

The ECM will set the cold start strategy when the coolant temperature is below 18 °C (64 °F).

When the cold start strategy is activated, low idle rpm will be increased to 1000 rpm and the engine's power will be limited.

Cold mode operation will be deactivated when any of the following conditions have been met:

- Coolant temperature reaches 18 °C (64 °F).
- The engine has been running for fourteen minutes.

Cold mode operation varies the fuel injection amount for white smoke cleanup. Cold mode operation also varies the timing for white smoke cleanup. The engine operating temperature is usually reached before the walk-around inspection is completed. The engine will idle at the programmed low idle rpm in order to be put in gear.

NOTICE

A machine equipped with this electronically controlled engine should not be moved until it is out of Cold Mode operation.

If the machine is operated while in Cold Mode operation power will be noticeably reduced.

After the cold mode is completed, the engine should be operated at low rpm until normal operating temperature is reached. The engine will reach normal operating temperature faster when the engine is operated at low rpm and low power demand.

Customer Specified Parameters

The engine is capable of being programmed for several customer specified parameters. For a brief explanation of each of the customer specified parameters, see the Operation and Maintenance Manual.

Systems Operation

C12 Marine Engine

Media Number -SENR94-43-03

Publication Date -01/10/2007

Date Updated -06/08/2008

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Electronic Control System Components

SMCS - 1900

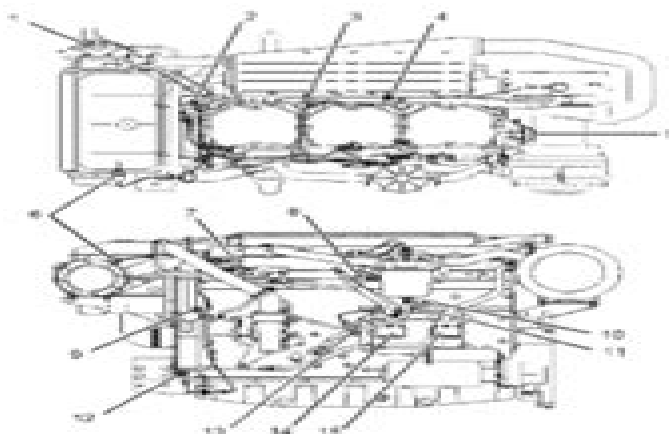


Illustration 1

g01049690

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Liying Dong

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the author's name.

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