



Operator Manual

Lube Truck Van



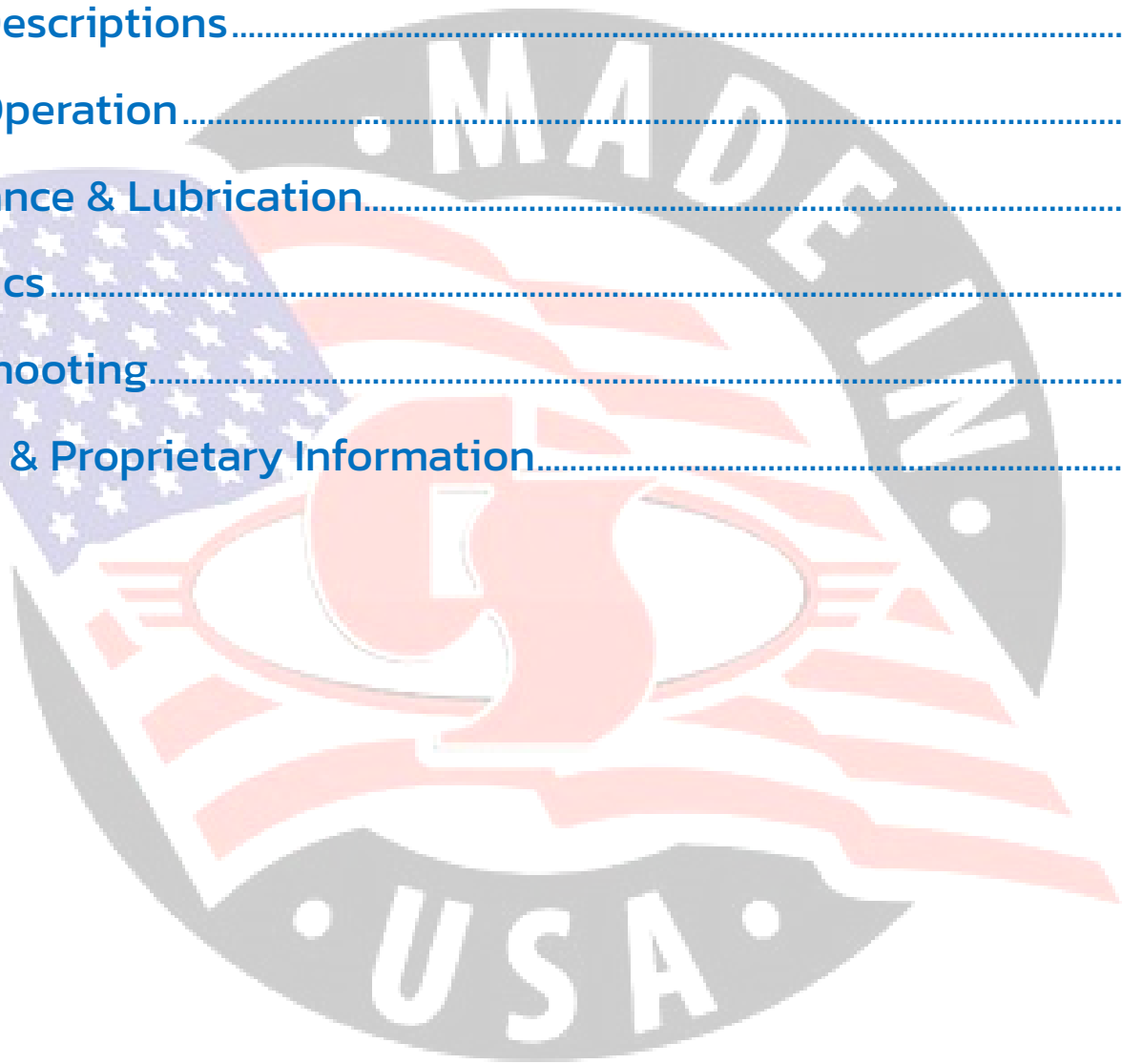
Curry Supply Co., 1477 Degol Industrial Drive, Hollidaysburg, PA 16648

YOUR JOBS. OUR TRUCKS.

TABLE OF CONTENTS

Sections

Introduction & Safety Messages.....	3
System Descriptions.....	6
Normal Operation.....	10
Maintenance & Lubrication.....	15
Schematics.....	17
Troubleshooting.....	25
Warranty & Proprietary Information.....	27



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 Company Lube Truck". 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 operator manuals may be found by clicking the following link:

<https://currysupply.com/product-support/>

All personnel working on or operating the vehicle 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.


SAFETY MESSAGES

The truck has several decals. Be sure to replace any that become difficult to read or begin to peel off. Anyone who uses or works with the

truck should be familiar with this manual and all the decals.


CAUTION

NEVER USE EQUIPMENT IF IT MAKES UNUSUAL NOISES, HAS VIBRATIONS, OR FAILS TO OPERATE FREELY.




WARNING

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




WARNING

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




WARNING

DO NOT WALK ON TOP OF THE VEHICLE. FALLING FROM VEHICLE CAN RESULT IN SERIOUS 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 CHOCK THE WHEELS IMMEDIATELY UPON EXITING THE VEHICLE.



NOTE

ALL EQUIPMENT REPAIRS SHOULD BE DONE BY AN AUTHORIZED DISTRIBUTOR WHO KNOWS HOW THEY WORK AND HOW TO KEEP THEM SAFE. ANY REPLACEMENT PARTS MUST BE OF ORIGINAL QUALITY, AND ALL SAFETY AND OPERATION LABELS MUST BE ATTACHED AND EASY TO READ.


WARNING

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




WARNING

DO NOT OPERATE THE UNIT WHILE INTOXICATED OR EXTREMELY EXHAUSTED.



WARNING

ALWAYS WEAR THE PROPER PPE WHILE OPERATING THE UNIT.



WARNING


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





WARNING

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



CAUTION

PURGE ALL PRODUCT LINES BEFORE USE.
PRODUCT LINES CONTAIN HYDRAULIC FLUID
USED DURING TESTING. NOT PURGING WILL
RESULT IN OIL CONTAMINATION.

CAUTION

FILTER ALL PRODUCT WHEN FILLING THE
TANKS TO AVOID DEBRIS FROM ENTERING THE
SYSTEM.

SECTION 2

System Descriptions

SIDE VIEW OF TRUCK



REAR VIEW OF TRUCK



FRONT VIEW OF TRUCK



The truck shown in the pictures is built on a Mercedes chassis. It's equipped with a VMAC Underhood 40 air compressor. This Operator's Manual provides information on how to safely operate more than one version of the "Curry Supply Company Lube Truck." The truck shown may not exactly match your truck's configuration. "Custom" trucks may have different parts that aren't listed here. If your system isn't covered in this manual, please contact Curry Supply Co. Support at 800-345-2829 or service@currysupply.com.

EQUIPMENT

Trucks are manufactured with various equipment combinations. Find more information about these components by clicking the links below. If unsuccessful finding the information needed, call Curry Supply Company at 1-800-345-2829.

[Stellar Lube System](#)

[Graco Meter](#)

[VMAC Underhood 40 Compressor](#)

[VMAC Underhood 70 & 150 Compressor](#)

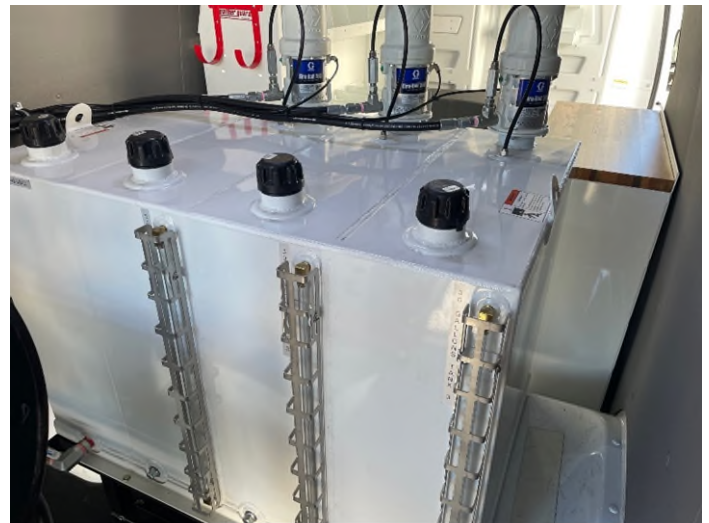
STELLAR LUBEMATE LUBE SYSTEM



Access through the rear cargo doors.

1. Tank 1 Dispenser Reel
2. Tank 2 Dispenser Reel
3. Control Panel
4. Tank 3 Dispenser Reel
5. Air Reel
6. Used/Waste Reel
7. Four-Port Valve
8. Used Filter Drawer

TANKS



Access through the side cargo door.

- Aluminum
- 3 product tanks
- 1 waste tank
- 50 gallons each
- Sight fluid level gauges

GRACO METER



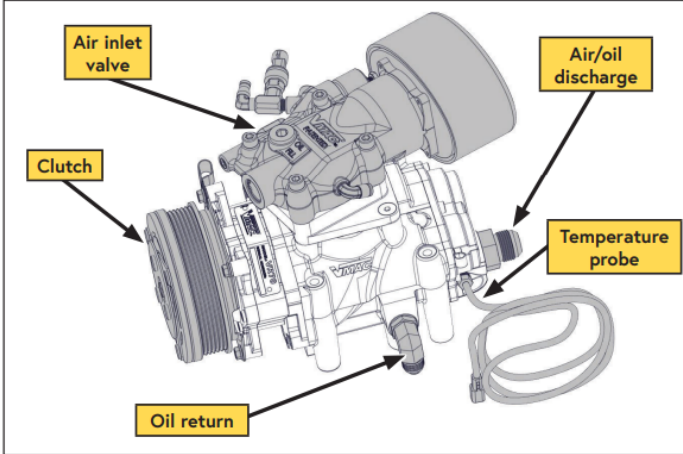
Each dispensing hose has a meter with two dials. The outer dial shows the number of quarts, while the inner dial shows pints. The

17-Dec-24

digital display shows the total amount of quarts that have been dispensed since last reset.

VMAC COMPRESSOR SYSTEM

Mounted on Truck Engine - Compressor



Installed in Cargo Bay - WHASP tank

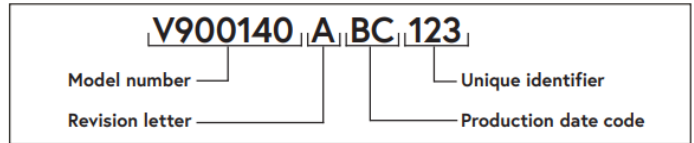


The compressor and the WHASP tank are the major components of the compressor system.

CAUTION

A MINIMUM OF 6 INCHES OF CLEARANCE AROUND THE WHASP TANK MUST BE MAINTAINED TO ALLOW FRESH, COOL AIR TO CIRCULATE INTO THE COOLER AND FAN.

System ID



The system ID is the best way to obtain information about the specific compressor mounted to the truck. The ID plate can be found on the radiator cross member, or in some instances, the inner fender or firewall.

AUXILIARY CONTROL PANELS

OVERHEAD



DASH



These panels control various truck components, including flood lights, compartment lights, strobe lights, work lights, and air compressor. The truck key must be in the "on" position, or the truck must be running, to activate these systems.

EMERGENCY BRAKE



Located to the right of the driver seat.

TRUCK BODY



The side cargo door is located on the passenger side of the vehicle. Pull the handle toward you and slide the door to the rear of the vehicle until it stops.



To close the side cargo door, push in on the latch mechanism and slide the door to the front of the vehicle.

SECTION 3


Normal Operation


This section provides the vehicle operator with step-by-step operating procedures for the most common configuration of the truck. Please find additional and maybe more specific information for your configuration at the links shared in section two of this manual.

1. Pull to the work site, disengage the drive axle (neutral/park) and apply the emergency brake.



Pull the emergency brake lever up to engage. Push the button at the end of the lever and push down to disengage. A message will show on the console indicating if the emergency brake is on.

WARNING	
ALWAYS APPLY THE EMERGENCY BRAKE BEFORE EXITING THE VEHICLE.	

WARNING	
ALWAYS CHOCK THE WHEELS IMMEDIATELY UPON EXITING THE VEHICLE.	

Before operating the vehicle, be sure to do a walk-around inspection. Pay close attention to any leaks or damaged hoses.

2. With the air system depressurized and all air outlets closed, press the air compressor button on the auxiliary control panel. The light in the button will turn on.



CAUTION	
DO NOT PARK ON GRADES EXCEEDING 20° AS THIS WILL AFFECT LUBRICATION AND AIR/OIL SEPARATION WITHIN THE VMAC COMPRESSOR SYSTEM.	

CAUTION	
WAIT FOR THE COMPRESSOR SYSTEM TO DEPRESSURIZE BEFORE RESTARTING.	

- 3. Press the button to turn on the VMAC Compressor System.



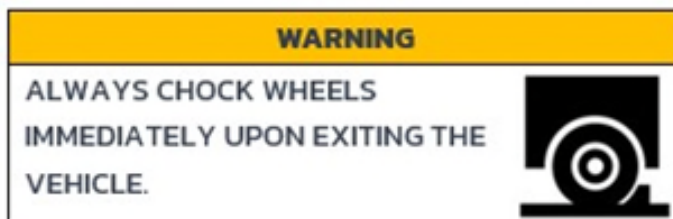
- 6. Go to the back of the vehicle and open the rear cargo doors.



- 4. Press the auxiliary control buttons of the lights to be used.



- 5. Exit the vehicle and place a chock behind one front wheel and in front of one rear wheel.



DISPENSING FLUID

- 7. Choose the reel of the product to be used and activate that system with the control panel.



17-Dec-24

The dispensing meter may be operated with a preset automatic shut off or a manual shutoff.

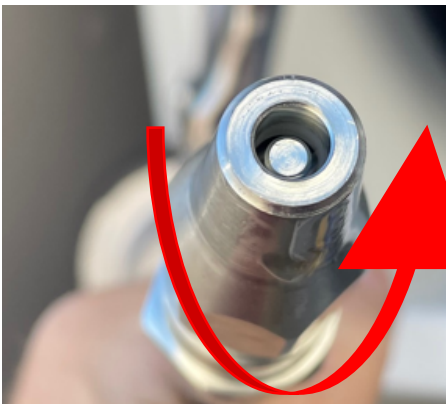
8a. Preset Shut Off

- a. Set the dispensing meter to the amount needed. Turn the meter pointer counterclockwise to the amount needed.



CAUTION
TO AVOID COSTLY METER DAMAGE, NEVER TURN THE METER POINTER BACKWARDS (CLOCKWISE).

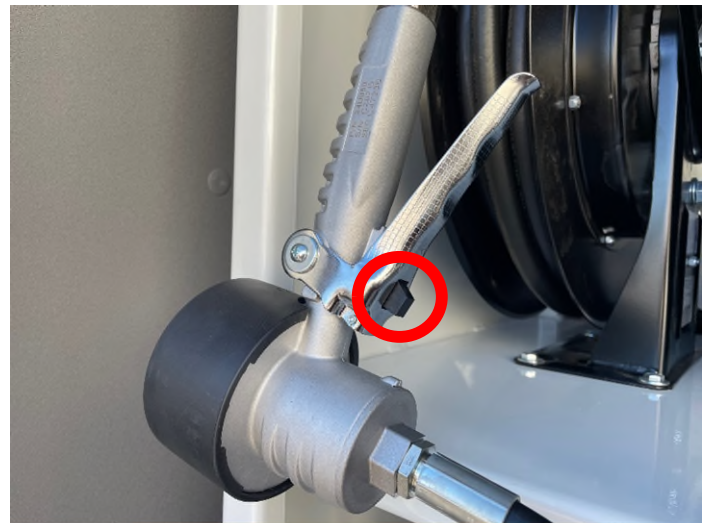
- b. Turn the twist lock nozzle counterclockwise to open the nozzle.



- c. Direct the nozzle where fluid is to be dispensed and pull the trigger. The trigger will latch automatically. Dispensing will shut off when the preset amount is reached.



- d. Push in the lock button and release the trigger.



- e. Turn the twist lock nozzle clockwise to close the nozzle.



8b. Manual Shut Off

Follow steps b, c, d and e above (skip step a).
Return the meter pointer to zero when finished.

WASTE OIL - SUCTION

- 9. Perform steps 1 through 6 above. Pull the waste oil hose to the container to be emptied and move the four-port valve to "PUMP SUCTION".



- 10. Turn on the Used oil switch.



- 11. When finished, turn off the "USED" oil switch and stow the hose.

CAUTION

TO AVOID CLOGGING, IT IS RECOMMENDED TO USE A SUCTION BELL AT THE END OF THE HOSE TO KEEP DEBRIS FROM ENTERING THE SYSTEM.

NOTE

IF AN AIRLOCK FORMS WITHIN THE SYSTEM, CYCLE THE FOUR-PORT VALVE TO "PUMP PRESSURE" TO PUSH FLUID THROUGH THE SYSTEM, ELIMINATING THE AIR LOCK.

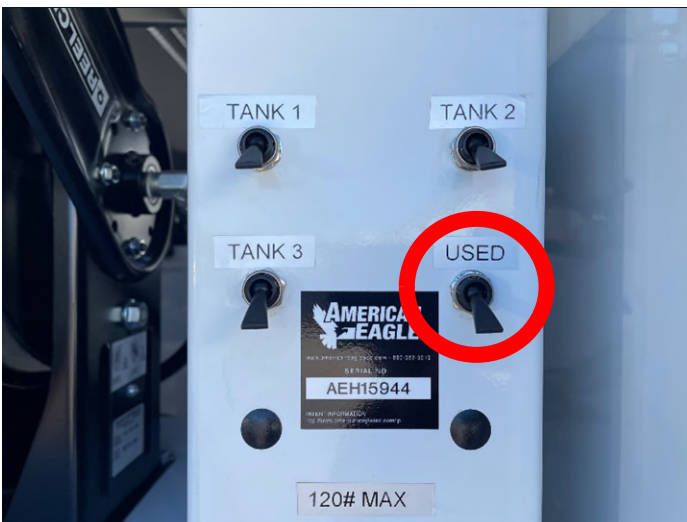
17-Dec-24

WASTE OIL - PRESSURE

12. Perform steps 1 through 6 above. Pull the waste oil hose to the container to be filled and move the four-port valve to "PUMP PRESSURE".



13. Turn on the Used oil switch.



14. When finished, turn off the Used oil switch and stow the hose.

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 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 that the engine oil, coolant, Hydraulic fluid, and wiper fluid are all at the right levels.

Hoses – Check for leaks and cracks, and make sure everything is securely fastened.

TRUCK BODY

Daily

- Ensure doors latch securely.
- Insert the key into each door and turn to lock. Ensure the doors do not open.
- Insert the key into each door and turn to unlock. Ensure the doors open.

Monthly

- Lubricate hinges with white lithium spray lubricant.
- Spray door locks with lock lubricant.

GRACO METER

Weekly

- Clean strainer.



As Needed

- Disassemble and clean per pages 14 through 17 of the Graco Meter manual supplied with the truck and with the links found in section two of this manual.

VMAC COMPRESSOR

CAUTION

THE COMPRESSOR SYSTEM MUST BE RUN A MINIMUM OF ONCE EVERY 30 DAYS FOR AT LEAST 30 MINUTES TO PROVIDE LUBRICATION AND PREVENT PREMATURE BEARING FAILURE.

The following is the maintenance schedule for the VMAC Underhood 40 Air Compressor system. Please refer to the supplied owner's manual for the Air Compressor system on the truck. The owner's manual may also be obtained using the link in section two of this manual.

Daily

- Check compressor oil level.
- Check FEAD belt.
- Check system for leaks.
- Check pressure relief valve condition.

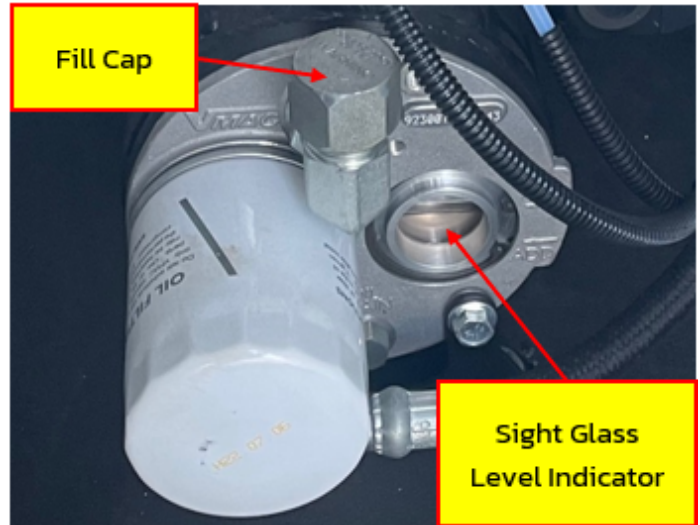
Every 6 Months or 200 hours

- Change compressor oil
- Change compressor oil filter
- Change compressor air filter
- Check pressure relief valve condition

Every 12 Months or 400 hours

- Change compressor oil
- Change compressor oil filter
- Change compressor air filter
- Change pressure relief valve
- Change coalescing filter
- Change blowdown muffler

oil level capacity is 4 L.



CAUTION

VMAC APPROVED COMPRESSOR OIL MUST BE USED IN THE SYSTEM. DO NOT OVERFILL SINCE THIS WILL FLOOD THE SIGHT GLASS AND MAKE THE SYSTEM APPEAR EMPTY.

PRODUCT TANKS

Inspect the tanks frequently for debris, sludge & cross contamination. Clean as needed.

OTHER EQUIPMENT

Please refer to the specific manual for the equipment in question. Information may be found in the manuals supplied with the truck and with the links found in section two of this manual.

SECTION 5

Schematics

VMAC Control Components Overview SCH1-1	Page 18
VMAC Control Module SCH2-1	Page 19
VMAC Interface Panel SCH3-1	Page 20
VMAC Digital Throttle Control SCH4-1	Page 21
VMAC WHASP Tank Mechanical Pressure Switch SCH5-1	Page 22
VMAC Electrical Schematic 1 SCH6-1	Page 23
VMAC Electrical Schematic 2 SCH6-2	Page 24

CAUTION

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

Control Components Overview

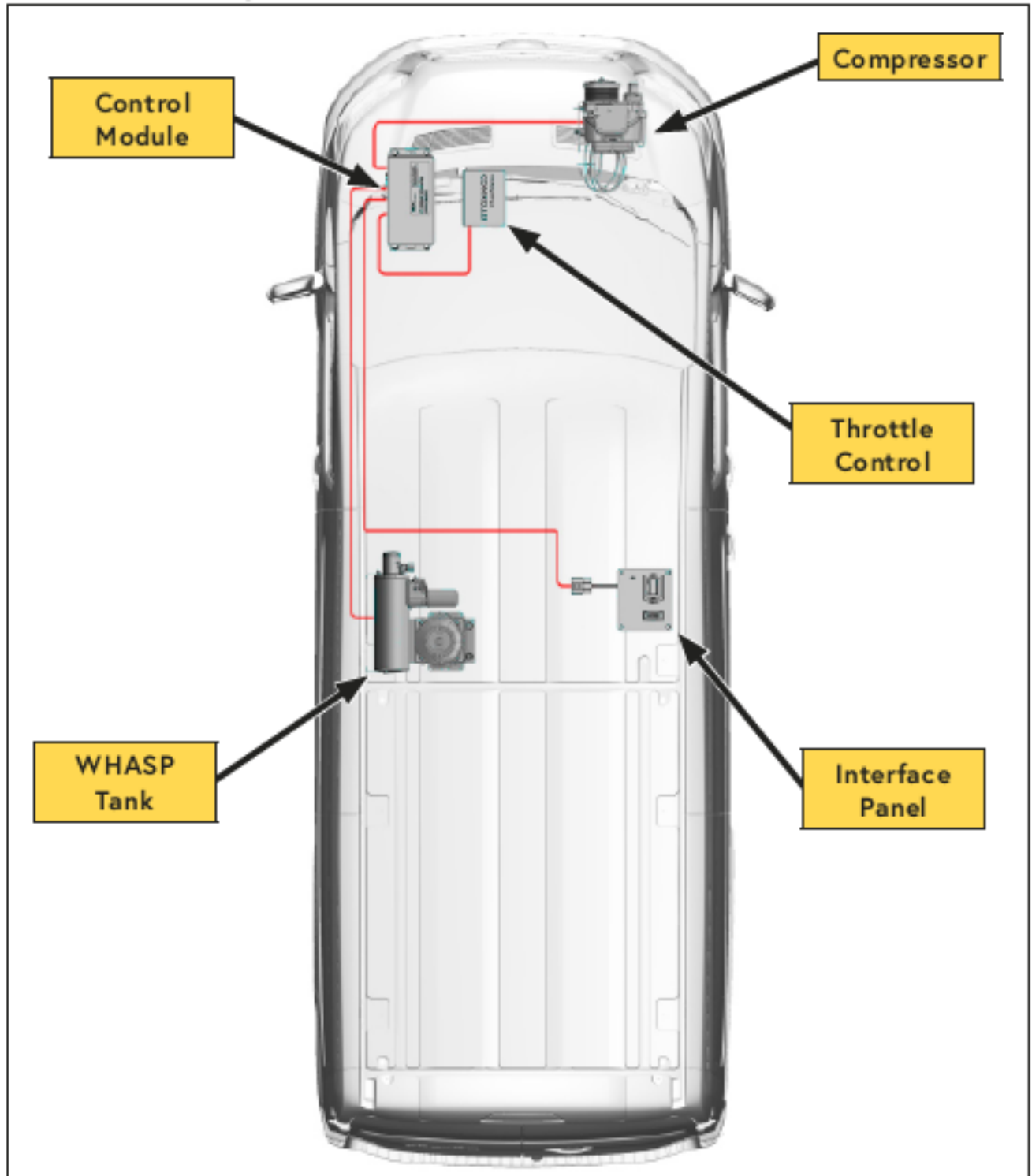


Figure 50 — General component overview
(Actual installation locations may vary)

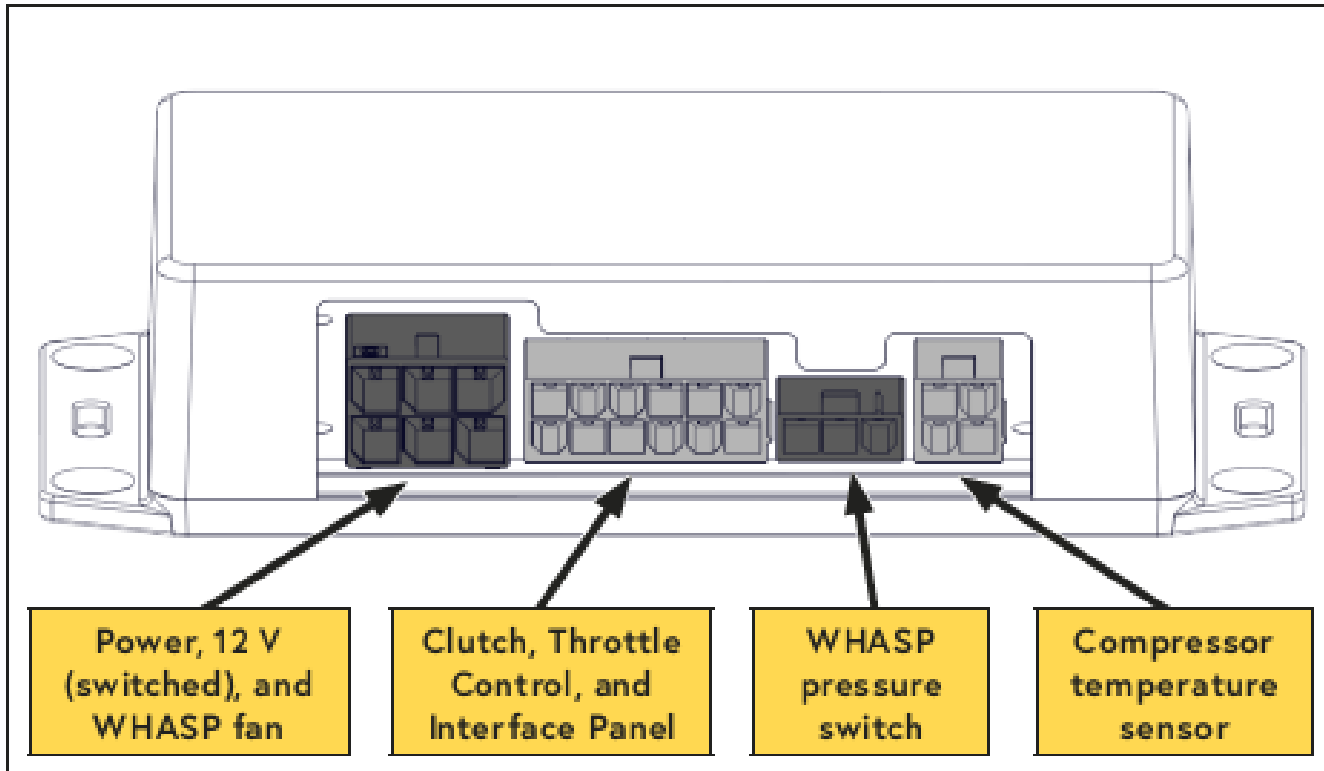


Figure 51 — Control Module

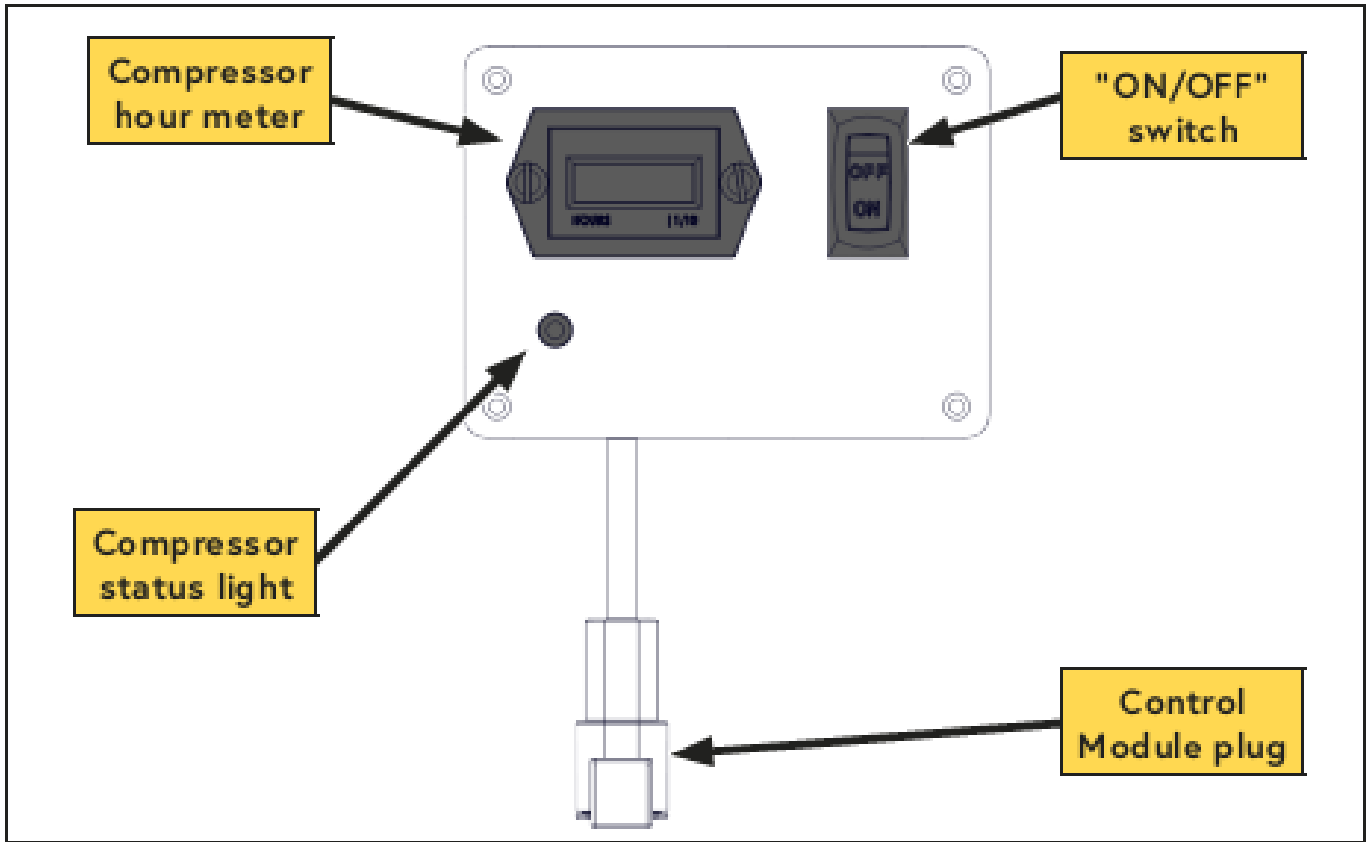


Figure 52 — Interface Panel

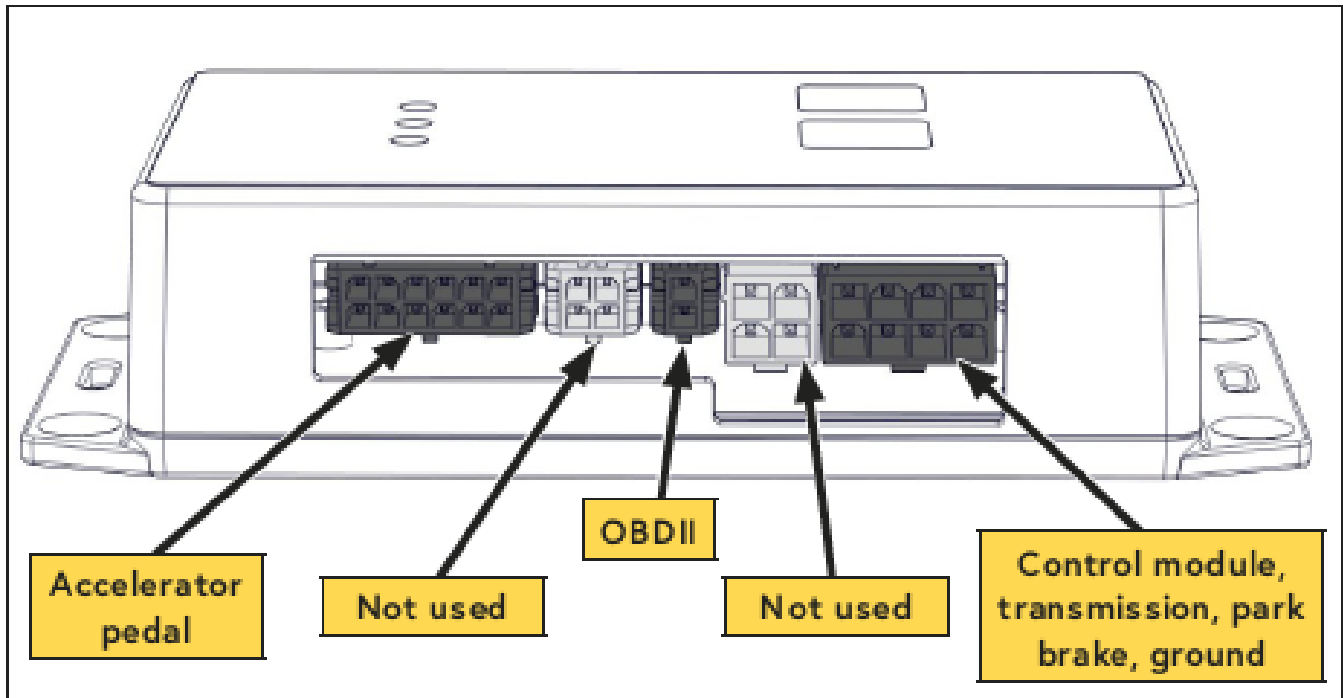


Figure 53 — VMAC digital Throttle Control

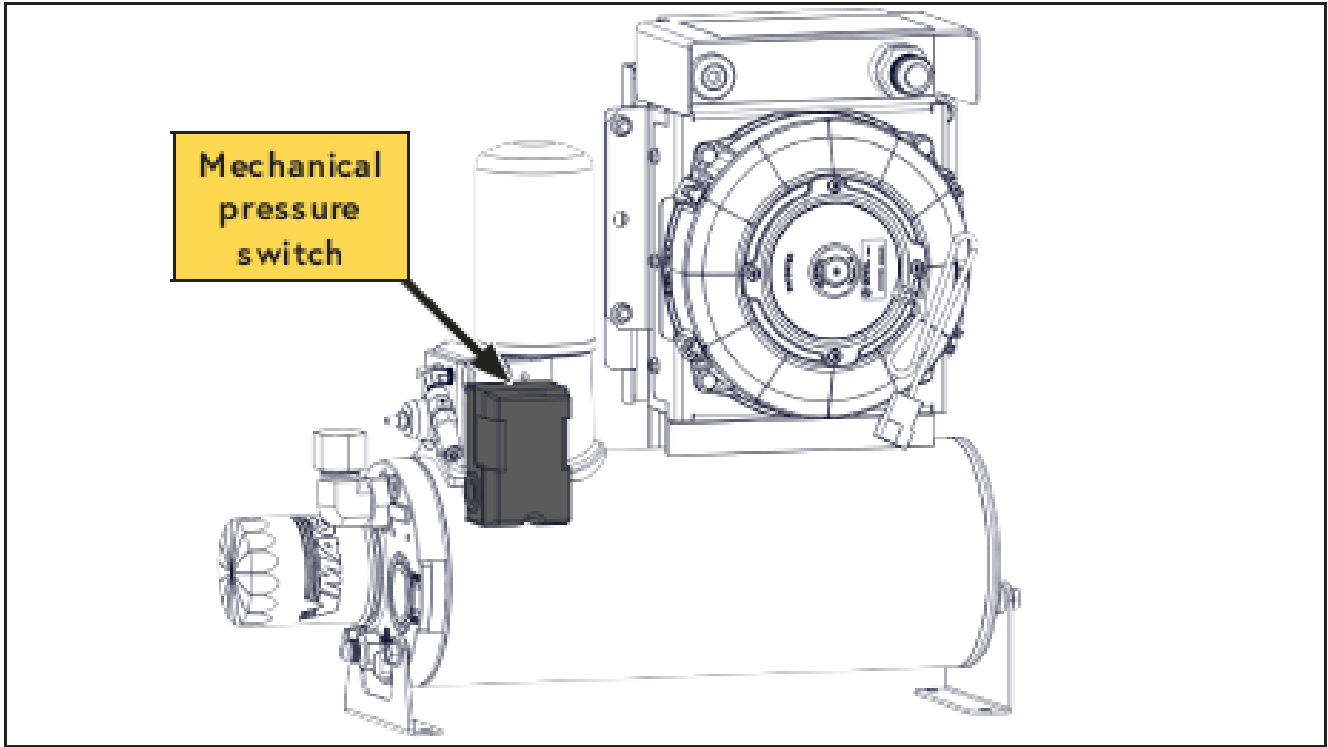


Figure 54 — WHASP Tank pressure switch

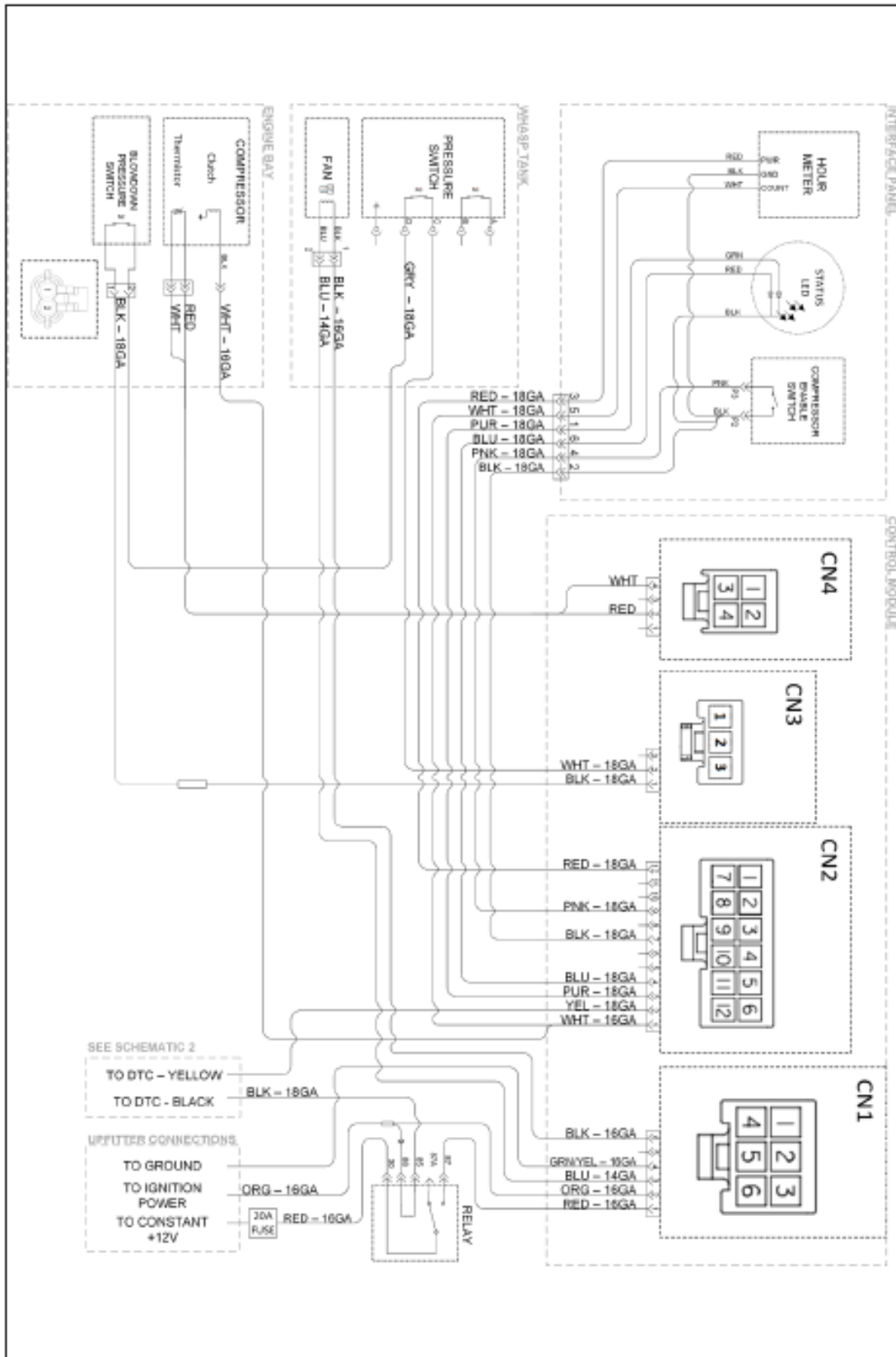


Figure 55 — Electrical schematic 1

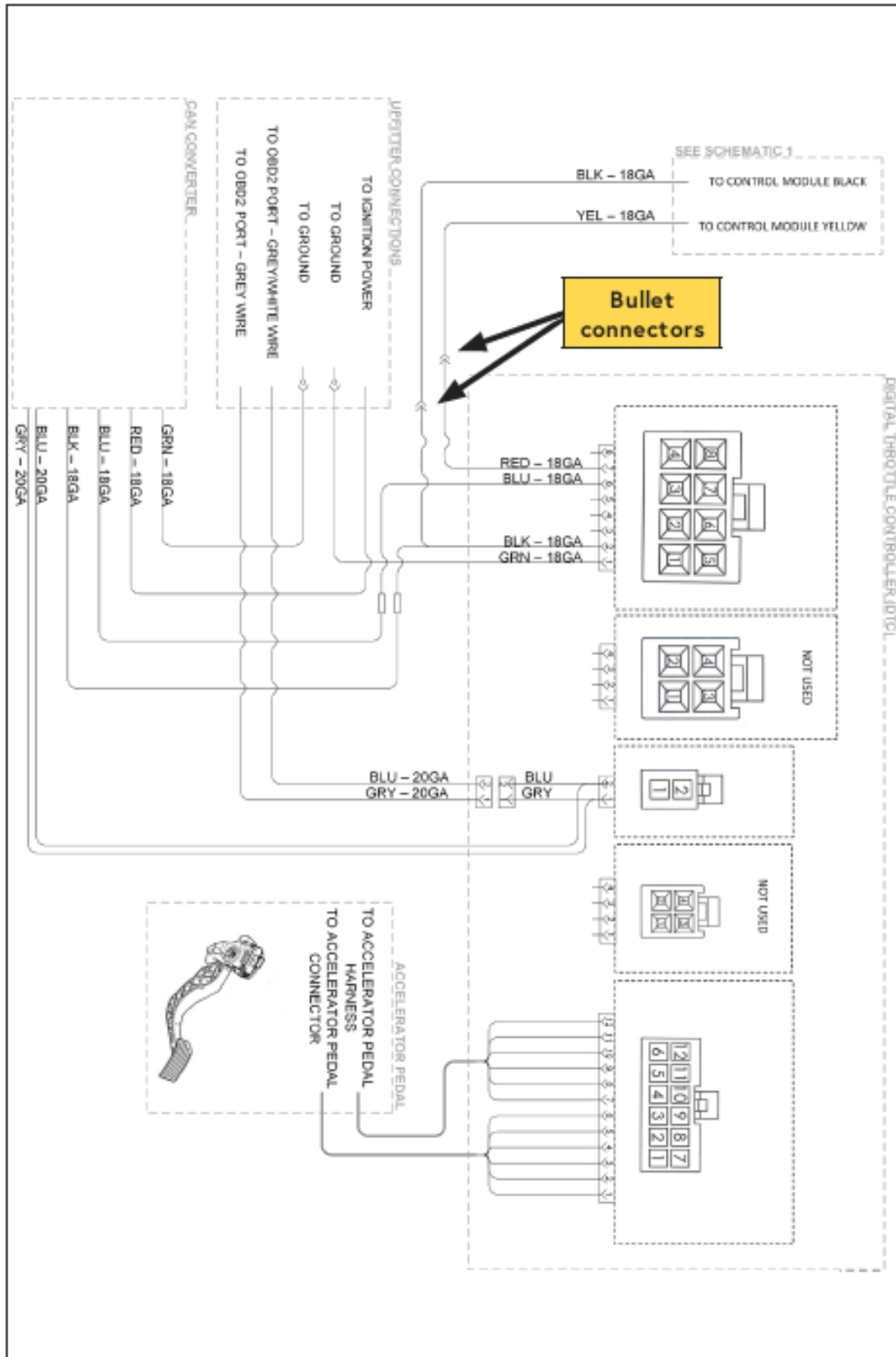


Figure 56 — Electrical schematic 2

SECTION 6

Troubleshooting

PROBLEM	POSSIBLE CAUSE	REMEDIES
Truck cranks with the key switch but will not run.	The theft deterrent disable switch is in the "ON" position (if equipped).	Turn the theft deterrent switch off.
The truck engine runs erratically or stalls when controls are operated.	The idle speed is too slow.	Increase the engine speed.
	The engine is still cold.	Wait until the truck engine is warm.
	The engine needs a tune up.	Call Curry Supply Company for service 800.345.2829.
	The lock is full of ice.	Spray lock with de-ice spray.
	The key is the wrong one for the lock.	Use the correct key.
The hydraulic system is overheating.	The main system relief valve is set too low or is open because of contamination.	Call Curry Supply Company for service 800.345.2829.
	The hydraulic system operating pressure is too high.	Call Curry Supply Company for service 800.345.2829.
	Excessive hydraulic oil flow because of improper PTO ratio or the truck engine is operating at an excessive speed.	Reduce engine speed. If it is still overheating, refer to the manufacturer's service and maintenance manual.
Slow or no fluid flow.	See page 13 of the meter manual.	Graco Meter
Meter leaks from twist lock nozzle.		
Meter leaks from swivel.		



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.

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.

17-Dec-24

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.

