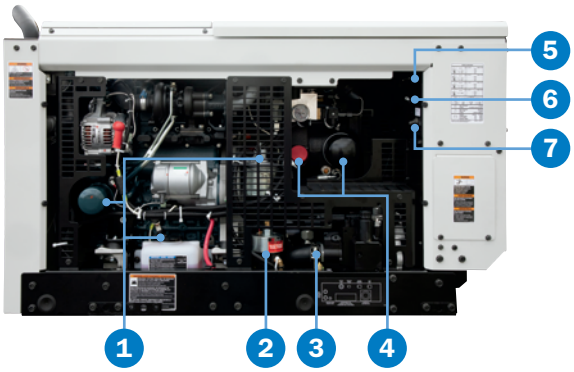
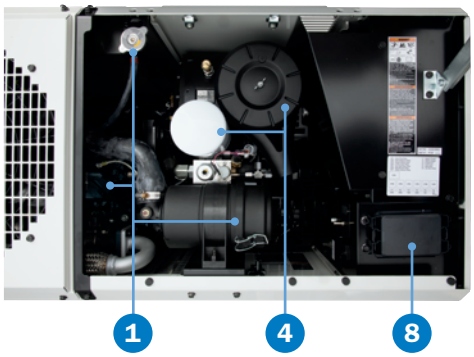
A60GBHW Quick Start Guide

Service Locations

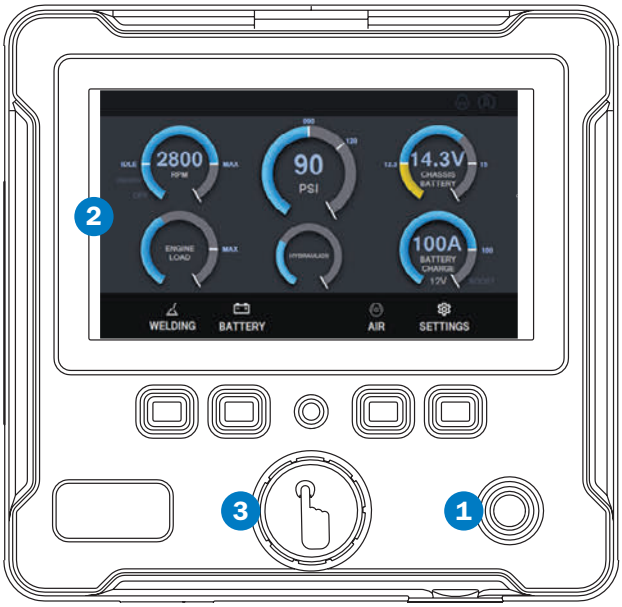
1. Engine Filters and Fill Points
2. Fuel Pump
3. Hydraulic Pump
4. Compressor Filters and Fill Point
5. Remote/Manual Switch
6. CB-1 Location
7. Cool Pak CB Location
8. Fuse and Relay Panel
9. Brush Location
10. Serial Number Location





Control Panel

1. Start Button
2. Home Screen
3. Adjust Control/Select Button



Turning On Unit

Safety interlock signal must be provided to turn unit on. Refer to section 5-8 in Owner's Manual for more information.

Press the Start button to turn the Control Panel on. A splash screen will display for a few seconds before the Home screen is displayed.

Press the Start button to turn on the engine. Use the soft buttons to open the Weld, Battery, and Settings screens.

Turning Off Unit

Press the Start button to turn the unit off.

Turning Off Control Panel

Hold the Start button for 2 seconds to turn the control panel off. Control panel will display "Shutting Down" and turn off after a few seconds along with stopping the engine if running.

⚠ WARNING

READ INSTRUCTIONS.

- Read and follow all labels and the Owner's Manual carefully before installing, operating or servicing unit. Read the safety information at the beginning of the manual and in each section.

Home Screen

Top Status Bar

1 Status Bar Text
Displays user feedback and any active alerts and errors.

2 Glow Plug Icon
Lit when the glow plugs are activated before cranking.

3 Auto Start/Stop Icon
Lit when Auto Start/Stop is enabled.

Gauges

4 RPM Gauge
Displays engine RPM. When unit is stopped, “OFF” is highlighted. When unit is Auto Stopped, “READY” is highlighted.

5 Air Compressor PSI Gauge
The MIN and MAX air compressor PSI settings are indicated by tick marks.

6 Chassis Power Gauge
When Chassis Power is not providing output, gauge shows chassis battery voltage.

If unit is not running, Auto Start/Stop is enabled, and chassis battery voltage drops below 12.3 volts, the unit will Auto Start.

When Chassis Power is providing output, gauge shows chassis power amperage output.

7 Engine Load Gauge
Displays current load on the engine. When gauge reads near or above max, the engine power is maxed out.

8 Hydraulics Gauge
Displays hydraulic output (hydraulic units only).

9 Battery Charge Gauge
Displays battery charge current output.

Bottom of gauge shows whether the unit is in 12V or 24V mode.

When output is above 100A, “BOOST” illuminates.

Soft Buttons

10 Weld Operation Button
Opens the Weld screen (weld units only).

11 Battery Charge Operation Button
Opens the Battery Charge screen. On the Battery Charge screen, the user can start and stop battery charge and change 12V/24V operation.

12 Air Compressor Operation Button
Turns air compressor On or Off.

13 Settings Button
Press to access System Settings, Maintenance, and System Info screens.

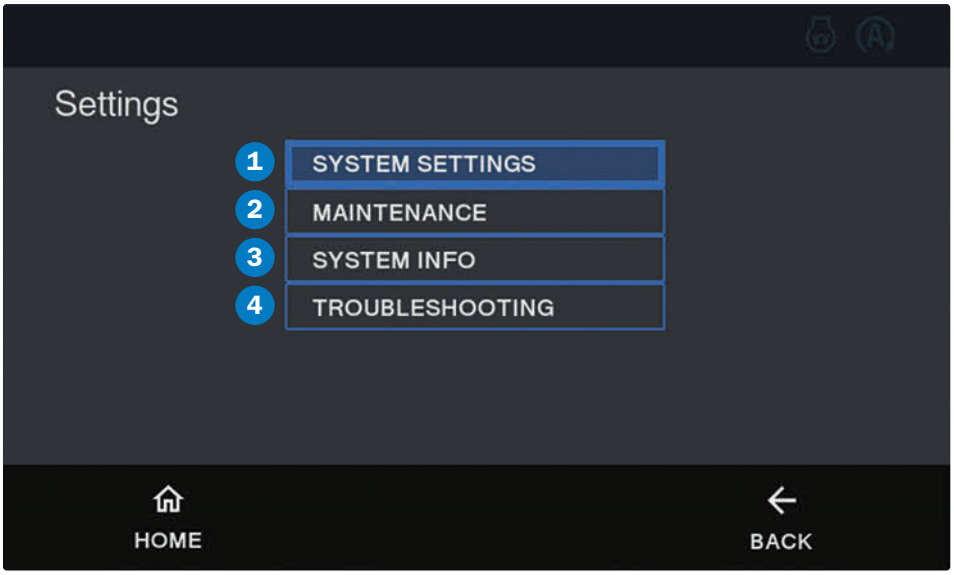
Settings Menu

1 System Settings
Select to change unit operation parameters.

2 Maintenance Menu
Select to check, change, or reset the maintenance interval schedule.

3 System Info
Select to check and update software, check and download summary file, and restore unit to factory defaults.

4 Troubleshooting
Displays live unit data for troubleshooting purposes.



System Settings

To Change System Settings

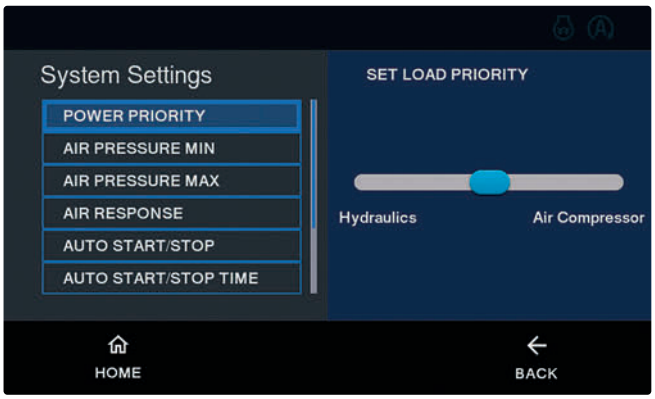
Step 1: Rotate Adjust Control/Select button to select a setting.

Step 2: Press Adjust Control/Select button on desired setting.

Step 3: Rotate Adjust Control/Select button to update the setting.

Step 4: Press Adjust Control/Select button to save the setting, or press the Back button to discard setting change.

Press HOME button to return to Home screen.



System Settings Item	Selectable Item Options	Description
Power Priority	–	Optimizes output priority between hydraulics and air compressor.
Air Pressure Min	90 psi up to 10 psi less than max pressure	Minimum pressure to start air compressor (adjustable in 1 psi increments).
Air Pressure Max	175 psi down to 10 psi greater than min pressure	Maximum pressure to stop air compressor (adjustable in 1 psi increments). Lower is better to conserve engine power.
Air Response	Low, Medium, High	Optimizes the response when a heavy air load is applied instead of waiting to turn the air compressor on when the minimum psi threshold is met.
Auto Start/Stop	Enabled / Disabled ***NOTE: Enabled is recommended.***	Engine will stop when no load is applied for the Auto Start/Stop Time threshold. Engine will start again when a load is applied.
Auto Start/Stop Time	2 to 30 minutes	How long the unit will run before Auto Stopping with no load.
RPM	Auto	Idles at 1800 rpm and adjusts based on demand.
	2800	Locked at 2800 rpm.
Screen Brightness	1 to 10	Changes the brightness of the display.
Hydraulic Max Pressure	2000 to 4000 psi ***NOTE: Compensator is factory set to 3300 psi.***	Maximum hydraulic pressure set point. If setting maximum pressure above 3300 psi factory setting, a Factory Authorized Service agent will need to adjust compensator.
Hydraulic Max Flow	3 to 20 gpm ***NOTE: Set to 8 gpm for most cranes.***	Maximum hydraulic flow set point. ⚠ ***Never set hydraulic flow higher than crane rating.***
Crane Remote Type	0V to 12V Step 0V to 12V Proportional 12V to 0V Proportional	Chooses crane remote signal type.
Crane Voltage Threshold *NOTE: If unit does not idle down when all loads are off, increase the Crane Voltage Threshold slightly until unit idles down.*	0.1V to 12V	Optimizes voltage threshold for OFF vs ON. • For "0V to 12V Step" and "0V to 12V Proportional" crane remotes, set Crane Voltage Threshold to 0.1V. • For IMT Cranes, set Crane Voltage Threshold higher than 0.1V to allow unit to idle down when crane is not enabled. • For "12V to 0V Proportional" crane remotes, set Crane Voltage Threshold to slightly less than 12V.
Tap To Start (Weld Units Only)	Enabled / Disabled ***NOTE: Enabled is recommended.***	Enabled: Restarts engine while in Auto Stop mode by tapping welding rod to workpiece. Disabled: Engine does not restart by tapping welding rod.
Safe Start	Enabled / Disabled ***NOTE: Enabled is recommended.***	Enabled: When in weld screen or battery charge mode, unit will automatically switch to Chassis Power when chassis battery voltage drops below 12.3 volts. Disabled: Unit does not automatically switch to Chassis Power.
Power Time	1 to 20 minutes	Adjustable timeout for automatic switch to Chassis Power.

Air Compressor Operation

1 Air Compressor Operation Button

While in the Home screen and the Weld screen, press the Air Compressor Operation button to toggle the compressor output.

Compressor is On when AIR icon is white, and Off when AIR icon is gray.

NOTE: Weld output and generator power may be reduced when the air compressor is on.

Maintenance

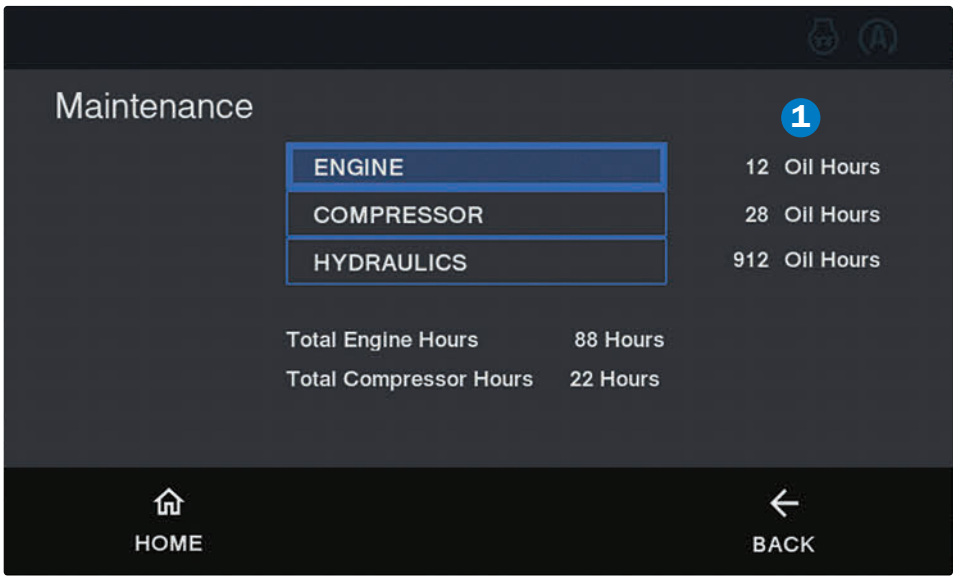
Service Intervals

Change service intervals or reset interval countdown here.

The Maintenance screen displays engine and compressor hours for the unit and allows the user to reset oil change hours and change the interval (only shorter than recommended).

1 Hours Before Next Oil Change Required For Each Component

Press the Home button to go to the Home screen. Press the Back button to go to the Menu screen.



Maintenance Label

Label located under the top cover.

Service intervals, filters and filter kit part numbers are all listed here for reference.

Additional information and details are available in the owner's manual.

Record Serial Number Of Your Unit

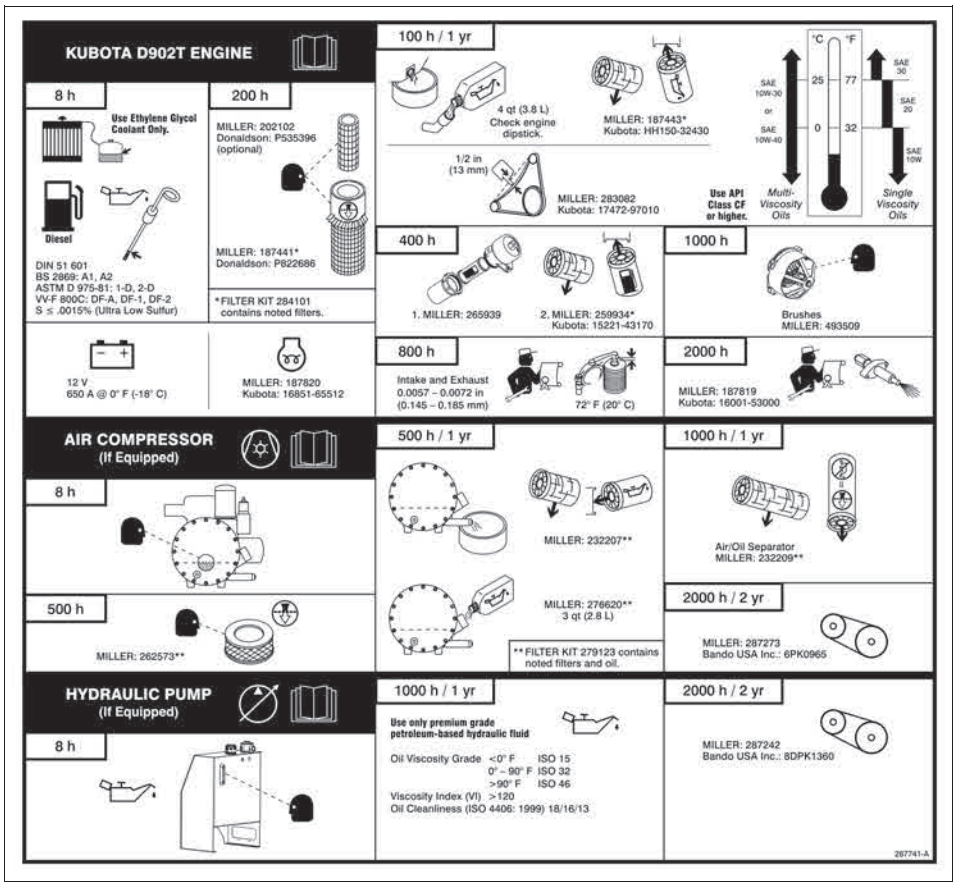
Contact your Upfitter for service or questions.

Upfitter

Service Contact

Phone

Email



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