



SERVICE TRAINING

TECHNICAL PRESENTATION



ACERT™ TECHNOLOGY FOR ON-HIGHWAY HEAVY DUTY ENGINES

ACERT TECHNOLOGY FOR ON-HIGHWAY HEAVY DUTY ENGINES

AUDIENCE

Level II–Service personnel who understand the principles of machine systems operation, diagnostic equipment, and procedures for testing and adjusting.

CONTENT

This presentation provides update information on the C11 through C15 ACERT On-highway Heavy Duty Truck Engines. This presentation may be used for self-paced and self-directed training.

OBJECTIVES

After learning the information in this presentation, the serviceman will be able to:

1. locate and identify the new mechanical components on the C11 through C15 ACERT Heavy Duty Truck Engines,
2. explain the operation of the new components in the systems; and
3. explain new procedures in testing and adjusting.

REFERENCES

Pure Power Caterpillar On-Highway Engines with ACERT™ Technology	LECT3965
C11 and C13 On-highway Engine KCA1-up, KCB1-up - Systems Operation, Testing and Adjusting	SENR9703
C15 On-highway Engine BXSS1-up, MXS1-up - Systems Operation, Testing and Adjusting	SENR9692

Estimated Time: 1 Hour

Illustrations: 58

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ACERT™ Technology for On-Highway Heavy Duty Engines

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INTRODUCTION

This presentation covers the mechanical changes for the 2003 C11 thru C15 on-highway heavy duty engines using ACERT technology.

ACERT Technology

- **What is ACERT Technology?**
- **What engines are affected?**
- **How is ACERT Technology Different?**
- **What does ACERT Technology look like?**
- **How does ACERT Technology work?**
- **What are the advantages of ACERT Technology?**
- **Is extra maintenance required?**

This presentation will answer all of the questions above.