**HYDRAMASTER HIGH PRESSURE WATER SYSTEM**

**BOXXER, TITAN, MAXX, CDS, SPITFIRE, CROSSFIRE**

**LOW OR NO WATER PRESSURE OR GAUGE IS READING LOW:**

**Owner/Operator**

**Solution Pump Switch is not turned on**

* Put the Solution Pump Switch in the ON position.

**Water Box water level is low or empty**

* Ensure water supply hose is connected, turned on and there are no obstructions or kinks?
* Disconnect and reconnect Quick Connects.
* Clean strainers/filters on incoming water lines and from the water box to the pump.
* Water box valve/float assembly is out of adjustment, adjust as needed.
* Inspect high pressure system hoses, valves and connections for leaks and repair as needed.

**On-Board Water Supply Systems ONLY**

* Is the Water Supply connected to the Truck Mount?
* Inspect supply pump wiring, repair as needed.
* Inspect all fuses and replace burned fuses as needed.
* Inspect hoses for leaks or kinks, repair as needed.

**Water pressure regulator valve is set too low**

* Turn pressure regulator valve clockwise to increase pressure.

**Filters or screens are dirty or clogged**

* Remove and clean all filters and screens.

**Fuse is burned**

* Inspect Fuses in the Truck Mount Fuse Panel and Replace as needed.

**Problems that should be corrected by a qualified technician**

* Solution Pump Switch needs repair or replacement.
* Wiring needs repair.
* Freeze Damage to system.
* Pressure regulating valve needs repair or replacement.
* Maximum engine RPM is too low.
* Worn seals or valves in high pressure pump and need replacement.
* High temperature dump solenoid is activated at low temperatures.
* Primary system control orifice is worn out, missing or loose.
* Filters, Screens or hoses/Lines are clogged with Scale buildup.
* High Pressure pump belt is warn or broken and needs replacement.
* Pump clutch needs repair or replacement.
* Heat Exchangers are leaking and need repair.
* Water leaking from exhaust.

**WATER PRESSURE GAUGE READS NORMAL BUT PRESSURE IS LOW AT THE WAND**

**Owner/Operator**

**Restriction in the hoses from the truckmount or cleaning tool**

* Hoses or connections leaking, repair or replace as needed.

**Restriction in the Wand or Tool**

* Tool valve is not opening properly, repair or replace as needed.
* Inline filters or tool jets are dirty, clean or replace as needed.
* Quick connects are sticking or clogged, replace as needed.
* Inline ball valves are not opening properly, replace as needed.

**Qualified technician**

* Heat Exchanger is clogged and needs repair.
* Water pressure regulator is warn or damaged and needs repair.
* Solution pressure gauge needs replacement.

**WATER PRESSURE IS INTERMITTENT OR PRESSURE PULSATION:**

**Owner/Operator**

**Water in water box is too low**

* Test water supply source and correct problems or increase flow.
* Inspect water box valve and float, adjust as needed.

**Qualified technician**

* Water box valve or float needs repair or replacement.
* Water box temperature solenoid needs replacement.
* Water pump cavitation needing repair.
* High pressure pulse damper needs replacement.
* Water box low water sensor needs repair or replacement.
* Pump Clutch needs repair or replacement.
* Electrical system needs repairs.