

The data contained in this supplement is either in addition to or takes exception to data appearing later in this manual.



EnPak[®] A60 GBHW



Pre-Delivery Inspection Checklist

EnPak[®] A60GBHW

Pre-Delivery Inspection, Setup, And Testing Check List

Customer Company Name: _____ Date: _____

Location/Branch: _____

Customer Contact: _____

Phone: _____ Email: _____

EnPak Serial Number: _____

Truck Chassis: Year: _____ Make: _____ Model: _____

- Register your customer's EnPak at www.MillerWelds.com/registerenpak.

Date: _____

Name of Up-Fitter Install Representative

Signature of Up-Fitter Install Representative

Date: _____

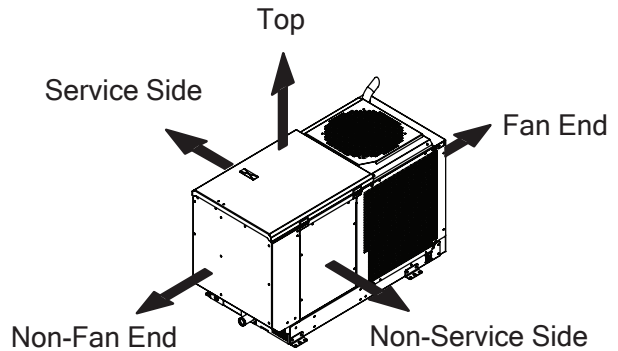
Name of EnPak End User

Signature of EnPak End User

Pre-Delivery Inspection

Clearances

- Top -
 - 24 in. Minimum for top mount fan.
 - 18 in. Minimum for end mount fan.
- Service Side - 18 in. Minimum
- Non-Service Side - 7 in. Minimum
- Fan End -
 - 1 in. Minimum for top mount fan.
 - 24 in. Minimum for end mount fan.
- Non-Fan End - 4 in. Minimum



Mounting

- Base of unit fully supported.
- 3 in. minimum wide cross-supports, or on flat surface.
- Unit elevated at least 6 in. on service side if load space mounted (for oil changes).

Electric Connections - Control Panels and Generator Power

- Check that all wiring for the following is secured properly, not rubbing, and terminations are tight.
- Ensure each panel is properly grounded to chassis.
 - Weld Remote Panel (Grounding stud indicated in OM Section 5-5)
 - Battery Charge Panel (Grounding stud indicated in OM Section 5-6)
 - 120/240 VAC Outlets

Electronic Connections - Truck Battery

There should be four individual cables connected to the chassis battery from the EnPak:

- Vehicle Battery Positive - 1/0 AWG Minimum
- Vehicle Battery Positive - 8 AWG Minimum
- Vehicle Battery Negative - 1/0 AWG Minimum
- Vehicle Battery Negative - 8 AWG Minimum

Grounding EnPak

- Ground Cable from EnPak to Chassis.
- EnPak mechanically bonded to chassis with metal-to-metal contact.

Hoses

Compressor

- ¾ in. ID hose used.
- Hose runs direct from EnPak to tank.
- 20-gallon tank recommended. 10-gallon tank minimum.
- Hoses are secure, routed properly, and connections are tight.

Hydraulic System (If Equipped)

- Hoses correctly sized for load (See Owner's Manual).
- Connections are properly torqued:
 - Case Drain Hose 60 ft lb.
 - Pressure Line Hose 80 ft lb.
 - Load Sense Hose 12 ft lb.

Fuel

- Supply Line 5/16 in. ID
- Return Line 3/16 in. ID
- Hoses are secure, routed properly, and connections are tight.

Prestart Checks

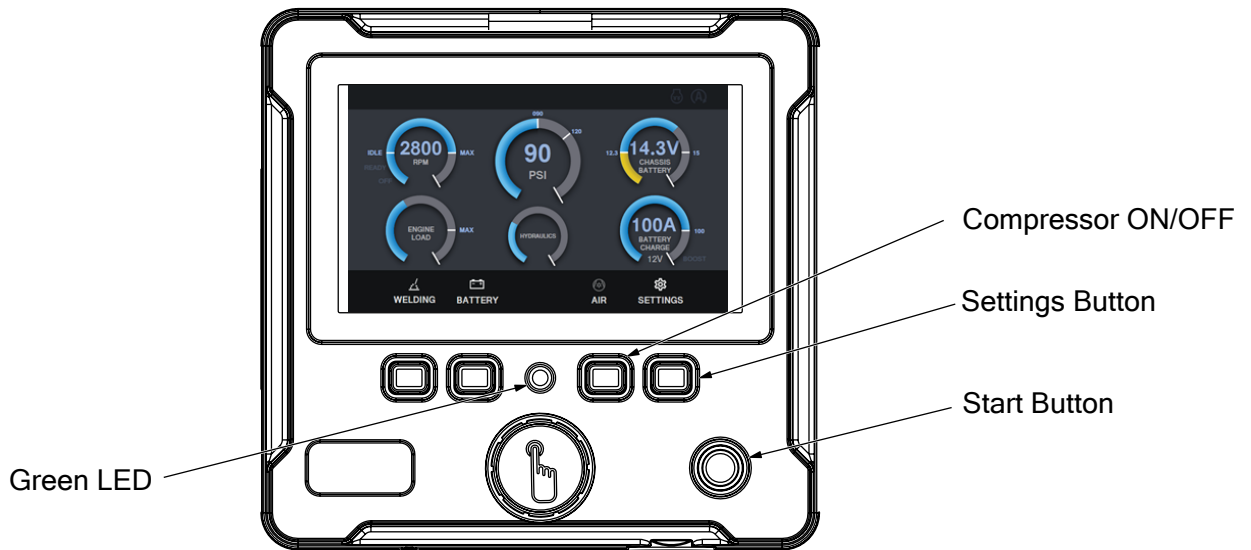
Check the following fluid levels. (See Owner's Manual for help.)

- Engine Oil
- Engine Coolant
- Air Compressor Oil
- Hydraulic Fluid

Prime the Hydraulic Pump

- Pump has been primed (See Owners Manual Section 6-3).

Pre-Delivery Setup



Verify Safety Interlock

-Watch Green LED. Should be flashing when Safety Interlock is engaged. Should be OFF when chassis can move.

-Press Start button once to turn on Remote.

-Press Settings button.

-On Settings Screen, select the System Settings option.

Set each of the settings below to user specifications.

If no user preference is noted, or the option is not listed, default settings are recommended.

Red settings will be used for testing.

- | | |
|---|---|
| <input type="checkbox"/> Power Priority | Prioritizes hydraulics or air compressor when multiple loads are used. |
| <input type="checkbox"/> Air Pressure Min. | Minimum air pressure setting. Compressor will start up at this point. |
| <input type="checkbox"/> Air Pressure Max. | Maximum air pressure setting. Compressor will stop building pressure at this point. |
| <input type="checkbox"/> Auto Start/Stop | Set to Enable if using Auto Start/Stop. |
| <input type="checkbox"/> RPM | Set to 2800 for testing. Set to Auto for delivery. |
| <input type="checkbox"/> Auto Start/Stop Time | Set to 2 minutes for testing. Amount of time unit will run with no load before stopping. |
| <input type="checkbox"/> Hydraulic Max Flow | Set to crane or other hydraulic component rating (typically 8-10 gpm). |
| <input type="checkbox"/> Crane Remote Type. | Choose based on crane type. |

- Crane Voltage Threshold For 0V to 12V Step or 0V to 12V Proportional remotes, set to .1V
For IMT Cranes, set higher than .1V
For 12V to 0V Proportional remotes, set to slightly less than 12V.
☞ IF unit does not idle down when all loads are off, increase the
Crane Voltage Threshold slightly until unit idles down.

Pre-Delivery Testing

To start unit, with remote ON, press Start button a second time.

Electrical Outlets

- Ensure unit is running at 2800 rpm. (See Pre-Delivery Setup Section).
- Reset all GFCI receptacles.
- Test the voltage level at all electrical outlets.
- If there is no power, check circuit breaker CB1 inside service door (upper right-hand side).
- After testing, change RPM setting back to Auto.
- Plug in light or tool and use. EnPak should speed up to 2800 rpm.

Compressor

- Make sure air tank is empty, and drain valve is closed.
- Turn compressor ON.
- Watch pressure (PSI) build on remote and tank gauge. Builds to Max Pressure setting.
- Use air, or slightly open tank drain valve, and watch pressure drop.
- At Min Pressure setting, PSI should start building.
- Close drain valve

Hydraulics (If Equipped)

- Extend and retract outriggers.
- Lift crane.
- Check for smooth operation.
- EnPak engine speed should increase as needed under load and return to idle when load is removed.

Auto Start/Stop

- Let the unit run without using the outputs for 2 minutes, unit should stop.
- The following should start the unit -
 - Sudden drop in air pressure (air used) or Min Pressure is reached

- Use of hydraulics
- Tapping a stick electrode to workpiece (weld equipped units, in stick mode, with Tap To Start Enabled)
- Chassis battery voltage drops below 12.3 volts
- ❑ Start the unit with one of the above methods
- ❑ Set Auto Start/Stop time to desired length

Finishing Up

- ❑ Press Start button to turn unit OFF
- ❑ Press and hold Start button to turn Remote OFF
- ❑ Drain air from air tank
- ❑ Turn Interlock OFF
- ❑ Make sure unit will not start

