EnPak®

Miller®

EnPak® A30 Quick Guide

► 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

► EnPak A30 Gas Side View

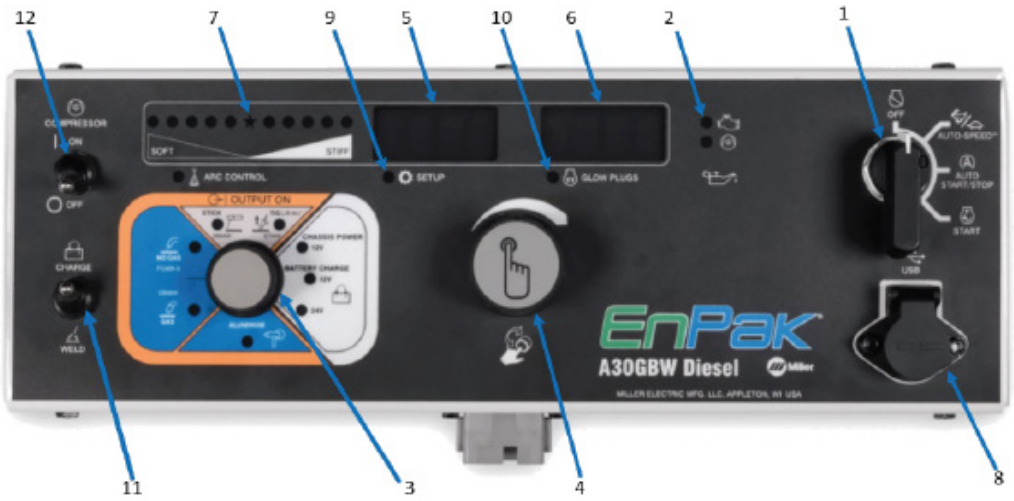
1. Maintenance label
2. Engine Fuel Filter
3. Engine Oil Filter
4. Air Compressor Oil Drain
5. Air Compressor Oil Fill Cap
6. Air Compressor Oil Filter

► 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



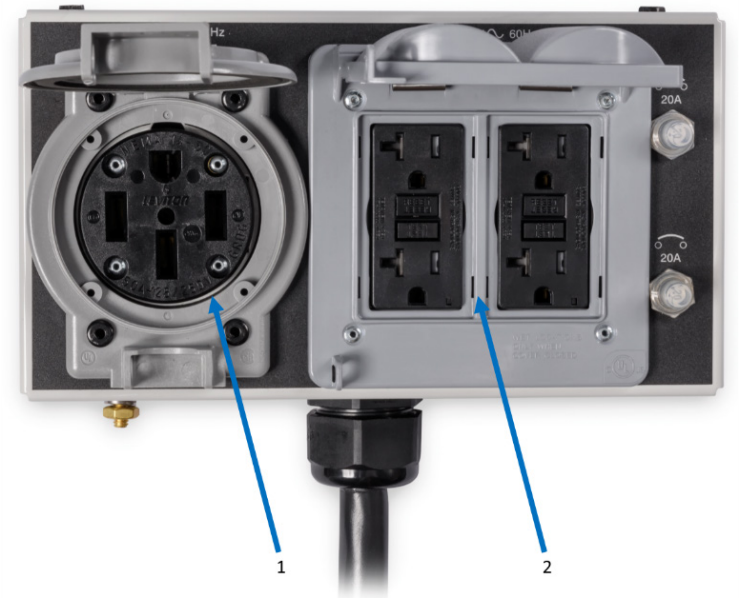
1. Engine Control Switch
2. Engine/Compressor Service Indicator Lights
3. Process Switch
4. Adjust control/Select Button
5. DC Voltmeter
6. DC Ammeter
7. Arc Control Meter
8. USB Receptacle
9. Setup Light
10. Glow Light
11. Charge/Weld Switch
12. Compressor Switch

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

Getting Started

Before Starting Your EnPak

Make sure the emergency brake is on and there is power to the EnPak remote panel. This could be a master switch or EnPak switch. Make sure to check all fluids and belts before starting.

First Start of the Day

Turn the Engine Control Switch to the Start position and release. The EnPak warning will beep and automatic starting sequence begins. Allow the EnPak engine to warm up before work begins.

Engine Stop

Turn Engine Control Switch to OFF position.

Auto Start/Stop Function

To enable the auto start/stop feature place the Engine Control Switch in the Auto Start/Stop position. To disable the auto/start top feature, place the Engine Control Switch in the Auto-Speed position.

Turn the Compressor On or Off

To turn the compressor on or off, position the compressor switch in the I (on) or O (off) position.

Battery Charge Mode

To enable the battery charge/crank assist feature, place the Charge/Weld switch in the charge position and place the process switch in the position matching voltage of the battery being charged.

Chassis Power Mode

To enable the Chassis Power feature, place the Charge/Weld switch in the charge position and place the process switch in the Chassis Power 12 V position. When using the EnPak to keep the truck battery charged for multiple lights or other items, use the Chassis Power mode for high amperage applications.

Weld Mode

To enable a weld mode, place the Charge/Weld switch in the weld position and place the process switch in the position matching the desired weld process.

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)
OUTPUT ON	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.
BATTERY CHARGE	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.

Setting a GFCI from the EnPak Generator

The GFCI must see 120 V before setting. Start the EnPak, access the service menu as described above, select “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 the GFCI. Access the service menu and select “RPM SET” again, press and release the control to access the speed menu and select “AUTO”, then press and release again to save selection. The engine should go back to idle speed.

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
HOUR MTR	– –	Displays the current Engine Hours.
ENG OIL	OIL HOUR	Displays the current oil change countdown.
	OIL SET	Sets the oil change interval.
	OIL RSET	Resets the oil change countdown.
COMP OIL	OIL HOUR	Displays the current oil change countdown.
	OIL SET	Sets the oil change interval.
	OIL RSET	Resets the oil change countdown.
RPM DISP	– –	Displays current engine RPM.
RPM SET	AUTO	Enables auto speed function.
	3600	Locks engine speed at 3600 RPM.
STOP TIME	2 to 30 min	Unit idle time before auto stop (adjustable in 1 min increments).
MIN PRES	90 psi up to 10 psi less than max pressure	Minimum pressure to start air compressor (adjustable in 1 psi increments).
MAX PRES	175 psi down to 10 psi greater than min pressure	Maximum pressure to stop air compressor (adjustable in 1 psi increments).
SOFT WARE	– –	Displays the current revision of firmware installed.
FACT RSET	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.

Notes

UpFitter Information

UpFitter: _____ Location: _____

Phone: _____ Email: _____

EnPak Service contact info:

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