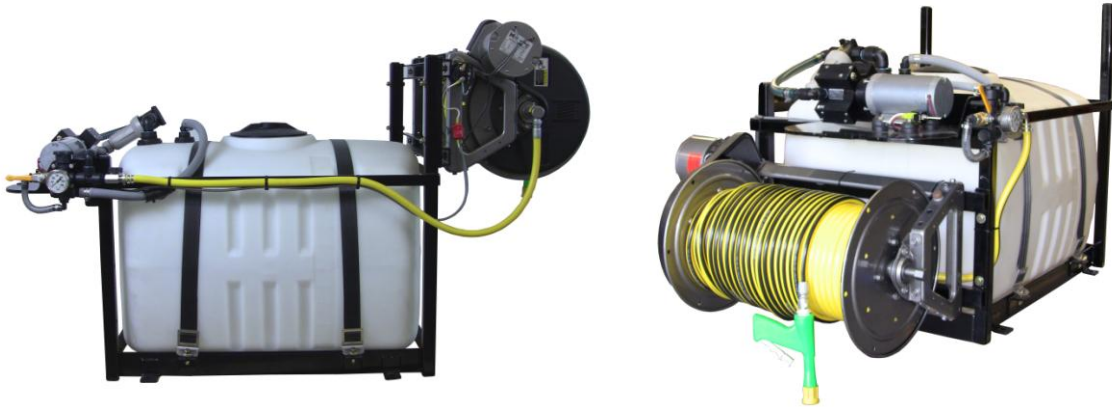




GREGSON-CLARK Spraying Equipment

Electric V-Series Sprayers Operator's Manual



Do not hesitate to call your dealer or Gregson-Clark directly with any questions or concerns. We welcome your comments and suggestions on how we can continue to improve this product. There are separate manuals for the hose reel, and pump included with the sprayer.

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SAFETY PRECAUTIONS

Pesticides can cause personal injury and harm the environment when used improperly. Be sure to follow label recommendations concerning safety and disposal. Observe all safety precautions including wearing protective clothing and equipment.

- Calibrate and test using clean water.
- Check before each use for leaks or damage.
- Read and follow the label instructions of the products used.

NOTE:

Electric V-Series skid sprayers are available with many different component options. The photos and information shown herein are intended to be general guidelines. Please refer to the additional manuals provided for information regarding the specific components of your sprayer or call us at 1-800-706-9530.

SET-UP AND ASSEMBLY

Check for apparent signs of shipping damage and that the order is complete. Carefully uncrate the sprayer and report any freight damage or shortages. Claims must be within five days of delivery. The sprayer was completely assembled and tested prior to shipping. Some disassembly may have been required for shipping. Re-attach the reel to the frame in the desired location. Mount the reel on the end opposite the pump for use in pick-up trucks or under the pump when used in enclosed trailers or vans. (See photos 1 & 2) Install the supply hose from the regulator to the hose reel if not attached.



Photo 1 Reel mounted opposite pump.



Photo 2 Reel mounted under pump

In a pick-up truck, the sprayer typically is mounted in the forward-most position against the front wall of the truck bed. Secure the frame by bolting through the truck bed or by using a ratchet strap if suitable anchoring locations are available. (See photo 3) Note that your skid must be secured in compliance with your local Department of Transportation regulations.

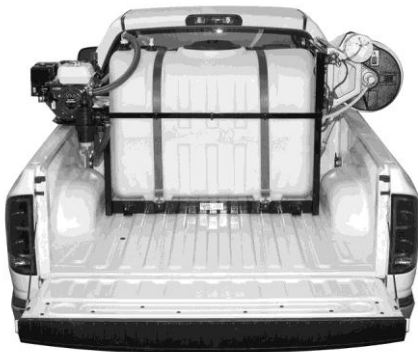


Photo 3 Sprayer mounted in truck

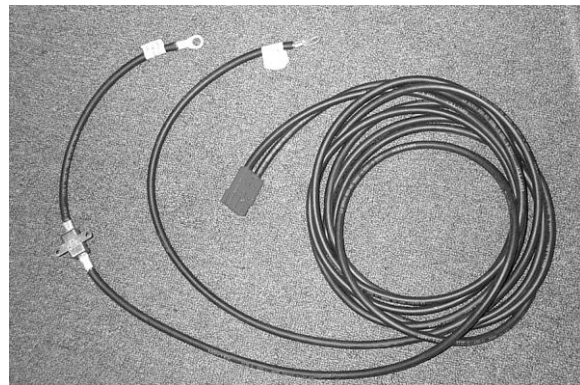


Photo 4 Wiring Harness

Do not exceed weight limitations of vehicle. The weight should be balanced left-to-right and positioned for-and-aft to distribute the weight in accordance with the capacities of the vehicle's axles.

If the sprayer is equipped with an electric hose reel, install the quick-disconnect wiring harness provided. (See photo 4) Once installed, the shorter section will stay with the sprayer and the longer section will remain with the truck. When removing the sprayer from the truck, simply pull the modular connectors apart. Refer to Diagram 1 (See page 4) and connect according to the labels on the terminals at the ends of the harness cables.

When connecting the ground wire to the truck frame, be sure to clean the contact area down to bare metal to ensure a good contact. When a reel will not rewind, it is often due to a faulty ground connection. Use extra care in protecting the wires from the exhaust system and any moving parts. Avoid any sharp edges that could cut through the wire insulation.

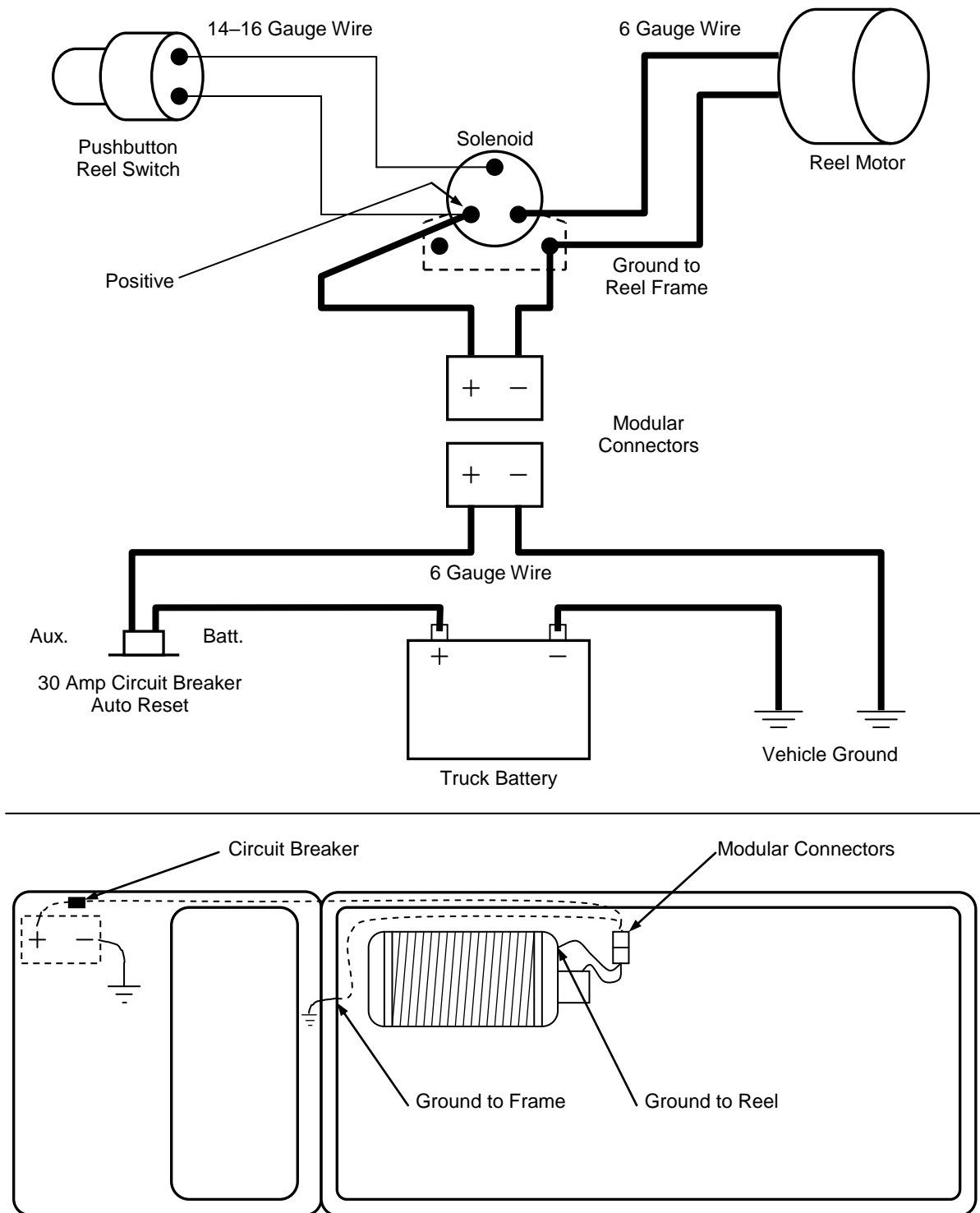


Diagram 1 Electrical Connections

START-UP AND TESTING

1. Attach wiring harness to sprayer from truck battery (see instructions on page 3 & 4).
2. Ensure that suction strainer bowl is on tight.
3. Fill the spray tank 1/4 full of clean water.
4. Place regulator in bypass position. (See photo 5)
5. Turn on power switch. (See photo 6)

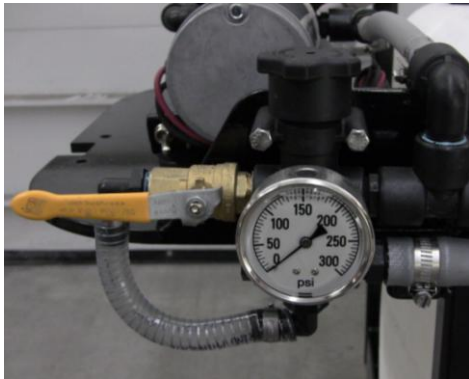


Photo 5 - Bypass lever



Photo 6 - Power switch

6. Liquid should be visible after a few seconds as it moves through the suction hose. Liquid agitation in the tank should also be visible. Run the system in bypass mode until there is no air in the suction lines.
7. Turn the regulator pressure-adjustment knob counter-clockwise until there is no longer any resistance. (See photo 7)
8. Rotate bypass lever to the **Spray** position. (See photos 7 and 8) Leaving the bypass lever partially open will provide more agitation to the tank while the system is spraying. Depending on your required rates you may need to close the lever completely to obtain maximum flow at the spray gun.

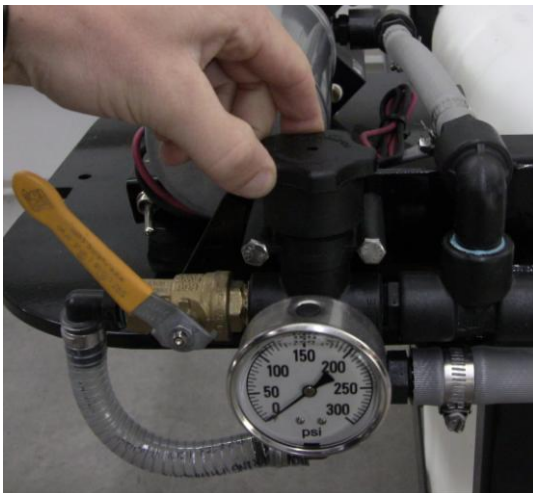


Photo 7 - Pressure adjustment knob



Photo 8 - Bypass lever fully closed

START-UP AND TESTING - CONT.

9. Slowly turn the adjustment knob clockwise. Note the increasing pressure on the gauge. Adjust to the desired pressure for your application. (See photo 7)
10. Shut off the pump and clean the filter. There may be small plastic particles remaining from the manufacturing process. See the Maintenance section (page 13) for instructions.

Overview of Operation

Liquid is drawn from the tank and through the suction strainer by a positive displacement piston pump. Excess flow returns to the tank through a pressure regulator. The returning flow provides agitation in the tank.

When the lever is in the bypass position, (See photo 5) the fluid returns to the tank under no restriction, therefore the system is at very low pressure. Move the lever to the bypass position when starting and shutting down the pump, when priming the pump, and when maximum agitation is desired. All spraying is done when the lever is in the spray position. (See photos 7 and 8)

Operating pressure is adjusted by turning the plastic knob on the regulator clockwise to increase pressure and counter-clockwise to decrease pressure. Pressure is only achieved when the lever on the regulator is in the spray position.

It is important that all fittings on the suction side of the pump, particularly the suction strainer, remain tight. Otherwise, the pump can draw air into the system and that will affect performance. The pump fittings are sealed with O-rings and should not be over-tightened.

COMPONENT DESCRIPTIONS

Photo 9 - Strainer Assembly



Complete Strainer Assembly – P/N AA126ML-3-30
 Replacement Body Assembly – P/N AA126ML-3-00
 Replacement Screen - P/N CP16903-3-PP

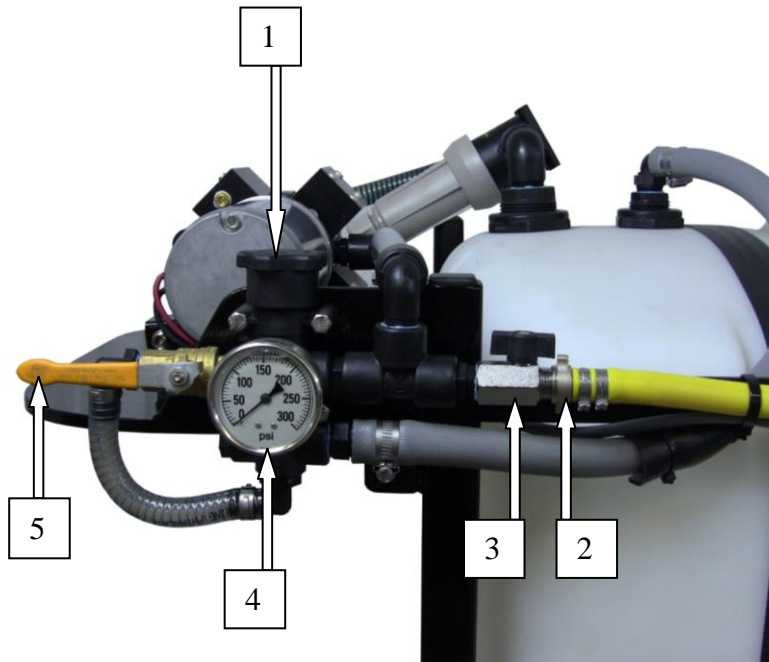
Tank Strap Kits



Photo 9 Tank Strap

Part Numbers

Kit	Strap (2)	Clamp (4)	Hex Bolt (4)	Hex Nut (4)	Washer (4)
TDK-50	TS198 x 9.4, 64" Lg	TD-200	0115110	1137185	1133859
TDK-100	TS198 x 12.9, 77" Lg	TD-200	0115110	1137185	1133859
TDK-150	TS198 x 12.0, 80" Lg	TD-200	0115110	1137185	1133859
TDK-200	TS198 x 16.8, 98" Lg	TD-200	0115110	1137185	1133859
TDK-300	TS198 x 16.8, 98" Lg	TD-200	0115110	1137185	1133859



# 1	Regulator Assembly P/N 80879
# 2	Hose Barb Assembly P/N 162.604.4
# 3	½" Ball Valve P/N MVT12FM
# 4	300 PSI Gauge P/N 2241GXB300
# 5	½" Ball Valve P/N BV4103-D

Tank Lids



Photo 11 Tank Lids

Part Numbers

Tank	Size	Lid, Vented
50 Gallon PCO Style	8"	10525 (8/2019 and prior) 63480 (9/2019 and after)
100 Gallon PCO Style	8"	10525 (8/2019 and prior) 63480 (9/2019 and after)
150 Gallon PCO Style	12" 16"	10527 (8/2019 and prior) 63485 (9/2019 and after)
200 Gallon PCO Style	12" 16"	10527 (8/2019 and prior) 63485 (9/2019 and after)
300 Gallon PCO Style	16"	10528

MAINTENANCE

- Check and tighten all hose clamps.
- Check for worn hoses. (rubbing, cracking)
- Check electrical connections.
- Clean Suction Strainer.

TROUBLESHOOTING

Problem	Possible cause	Solution
Low or no pressure or Pump does not prime	Plugged strainer Plugged suction hose Faulty or missing o-rings in Strainer Assembly or pump Inlet Elbow Barb Air leak in pump suction hose Stuck or worn pressure relief valve on regulator Low liquid level in tank Improperly seated check valve(s) in pump head Pump not purged of air	Clean screen Clear obstruction Check strainer for debris Replace o-rings Check hoses and fittings for leaks Repair or replace relief valve Refill tank Clean or replace check valve Run pump with regulator in the bypass position to purge air
Fluctuating pressure (Excessive pulsation of Hoses)	Defective regulator	Repair or replace regulator

Table 1

WINTER STORAGE

Clean the tank with soap and water. Pump some of the soap solution through the hose and gun by spraying the gun into the tank through the top opening. Empty the tank and partially refill with clean water. Flush out the hose and gun, and spray the exterior of the tank and other components that were exposed to chemicals. Empty the tank completely. Dispose of rinse fluids in accordance with all applicable regulations.

Add undiluted RV anti-freeze to the system. Circulate the anti-freeze solution through the pump and regulator. Blow out the reel and hose with compressed air or pump undiluted RV anti-freeze completely through the hose.
Empty the suction strainer.

For more information on winterizing your sprayer, refer to our Web site.
www.GregsonClark.com

WARRANTY

Gregson-Clark Sprayers are warranted by the manufacturer to the original purchaser to be free from defects in materials and workmanship for a period of one year. The pump elastomers and hoses are considered normal wear items and carry a 90-day warranty against defects in materials and workmanship.

Gregson-Clark's liability shall be limited to replacement of defective components, FOB shipping point. In no event shall Gregson-Clark be liable for any special, incidental, or consequential damages including loss of profits.

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