

X 220

Excavator

Service Manual

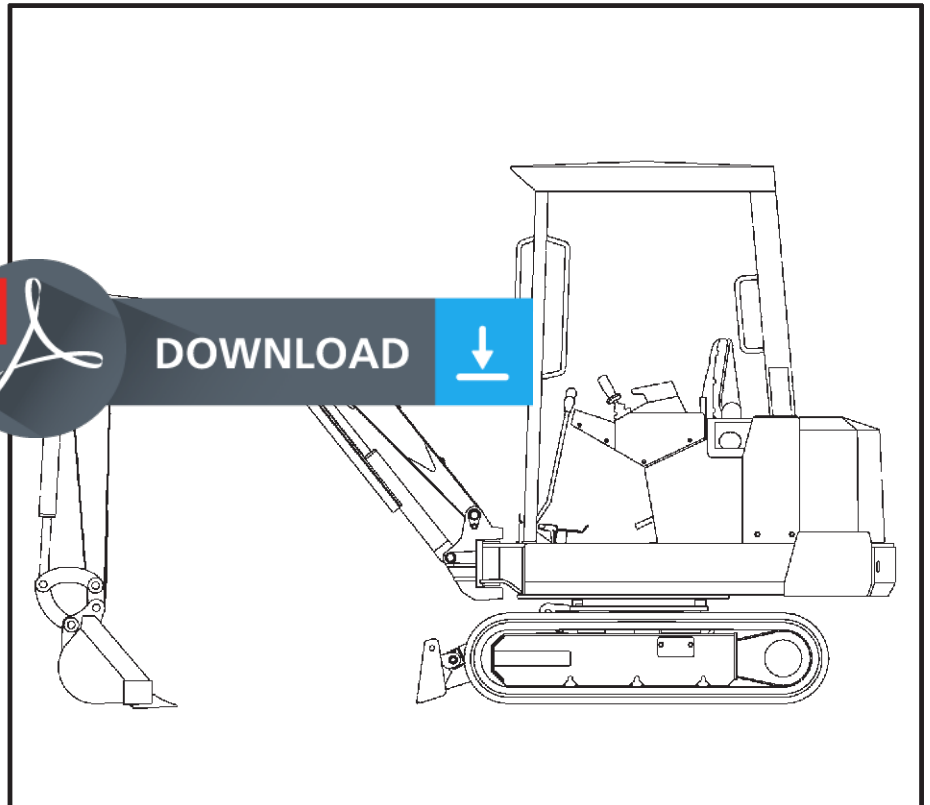
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CONTENTS

SAFETY INSTRUCTIONS	i
SERIAL NUMBER LOCATIONS	ii
DELIVERY REPORT	ii
HYDRAULIC EXCAVATOR IDENTIFICATION	iii
PREVENTIVE MAINTENANCE	1-1
HYDRAULIC SYSTEM	2-1
DRIVE SYSTEM	3-1
UPPER WORKS & SWING SECTION	4-1
MAIN FRAME & TRACKS	5-1
ELECTRICAL SYSTEM	6-1
ENGINE SERVICE	7-1
TECHNICAL DATA	8-1

**PREVENTIVE
MAINTENANCE**

**HYDRAULIC
SYSTEM**

**DRIVE
SYSTEM**

**UPPER WORKS
& SWING
SECTION**

**MAIN FRAME
& TRACKS**

**ELECTRICAL
SYSTEM**

**ENGINE
SERVICE**

**TECHNICAL
DATA**

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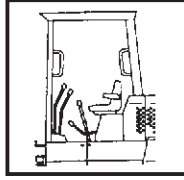
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FOREWORD

This manual is for the Bobcat hydraulic excavator mechanic. It provides necessary servicing and adjustment procedures for the hydraulic excavator and its component parts and systems. Refer to the Operation & Maintenance Manual for operating instructions, starting procedure, daily checks, etc.

A general inspection of the following items must be made after the hydraulic excavator has had service or repair:

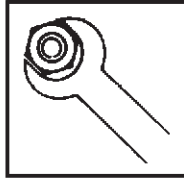
1. Check that the operator canopy is in good condition and is not modified.



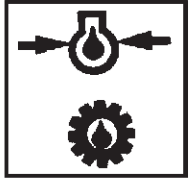
9. Safety treads must be in good condition.



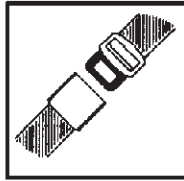
2. Check that the operating canopy mounting hardware is tightened and is Melroe approved.



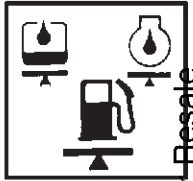
10. Check for the correct function of the indicator lamps.



3. The seat belt must be correctly installed, functional and in good condition.



11. Check hydraulic fluid level, engine oil and fuel supply.



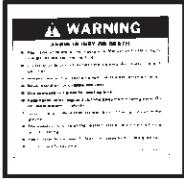
4. Inspect for loose or broken parts or connections.



12. Inspect for fuel, oil or hydraulic leaks..



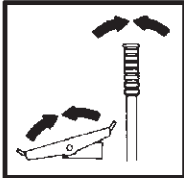
5. Machine signs must be legible and in the correct location.



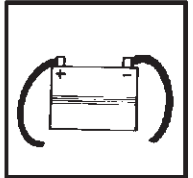
13. Lubricate the hydraulic excavator.



6. Steering levers, control levers and foot pedals must return to neutral. Control lock must lock controls securely.



14. Check the condition of the battery and cables.



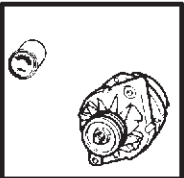
7. Inspect the air cleaner for damage or leaks. Check the condition of the element.



15. Check for any field modifications not completed.



8. Check the electrical charging system.



Recommend to the owner that all necessary corrections be made before the machine is returned to service.





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