

TITAN - POWRLINER 850 CHECK LIST – Read & follow all warnings and instructions in the owner’s manual.

| |
|--|
| <u>ASSEMBLY</u> |
| Remove everything from the carton. |
| Remove spark plug wrench and piston lube from styrofoam packing. |
| Install handlebar with gun trigger lever on the right. |
| Attach paint hose to spray gun and pump outlet. |
| Attach suction tube (black) onto pump inlet. |
| Remove small hose clamp from plastic bag and slide onto (clear) return tube. |
| Attach and clamp (clear) return tube to fitting next to pump inlet. |
| (If necessary) Adjust gun cable to allow a small gap between trigger and actuator. |
| Fill piston lube reservoir (oil level sight glass on side of reservoir). |
| Check engine oil level. |
| Fill gas tank. |
| |
| <u>INITIAL START UP (new or winterized pump)</u> |
| Install pail filled with 1+ gallons of water on pail rack. ALWAYS PRIME WITH WATER BEFORE PAINT! |
| Put suction & return tube into water. |
| Remove gun from clamp & lock gun trigger. |
| Remove tip and tip holder from gun. |
| Push black oiler button five times. |
| Set prime/spray valve to prime (verticle). |
| Turn pressure control (throttle cable) in to lowest pressure setting. |
| Pump air out of the gas prime bulb under carburetor. |
| Close choke (up position). |
| Pull cord to start engine. |
| Open choke |
| Priming will begin as indicated by bubbles escaping from (clear) return tube. |
| Adjust engine throttle slowly to expedite priming process. |
| Suck on clear return tube “if necessary” to assist priming. Be careful not to suck fluid into mouth! |
| Prime until a steady stream of fluid flows from return tube. |
| Unlock gun trigger and trigger a flow of water into pail removing air from paint hose. |
| Keep trigger pulled and switch prime/spray valve to spray (horizontal). |
| Close & lock gun trigger. |
| “Slowly” increase pressure control to full throttle while checking for leaks. |
| Do not get close to or fix any leaks until the pump is shut off and pressure is relieved to zero. |
| Your pump is now ready for paint. |

TITAN - POWRLINER 850 CHECK LIST – Read & follow all warnings and instructions in the owner’s manual.

| |
|--|
| |
| <u>START UP WITH PAINT</u> |
| Check engine oil level. |
| Fill gas tank. |
| Install pail filled with 1+ gallons of water on pail rack. <i>ALWAYS PRIME WITH WATER BEFORE PAINT!</i> |
| Put suction & return tube into water. |
| Remove gun from clamp & lock gun trigger. |
| Remove tip and tip holder from gun. |
| Push black oiler button two times. |
| Set prime/spray valve to prime (verticle). |
| Turn pressure control (throttle cable) in to lowest pressure setting. |
| Pump air out of the gas prime bulb under carburetor. |
| Close choke (up position). |
| Pull cord to start engine. |
| Open choke |
| Priming will begin as indicated by bubbles escaping from (clear) return tube. |
| Adjust engine throttle slowly to expedite priming process. |
| Suck on clear return tube “if necessary” to assist priming. Be careful not to suck fluid into mouth! |
| Prime until a steady stream of fluid flows from return tube. |
| Unlock gun trigger and trigger a flow of water into pail removing air from paint hose. |
| Keep trigger pulled and switch prime/spray valve to spray (horizontal). |
| Close & lock gun trigger. |
| “Slowly” increase pressure control to full throttle while checking for leaks. |
| Do not get close to or fix any leaks until the pump is shut off and pressure is relieved to zero. |
| After leak check – turn pressure down and bleed all pressure from system & remove water pail. |
| Your pump is filled with water and is now ready for paint. |
| Fill empty pail on the striper with desired amount of paint. |
| Set prime/spray valve to prime (verticle). |
| Turn pressure control (throttle cable) in to lowest pressure setting. |
| Start engine |
| Priming will begin as indicated by bubbles escaping from (clear) return tube. |
| Adjust engine throttle slowly to expedite priming process. |
| Suck on clear return tube “if necessary” to assist priming. Be careful not to suck fluid into mouth! |
| Prime until a steady stream of fluid flows from return tube. |
| Unlock gun trigger and trigger a flow of air & water into pail. |
| Keep trigger pulled and switch prime/spray valve to spray (horizontal). |
| “Slightly” increase pressure to purge all air and water from the system. |
| Close & lock the trigger when a steady flow of paint is steaming from the gun. |
| Install the tip (Be careful to avoid injection by not putting any part of the hand in front of the tip.) |
| Install the gun in the gun clamp. |
| Unlock the trigger. |
| Adjust pressure and line width. |
| |

TITAN - POWRLINER 850 CHECK LIST – Read & follow all warnings and instructions in the owner’s manual.

| <u>PUMP SHUT DOWN AND CLEAN UP</u> |
|---|
| Turn pressure down completely. |
| Shut off the engine. |
| Relieve system pressure by holding the return tube into the pail and turning the prime/spray valve to prime |
| Remove paint pail keeping it within reach of the return tube to recover paint in the system. |
| Rinse off suction and return tubes. |
| Remove inlet screen and throw into a bucket of water to soak. |
| Attach hose coupler to garden hose (“with adjustable flow nozzle”). |
| Attach hose coupler and garden hose to suction tube. |
| Remove gun from clamp. |
| Remove tip and tip holder from gun and throw into a bucket of water to soak. |
| Set prime/spray valve to prime (verticle). |
| Hold return hose into paint pail and slowly run water into the system. |
| Flush paint out of the pump into the paint pail until water flows from the tube. |
| Shut water off |
| Switch prime/spray valve to spray (horizontal). |
| Trigger gun into paint pail and slowly flush with hose until water flows from the gun. |
| Shut water off. |
| Remove filter from gun handle and throw into water bucket to soak. |
| Attach gun to system without filter. |
| Rinse with a gentle flow of water until a steady stream of clear water flows from the gun. |
| Switch to prime (verticle). |
| Rinse with a gentle flow of water until a steady stream of clear water flows from the return tube. |
| The system is now clean. |
| Rinse inlet screen, gun filter and tip clean. Clean & blow through tip to insure all paint is removed. |
| Install inlet screen, gun filter and tip. |
| Your pump is filled with water and is now ready for paint. |
| |
| <u>STORAGE & WINTERIZATION</u> |
| Daily & weekly storage with water is okay in warm temperatures. |
| Longer storage in warm climates flush with Titan “Liquid Shield” for corrosion resistance. |
| Long term storage & freezing temps rinse with a mix of mineral spirits and 5% non-detergent oil. |
| Always flush system with warm soapy water to remove storage fluids before pumping paint. |
| |
| <u>HELPFUL HINTS</u> |
| Always snug the suction tube before starting the pump. Do not over tighten! |
| Lubricating the piston promotes much longer pump life. Two pushes of the oiler each week is all that is necessary. Excess oil will run down the pump onto the ground. |
| Slow priming with paint is normal...always prime with water first. |
| Never put any solvent stronger than paint thinner through the system. |
| Clean the gun filter daily. It’s small and clogs quickly. |
| Too much water pressure when rinsing can blow the suction tube off. It’s fixable with considerable effort. |
| Repack kits are available and simple to install. |
| Use the PowrLiner 850 anywhere a gas powered paint sprayer is needed. |