise control buttons. Water will begin to spray from the water cannon.
- The direction of the stream is controlled by the joystick inside the cab.
- The spray width can be changed by using the thumb button, opening or closing the cannon nozzle.




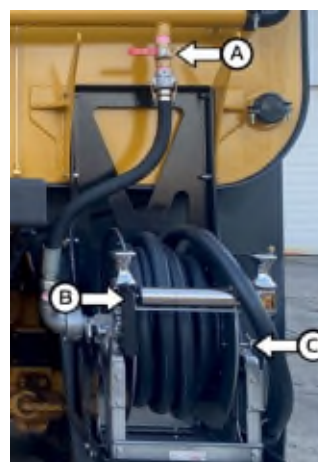
- When spraying is complete, turn OFF the Water Pump
- Turn OFF "CANNON POWER"
- Turn OFF "WATER CANNON"

WATER HOSE / HOSE REEL

The hose reel may be shipped in a stowed position (see diagram below (B). Using a lifting device (crane, fork truck, etc.) secure a chain to the reel platform, and to the lifting device. Once the platform is secure, remove the bolts holding the reel platform in Plate (A), and lower the platform into the operating position (D). With the reel in operating position, insert the bolts from (A) into the (C) location to secure the reel platform. Connect the hose from the reel to the rear spray bar (E) before using.

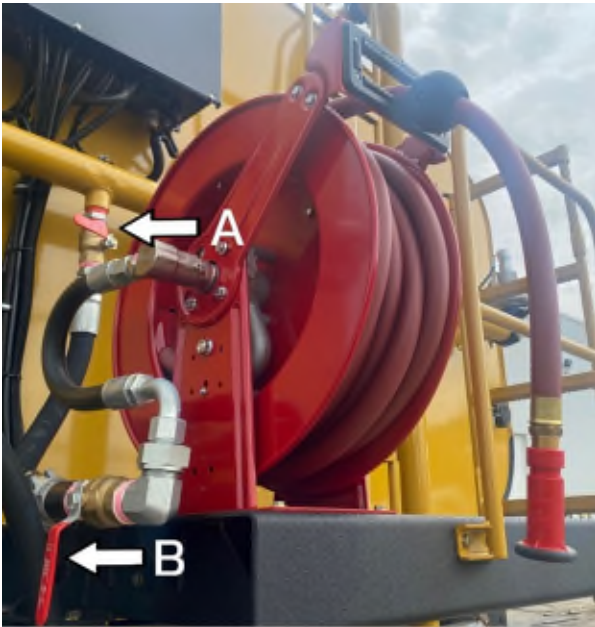


1. With the truck in park, and the parking brake engaged, start the engine.
2. Turn ON the "HOSE REEL" valve on the touch pad. 
3. Turn ON the "WATER PUMP"
4. At the rear of the truck, ensure the hose is secured to the spray bar.
5. Ensure the hose nozzle is CLOSED (head rotates to OPEN and CLOSE).
6. OPEN the ball valve (A) above the reel to allow water to fill the hose.
7. Unlock the hose reel by pulling the spring loaded locking pin (C) and unravel the hose to desired length.
8. Rotate the hose nozzle to OPEN the hose. The spray can be adjusted by opening it more or less.
9. When spraying is complete, CLOSE the hose nozzle.
10. CLOSE the ball valve to the spray bar
11. Reel in the hose using the crank (B)
12. Lock the hose reel (C).
13. Turn OFF the Water Pump on the touchpad.
14. Turn OFF the Hose Reel Valve.



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Spring Rewind Hose Model



10. CLOSE the A & B valves to the spray bar.
11. Pull out slightly on the hose to unlock the reel and engage the spring rewind in the reel.
12. Slowly allow the reel to rewinding the hose back onto it.
13. Turn OFF the Water Pump on the touchpad.
14. Turn OFF the Hose Reel Valve on the touchpad.

1. With the truck in park, and the parking brake engaged, start the engine.
2. Turn ON the "HOSE REEL" valve on the touch pad.
3. Turn ON the "Water Pump"
4. At the rear of the truck, ensure the hose is secured to the spray bar.
5. Ensure the hose nozzle is CLOSED (head rotates to OPEN and CLOSE).
6. OPEN the ball valve (A) and (B) to allow water to fill the hose.
7. Pull the hose from the reel to the desired length. A spring locking system will hold the hose at that length.
8. Rotate the hose nozzle to OPEN the hose. The spray can be adjusted by opening it more or less.
9. When spraying is complete, CLOSE the hose nozzle.



DRAINING OPERATIONS

DUMP VALVE / TANK DRAIN



The Gravity Dump is the primary method to drain the tank completely. To activate the dump valve, press the dump valve button on the touchpad.



NOTE

THE GRAVITY DUMP DOES NOT NEED THE WATER PUMP TO BE ON FOR OPERATION.

In the event that there is no power, the dump valve can be activated manually by pushing in and rotating the black knob. Rotating the knob counter clockwise will open the valve, and rotating it clockwise will close it.

CAUTION

DO NOT MANUALLY OPEN THE DUMP VALVE UNLESS THERE IS NO POWER AT TOUCHPAD.

CAUTION

DO NOT OPERATE THE MANUAL OVERRIDE WHEN THE ACTUATOR IS TURNING

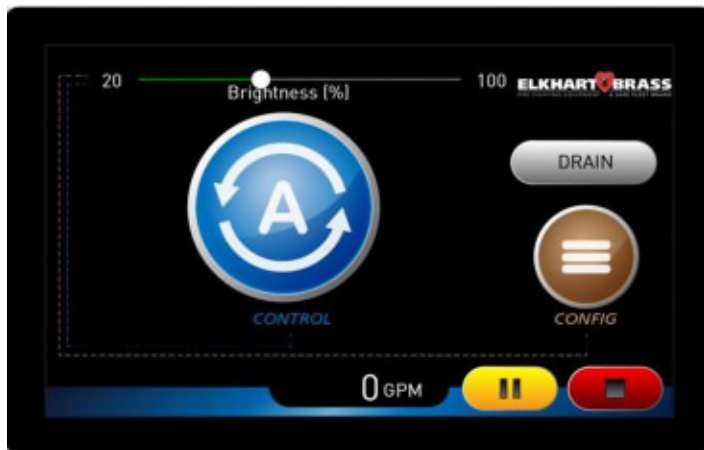


Multi-Valve Controller Operation

Prior to operating the MVC, make sure no one is in dangerous proximity to the vehicle to avoid injuries when it starts.



Home


The Home page is displayed when the MVC first powers up.



(Home Page)

The MVC controls water flow through the touchscreen controls using either Automatic or Manual modes. Automatic mode is the typical and preferred method of operation: it conserves water, evenly distributes water, and allows the operator to remain focused on driving. Both methods control flow by opening or closing discharge valves to a percentage of fully open. The MVC does not control the vehicle's water pump.



- Select the  automatic button to go to the Auto Control Main page to set the MVC control water flow through manual operations. This provides controls to initiate the MVC to automatically open/close valves to maintain a certain flow rate based on the vehicle's speed.
- Select the  menu button to go to the Main Configuration Menu page to get to the Manual Control settings (control water flow through manual operations) or to modify the MVC system settings.



The slider  on the top of the Home page controls the screen's brightness.

- Slide right will brighten the screen
- Slide left will dim the screen.


The screen always defaults to 50% brightness on power-up.

The buttons on the bottom of the Home page perform the following functions:

Select the Pause/Resume   button to:

- Close all valves, but remember the valve control settings (when Pause is selected).

 - Resume valve control as it was before it was paused (when Resume is selected) 

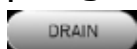
- If Auto Control was running before being paused, then the Auto control will resume. (Refer to Auto Control Main in the Operating Instructions section).
- If the valves were set to particular "percent open" positions in Manual mode, they will be commanded back to those positions.

Select the Stop  button to close all valves and clear the current valve control settings. (Position presets are still saved and can be recalled again through the appropriate preset button).

The current total system water flow rate is also displayed at the bottom of the page.




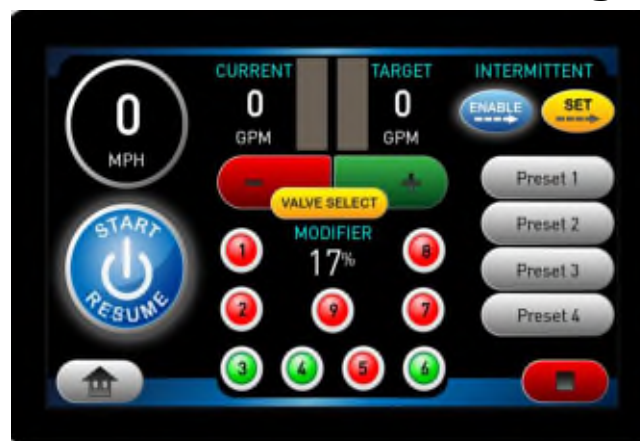
In freezing climates, be sure to push the "drain" button on the Home page to set all valves to partially opened for draining the valves when parking the vehicle for an extended period.



Auto Control Main

The MVC touchscreen display can automatically control water flow by monitoring vehicle speed and adjusting valve position to continuously maintain a desired flow rate through the Auto Control Main page.

From the Home page, select the  button to go to the Auto Control Main page.



Auto Control Main Page

The current vehicle speed is shown in the Speed Circle on the left side of the page.

The current total water flow rate from the vehicle is shown as a number under the "Current" heading and as graphical representation on the bar graph to the right of the number. The portion of green on the bar indicates relatively how much water is flowing. The more it's green, the more water flows. (The maximum corresponds with the maximum value set in the configuration settings. Refer to the Configuration section for more details.)



The target water flow rate that the MVC touchscreen controller is trying to achieve is shown as a number under the "Target" heading and as graphical representation the bar graph to the left of the number. The portion of green on the bar indicated relatively how much water is desired. The more it's green, the more water is desired. (The maximum corresponds with the maximum value set in the configuration settings. Refer to the Configuration section for more details.)



The target water flow is based on speed, number of valves currently in use for Auto Control, the percent modifier, and the Auto Flow configuration settings. Auto Flow configuration settings are changed through the Configuration

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screen. The percent modifier is applied to the Auto Flow configuration settings to allow the operator to adjust for the dust conditions at that moment. This modifier can be positive or negative.

MODIFIER
13%

Before automatic operation can begin, select the valves to control automatically. It may be that not all valves are desired to be used for automatic flow control. The numbered red/green/gray circles around the Modifier indicate which valves are currently selected for automatic control.

Tapping on a red/green will select or deselect the particular valve (toggles between red and green).




Red indicated the valve is not currently selected for Auto Control operations.



Green indicated the valves is currently selected for Auto Control operations.



Gray indicated that valve is not available (not installed or communication is lost).

Alternatively, press the  button to go to the Valve Select page. This page provides bigger switches for enabling or disabling valves.

After valves are selected for automatic operations, the Auto Start/Resume button on the left of the screen is used to start and stop automatic operations.



Intermittent watering is another option in Auto Control mode. As the vehicle travels, this option will automatically start/pause Auto Control mode based on how far the vehicle has traveled. This will produce strips of wet/dry areas across the travel route. To use intermittent watering, first set up the distance the vehicle will travel for a single wet patch. Press the SET button



to go to the configuration option to adjust this distance.

This distance is also used for a single dry patch (and the alternating wet/dry areas that follow). Finally, press the ENABLE button to enable the interval



operations (the button will now show up as depressed with a green border). Watering will not start until the Auto Start/Resume button is pressed (see the next paragraph). To turn off the interval watering, press the DISABLE button. (The button will return to its original state).



Select the valves to be used for automatic operations, then initiate automatic operations by pressing the Auto Start/Resume button. The Auto Start/Resume button will then change to




Indicates that automatic controls are not currently running. Pressing the button will start Automatic operations.



Indicates that automatic controls are currently running. Pressing the button will stop automatic operations.

When automatic control is initiated, the target water flow rate will increase as the vehicle's speed increases and decrease as the vehicle speed decreases. The change is linear. The MVC will then automatically open/close the selected valves to meet and maintain the target flow. This allows the MVC to provide even water distribution regardless of vehicle speed.

Automatic control can be easily stopped in several ways:

- Press the  button. It will change from green back to to.
- Press the red Stop button at the bottom of the screen (this will also clear selected valves).
- Use manual valve controls through the touchscreen to move any of the valves.



The MVC has several Auto presets. Each Auto preset allows a pre-defined group of valves to be selected for Auto flow with a single touch. Before an Auto preset can be initiated it must be set. Follow these steps to set an Auto preset.

1. Select the valves to use for Auto flow as described above. (Auto mode can be running or paused).
2. Press the desired Auto preset button, hold it until a dialog box pops-up stating that the preset has been saved. (The button press for saving is approximately 10 seconds). Release the preset button and dismiss the dialog box. This saves the Auto preset.

Once an Auto preset is saved, it can be recalled by pressing the appropriate Preset button on the Auto Control Main page. Selecting this button selects the same group of valves to be used for auto flow as was saved. Pushing the preset does not start Auto flow: this still needs to be done by pushing the start/resume button.



The buttons on the bottom of the Auto Control Main page perform the following functions:

- Select the home button to go to the Home page. 
- Select the Stop  button to close all valves and clear the current valve control settings. (Presets are still saved and can be recalled again through the appropriate preset button).

Valve Select

The valves to be used for automatic operations can be selected using switch soft-controls on the Valve Select page. Press the valve select button on the Auto Control Main page to access the Valve Select Page.



Valve Select Page



Tap on the particular switch to enable or disable a valve. The switch will move left or right.

- Right (ON) = valve is selected for automatic flow control
- Left (OFF) = valve is not selected for automatic flow control



The numbered red/green/gray circles indicate which valves are currently selected for automatic control. Pressing one of these circles does nothing on this screen.



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Red indicates the valve is not currently selected for Auto Control operations.









Green indicates the valve is currently selected for Auto Control operations.




Gray indicates that valve is not available (not installed or communication is lost).

The buttons on the bottom of the Valve Select page perform the following functions:


- Select the button  to go back to the Auto Control main page
- Select the  button to go to the Home page.
- Select the Pause/Resume button to 
 - Close all valves but remember the valve control settings (triggered when you touch )
 - Resume valve control as it was before being paused (triggered when you touch resume) 
- If Auto Control was running before being paused, then the Auto control will resume. (refer to Auto Control Main in the Operating instructions section).
- If the valves were set to particular "percent open" positions using Manual mode, they will be commanded back to those positions.

- Select the stop button  to close all valves and clear the current valve control settings. (Presets are still saved and can be recalled again through the appropriate preset button).

The current total system water flow rate is also displayed at the bottom of the page. 

Manual Control Main

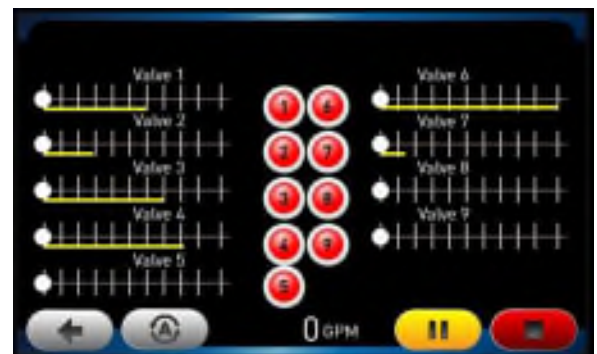
Manual flow control allows the operator to set each valve's "percent open" position to regulate flow.

- From the home page, press the "CONFIG" menu button to get to the Main Configuration page. 


- Press the  button to go to the Manual Control Main page.



Main Configuration page



Manual Control Main page

Use the white circle sliders  to quickly adjust the "percent open" valve positions. The slider is located beneath the valve's label ("Valves 1", "Valve 2", etc).




- Slide right = valve open
- Slide left = valve close

The green position bar will track behind the position of the white circle.

- The green position bar always indicates the valve "percent open" *actual* position.
- The white circle position indicates the valve "percent open" *commanded* position.

It takes seven to eight seconds for a valve to open from 0 to 100 percent or close from 100 to 0 percent.

Finer valve position adjustments or individual position preset settings are done on the Manual Control Detail page.

Select the red/green/gray circle  next to a valve slider to access the valve's Manual Control Detail page. A gray circle also indicated which valves are currently "online".



Red indicates the valve is not currently selected for Auto Control operations.



Green indicates the valve is currently selected for Auto Control operations.



Gray indicates that valve is not available (not installed or communication is lost).


A valve's saved individual position preset is signified by the yellow bar beneath the green position bar for a given valve. The individual position preset is set and recalled through the valve's manual Control Detail page.




Select the  button to go back to the previous page.

Select the  button to go to the Auto Control Main page.

Select the Pause/Resume  button to:

- Close all valves but remember the valve control settings (triggered when you touch pause). 
- Resume valve control as it was before being paused (triggered when you touch resume).
 - If Auto Control was running before being paused, then the Auto control will resume.
 - If the valves were set to particular "percent open" positions using Manual mode, they will be commanded back to those positions.

Select the stop button to close all valves and clear the current valve control settings. (Presets are still saved and can be recalled again through the appropriate preset button). 

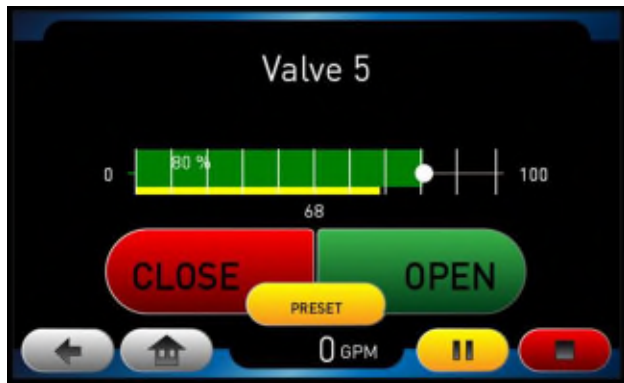
The current total system water flow rate is also displayed at the bottom of the page.



Manual Control Detail

On the Manual Control main page, select the red/green circle next to a valve slider to access the valve's Manual Control Detail page. Note that only valves with a green circle can be controlled.





Manual Control Detail page

The slider in the middle of Manual Control detail page operates like the valve's slider on the Manual Control Main page. Use the white circle slider to quickly adjust the "percent open" valve position.



- Slide right = valve open
- Slide left = valve close

The green position bar will track behind the position of the white circle.

- The green position bar always indicates the valve "percent open" *actual* position.
- The white circle position indicates the valve "percent open" *commanded* position.

It takes seven to eight seconds for a valve to open from 0 to 100 percent or close from 100 to 0 percent.

A valve's saved individual position preset is signified by the yellow bar beneath the green position bar for a given valve.

The numbers associated with the slider and yellow/green position bars mean the following:

- Number on the slider or green bar indicates "percent open" *commanded* position.
- The number below bar indicates the valve individual *preset* position.

Press the red CLOSE or green OPEN button to fine tune the valve's position:



- Press and hold the button to gradually change the desired position. Release when it is at the desired position.
- Tap the button once to change the desired position by 1%. (Note that the valve may not move with a single tap due to the "deadband" control algorithm. Two or three taps may be necessary depending on the configuration settings).

The valve's individual position preset is set and recalled through the "preset" button.




The valve's individual position preset allows a valve to be moved to a pre-defined position with a single button press.

Before a position system preset can be initiated it must be set. Follow these steps to set a system preset:

1. Set the valve to the desired "percent open" position using the white circle slider or close/open buttons.



2. Press the  button in the middle of the Manual Control Detail page, hold it until the yellow bar beneath the slider moves to the set position (about 10 seconds).




Now, release the preset button. The saves the valve's individual position preset.

Once an individual position preset is saved, it can be recalled by pressing the preset button in the middle of the Manual Control Detail page. Selecting this button commands the valve to go back to the "percent open" position it was in when the preset was saved.

The buttons on the bottom of the Manual Control detail page perform the following functions:


Select the  button to go back to the previous page.

Select the  button to go to the Auto Control Main page.

Select the Pause/Resume   button to:

- Close all valves but remember the valve control settings (triggered when you touch pause).
- Resume valve control as it was before being paused (triggered when you touch resume).

- If Auto Control was running before being paused, then the Auto control will resume.
- If the valves were set to particular "percent open" positions using Manual mode, they will be commanded back to those positions.

Select the stop button  to close all valves and clear the current valve control settings. (Presets are still saved and can be recalled again through the appropriate preset button).

The current total system water flow rate is also displayed at the bottom of the page.



SECTION 4

Maintenance & Lubrication

Due to numerous jobs and purposes, varying environments and climates, and importance to safety, routine maintenance is highly recommended. Regular maintenance keeps the water trucks functioning correctly and at optimum efficiency. The following tasks can help prevent breakdown and keep the truck on the job when you need it most.

NOTE

FOR THE MOST ACCURATE MAINTENANCE FOR A SPECIFIC CHASSIS SYSTEM, REFER TO THE PRODUCT SPECIFIC USER MANUAL

DAILY SAFETY MAINTENANCE

Tires – Check for proper inflation and tread depth.

Brake System – Routine inspections on brake pads and calipers for safe operation.

Lights – Check all lights are working and functioning correctly.

Fluids – Check engine oil, coolant, hydraulic fluid, and wiper fluid are at proper levels.

Hoses – Check for leaks, cracks, and that they are fully secure.

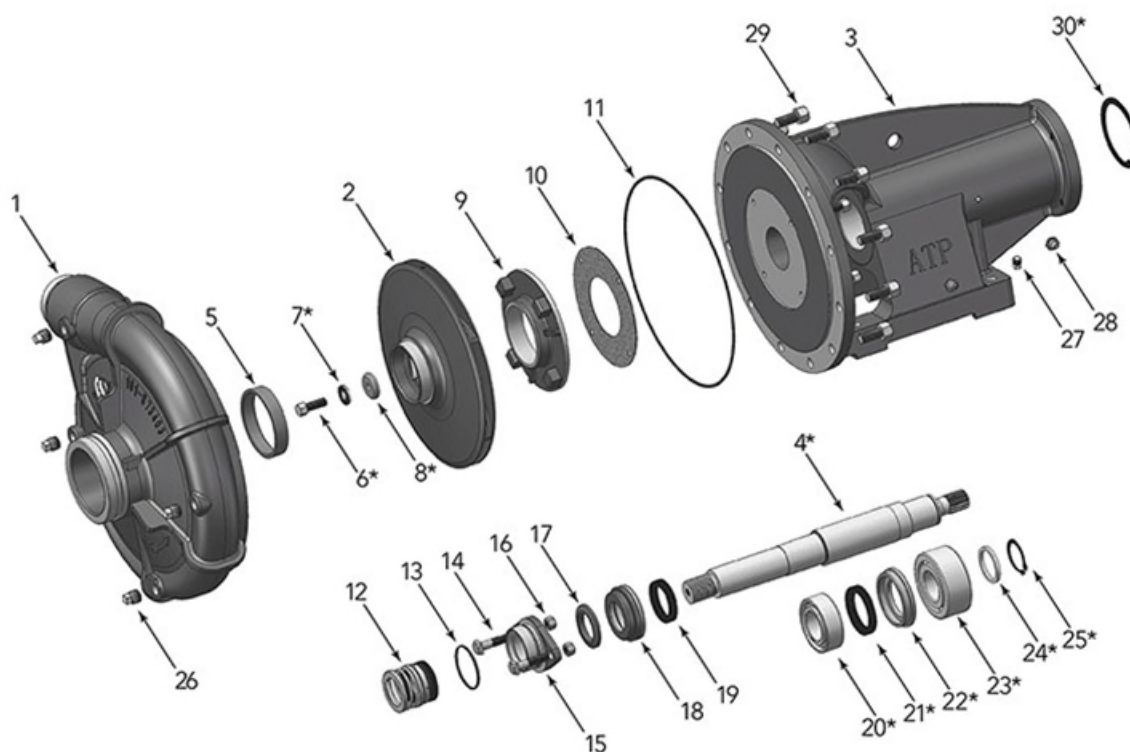
CAUTION

WITHIN THE FIRST WEEK OF OWNING CHECK THE TORQUE ON THE BOLTS OF WATER PUMP

WATER PUMP ROUTINE MAINTENANCE

A well-maintained pumping system will extend the life of the unit and require fewer repairs. This means less down time, which could be extremely critical when a constant delivery of liquid is required. A routine maintenance and inspection schedule should be set up on a weekly, quarterly, and annual basis with records kept of these actions.

The following is a breakdown list of maintenance that is recommended to be completed:

WATER PUMP DIAGRAM

- | | |
|----------------------------|-------------------------|
| 1. Volute | 16. Hex Nut |
| 2. Impeller | 17. Water Slinger |
| 3. Hydraulic Bearing Frame | 18. Inner bearing Cap |
| 4. Splined Shaft Kit | 19. Oil Seal |
| 5. Wearing Ring | 20. Ball Bearing |
| 6. Cap Screw | 21. Oil Seal |
| 7. Lock Washer | 22. Outer Bearing Cap |
| 8. Impeller Washer | 23. Ball Bearing |
| 9. Balance Ring | 24. Shaft Thrust Ring |
| 10. Balance Ring Gasket | 25. Pump Retaining Ring |
| 11. Volute Gasket | 26. 1/2" Pipe Plug |
| 12. Mechanical pump Seal | 27. 1/4" Pipe Plug |
| 13. O Ring | 28. Grease Fitting |
| 14. Gland bolt | 29. Hex Cap Screw |
| 15. Shaft Seal Retainer | 30. Retaining Ring |

11-Aug-25

WEEKLY MAINTENANCE (~250 miles)

Vibration: All rotating machines can be expected to produce some vibration. However, excessive vibration can reduce the life of the unit. If the vibration seems excessive, discontinue operation, determine the cause, and correct the issue.

Noise: When the unit is operating under load, listen closely for unusual sounds that might indicate the unit is in distress. Determine the cause and correct the issue.

Operating Temperature: During operation, heat is dissipated from the pump bearings and the driver. After a brief period, the surface of the pump bracket will be quite warm (as high as 150° degrees F), which is normal. If the surface temperature of the pump bracket or driver is excessive, discontinue operation, determine the cause of the temperature rise, and correct the issue. Bearings will run hotter for a brief run-in period after packing which is normal. However, worn bearings will cause excessive temperatures and need to be replaced. The pump unit is cooled by the water following through it and will normally be at the temperature of the pumping liquid.

Rope Packing: After a brief period of operation, verify that the stuffing box area and gland are not hot. If heating is detected, loosen the gland nuts evenly until water is just running out of stuffing box in a DROPLET form. Water must not be streaming or spraying out (water drops should be 40-60 drops a minute). Verify cool operation periodically. Adjust gland nuts **EVENLY** as necessary for lubrication and cooling of the packing. If packing has been tightened to the limit of the packing gland travel, additional packing is necessary.

CAUTION

IF THE UNIT IS EQUIPPED WITH A ROPE SEAL WATER PUMP THAT REQUIRES A MINIMUM DRIP. DO NOT OVER TIGHTEN THE SEAL. MECHANICAL SEALS WILL NOT DRIP

Mechanical Seal: Inspect seal for leakage. There should be no leakage from mechanical seal.

Suction Line: Inspect line and screen for flow obstruction.

Tie Down Bolts: Inspect the bolts for correct torque (376 ft/lbs.).

QUARTERLY (~3,000 miles)

Pump and Piping Connections: Inspect all system piping connections for leakage or misalignment. Misalignment of pipe connections to the pump will put excessive strain on the pump case and can cause damage to internal components of both the pump and motor. If stress on the pump case is suspected, adjust pipe supports to correct. For flange connections, misalignment can be checked by shutting down the pump, and removing the pipe flange bolts on the pump connections. If the mating flanges come apart or shift, there is pressure at the connection(s) and adjustments should be made to the piping supports until flanges mate without force. This procedure can be done throughout the piping system.

- Check pump foundation for soundness and see that all hold-down bolts are secure.
- Inspect packing or mechanical seal for possible replacement. Examine shaft sleeve, if present, for wear and replace it if necessary.
- Inspect pumping plant panel for signs of wear (i.e.: replace pitted contactors, etc., as needed).
- Check pump and/or motor bearings for signs of wear. Repack or replace as required.

ANNUALLY (~12,000 miles)

- Inspect the pump and entire pumping system for signs of wear.
- Inspect system valves and screens.
- Check electric motor windings for degradation, rewind if necessary.
- Inspect impeller, volute case, and seal chamber for signs or excessive wear or corrosion.
- Liquid End of pump requires no lubrication.
- Drain compressor to reduce condensation.

Wear rings, packing rings, and models using a mechanical shaft seal, are lubricated by the liquid being pumped.

CAUTION

DO NOT RUN DRY! LUBRICATION IS NEEDED TO AVOID DAMAGE.

BEARING FRAME: Add approximately 2 ounces of a lithium based NGLI No. 2 extra pressure ball bearing grease to each bearing during quarterly inspection.

NOTE

GREASE FITTING IN PACKING AREA IS FOR PRIMING

HOSE REEL: Grease hose reel quarterly to avoid friction and rust build up.



11-Aug-25

WATER CANNON (If Installed)

The complete monitor and control system should be inspected during each apparatus check. Careful inspection for damage to the monitor and nozzle is especially important after each use.

Visually inspect each system component including the Monitor, Nozzle, Joystick, Valve and Wire Harnesses.

- Operate each function (left-right, up-down, jet-fog) from each control point.
- Flow water to check the nozzle pattern. If the pattern is disrupted, use the nozzle flush feature to clear the debris. To flush the nozzle, while spraying water from the cannon, open the spray pattern the full way, then close it to the tightest pattern, and repeat again. If the obstruction remains, remove the nozzle, and check for debris lodged between the nozzle stem and body.
- During nozzle flow test, inspect monitor swivel joints for leaks.
- Inspect all exposed wiring for signs of damage.

Drain water cannon after use by opening installed petcock valve. Stagnant water may cause rust, corrosion, or cracks when frozen.

WINTERIZING/FREEZE PREVENTION

Frozen water inside of the system can lead to considerable damage. To prevent damage please consider the following:

- Water Tank – Drain the water tank as much as possible, parking on an incline with the drain at the lowest point.
- Drain Valves – Open any drain valves installed on the spray system.
- Water Cannon – Open the drain valve on the cannon and open the nozzle to allow air flow.
- Hose – Remove hose reel supply hose and leave ball valve open. Open the hose nozzle and leave it open to drain.
- Fill Tube – Open valve to release any water that may be trapped.

SPARE PARTS

The number and type of spare parts kept on hand at any pump site is dictated by the severity of the service in which the pump is used. It is recommended that the following spare parts be kept on-site as a minimum back-up to service pump and reduce down-time. Parts shown do not apply to all models. Check your model/style when selecting spare parts.

- Mechanical shaft seal
- Packing set and packing hooks
- Shaft sleeve(s)
- Impeller wear ring
- All gaskets and O-Rings are required for one entire pump assembly.
- Retaining rings
- Additional diaphragms for the air valves

If having a pump non-operational has severe consequences, a back-up pump should be considered. Otherwise, a backup impeller, volute case, bearings, and shaft, would be prudent.

LONG TERM STORAGE

If pump is to be out of service for an extended period, such as the winter months, the following storage procedures should be followed:

- Remove exterior dirt and grime or any substance that may trap moisture. Exposed metal is subject to oxidation, prime and repaint if necessary.
- Flush suction and discharge lines. Check for leaks and replace any worn gaskets.
- Remove the lowest plug in the pump, drain the pump casing, and suction and discharge lines.
- Lubricate the bearings.
- If possible, keep the unit clean and dry during storage period to guard against corrosion.
- Seal all open ports to keep out foreign objects such as insects, rodents, dust, and dirt.
- Rotate driver shaft periodically to prevent freeze-up of internal components.
- Shelter the pump from the elements when possible.

BOLT TORQUE SPECIFICATION CHART

Coarse Thread, Grade (8) Bolt Torque Specs			
Normal Diameter	Clamp load (lbs.)	Tightening Torque (ft-lbs.)	
		Lubricated Threads	Dry Threads
1/4	2864	8.9	11.9
5/16	4719	18.4	24.6
3/8	6974	33	44
7/16	9568	52	70
1/2	12771	80	106
9/16	16375	115	154
5/8	20340	159	212
3/4	30101	282	376
7/8	41556	455	606
1	54517	681	909
1 1/4	87220	1363	1817
1 3/8	103939	1768	2382
1 1/2	126473	2371	3162
Tie Down Spring Tension	5/8" Grade 8	5/8" of spring compression	

NOTE

ALL TORQUED BOLTS ARE TO BE MARKED AFTER BEING TIGHTENED TO SPECIFICATIONS.

CAUTION

ALL BOLTS SHOULD BE RECHECKED TO MEET TORQUE SPECS EVERY 500 MILES

Coarse Thread, Grade (5) Bolt Torque Specs			
Normal Diameter	Clamp load (lbs.)	Tightening Torque (ft.-lbs.)	
		Lubricated Threads	Dry Threads
1/4	2029	6.3	8.4
5/16	3342	13	17.4
3/8	4940	23	31
7/16	6777	37	49
1/2	9046	57	75
9/16	11599	82	109
5/8	14408	113	150
3/4	21322	200	267
7/8	29436	322	429
1	38616	483	644
1 1/4	53786	840	1121
1 3/8	64096	1102	1469
1 1/2	77991	1462	1950

NOTE

ALL TORQUED BOLTS ARE TO BE MARKED AFTER BEING TIGHTENED TO SPECIFICATIONS.

CAUTION

ALL BOLTS SHOULD BE RECHECKED TO MEET TORQUE SPECS EVERY 500 MILES



SECTION 5

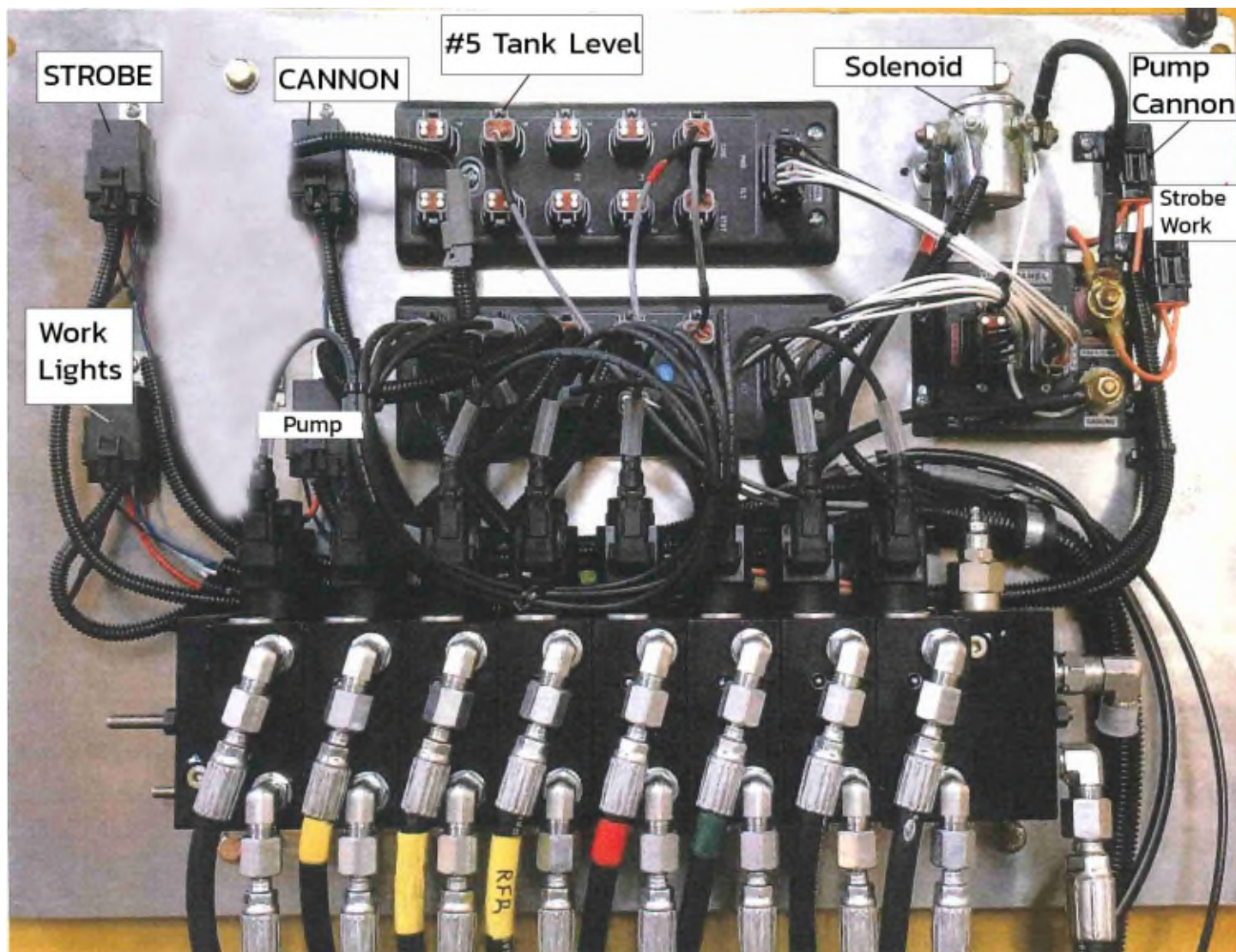
Schematics

Hydraulic Box Open Picture SCH1-1	Page 33
Hydraulic Valve System SCH2-1	Page 34
Hydraulic Valves 2S, 3R, 2 Front Spray Heads & Level Sensor SCH2-2	Page 35
Hydraulic Valve System 2 side, 3 rear, and Level Sensor SCH2-3	Page 36
2 Line Dump Cylinder Connections SCH3-1	Page 37
4 Line Dump Cylinder Connections SCH3-2	Page 38
Chassis Harness Connection Overview SCH4-1	Page 39
Wire Harness Diagram SCH5-1	Page 40
Wire Harness Diagram SCH5-2	Page 41
Rear Wiring ID Picture SCH6-1	Page 42
Hale Primer Wiring SCH7-1	Page 43
Elkhart Nitro Water Cannon SCH8-1	Page 44
Elkhart Nitro Joystick Electric SCH8-2	Page 45
Elkhart Nitro Position Sensor SCH8-3	Page 46
Elkhart Nitro Monitor Harness SCH8-4	Page 47
Elkhart Nitro Connector Pin Diagram SCH8-5	Page 48
Cemex Level, Dump & Cannon Wiring Diagram SCH9-1	Page 49
Cemex Level, Dump & Cannon Wiring Diagram SCH9-2	Page 50
Cemex Level, Dump & Cannon Wiring Diagram SCH9-3	Page 51

CAUTION

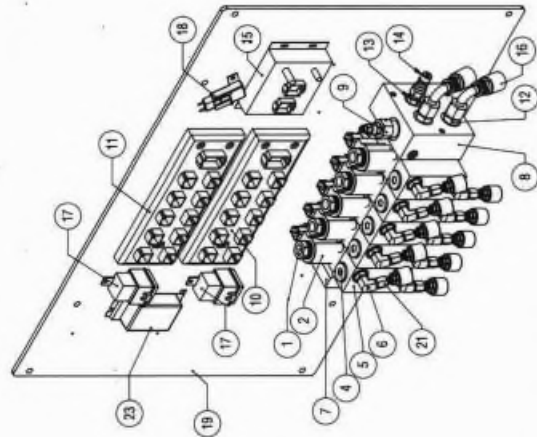
PLEASE CONTACT CURRY SUPPLY COMPANY BEFORE ATTEMPTING ANY CHANGES TO THE ELECTRICAL SYSTEMS. DOING SO MAY CAUSE EQUIPMENT DAMAGE OR VOID WARRANTY.

HYDRAULIC BOX OPEN VIEW



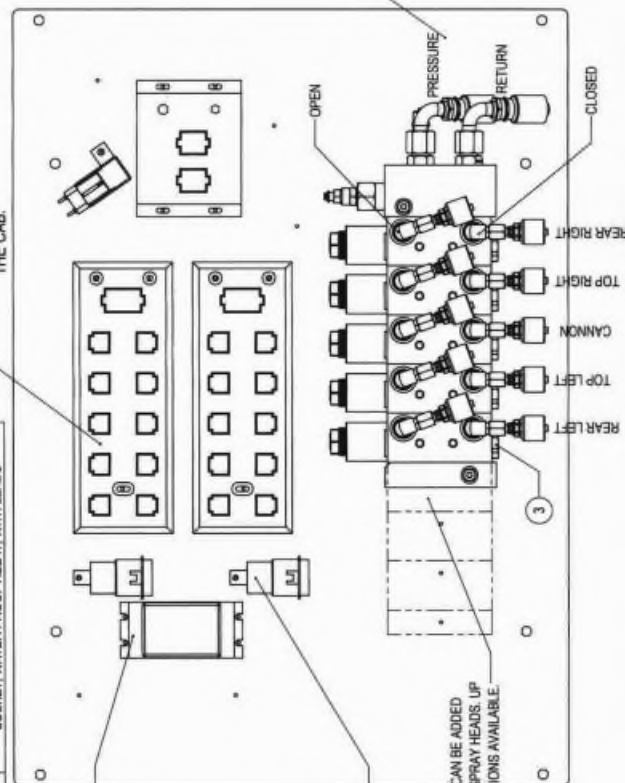
ITEM NO.	QTY.	PART NO.	STOCK DESC.
1	5	805314219	VALVE, SOLENOID, 5V10-24-01-00-00-B-00
2	5	11146519	24V DE COIL, M16-240-26N-DE
3	5	11169108	VALVE, CHECK, RPOC6-5-00 PO
4	5	92000619	PLUG, CAVITY, NCS0600
5	5	11195193	M810-W-LH-6S
6	10	68014-5	FITTING, 1/4 JIC - 3/8 MOR, 90 DEG, STEEL
7	1	11187937	M910-E
8	1	1120610	INLET WICAVITY FOR REDUCING VALVE
9	1	83020488	VALVE, REDUCING, PRMP PRMP 084-EN-1.00-35
10	1	DP-34044-5-100	OUTPUT BLOCK (COMPUTER)
11	1	DP-34044-1	INPUT/OUTPUT COMBO BLOCK
12	2	6400-8	FITTING, 1/2" MJ - 1/2" MB
13	1	6401-5-4	FITTING, 3/8" MB - 1/4" MP, STEEL
14	1	H293	FITTING, PLUG, 1/4" COUPLING - FP
15	1	DP-37055-2	2 CONNECTOR POWER SPLITTER
16	2	G25179-0808X	FITTING, 1/2" HOSE - 1/2" FJ SWIVEL, 90 DEG SHORT, STEEL
17	2	H41386541	RELAY, 24V, WATER PROOF, 10/20A
18	1	784623	FUSE HOLDER, IN-LINE, ATOMATC
19	1	1594-3300	OFF ROAD HYD. VALVE BOX
20	10	G25170-0404X	SPRAY HEAD HOSE CONNECTIONS
20	20	G25170-0404X	FITTING, 1/4" HOSE - 1/4" FJ SWIVEL, STEEL
23	1	4857-0120	HOSE, 1/4" HYDRAULIC, MEDIUM PRESSURE
23	1	P81-OC-20903-W	CONVERTER, 12/24V - 9V DC
24	2	52MJB	SOCKET, WATER PROOF RELAY, WITH LEADS

QTY.	PART NO.	STOCK DESC.	NOTES
1	DP-33028-3-002	KEYPAD/DISPLAY, 24V DC	LOCATED ON THE BACK OF THE CONTROL PAD
1	DP-34042-402	TERMINAL RESISTOR	
2	M-0185-XDBKIT	18 PIN CONNECTOR KIT	
1	DP-38022-400	PSF-2 CONNECTOR KIT	
1	RAM-200U	RAM MOUNT, 2.5" BASE	
1	RAM-107BU	RAM MOUNT, 1.5" PLUGGED BASE	
1	RAM-201U	RAM MOUNT, DOUBLE SOCKET ARM	
1		PVAS ASSEMBLY KIT	ROD CONNECTOR KIT, PART NUMBERS DIFFER BASED ON THE AMOUNT OF VALVES USED.
3	7072-77501-7540660	Y-CABLE, 2' LENGTH	



COMBO OUTPUT BLOCK IS USED WITH A TANK FILL INDICATOR. WHEN A TANK IS EQUIPPED WITH A DIGITAL LEVEL INDICATOR, TOGGLE THE BOTTOM RIGHT BUTTON ON THE CONTROLLER. PANEL BRINGS UP THE FILL DISPLAY ON THE CONTROLLER IN THE CAB.

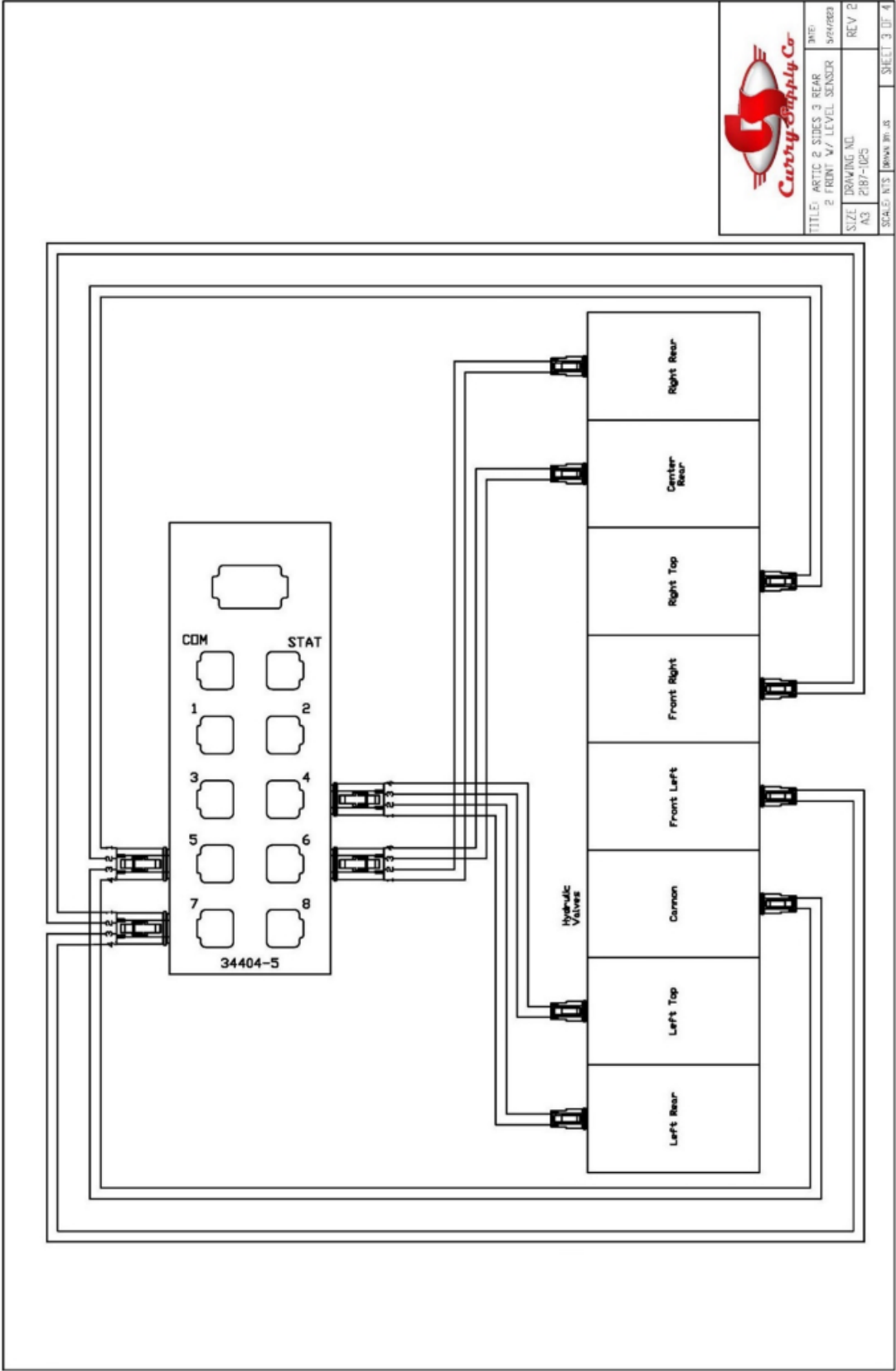
ITEMS 1,2,3,4,5,6, 7, & 8 ARE TIED TO THE SPRAY HEAD COUNT. THIS ASSEMBLY MAKES UP THE CONTROL SYSTEM FOR (1) SPRAY HEAD UNIT.



RELAYS SHOULD NEVER BE INSTALLED UPSIDE DOWN. DOUBLE CHECK CONNECTIONS TO MAKE SURE UNIT IS WEATHER SEALED.

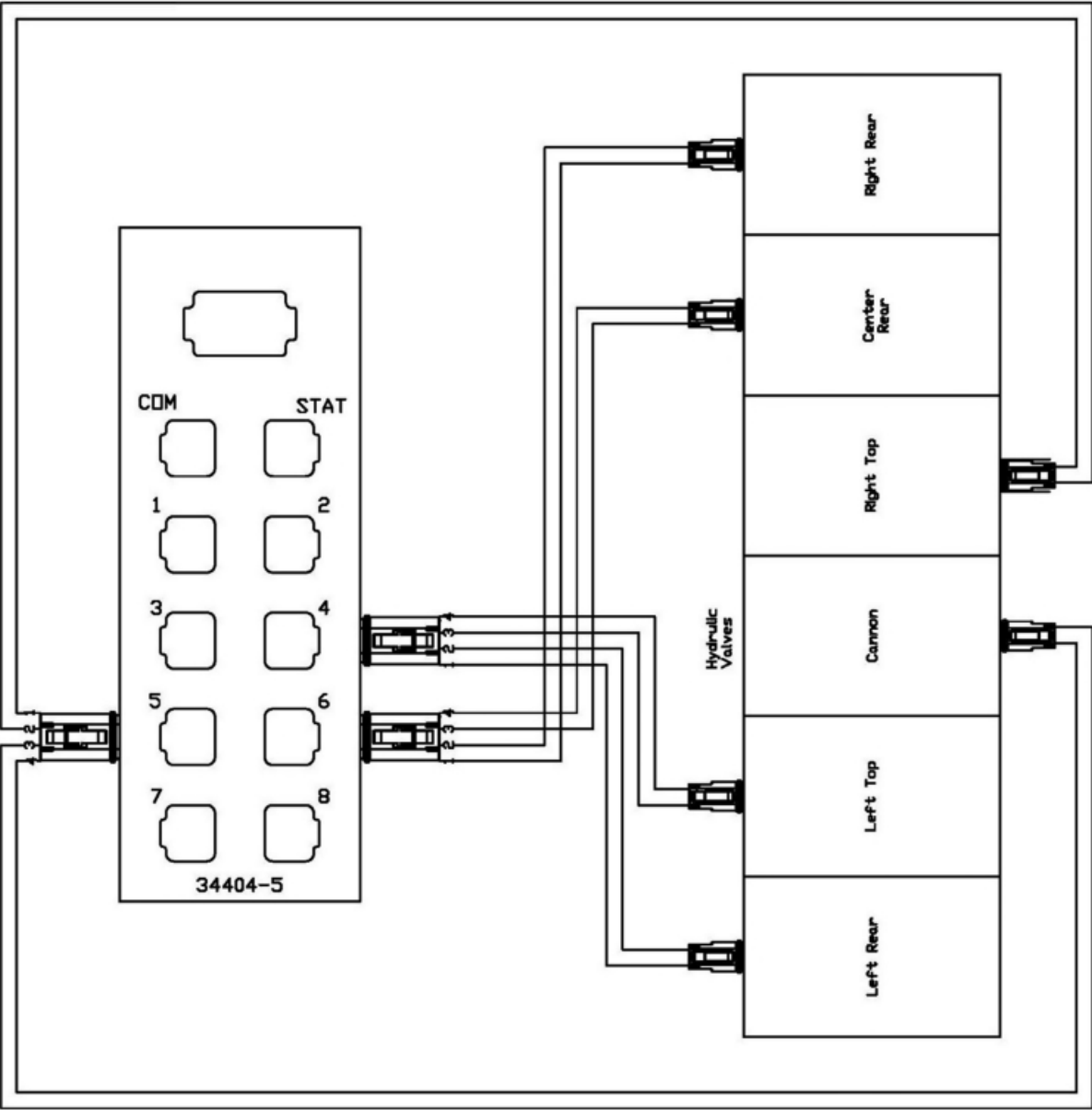
OPEN CIRCUIT ALLOWS THE SPRAY HEAD TO BE OPEN AND PUSH WATER. CLOSED CIRCUIT HOLDS HYDRAULIC PRESSURE TO KEEP THE SPRAY HEAD CLOSED. CHECK VALVE (3) KEEPS THE SYSTEM PRESSURE FROM BLEEDING OFF WHEN VALVE IS CLOSED.

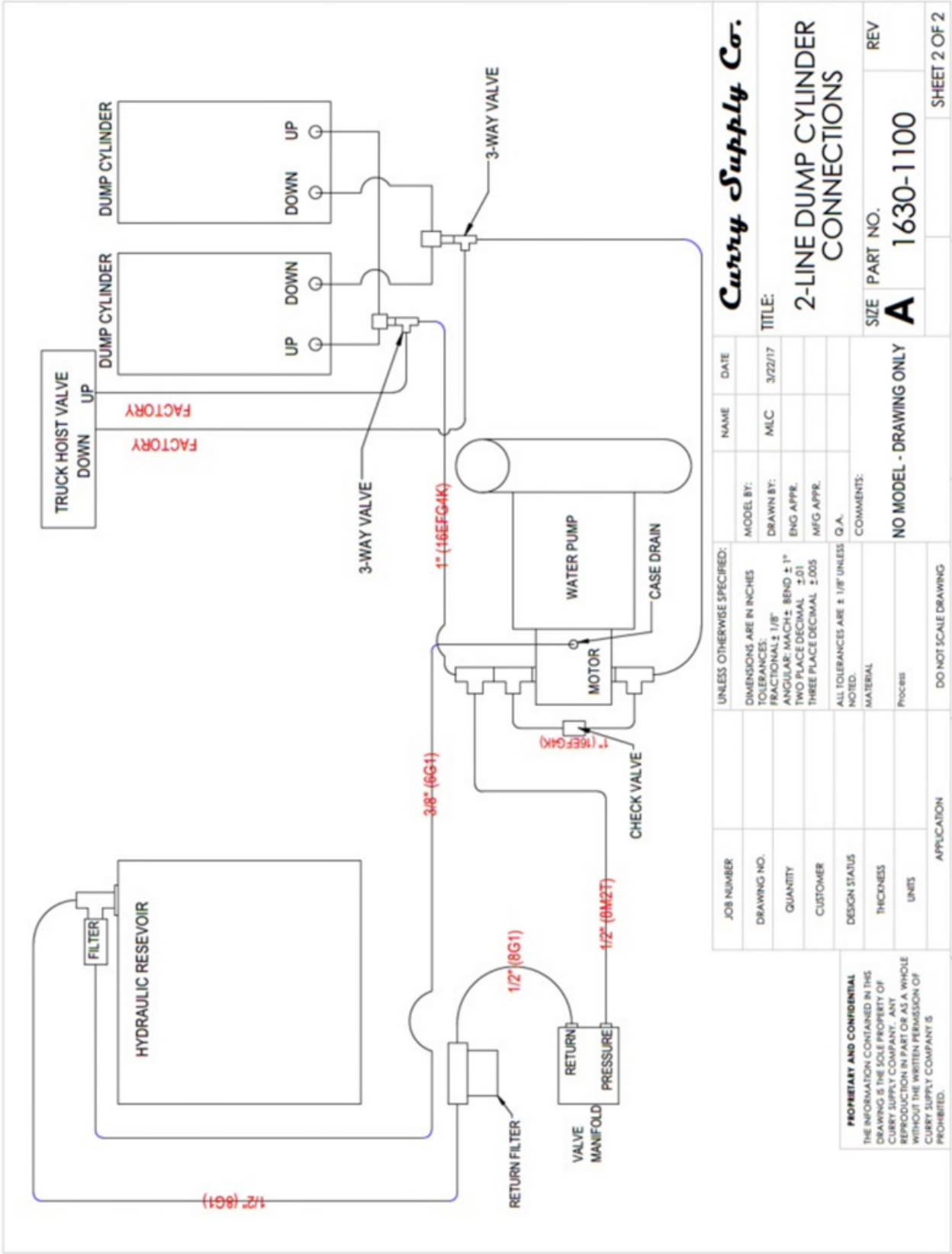
PART NO.		1634-7800		DATE		10/02/20	
TOLERANCES		UNLESS OTHERWISE SPECIFIED:		NAME		MTC	
FRACTIONAL:		± 1/8"		MODEL BY		MTC	
ANGULAR:		± 1°		DRAWN BY		MTC	
THREE PLACE DECIMAL:		± .005"		MATERIAL		ASM	
PROPRIETARY AND CONFIDENTIAL		THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF CURRY SUPPLY COMPANY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CURRY SUPPLY COMPANY IS PROHIBITED.		PROCESS		A	
SIZE		B		WEIGHT:		0	
DRAWING NO.		1634-7800		REV		0	
TITLE		HYDRAULIC VALVE SYSTEM, OFF ROAD WATER, 5 VALVE					

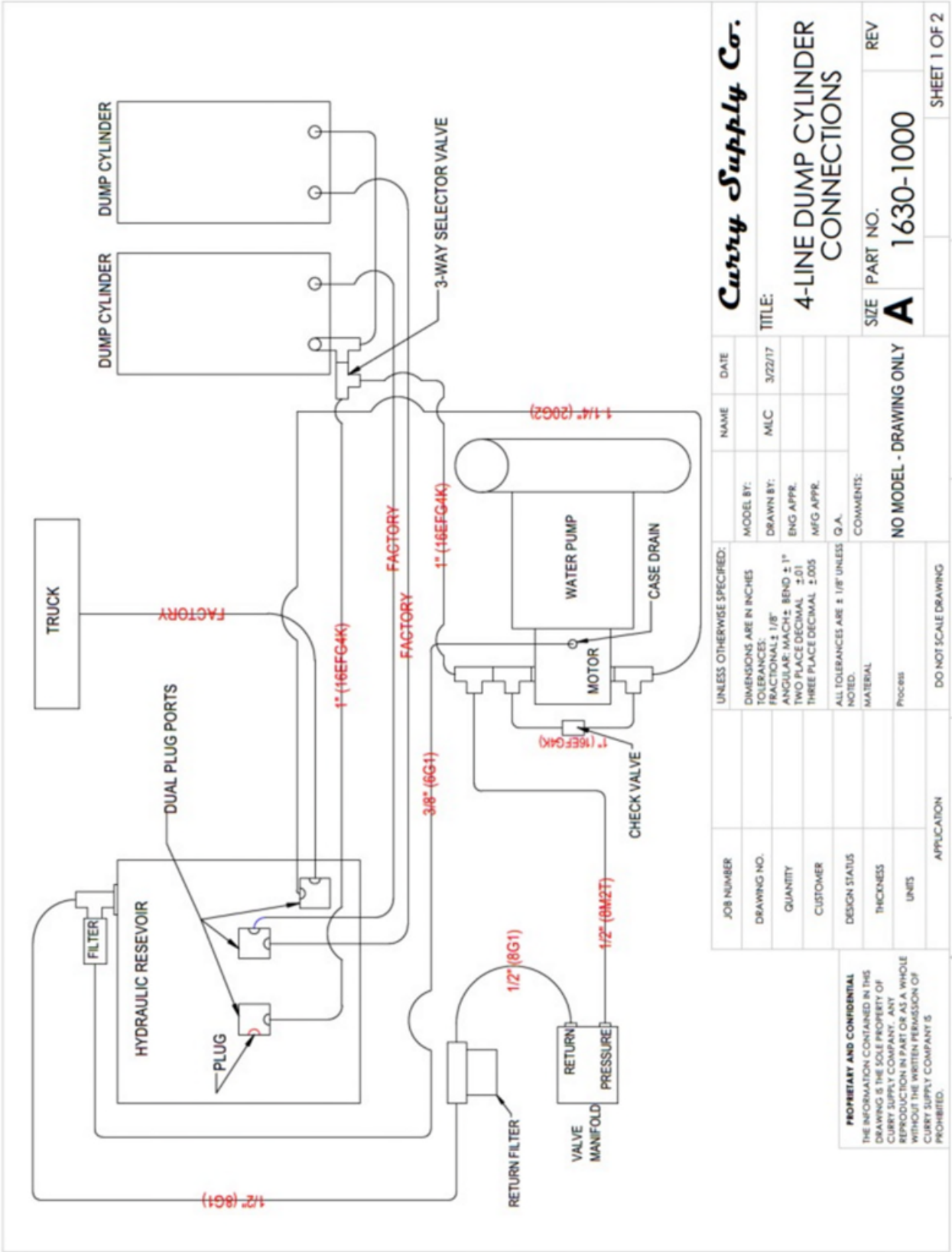


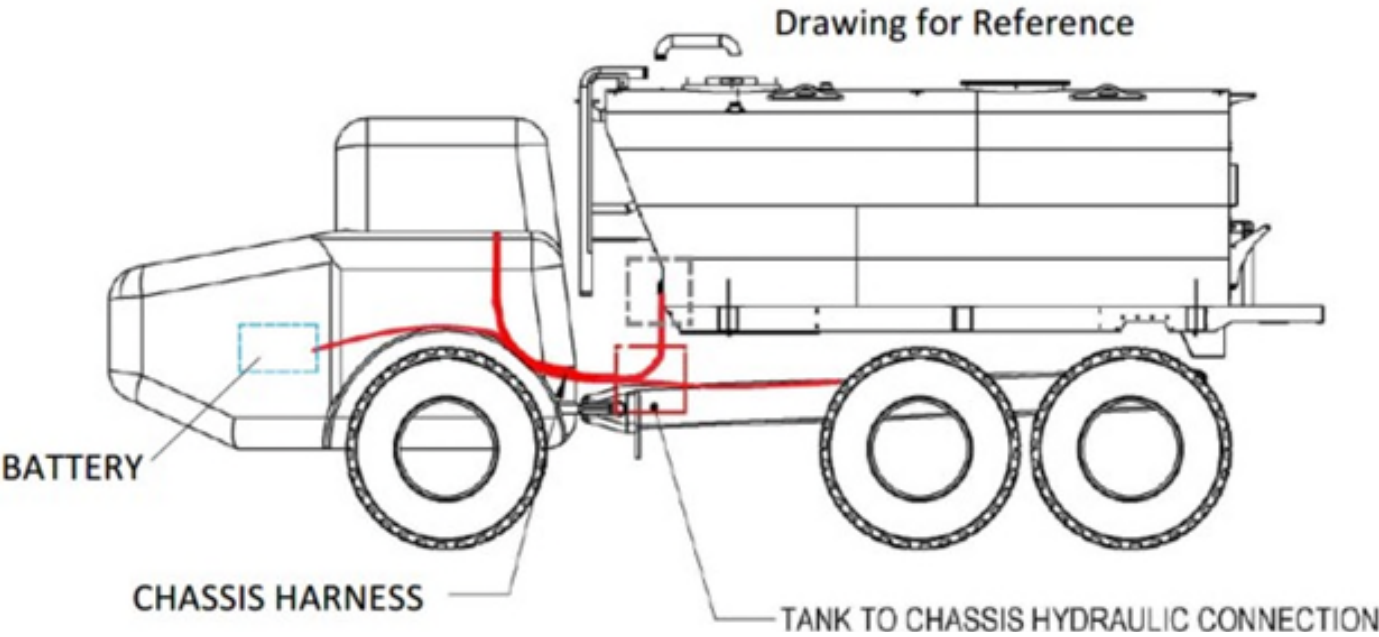
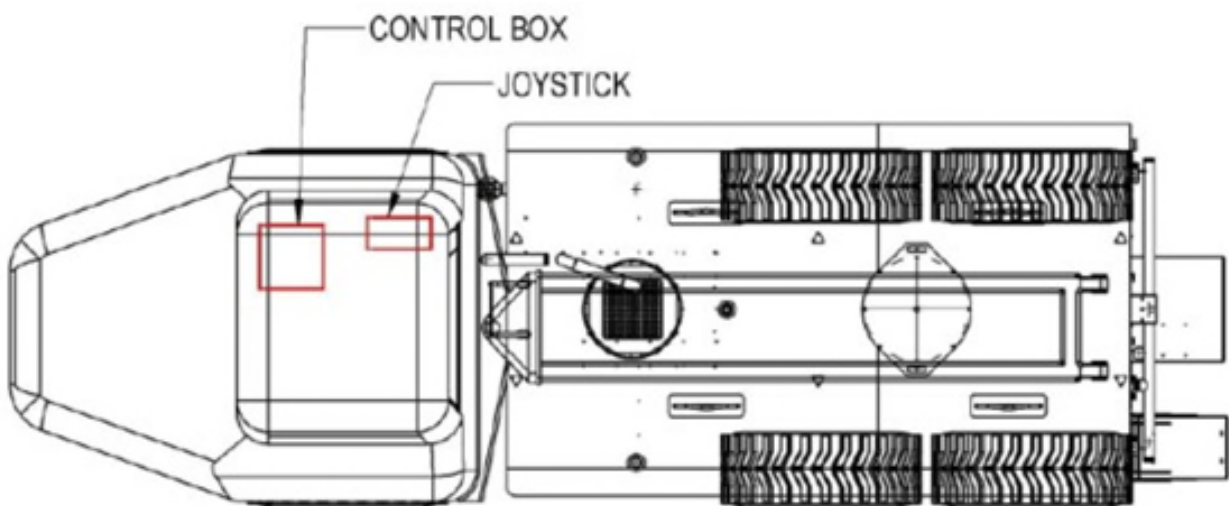


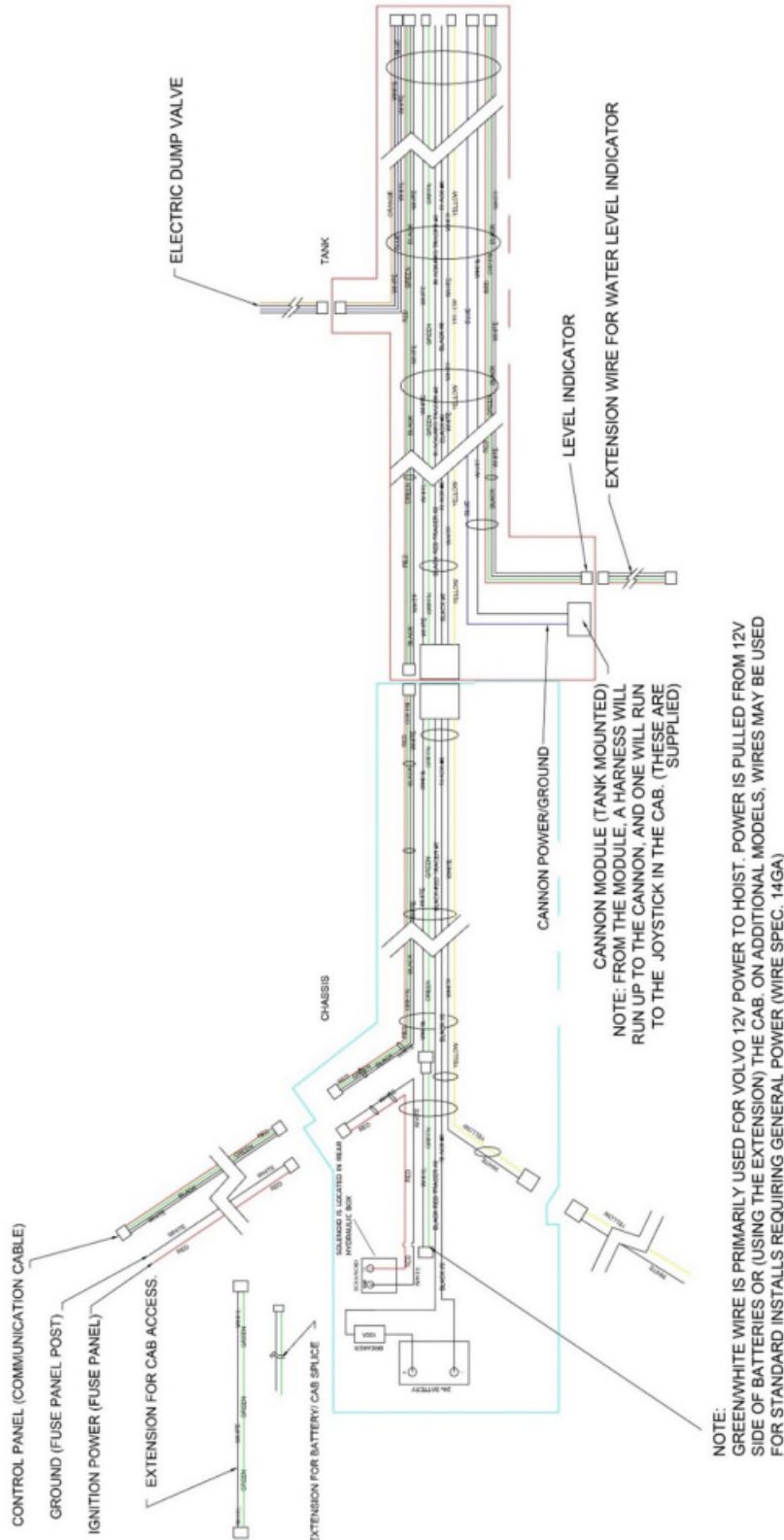
TITLE: ARTIC 2 SIDES 3 REAR W/ LEVEL SENSOR		DATE: 5/24/2023
SIZE A3	DRAWING NO. 2187-1025	REV 2
SCALE: NTS	DRAWN BY: JS	SHEET 2 OF 4

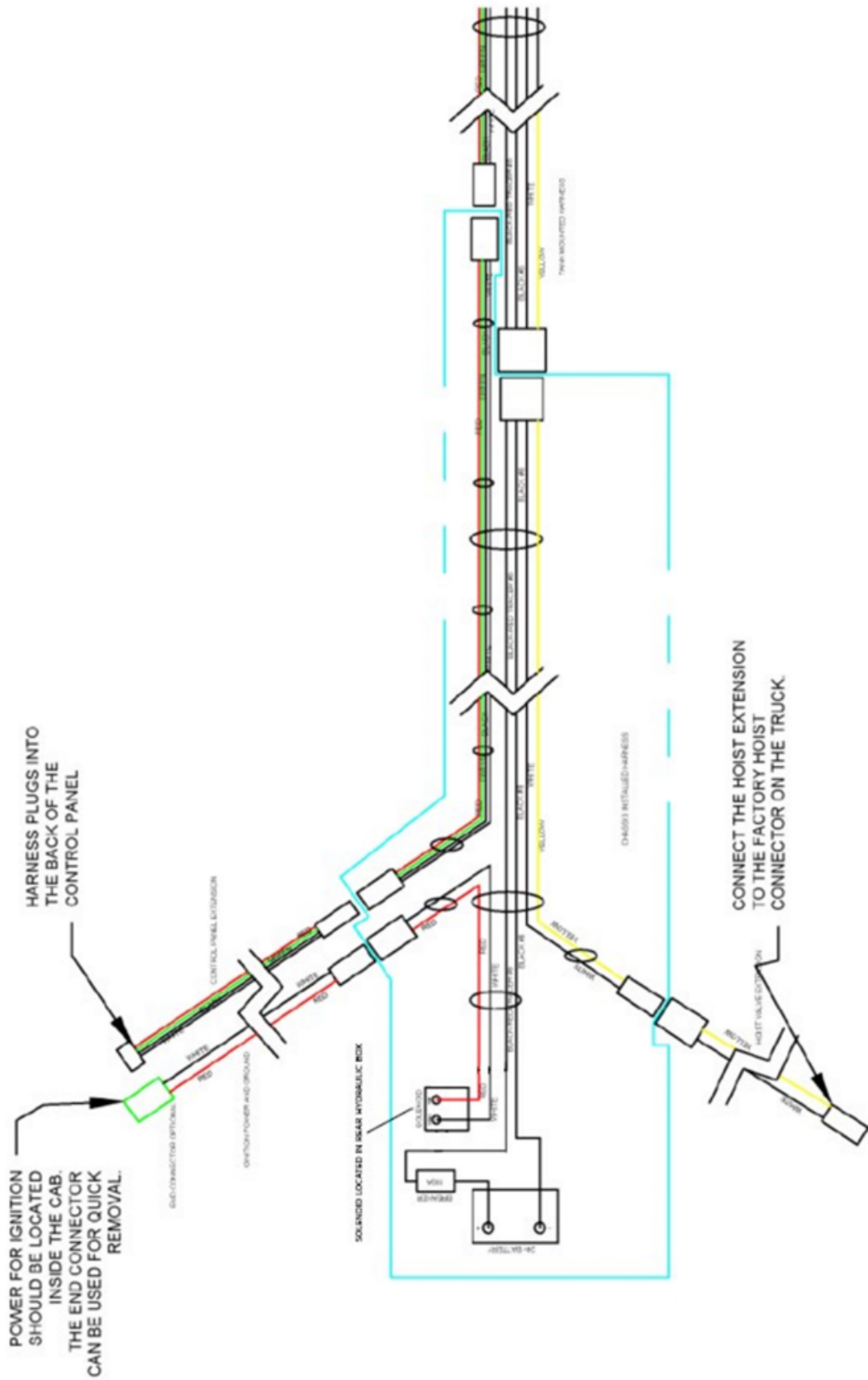


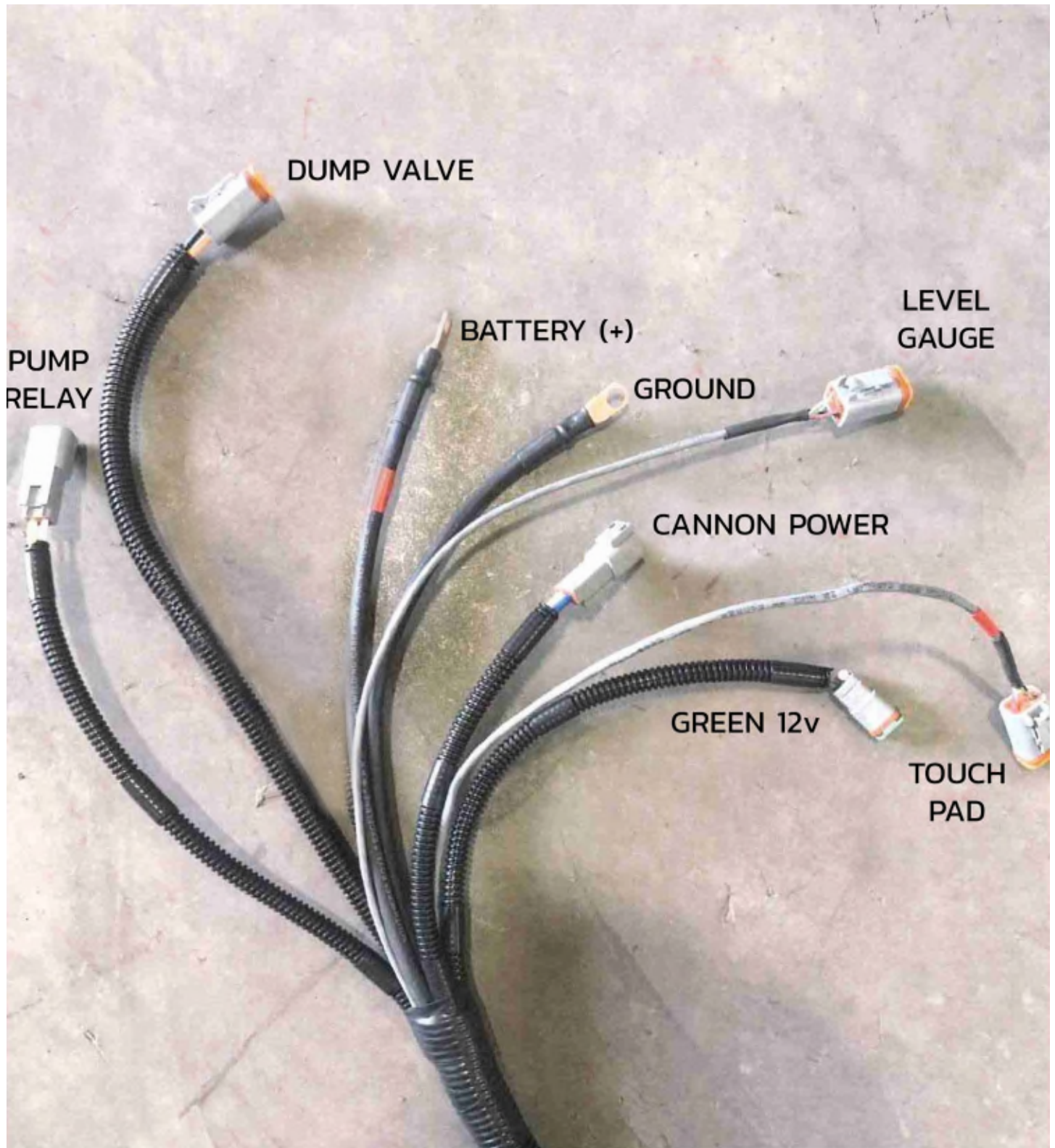


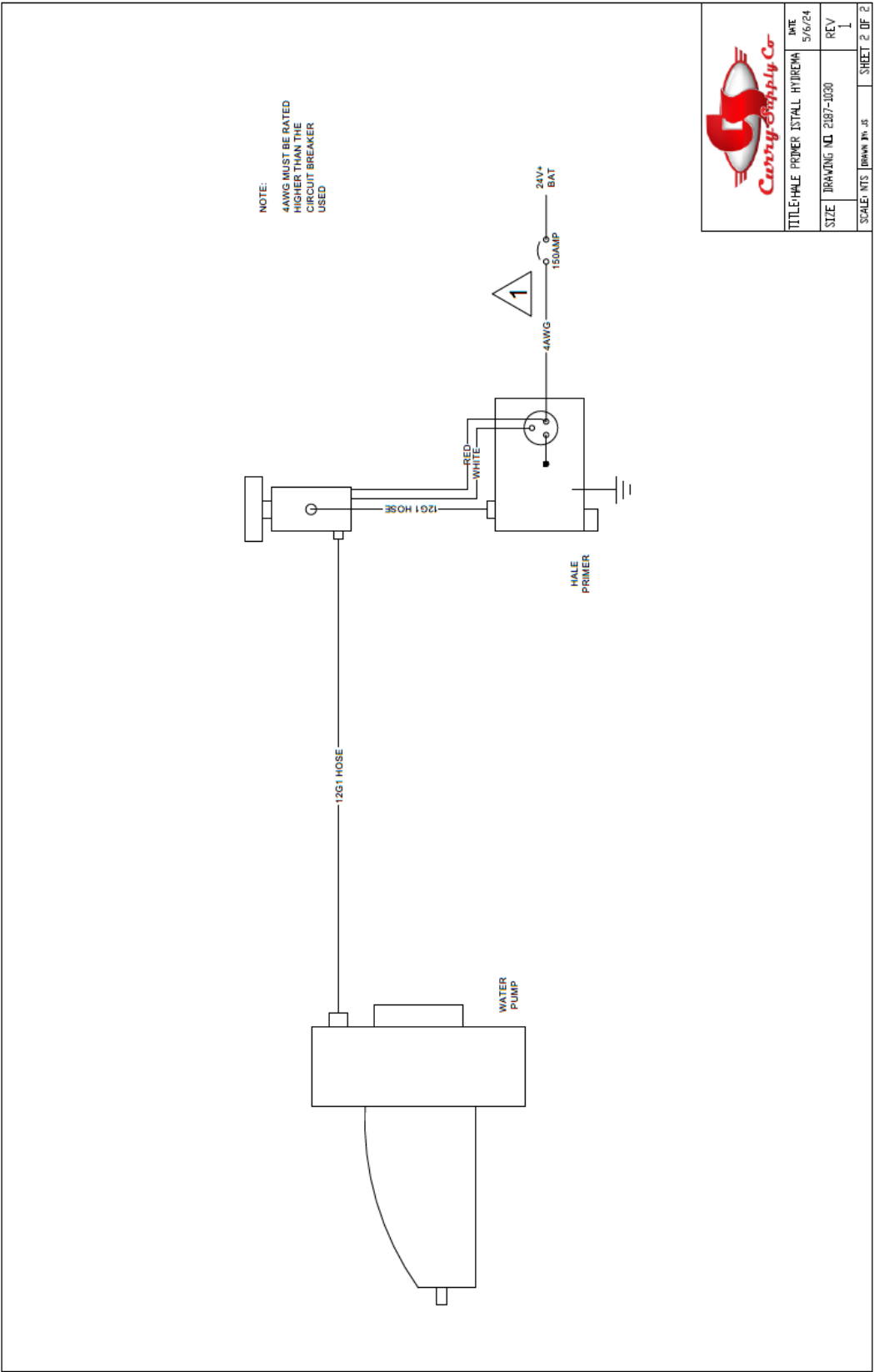




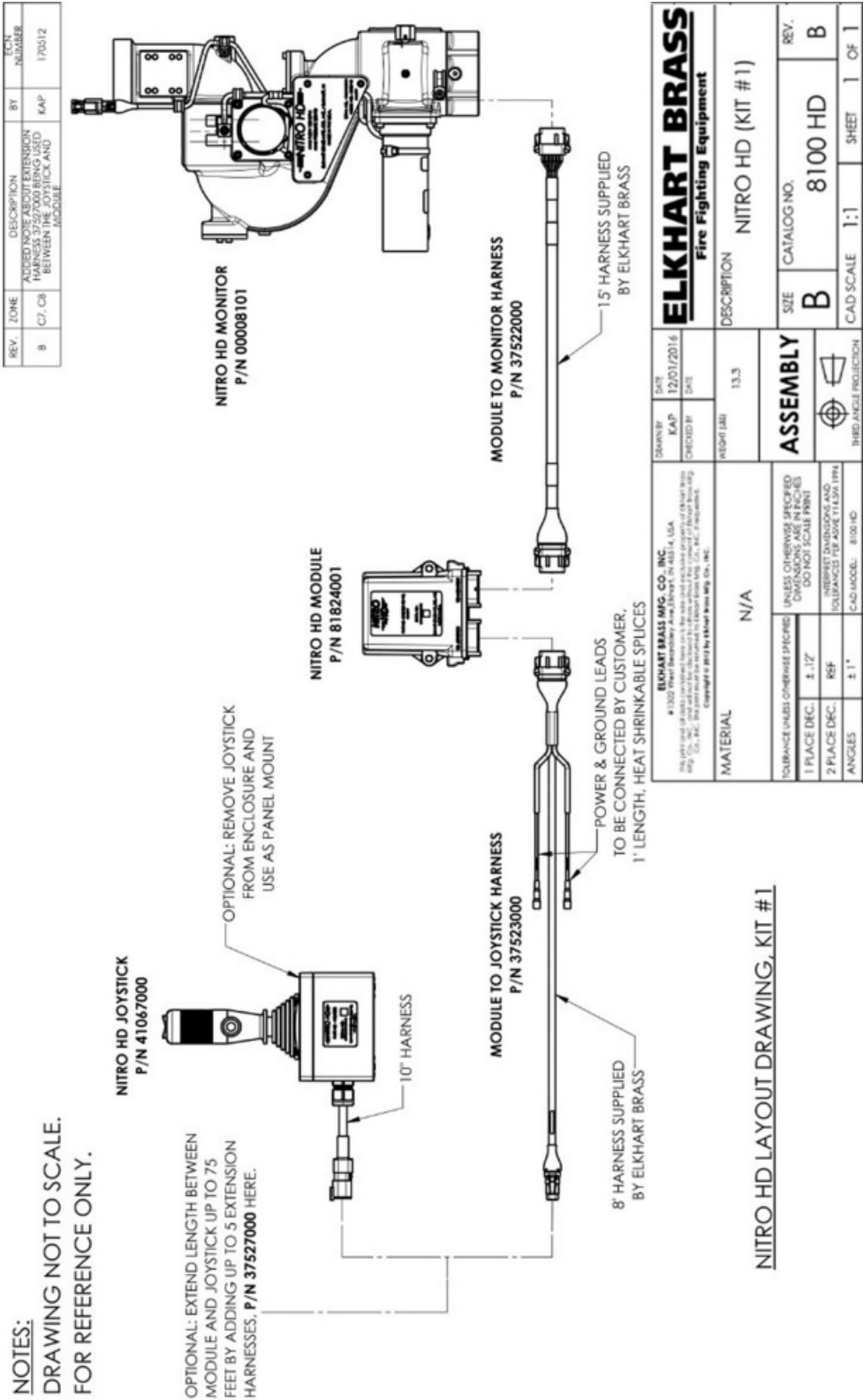








TITLE	HALE PRIMER INSTAL	HYDREMA	DATE	5/6/24
SIZE	DRAWING NO.	2087-1030	REV	1
SCALE	NTS	DRAWN BY	JS	SHEET 2 OF 2



NITRO HD LAYOUT DRAWING, KIT #1

ELKHART BRASS

FIRE FIGHTING EQUIPMENT A SAFE FLEET BRAND

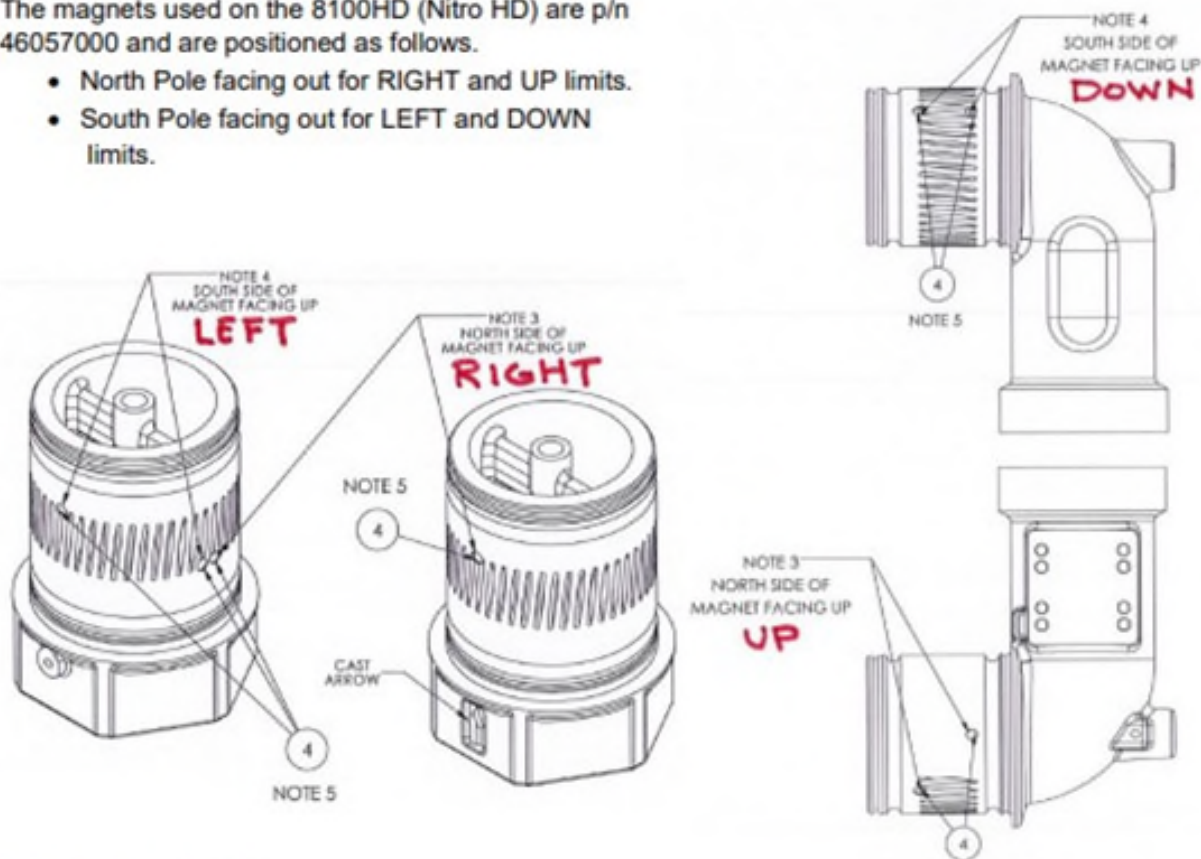
8100HD (Nitro HD) position sensor testing information

The position sensor used for controlling Vertical and Horizontal travel on the 8100HD (Nitro HD) is p/n 67566000.

- The sensors RED wire should have +5 volts on it.
- The sensors BLACK wire should be GROUND.
- The sensors GREEN wire should have;
 - Around +2.5v when no magnet is detected.
 - It should drop below +2.5 volts (around +1.5v) when detecting the North Pole of a magnet (RIGHT or UP).
 - It should go above +2.5 volts (around +3.5v) when detecting the South Pole of a magnet (LEFT or DOWN).

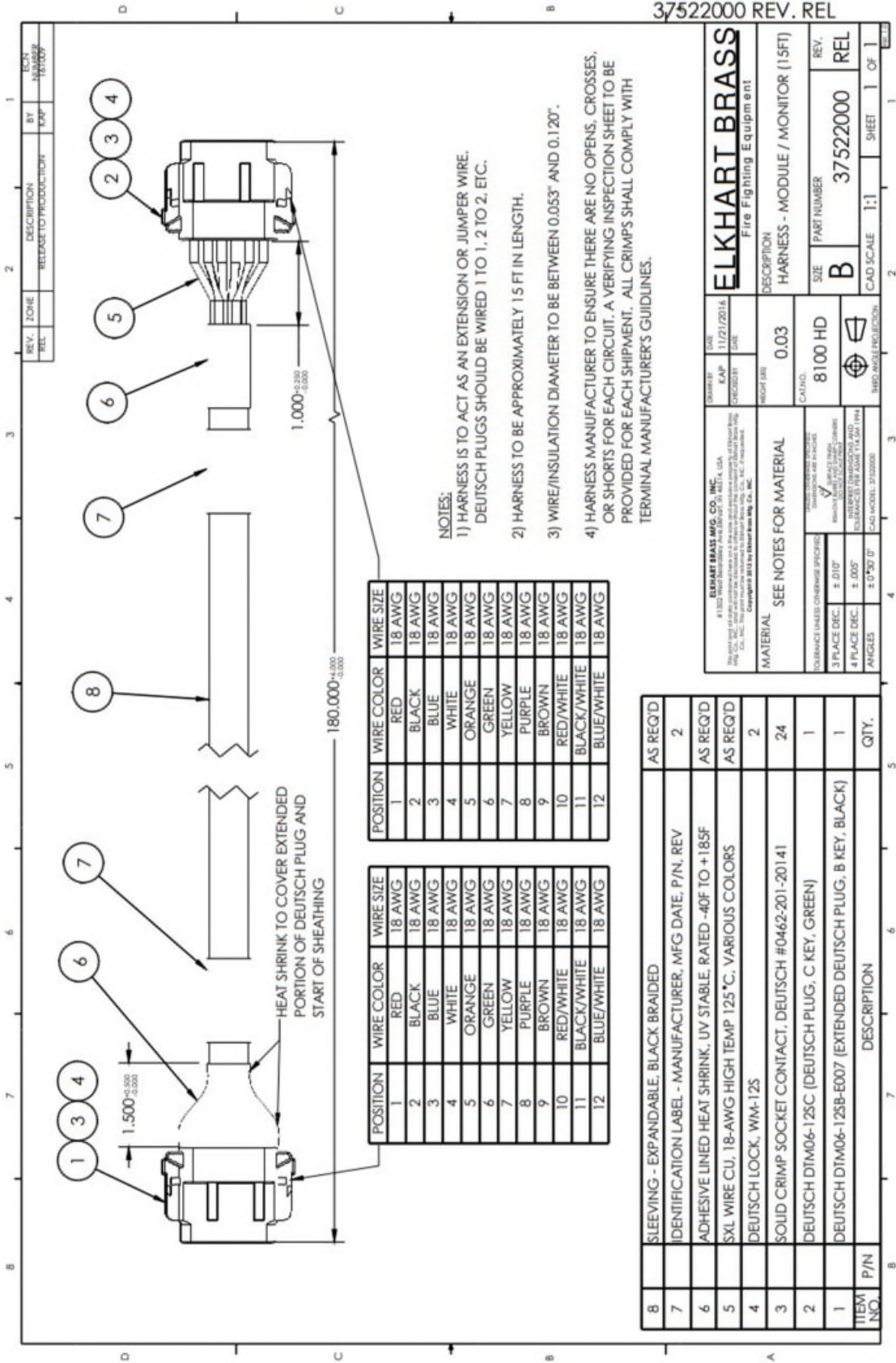
The magnets used on the 8100HD (Nitro HD) are p/n 46057000 and are positioned as follows.

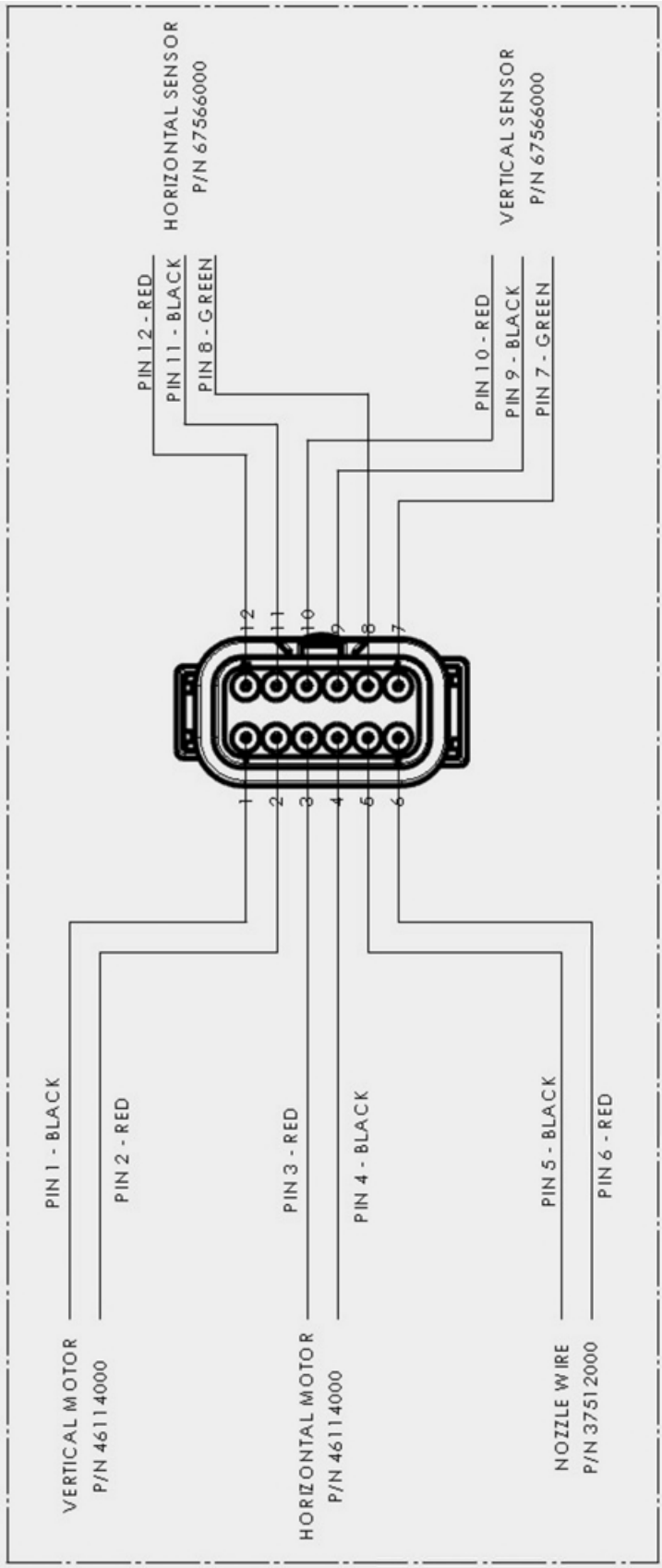
- North Pole facing out for RIGHT and UP limits.
- South Pole facing out for LEFT and DOWN limits.

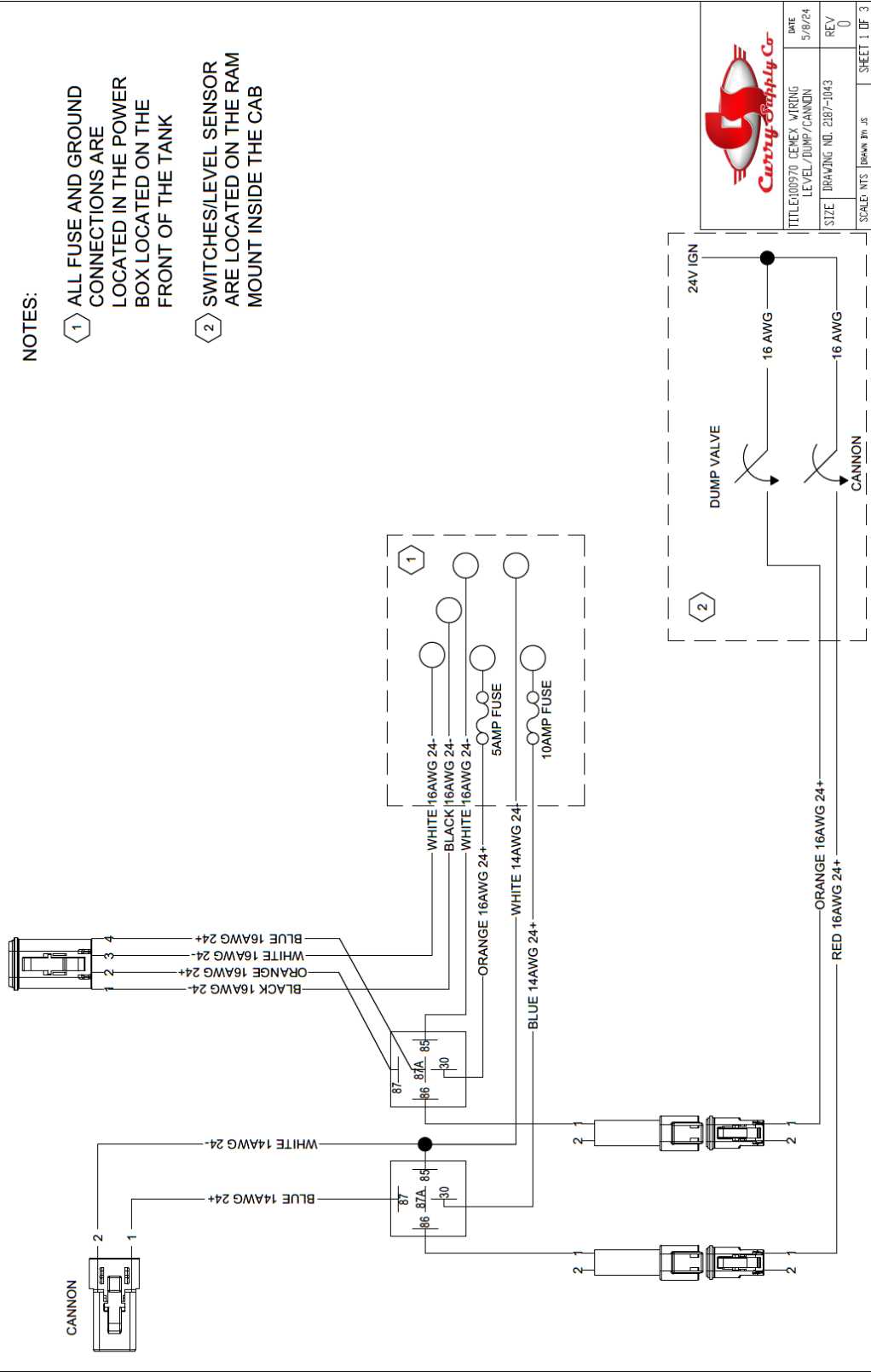


Last Revised 01/23/23

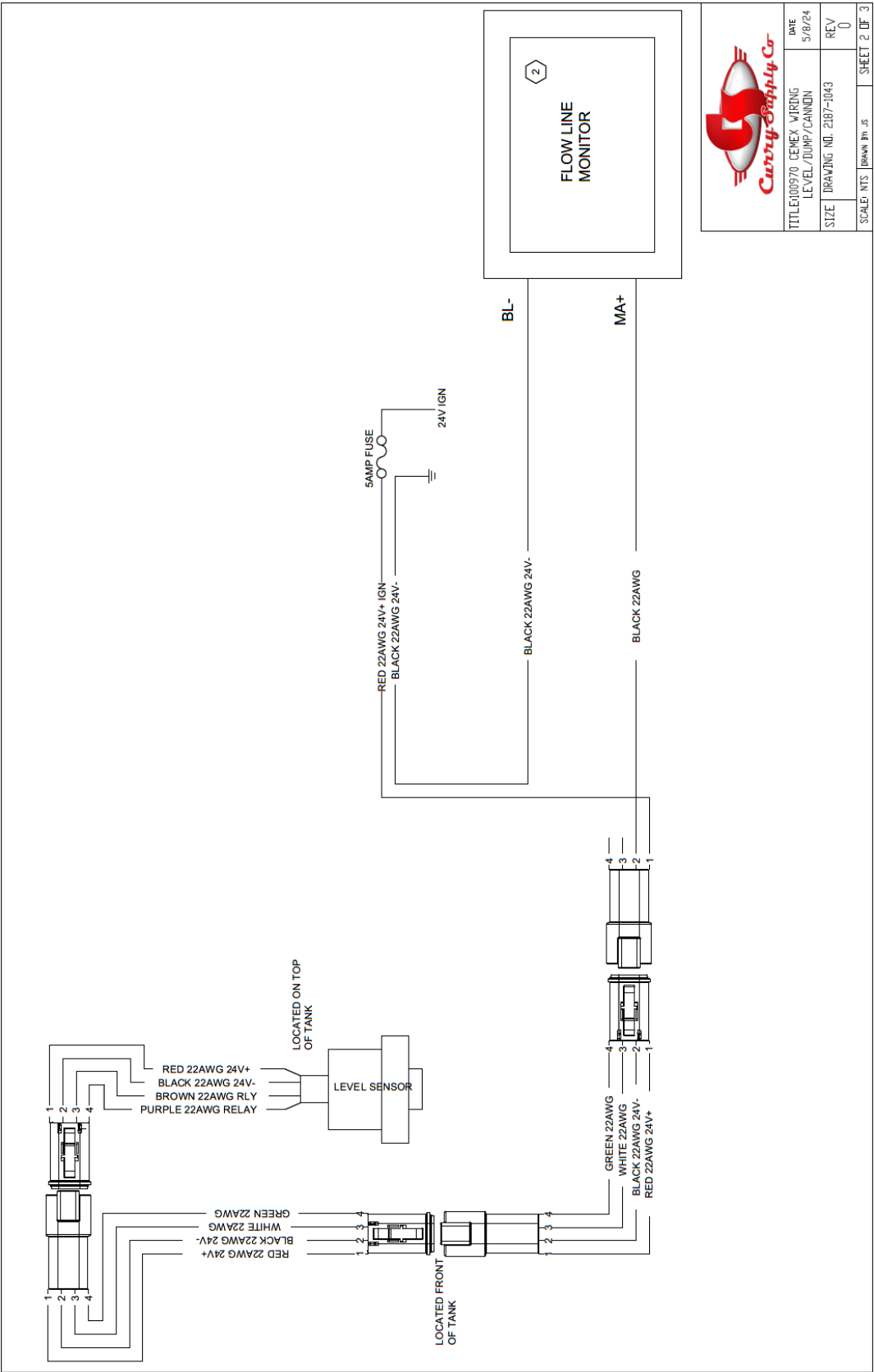
Elkhart Brass Mfg. Co., Inc. 1302 W. Beardsley Avenue • Elkhart, Indiana 46514 • 1-574-295-8330 • 1-800-346-0250
www.elkhartbrass.com



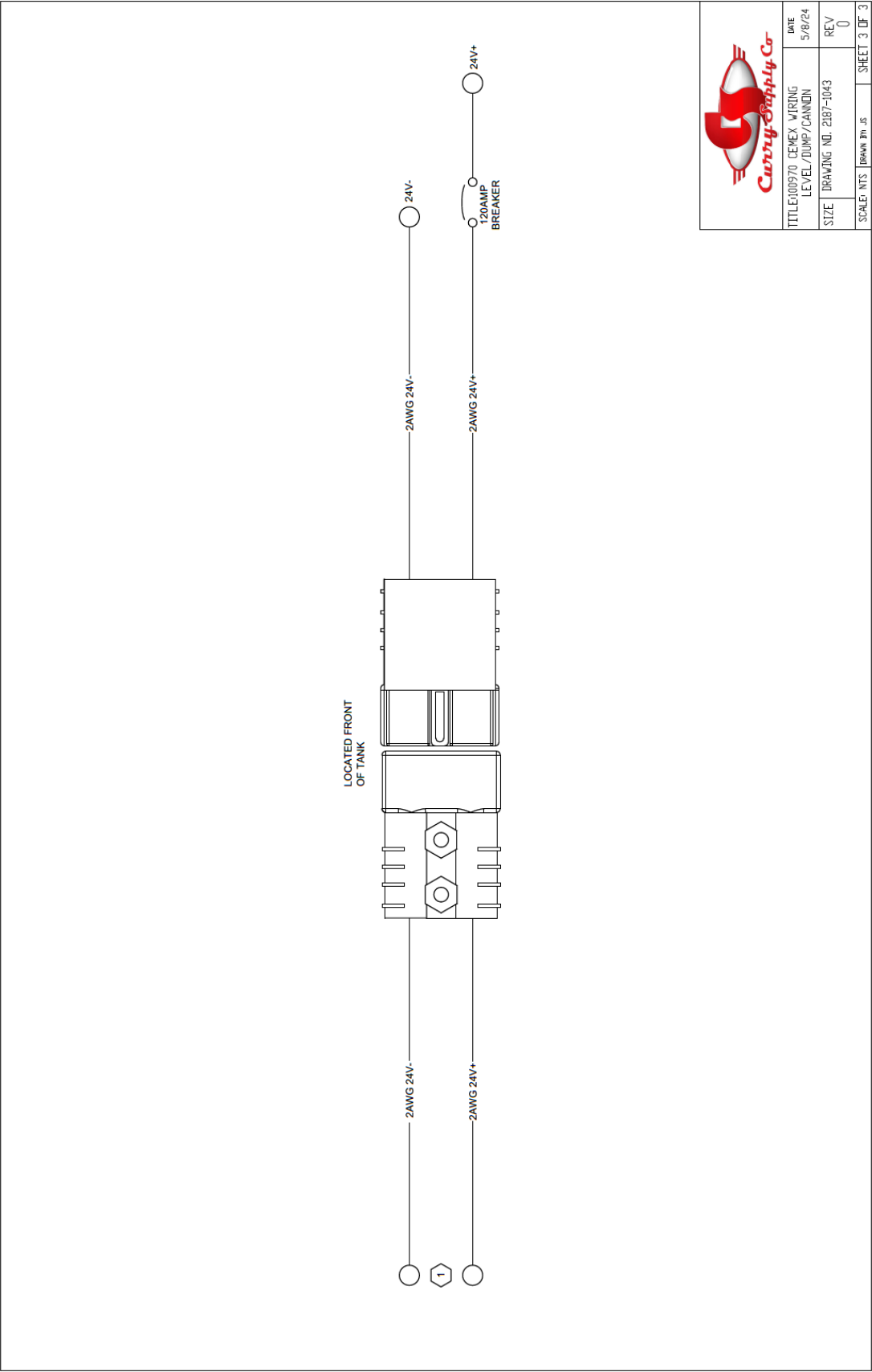




TITLE	000970 CEMEX WIRING LEVEL/DUMP/CANNON	DATE	5/8/24
SIZE	DRAWING NO. 2187-1043	REV	0
SCALE	NTS	DRAWN BY	J5
SHEET	1	OF	3



TITLE	DATE
E00970 CEMEX WIRING	5/8/24
LEVEL/DUMP/CANNON	
SIZE	REV
DRAWING NO. 2187-1043	0
SCALE	SHEET 2 OF 3



TITLE: 00970 CEMEX WIRING		DATE
LEVEL / DUMP / CANNON		5/8/24
SIZE	DRAWING NO. 2187-1043	REV
		0
SCALE: NTS	DRAWN BY: JS	SHEET 3 OF 3

SECTION 6

Troubleshooting

PROBLEM	POSSIBLE CAUSE	REMEDIES
No water pressure	Water pump not working correctly	Check hydraulic flow and pressure from hoist valve
Water Pump not working	Blown fuse	Review the truck's manual for fuse location and replace blown fuse.
	Defective / Shorted Relay	
Spray head not spraying water	Spray head not open	Make sure spray head is open on tower or control dash.
	Water pump not turned on	Turn on water pump to get power to water pump.
Water Cannon will not function	Water Cannon Power not turned on	Turn on power by pulling up on water cannon power knob.
	Blown fuse	Review the truck's manual for fuse location and replace blown fuse.
Water Cannon will not move, moves intermittently	Debris blocking movement	Check for debris and clear obstruction.
	Monitor wires damaged	Inspect wires for connection or splicing, replace or contact customer service.



For technical help or parts, please have the model number available and call our customer service 800.345.2829

SECTION 7

Warranty & Proprietary Information

Curry Supply Company warrants products designed and manufactured by Curry Supply Company to be free from defects in material and workmanship under proper use and maintenance. Products must be installed and operated in accordance with Curry Supply's written instructions and capacities. All warranty periods will begin on the in-service date as defined in this document. This warranty shall cover the following Curry Supply Products:

	1 Year	2 Years	Variable
On Road Water / Flatbed / Crash Attenuator / Lube Skid			
Curry Manufactured Components		✓	
Paint Coverage on Curry Manufactured Parts	✓		
Parts	✓		
Repair Labor	✓		
Off Road / Dump / Industrial Carrier / Vacuum / Winch / Railroad			
Tank	✓		
Tank Exterior Paint Coverage	✓		
Parts	✓		
Repair Labor	✓		
Mechanics			
Body (Refer to Manufacture Warranty)			✓
Crane (Refer to Manufacture Warranty))			✓
Paint Coverage (Refer to Manufacture Warranty)			✓
Parts (Refer to Manufacture Warranty)			✓
Repair Labor (Refer to Manufacture Warranty)			✓
Lube			
Body (Refer to Manufacture Warranty)	✓		
Tanks (Refer to Manufacture Warranty)			✓
Parts	✓		
Repair Labor	✓		
Paint Coverage	✓		
Utility Lift			
Body (Refer to Manufacture Warranty)			✓
Lift (Axion)			✓
Parts	✓		
Repair Labor	✓		
Body Paint Coverage	✓		



Definitions

Curry Supply Manufactured Components/Structures – Includes any structural weldment or load bearing support structure manufactured by Curry Supply Company.

Rust Through on Curry Supply Components/Structures – Rust Through is defined as a hole in the metal caused by corrosion. Excluded is corrosion caused by external caustics, including but not limited to improper cleaning material, road salt and other chemicals left on the structure for extended periods of time.

Paint Coverage on Curry Supply Manufactured Parts – Curry Supply guarantees that exterior paint will not fail in terms of adhesion, blistering or unreasonable loss of color or gloss for a 1-year period. Excluded is damage such as chips, dents, scratches, tank interior coating, and corrosion due to caustic chemicals (e.g. Brine Solution / Leachate) and dirt build-up. Regular cleaning and maintenance of the product to remove external factors is expected to keep this warranty in force.

Vendor Supplied Components/Structures – Products purchased by Curry Supply from outside vendors. These items shall be covered by the warranty offered by the respective manufacturer only. Curry Supply does not obligate itself to any such warranty.

Warranty Process

Curry Supply's obligation under this warranty is limited to, and the sole remedy for any such defect shall be, the repair and/or replacement (at Curry Supply's option) of the unaltered part and/or component in question. Curry Supply after-sales service personnel must be notified by telephone, email, or letter of any warranty applicable damage within fourteen (14) days of its occurrence. If possible, Curry Supply will ship the replacement part within 24 hours of notification by the most economical, yet expedient, means possible. Expedited freight delivery will be at the expense of the owner.

Warranty claims must be submitted and shall be processed in accordance with Curry Supply's established warranty claim procedure. Curry Supply after-sales service personnel must be contacted prior to any warranty claim. A return materials authorization (RMA) may be issued to the claiming party prior to the return of warranty parts. Parts returned without prior authorization will not be recognized for warranty consideration. All damaged parts must be returned to Curry Supply freight prepaid; freight collect returns will be refused. Freight reimbursement of returned parts will be considered as part of the warranty claim.

Warranty Repair

Warranty service will be performed by any Curry Supply factory, Curry Supply mobile technician, Curry Supply authorized service partner, or by the affected owner. At the time of requesting warranty service, Curry Supply after-sales service personnel will verify date of delivery of the product. The owner shall be obligated to pay for any overtime labor requested of the servicing company by the owner, any field service call charges, and any towing and/or transportation charges associated with moving the equipment to the designated repair/service provider.

All obligations of Curry Supply and its service providers shall be voided if someone other than an authorized Curry Supply provider performs other than routine maintenance service without prior written or verbal approval from Curry Supply. In the case repair work is performed on a Curry Supply-manufactured product, original Curry Supply parts must be used to keep the warranty in force. The warranty may also be voided if the product is modified or altered in any way not approved, in writing, by Curry Supply.

Warranty Limitations/Responsibilities

This warranty covers only defective material and workmanship. It does not cover depreciation or damage caused by normal wear and tear, accident, mishap, untrained operators, or improper or unintended use. The owner has the obligation of performing routine care and maintenance duties as stated in Curry Supply's written instructions, recommendations, and specifications. Any damage resulting from owner/operator failure to perform such duties shall void the coverage of this warranty. The owner will pay the cost of labor and supplies associated with routine maintenance.

The only remedies the owner has in connection with the breach or performance of any warranty on the Curry Supply product specified are those set above. In no event will Curry Supply, or any company affiliated with Curry Supply, be liable for business interruptions, costs of delay, or for any special, indirect, incidental, or consequential costs or damages. Such costs may include, but are not limited to, loss of time, loss of revenue, loss of use, wages, salaries, commissions, lodging, meals, towing, hydraulic fluid, or any other incidental cost.

All products purchased by Curry Supply from outside vendors shall be covered by the warranty offered by that respective manufacturer only. Curry Supply does not participate in, or obligate itself to, any such warranty.



11-Aug-25

Curry Supply reserves the right to make changes in design or improvement upon its products without imposing upon itself the same upon its products theretofore manufactured.

This warranty will apply to all Curry Supply manufactured components/structures and upfit workmanship shipped from Curry Supply's factory. The warranty is for the use of the original owner only and is not transferable without prior written permission from Curry Supply.

Curry Supply After-Sales Contact Information:

Phone: (800) 345-2829

Email: service@currysupply.com

Mailing Address: 1477 DeGol Industrial Drive, Hollidaysburg, PA 16648

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISION OF MATERIAL AND SERVICES, AS SPECIFIED HEREIN. CURRY SUPPLY COMPANY IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

EXCEPT AS STATED, THERE IS NO WARRANTY, EXPRESS OR IMPLIED, IN CONNECTION WITH THE DESIGN, MANUFACTURE, SALE OR USE OF THE MACHINERY, ACCESSORIES, EQUIPMENT AND PARTS SOLD BY CURRY SUPPLY CO. CURRY SUPPLY COMPANY'S LIABILITY ON ITS WARRANTY SHALL IN NO EVENT EXCEED THE COST OF THE ITEM OF SALE.

