



# EnPak® A30 Pre Delivery Inspection Checklist



## EnPak® A30 Pre Delivery Inspection (PDI) Check List

Customer Company Name: \_\_\_\_\_ Date: \_\_\_\_\_

Location/Branch: \_\_\_\_\_

Customer Contact: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

EnPak Serial Number: \_\_\_\_\_

Truck Chassis: Year: \_\_\_\_\_ Make: \_\_\_\_\_ Model: \_\_\_\_\_

**EnPak Mounting Location**     Side Pack \_\_\_\_\_     Load Space \_\_\_\_\_  
 Other (Describe) \_\_\_\_\_

**Air Tank**     Air Tank Size \_\_\_\_\_ gallons (10 gallon min.)  
 Air Tank Location \_\_\_\_\_

### **EnPak A30 Securement**

- On Rails or channel \_\_\_\_\_
- On Riser in Bed \_\_\_\_\_ How High \_\_\_\_\_
- On Slide Out \_\_\_\_\_
- Direct to side pack or bed *(This is not recommended)* Explain \_\_\_\_\_
- Other (Describe) \_\_\_\_\_

### **Clearances**

- Top: \_\_\_\_\_ inches *(24 inch minimum recommended)*
- Service side: \_\_\_\_\_ inches *(18 inch minimum recommended)*
- Non-service side: \_\_\_\_\_ inches *(2 inch minimum recommended)*
- Left (Air Intake) end: \_\_\_\_\_ inches *(4 inch minimum recommended)*
- Right end: \_\_\_\_\_ inches *(1 inch minimum recommended)*

# Test and Demo Instructions

If anything in this document doesn't perform as written, please contact your local EnPak representative or EnPak Technical Service Support at 920-954-3972. Perform each test and check off when finished.

## Check All Fluids.

- Engine Oil Level
- Engine Coolant Level
- Air Compressor Oil

## Check PSI Settings.

From the EnPak remote control panel, press and hold the Adjust Control/Select button for 5 seconds, then release to access the service menu. Rotate the knob to scroll through the menu to find "MAX PRES". Press and release the control to access the maximum pressure setting, rotate the control increase/decrease value as desired from 175 down to 10 PSI greater than min pressure. Factory preset is 150 PSI.

Repeat procedure to access "MIN PRES" and adjust minimum pressure setting as desired from 90 PSI up to 10 PSI less than max pressure.

## Check Auto Start/Stop Timing.

From the EnPak remote control panel, press and hold the Adjust Control/Select button for 5 seconds, then release to access the service menu. Rotate the knob to scroll through the menu to find "STOP TIME". Press and release the control to access the unit idle time before auto stop. Rotate the control to increase/decrease value as desired from 2 to 30 minutes in 1 minute increments. Factory preset is 2 minutes.

## Starting the EnPak A30.

Turn the Engine Control Switch to the Start position and release. The EnPak warning will beep and automatic starting sequence begins. The engine will run at 2600 RPMs unless there is a generator load.

## Starting the Air Compressor.

Close all air hose valves before starting the compressor, place the air compressor switch in the on position. The clutch should engage and the compressor will fill the tank to the set "MAX PRES" setting.

## Testing the Auto Start/Stop Feature.

To start this test, have compressor on, air tank full and EnPak idling. Place the Engine Control switch in the Auto Start/Stop position and wait for the EnPak to shut off automatically at the preset stop time (factory preset is 2 minutes). Once the EnPak is off, open the air tank to release air pressure. EnPak should start automatically and engage the compressor. Turn off the Auto Start/Stop feature for the rest of the demo.

## □ Testing Electrical Outlets.

Before checking the outlets, make sure the GFCI's are working properly. With the EnPak engine on, access the service menu to set the engine speed to 3600 RPM's. From the EnPak remote control panel, press and hold the Adjust Control/ Select button for 5 seconds, then release to access the service menu. Rotate the knob to scroll through the menu to find "RPM SET". Press and release the control to access the speed menu, select "3600", then press and release again to save selection. This will increase engine speed to 3600 RPM's.

Now set, test and reset all GFCI's in the system. Once all are reset, access the service menu again, selecting "RPM SET", then select "AUTO". The EnPak should now go back to idle speed. (Note: if one of the GFCI's does not set, check to make sure breakers are set. If it is not the breakers, check the GFCI for failure or check for proper wiring. For more assistance, contact Miller Technical Support.) If GFCI's are in good working condition, test the outlets.

240 V outlet – plug in a 240 V tool and turn it on. The EnPak should increase speed to 3600 RPM's while the tool is being operated and should return to idle when the tool is off.

120 V outlet – plug in a 120 V tool and turn it on. The EnPak should increase speed to 3600 RPM's while the tool is being operated and should return to idle when the tool is off.

## □ Process Switch.

The process switch works in conjunction with Charge/Weld Switch. Use switch to select weld process and battery charge process. See table below.

	Process Switch Setting	Typical Process Applications (DC Only)
<b>OUTPUT ON</b>	Output On – GMAW/FCAW (MIG)	MIG solid wire and dual shield flux core use a voltage sensing (VS) feeder that does not require a control cable back to the welder/generator.
	Output On – FCAW-S (Electrode Negative) No Gas	FCAW (Flux Cored Arc Welding – self shielded) uses a voltage sensing (VS) feeder that does not require a control cable back to the welder/generator.
	Output On – SMAW (STICK XX18 and STICK XX10)	Stick welding. Strike an arc to start welding
	Output On – GTAW (Lift-Arc TIG)	Lift-Arc TIG: touch tungsten to work and lift to start welding. Uses circuitry internal to the welder/generator to aid arc start.
	Output On – Aluminum	Aluminum solid wire uses a remote connected spoolgun accessory.
<b>BATTERY CHARGE</b>	Battery Charge 12 V	Battery charging or jump starting with a 12 volt system.
	Battery Charge 24 V	Battery charging or jump starting with a 24 volt system.
	Chassis Power 12 V	Powering large 12 volt loads on vehicle such as electric cranes, lights, or vehicle systems.

## ☐ Service Menu

To access the service menu, press and hold the Adjust Control/Select Button for 5 seconds, then release. Rotate the knob to scroll through the menu items. Press and release the control to access the options and information within each menu item. Rotate the control to scroll or change value. Press and release control to save selection. After 5 seconds of inactivity, the menu will time out and the selection will be saved.

Menu Item	Selectable Item Option(s)	Description
<b>HOUR MTR</b>	--	Displays the current Engine Hours.
<b>ENG OIL</b>	OIL HOUR	Displays the current oil change countdown.
	OIL SET	Sets the oil change interval.
	OIL RSET	Resets the oil change countdown.
<b>COMP OIL</b>	OIL HOUR	Displays the current oil change countdown.
	OIL SET	Sets the oil change interval.
	OIL RSET	Resets the oil change countdown.
<b>RPM DISP</b>	--	Displays current engine RPM.
<b>RPM SET</b>	AUTO	Enables Auto-Speed function.
	3600	Locks engine speed at 3600 RPM.
<b>STOP TIME</b>	2 to 30 min	Unit idle time before auto stop (adjustable in 1 min increments).
<b>MIN PRES</b>	90 psi up to 10 psi less than max pressure	Minimum pressure to start air compressor (adjustable in 1 psi increments).
<b>MAX PRES</b>	175 psi down to 10 psi greater than min pressure	Maximum pressure to stop air compressor (adjustable in 1 psi increments).
<b>SOFT WARE</b>	--	Displays the current revision of firmware installed.
<b>FACT RSET</b>	RSET YES	Resets all settings to factory defaults.
	RSET NO	All settings remain at previous settings.

## ☐ Codes Shown on EnPak Remote Control Panel Display

You could see a code show up on the EnPak screen to let you know there is some type of issue. Check the manual for error code reference to help repair the issue. Resetting of Charge/Weld codes can be done by either: changing position of the charge/weld switch; change positions of the process select switch; cycle unit power off/on. Resetting of Air Compressor codes can be done by switching the compressor Off, then On.

# Knowing your EnPak

## ► EnPak A30 Diesel Side View



1. Maintenance label
2. Engine Oil Fill Cap
3. Engine Oil Dip Stick
4. Engine Oil Filter
5. Engine Air Filter
6. Engine Fuel Filter
7. Air Compressor Oil Drain
8. Air Compressor Oil Fill Cap
9. Air Compressor Oil Filter

# Knowing your EnPak

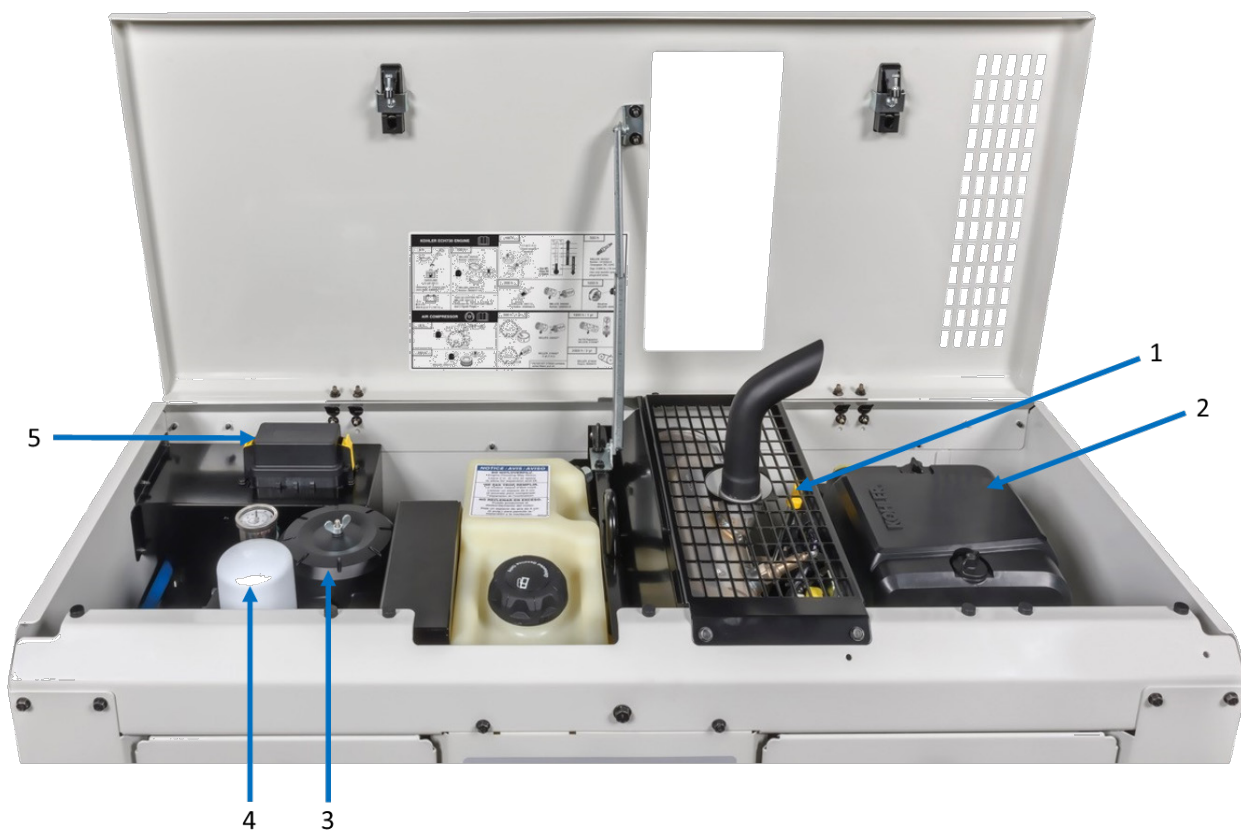
## ► EnPak A30 Gas Side View



1. Maintenance label
2. Engine Fuel Filter
3. Engine Oil Filter
4. Air Compressor Oil Drain
5. Air Compressor Oil Fill Cap
6. Air Compressor Oil Filter

# Knowing your EnPak

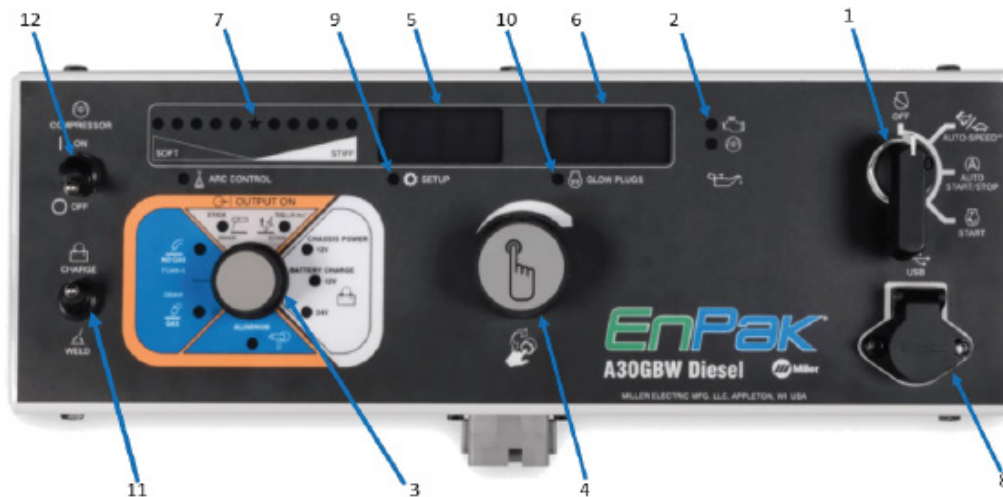
## ► EnPak A30 Gas Top View



1. Engine Oil Dip Stick
2. Engine Air Filter
3. Air Compressor Air Filter
4. Air Compressor Coalescing Filter
5. Fuse Box Assembly

# Knowing your EnPak – Remote Panels

## ► Main Control Remote Panel



1. Engine Control Switch
2. Engine/Compressor Service Indicator Lights
3. Process Switch
4. Adjust control/Select Button
5. DC Voltmeter
6. DC Ammeter
7. Arc Control Meter
8. USB Receptacle
9. Setup Light
10. Glow Light
11. Charge/Weld Switch
12. Compressor Switch

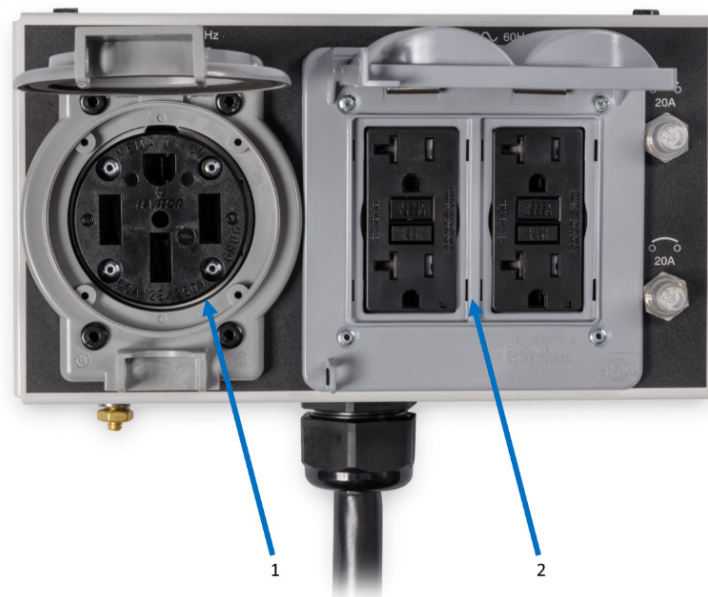
# Knowing your EnPak – Remote Panels

## ► Weld/Battery Charge Remote Panel



1. Battery Charge Receptacle
2. Positive Weld Receptacle
3. Negative Weld Receptacle

## ► Auxiliary Power Remote Panel (Optional)



1. 120/240 VAC 50A Receptacle
2. 120 VAC GFCI Receptacle