

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

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Electronic Control System Components

SMCS - 1900

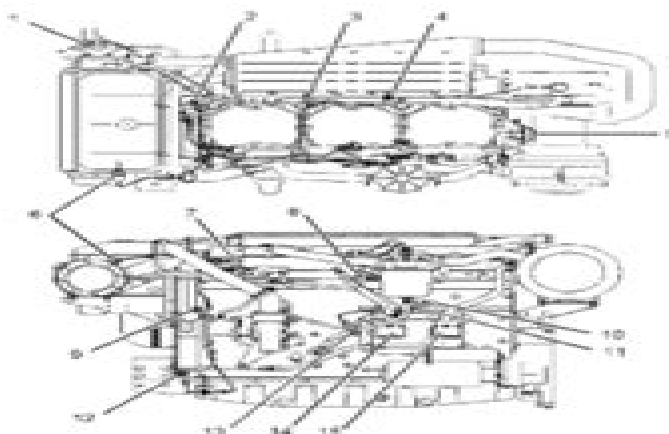


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Y Pai



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Table of Contents Caterpillar C12 Marine Engine Service Manual

1. Understanding the eBook Caterpillar C12 Marine Engine Service Manual
 - The Rise of Digital Reading Caterpillar C12 Marine Engine Service Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Caterpillar C12 Marine Engine Service Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Caterpillar C12 Marine Engine Service Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Caterpillar C12 Marine Engine Service Manual
 - Personalized Recommendations
 - Caterpillar C12 Marine Engine Service Manual User Reviews and Ratings
 - Caterpillar C12 Marine Engine Service Manual and Bestseller Lists
5. Accessing Caterpillar C12 Marine Engine Service Manual Free and Paid eBooks
 - Caterpillar C12 Marine Engine Service Manual Public Domain eBooks
 - Caterpillar C12 Marine Engine Service Manual eBook Subscription Services
 - Caterpillar C12 Marine Engine Service Manual Budget-Friendly Options
6. Navigating Caterpillar C12 Marine Engine Service Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Caterpillar C12 Marine Engine Service Manual Compatibility with Devices
 - Caterpillar C12 Marine Engine Service Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Caterpillar C12 Marine Engine Service Manual
 - Highlighting and Note-Taking Caterpillar C12 Marine Engine Service Manual
 - Interactive Elements Caterpillar C12 Marine Engine Service Manual
8. Staying Engaged with Caterpillar C12 Marine Engine Service Manual

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Caterpillar C12 Marine Engine Service Manual
- 9. Balancing eBooks and Physical Books Caterpillar C12 Marine Engine Service Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Caterpillar C12 Marine Engine Service Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Caterpillar C12 Marine Engine Service Manual
 - Setting Reading Goals Caterpillar C12 Marine Engine Service Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Caterpillar C12 Marine Engine Service Manual
 - Fact-Checking eBook Content of Caterpillar C12 Marine Engine Service Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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