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CATERPILLAR®

SERV7106-04 April 2006 Vol. 4, No. 3

GLOBAL SERVICE LEARNING

TECHNICAL PRESENTATION



777F (JRP)
OFF-HIGHWAY TRUCKS

New Product Introduction (NPI)

777F (JRP) OFF-HIGHWAY TRUCKS

AUDIENCE

Level II - Service personnel who understands the principles of machine system operation, diagnostic equipment, and procedures for testing and adjusting.

CONTENT

This presentation provides new and different New Product Introduction (NPI) information for the 777F Off-Highway Trucks. This presentation may be used for self-paced and self-directed training.

OBJECTIVES

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

- 1. located and identify the new components
- 2. explain the operation of the new components in the systems
- 3. trace the flow of oil or air through the new systems

REFERENCES

"777D Update (AGC) Off-highway Truck

SERV1721

Estimated Time: 8 hrs

Illustrations: 90 Handouts: 1

Form: SERV7106-04

Date: 04/06

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NOTES

777F (JRP)



1

INTRODUCTION

Shown is the right side of the 777F Truck.

Key new features include:

- ECPC transmission
- Access systems
- Heated mirrors
- Cab
- VIMS Advisor
- Hydraulic brakes
- Tier 2 compliant C32 ACERT engine and cooling system

NOTE: The "HYDRAULIC SCHEMATIC COLOR CODE" is located after the "CONCLUSION" of this presentation.



Specifications for the 777F Truck are:

- Serial No. Prefix: JRP

- Empty weight: 48581 kg (107104 lbs.)

- Load carrying capacity: 90 metric tons (100 tons)

- Gross Machine Weight (GVW): 163293 kg (360000 lbs.)

- Width: 6.05 m (19.8 ft.) - Height: 5.03 m (16.5 ft.)

- Gross Power: 758 kW (1016 hp)

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SIMILARITIES AND DIFFERENCES

FEATURES	DIFFERENT	SIMILAR	SAME
Machine Appearance	x		
Operator's Station	X		
Engine	X		
Power Train	X		
Hoist System		Х	
Steering System		X	
Brake System	Х		
Monitoring System	X		
Air System	Х		
Maintenance Items		Х	

2

Similarities and Differences

The hoist system and steering system function similar to the 777D. The rest of the machine systems have significant changes.