

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



HDI™ 265/325 Air Pak™



Pre-Delivery Inspection Checklist

HDI™ 265/325 Air Pak™

Pre-Delivery Inspection, Setup, And Testing Check List

Customer Company Name: _____ Date: _____

Location/Branch: _____

Customer Contact: _____

Phone: _____ Email: _____

HDI Serial Number: _____

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

- Register your customer's HDI Air Pak at www.MillerWelds.com/register.

Date: _____

Name of Up-Fitter Install Representative

Signature of Up-Fitter Install Representative

Date: _____

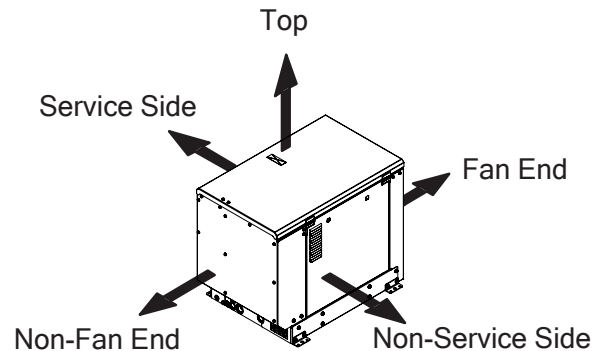
Name of End User

Signature of End User

Pre-Delivery Inspection

Clearances

- Top - 24 in. Minimum
- Service Side - 18 in. Minimum
- Non-Service Side - 7 in. Minimum
- Fan End - 18 in. Minimum
- 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. 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 5-4)
 - Battery Charge Panel (Grounding stud indicated in OM Section 5-5)
 - 120/240 VAC Outlets

Electric Connections - Truck Battery

There should be two cables connected from chassis battery to HDI Air Pak, protected with a 75 amp fuse or circuit breaker on vehicle battery positive cable:

- Vehicle Battery Positive - 6 AWG Minimum
- Vehicle Battery Negative - 6 AWG Minimum

Electric Connections - Truck Battery

- Ground cable from HDI Air Pak to chassis.
- HDI Air Pak mechanically bonded to chassis with metal-to-metal contact.

Hoses

Compressor

- HDI 265: 1/2 in. min ID hose used.
HDI 325: 3/4 in. min ID hose used.
- Hose runs direct from HDI Air Pak to tank.
- 20-gallon tank recommended. 10-gallon tank minimum.
- Hoses are secure, routed properly, and connections are torqued to 85 ft lb.

Hydraulic System

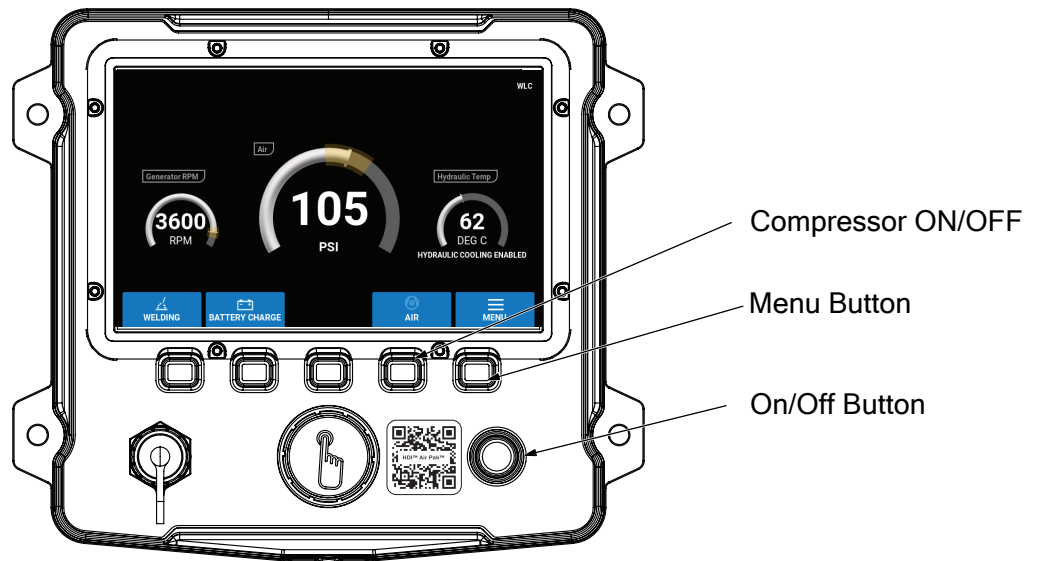
- Hoses correctly sized and properly torqued:
 - 1.000 in. ID Return Line Hose 112 ft lb.
 - .75 in. ID Pressure Line Hose 85 ft lb.
 - .375 in. ID Case Drain Hose 23 ft lb.

Prestart Checks

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

- Air Compressor Oil
- Hydraulic Fluid

Pre-Delivery Setup



Verify 12V Unit Enable

-Display should turn ON when Crane/PTO circuit is on and turn OFF when Crane/PTO circuit is off.

-Press Menu.

-Scroll down to Truck Up-fitter Settings.

- o Enter Weld Cable Length (total length, in feet, of positive and negative cables between the unit and weld remote panel.

- o Enter Weld Cable Size (in AWG), of weld cable between unit and weld output box, for WLC.

-Return to Menu 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.

- | | |
|--|--|
| <input type="checkbox"/> Hydraulic Cooling Only | When output capabilities are not needed, disable the drive motor of the HDI Air Pak to keep the cooling system operating and cool hydraulic fluid when only other auxiliary hydraulic equipment is needed. |
| <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"/> Air Compressor Response | Sets how quickly the compressor responds to tank operation. |
| <input type="checkbox"/> Temperature Display Units | Sets temperature units on display in Degrees F or Degrees C |
| <input type="checkbox"/> High Speed Lock | Machine will only run at high speed when "High Speed" selected. Defaults to "Auto" on startup. |
| <input type="checkbox"/> Weld Lead Calibration | Enables Weld Lead Calibration. |
| <input type="checkbox"/> Cable Size* | Sets cable size (in AWG) for WLC. |
| <input type="checkbox"/> Cable Length* | Sets cable length (in feet) of positive and negative cables for WLC. |
| <input type="checkbox"/> Screen Brightness | Sets screen brightness |

*Only visible if WLC is enabled.

NOTE: Weld Lead Calibration provides increase in arc voltage to help offset voltage drop based off of inputs of weld cable length and diameter.

Pre-Delivery Testing

To start unit, with remote ON, press On/Off button.

Electrical Outlets

- Ensure generator is running at 3600 rpm by pressing the Weld button. Listen for unit to ramp up speed and verify speed on display.
- 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, press home button and listen for unit to drop speed.
- Plug in 60w or greater light or tool and use. HDI Air Pak should speed up to 3600 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.

Finishing Up

- Press Start button to turn unit OFF.
- Drain air from air tank.
- Turn Crane/PTO power OFF.
- Make sure remote display is OFF.



Scan the QR code on the control panel or under the top cover to get electronic access to: Product registration, Owners manual and other helpful information.