

## Overload Warning - Set - If Equipped

SMCS - 1408; 5472; 7490

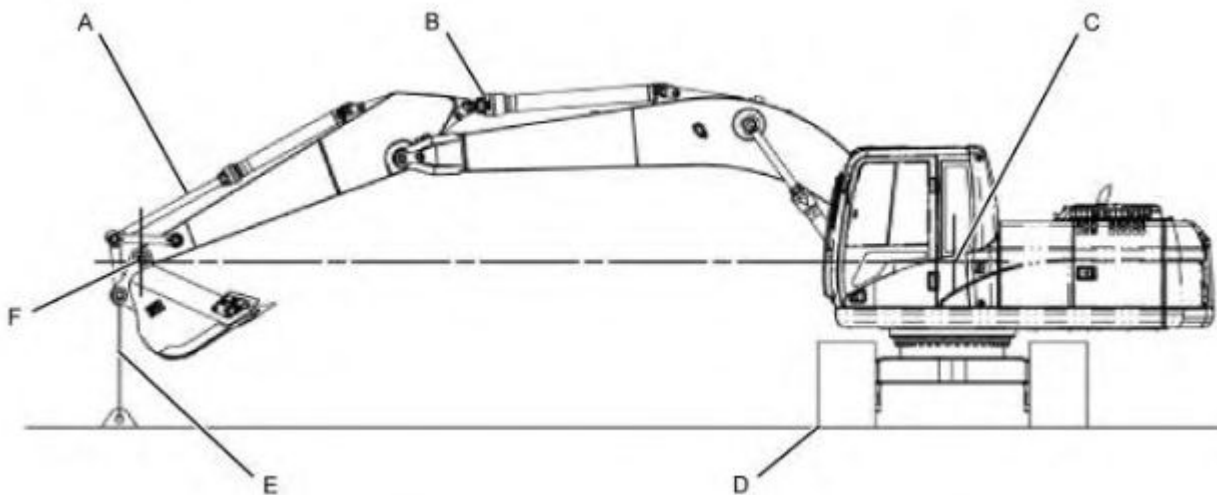
The overload warning device is a system that warns the operator that the pump pressure for the boom cylinder lines has exceeded a set value. The set value for the overload warning device varies because of the machine configuration and the attachments that are installed. The alarm setting for the overload warning device on your machine should be checked for the proper adjustment. Use the information that follows in order to calculate the correct value and reset the parameter for the overload warning device.

**Note:** The engine speed and/or the machine configuration that is used during this test can affect the results of this test. Refer to Testing and Adjusting, "Engine Performance - Test (Engine Speed)" for the engine speed that was used for this test.

**Note:** The relief valve pressure settings must be set to the relief valve pressure specification before performing this operational check. Refer to Testing and Adjusting, "Specifications".

## Calculation Of The Threshold Pressure For The Overload Warning Device

Use the information that follows in order to calculate the correct value of the threshold pressure for the overload warning device on your machine.



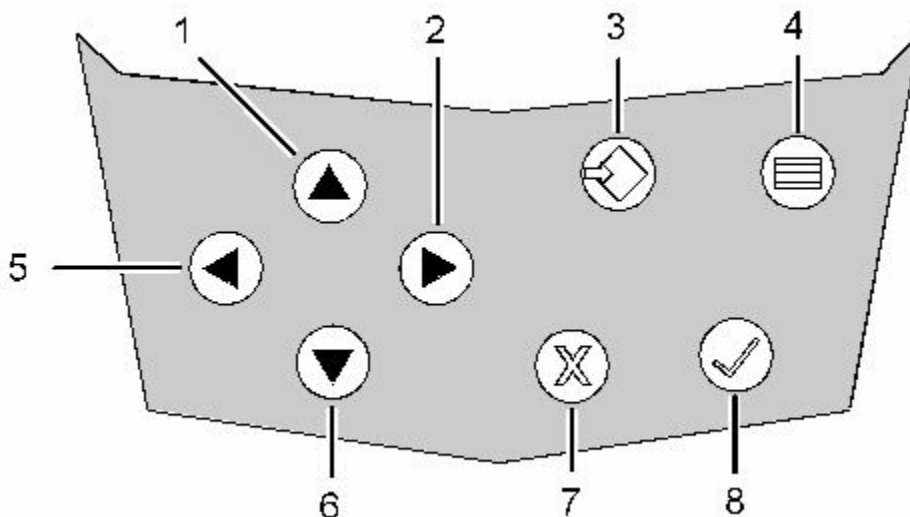
Basic position of the machine

- (A) Full extension of bucket cylinder
- (B) Full retraction of stick cylinder
- (C) Position of the pin in the boom foot
- (D) Position of the track
- (E) Secured position of the bucket
- (F) Position of the pin in the stick nose

1. Position the machine. Refer to Illustration 1.
2. Stop the engine.
3. Connect the linkage and a stationary object with a suitable lifting device (E). Make sure that the pin in the stick nose is the same distance from the ground as the pin for the boom foot (F) .

**Note:** Make sure that the boom is positioned perpendicular to the track. The machine should be configured with the boom, the stick, and the attachments that will be used.

4. Start the engine.
5. Place the machine controls at the following settings: engine speed dial 10 and AEC switch OFF. Refer to Testing and Adjusting, "Engine Performance - Test (Engine Speed)" for engine rpm settings.
6. Increase the hydraulic oil temperature to  $55^{\circ} \pm 5^{\circ}\text{C}$  ( $131^{\circ} \pm 9^{\circ}\text{F}$ ).
7. Access the "STATUS" mode with the monitor in order to measure the pump pressure during boom operation. The "STATUS" mode will display the parameters of the components of the machine. Use Illustration 2 in order to navigate the monitor.

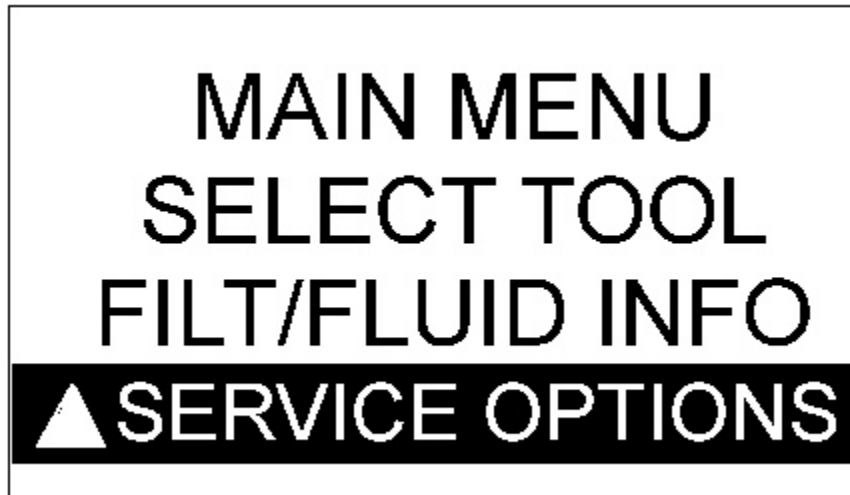


- (1) Up key
  - (2) Right key
  - (3) Home key
  - (4) Main menu key
  - (5) Left key
  - (6) Down key
  - (7) Cancel key
  - (8) OK key
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Typical example of a display

8. The default operating display screen is shown above. Press the menu key (4) in order to display the main menu options and enter the service mode.
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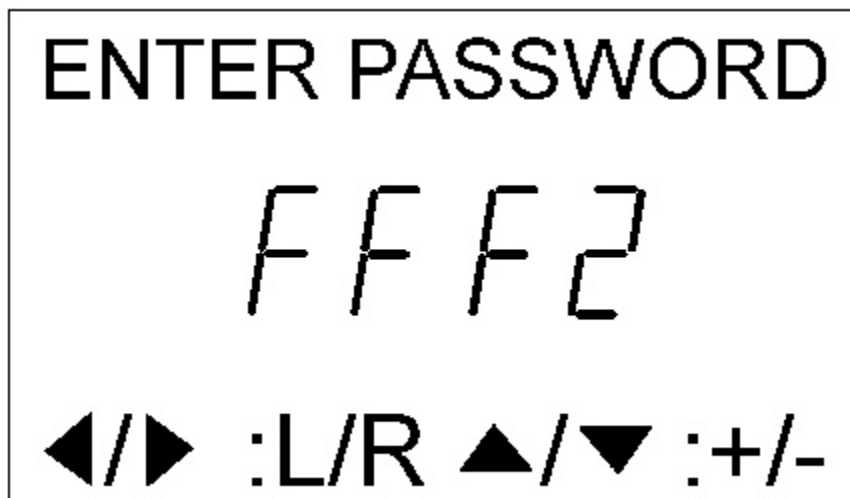


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Illustration 4

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- a. Use the appropriate up key (1) or down key (6) to scroll through the listed menu options. Highlight the "SERVICE OPTIONS" setting. Press the OK key (8) .



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Illustration 5

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- b. When "PASSWORD" screen appears, use the arrow keys for direction to input the password. When the desired character is highlighted, press the OK key (8). Enter the password for service FFF2 in order to continue to the "SERVICE" screen. After the password has been entered the "SERVICE" screen should appear.
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