



Pronto Pest Control Skid

Operator's & Parts Manual



9-1-11 11-21R0

Printed In The USA — Specifications & Design Subject To Change Without Notice!



A Message To The Owner And Operator

This equipment was carefully designed and manufactured to give you dependable service. To insure efficient operation of this equipment, please read this operator's manual carefully. Check each item and acquaint yourself with the adjustments required to maintain optimum performance and operation. ***Remember, this equipment's performance depends on how you operate and care for it!***

At the end of each season, thoroughly clean and inspect your equipment. Preventive maintenance saves time and pays dividends. Your nearest Wylie Spray Center has original equipment parts which assure proper fit and best performance. Record your equipment's model and serial numbers and the date you purchased this equipment in the space below. Have this information available when you order parts or attachments.

Model Number: _____

Serial Number: _____

Date Purchased: _____

Limited Warranty

This is a limited warranty. It covers products manufactured by WYLIE Mfg. Co. The Warrantor is **WYLIE Mfg. Co., 702 E. 40th St., Lubbock, TX, 79404, USA**. The duration of the warranty for WYLIE manufactured equipment and products (excluding polyethylene tanks) is for **one year from date of delivery to the carrier**. The Warrantor warrants to the Buyer that the product(s) sold hereunder are free from defects to material and workmanship, under normal use and service, in the hands of the original buyer.

If goods are defective, the defective goods will be replaced with identical goods. If identical goods are not available, the Buyer may elect to receive a refund of the purchase price for the defective goods, or the Buyer may order similar goods. **The damage for defective goods shall not exceed the purchase price of the defective goods. No allowance shall be made for labor or expense or repairing goods without prior approval in writing by the Warrantor.** The Buyer's remedy under this warranty does not include incidental or consequential damages.

For products not manufactured by the Warrantor, the Warrantor warrants these products to the extent of the warranties of their respective manufactures. **There are no warranties which extend beyond this limited warranty, including the implied warranty of merchantability.** Dealers or representatives shall not make any representation in regard to particular goods except as authorized by the Warrantor through a written warranty accompanying those particular goods.

Disclaimer of Warranty

WYLIE Mfg. Co., and its divisions, "Wylie Spray Centers," in each location, requires as a condition of sale and coverage by its LIMITED WARRANTY that all equipment sold by it be used in accordance with the instructions and specifications of the Warrantor. This requirement is in addition to the LIMITED WARRANTY.

Polyethylene and fiberglass tanks – These tanks are warranted for the storage and transport of water, herbicide solutions (on farm), liquid fertilizer and liquid feed. Such tanks should not be used for the storage of any bulk herbicide (undiluted). Any such use will render this warranty void.

In addition, the Warrantor makes no warranty with regard to bulkhead tank fittings used in connection with tanks containing bulk herbicides and the use of any such fittings sold by the Warrantor or any WYLIE dealer in connection with tanks containing bulk herbicides is improper.

Chemical Incompatibility – The Warrantor does not make any recommendations or warranties regarding chemical compatibility. WYLIE shall not be liable for any damages due to chemical incompatibility, and any Buyer or user should rely solely on written information furnished by the chemical manufacturer regarding chemical compatibility.

No employee of WYLIE Mfg. Co., or its representatives, agents or dealers, is authorized to vary the terms of this limited warranty.



Wylie Manufacturing Company
 702 E. 40th St.
 Lubbock, TX 79404
 Ph. 888-788-7753

Pronto Pest Control Skid

Date of Purchase		
Model Number	Primary Use of Applicator: <input type="checkbox"/> Pest Control <input type="checkbox"/> Herbicide Sprayer	
Skid Serial Number		
Tank Serial Number		
Pump Model		
Wylie Invoice Number		
Owner's Name		
Address		
City	State	Zip
Phone		
Email		
Dealer		

Owner's Signature

Must be returned within 10 days to validate the warranty.

-- Or Register Online --
Go to: www.wyliesprayers.com



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Introduction

Wylie Pronto Pest Control Skid Sprayers are the result of years of testing and field proven experience. They are built of the finest materials and expert workmanship to provide you with years of reliable service.

The Pronto Pest Control Sprayer is designed for commercial applicators who need a smaller unit to fit in a compact pickup or van. The Pronto is equipped with a 12 volt pump and 50 gallon tank, but with commercial capabilities.

This manual explains where and how to make necessary adjustments to your sprayer for safe and proper operation. Thoroughly read and understand the contents of this manual before operating your sprayer. If you have questions or do not understand particular items, contact your nearest Wylie Spray Center or call Wylie Manufacturing at (888) 788-7753. Please keep this manual handy to answer questions you may have as they arise.

Pay Particular Attention To All Safety Suggestions – Their purpose is to assure safe operation of the sprayer and prevent injury or damage to yourself or the unit.



 **Safety Precautions** 

Be alert when you see the above symbol in the manual. It warns of a hazard which might lead to injury. It means: *Attention! Become alert! Your safety is Involved!*

Three (3) words are associated with this symbol. They are:

DANGER – Indicates an imminently hazardous situation which, if not avoided, likely will cause serious injury or death. It is associated with the most extreme situations, typically for machine components, which, for functional purposes, cannot be guarded.

WARNING – Indicates a potentially hazardous situation, which, if not avoided, could result in serious injury or death. Relates to hazards that are exposed when guards are removed and alerts against unsafe practices.

CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may be used as an alert against unsafe practices.

Before Use 

Do not operate sprayer until this manual has been read and understood!

- * Thoroughly read and understand all instructions before operating this sprayer. If you have questions, please contact **Wylie Manufacturing, 702 E. 40th St., Lubbock, TX, 79404. (888) 788-7753.** You can also contact your nearest **Wylie Spray Center.**
- * Always wear safety goggles, chemical resistant apron and rubber gloves when handling chemicals.
- * Read and understand the chemical manufacturer's safety guidelines on handling, mixing and application.
- * Secure the skid to the bed of the truck to prevent the sprayer from sliding off the truck.
- * Always check where you are going to spray. Be sure that people, non-targeted animals, etc. are not in the path of the spray or overspray.
- * Check on wind speed and direction. Make sure that sprayed chemical will not drift to non-target area.

During Use 

- * Do not allow anyone to ride on sprayer during operation. Falling can cause injury.
- * Reduce speed when crossing uneven or rough terrain.
- * Always turn off engine before making adjustments or repairs.
- * Do not point the gun toward people. Trigger might be accidentally engaged, exposing people to chemical.

Always 

- * Keep hands, feet and clothing away from moving parts.
- * Wear protective clothing and gloves when working with chemicals.
- * Turn off engine before making adjustments or repairs.
- * Keep all guards and protective coverings in place.

After Use



- * Inspect sprayer for wear or damage.
- * Ensure that all fasteners and fittings are tight.
- * Flush tank and pump with fresh water. Dispose of flush water using appropriate means.
- * Carry out maintenance and/or lubrication procedures as outlined in this manual.
- * During cold weather, flush the pump and plumbing with an anti-freeze solution to prevent freeze damage to components.

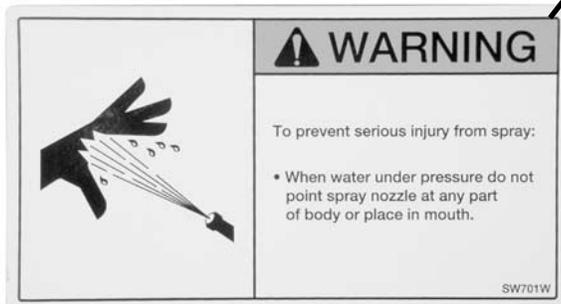
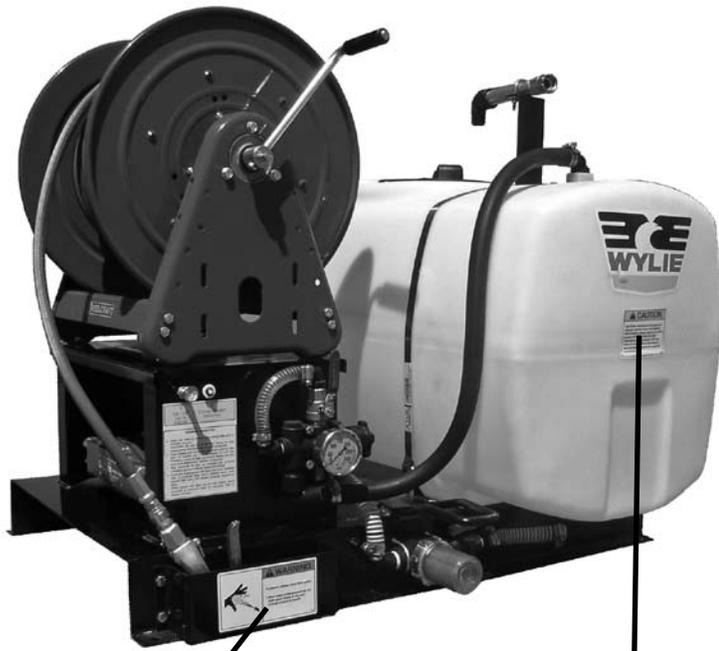
Operator's Instructions



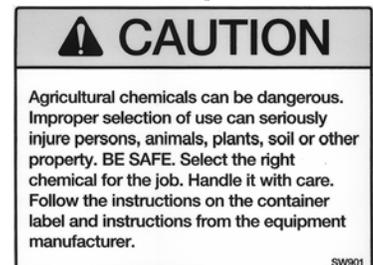
- * Reduce speed when turning, crossing slopes and on rough, slick or muddy surfaces.
- * Do not permit others to ride on sprayer.
- * Roll up hoses and secure trigger gun before transporting sprayer.
- * Take care to prevent spilling of chemical.
- * Know where you are going to spray. Do not spray non-targeted areas.

Safety Decals & Placement

Pest Control Skids



Decal #SW701W



Decal #SW901



Inspection & Setup

Your Wylie Pest Control Skid Sprayer was manufactured to the highest standards of quality. It is necessary though, to check to make sure that nothing was damaged during shipping. Check bolts and fasteners for tightness. Check the motor/pump, plumbing and hose reel for any signs of damage.

Your Wylie Pest Control Skid Sprayer was completely assembled at the factory and should not need any additional assembly before use.

Mounting Skid on Truck/Pickup

The skid should be secured to the pickup to prevent movement during transport. The sprayer frame is equipped with 1/2" mounting holes. Drill 1/2" holes in the pickup bed and secure the skid with 3/8" bolts (not included).



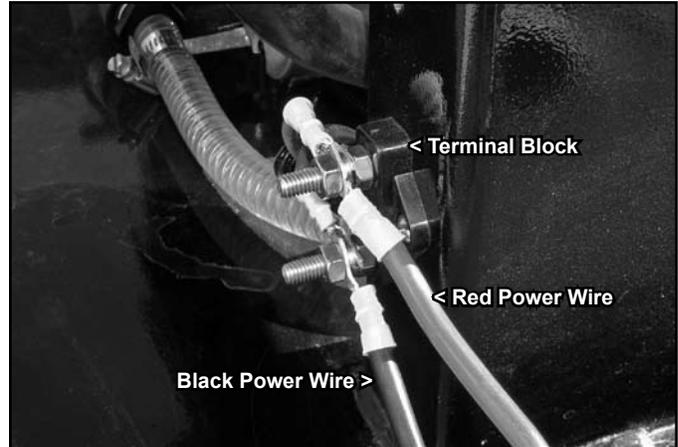
*Figure A1
Mounted Skid Sprayer in Truck*



Skid sprayer must be secured to the bed of the truck. Failure to do so could result in the sprayer falling off the truck or damage to the sprayer and truck.

Connecting Electric Supply

The Skid Sprayer is powered by a 12 volt, 30 amp motor. It is recommended that 8 gauge wire (not included) be connected to the power terminals.



*Figure A2
Electrical Power Terminals*

Match the red power wire to the red motor wire and black power wire to the black motor wire. The power wires can be connected to the truck battery or a separate deep cycle battery. The red wire connects to the positive battery post; the black wire to the negative post.

Note: Warranty is void if electrical wires are connected backwards.

Electrical System Recommendations:

There are several ways to connect your sprayer to the vehicle electrical system. We strongly recommend reviewing these suggestions with a professional electrician familiar with automotive electrical systems to help determine which system best suits your needs. In all systems, proper wiring practices should be followed such as choosing proper wire size, fusing or circuit breakers, wiring termination, wire routing and protection, and battery selection (type and capacity).

1) Dual Battery with Isolator: (Recommended System)
This system is configured with an isolated, second battery that runs the sprayer pump. Both the vehicle battery and the spray system battery are charged by the vehicle alternator when the engine is operating. The sprayer battery is electronically isolated from the vehicle battery to prevent the sprayer from draining down the vehicle battery. Battery isolators are common items available at most automotive supply houses and have installation instructions and recommendations.

2) Dual Battery with Switch:
This system provides extra battery capacity for spraying operations. Both the sprayer and the vehicle battery are

connected to a manual switch which connects either one or both batteries together for spraying and charging. In this way the vehicle battery can be shielded from excessive drain while still allowing the vehicle alternator to recharge the sprayer battery. This system works effectively but requires the operator to monitor the two battery charge levels to provide adequate voltage for spraying and starting.

3) Dual Battery:

This system provides extra battery capacity for spraying operations. Both the sprayer and the vehicle battery are directly connected together for spraying and charging. In many situations, this system works effectively but requires the operator to monitor the battery charge level to provide adequate voltage for starting.

4) Single Battery:

This system is similar to the configuration above except it uses only the vehicle battery. This system sometimes works for small spraying jobs when there is adequate travel time between locations to allow the vehicle alternator to recharge the battery. Again, the operator must monitor the battery charge level to provide adequate voltage for starting.

When choosing an auxiliary battery, a deep cycle battery will provide best service for sprayer type operations. A Series 27 Deep Cycle battery should give 2-3 hours of continuous service. We recommend using a vented battery box secured to the vehicle frame.

Lowering the system pressure to the lowest pressure that will complete the task will maximize the battery life.



Do not try to power the Pest Control Sprayer through the cigarette lighter or accessory power plug. The circuits are not heavy enough to carry the current. Equipment failure can occur.

Initial Start-up

Add several gallons of water to the spray tank. **Do not add any chemical to the spray tank until the sprayer has been checked for proper operation.**

Attach a garden hose to the fill coupling and remove the spray tank lid. Open the water source. The Pest Control Skid is equipped with an anti-siphon fill that prevents any chemical from being drawn into the municipal water supply.



*Figure A5
Filling Tank Through Anti-Siphon Fill*

Open the ball valve between the tank and pump to allow water to flow to the pump. The valve is open when the valve handle is in line with the valve.



*Figure A6
Opening Main Tank Valve*

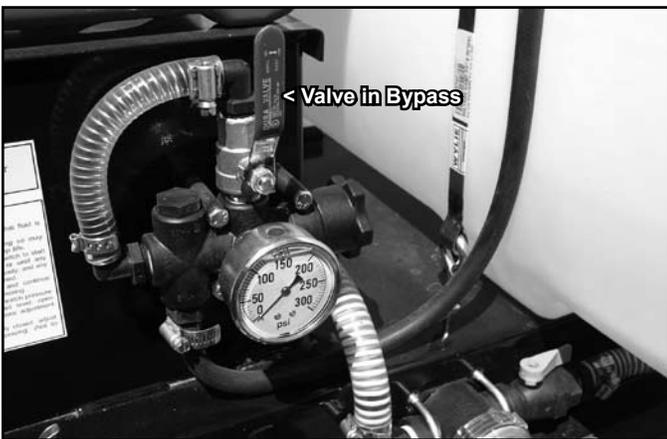
Inspect the system for any leaks. Tighten any fittings necessary to stop any leaks. Any water leaking from supply lines before the pump is started, will result in an air leak when the pump is engaged, resulting in low operating pressure.

Unlock the hose reel by loosening the reel set screw and unroll the needed amount of spray hose.



*Figure A7
Unlocking Hose Reel*

The bypass/pressure valve should be in the bypass position before starting the motor.



*Figure A8
Bypass/Pressure Valve in Bypass Position*

With the power cables connected to a 12 volt power source, pull the power switch out to start the pump.



*Figure A9
Power Switch*



*Figure A10
Bypass/Pressure Valve in Pressure Position*

Rotate the bypass/pressure valve to the pressure position. The pressure gauge should not go above 150 PSI. If it does, rotate the valve back to the bypass position. Turn the pressure adjustment knob counterclockwise (loosen) several turns. Rotate the bypass/pressure valve to the pressure position, then adjust to the desired pressure with the pressure adjustment knob.



*Figure A11
Pressure Adjustment Knob*

Engage the trigger gun. Some air may flow through the gun before fluid flow begins. Once pressure builds, check the whole system for leaks. Check for leaks with the system in bypass mode as well.



***Never point the spray toward any part of your body.
The high pressure discharge could cause
serious bodily injury.***

Operation

Adding Chemical



Protective clothing and equipment must be worn any time chemicals are being handled. This may include, but not be limited to, rubber gloves, rubber apron, face/eye shield, and respirator. Failure to use protective clothing could result in chemical exposure causing sickness or death.

Read the chemical manufacture's label for directions for the proper procedure and amount of chemical to add. Once the chemical has been added to the spray tank, start the pump in bypass mode to allow the chemical to thoroughly mix.

Operation

Start the spraying operation as described in the Initial Start-up Instructions.

Check the area to be sprayed to make sure that people or non-targeted animals will not be in the path of the spray or drift.

If hazardous chemicals are being sprayed, protective clothing should be worn for protection from chemical exposure.

The Hudson trigger spray gun can spray in a fan or straight stream. Fully engage the trigger, then rotate the barrel to adjust the stream. The nozzle can also be replaced with a lawn nozzle.



Figure B1
Hudson Trigger Gun

End of Day Procedure

Some chemicals may require the pump to be flushed at the end of each day to prevent corrosion. If so, add several gallons of fresh water to the spray tank and pump through the system. Check for any loose or damaged fittings. Repair as necessary.

The tank can be drained by removing the strainer bowl or by removing the tank plug from the opposite end of the tank. The operator can, if desired, install a valve and hose to the drain plug.

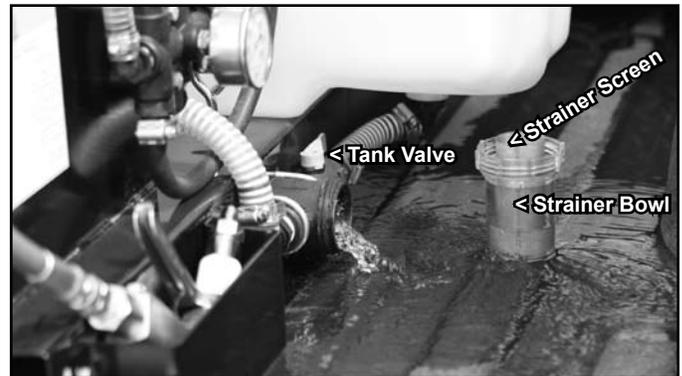


Figure B2
Draining Spray Tank

Strainer Maintenance

From time to time it may be necessary to clean the strainer of debris that has collected. Low pump pressure and volume is an indication that the strainer is clogged and needs cleaning.

With the motor shut off, close the tank ball valve and remove the strainer bowl. Empty and rinse the bowl and clean the screen as needed. Make sure the O-ring that seals the bowl to the base is not lost when the bowl is removed. Firmly hand tighten the bowl to the base and open the suction ball valve.

End of Season Procedure

The sprayer must be protected from freezing during winter months. If the sprayer is not to be used, drain the spray tank and add an anti-freeze solution or store in a heated environment. Start the pump and circulate the anti-freeze solution through the sprayer. Simply draining water from the spray tank will not adequately protect the sprayer from freezing.



Troubleshooting Guidelines

Problem	Cause	Solution
Low Pressure	(1) Worn Nozzle (2) Air leak in inlet plumbing (3) Pressure gauge inoperative or inaccurate (4) Relief valve stuck, plugged or improperly adjusted (5) Worn seat or valves (6) Suction strainer clogged (7) Worn V-packing	(1) Replace nozzle of proper size (2) Tighten and/or seal fittings (3) Check pressure gauge and replace as needed (4) Clean & reset valve; check tank for contamination (5) Clean or replace with valve kit (6) Clean strainer (7) Replace V-packing
Pulsation, pump runs rough, low pressure	(1) Restricted inlet (2) Air on suction side (3) Stuck or fouled inlet or discharge valve	(1) Check strainer and clean (2) Tighten and/or seal fittings (3) Clean foreign matter from valve
Pump will not move solution	(1) Spray tank empty (2) Tank ball valve closed (3) Plugged strainer (4) Malfunctioning pump	(1) Fill tank (2) Open ball valve (3) Clean strainer screen (4) See above
Hose reel will not rotate	(1) Hose reel set screw is tightened	(1) Loosen hose reel set screw
Pump will not operate	(1) 12 volt connection not complete (2) Reset switch has tripped	(1) Check connections at terminal block and battery (2) Push reset switch
Pump runs slowly	(1) Power cable too small (2) 12 volts not delivered to pump	(1) Replace with larger gauge wire (2) Check electrical system
Trigger gun spray pattern is incorrect	(1) Gun barrel needs adjustment	(1) Rotate "out" for straight stream; Rotate "in" for fan stream

Electrical Notes

- * **12 Volt pumping systems are unique in that most problems are likely to be electrical.**
- * **If the pump is running and no water is coming out of the pump -- you have a pump system problem.**
- * **Almost every other problem will be related to the electrical system.**
- * **The most common causes of electrical problems are: corroded battery terminals, corroded ground wire, corroded wire connector, inadequate wire size and damaged wire.**
- * **Corrosion is "resistance" that causes a voltage decrease offset by an amperage increase, often resulting in melted wires.**