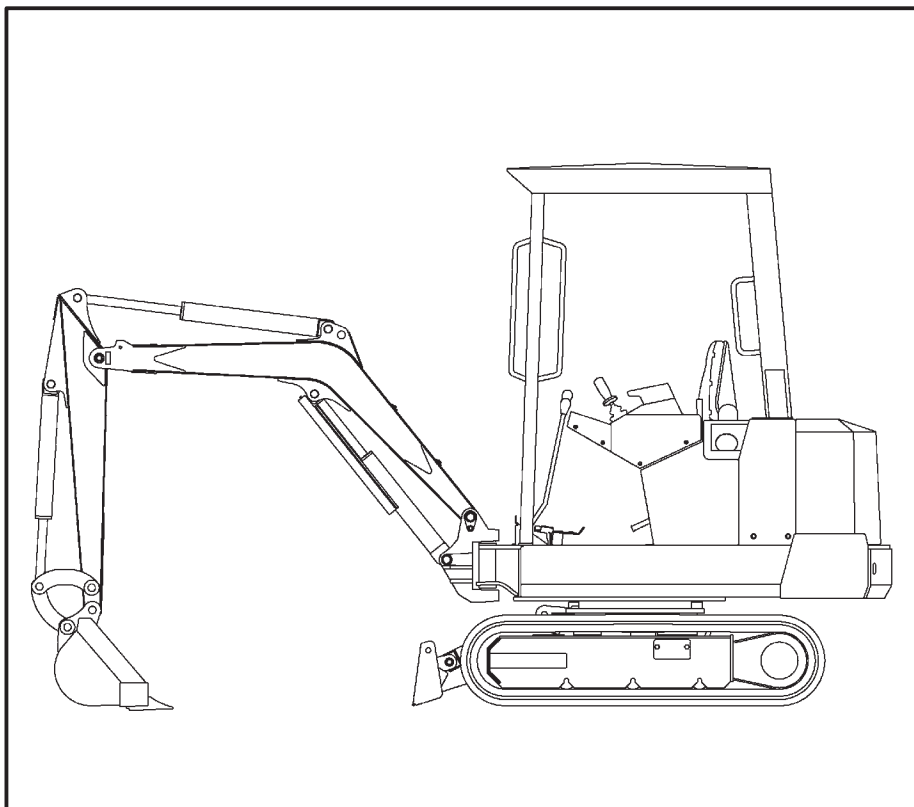


X 220

Excavator

Service Manual

(S/N 508211999 & Below)



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PREVENTIVE MAINTENANCE

HYDRAULIC SYSTEM

DRIVE SYSTEM

UPPER WORKS & SWING SECTION

MAIN FRAME & TRACKS

ELECTRICAL SYSTEM

ENGINE SERVICE

TECHNICAL DATA

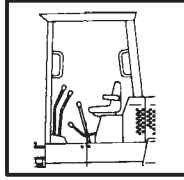


FOREWORD

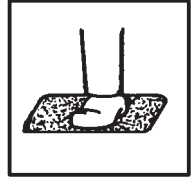
This manual is for the Bobcat hydraulic excavator mechanic. It provides necessary servicing and adjustment procedures for the hydraulic excavator and its component parts and systems. Refer to the Operation & Maintenance Manual for operating instructions, starting procedure, daily checks, etc.

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

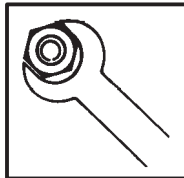
1. Check that the operator canopy is in good condition and is not modified.



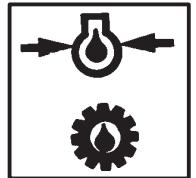
9. Safety treads must be in good condition.



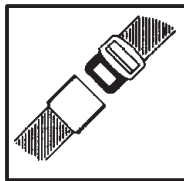
2. Check that the operating canopy mounting hardware is tightened and is Melroe approved.



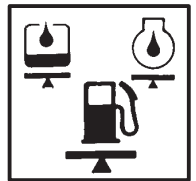
10. Check for the correct function of the indicator lamps.



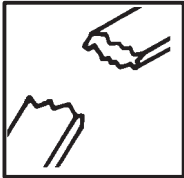
3. The seat belt must be correctly installed, functional and in good condition.



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



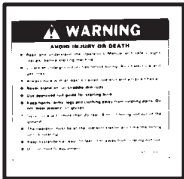
4. Inspect for loose or broken parts or connections.



12. Inspect for fuel, oil or hydraulic leaks.



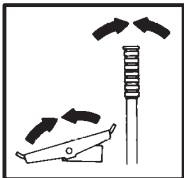
5. Machine signs must be legible and in the correct location.



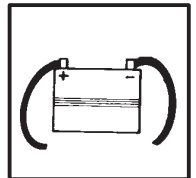
13. Lubricate the hydraulic excavator.



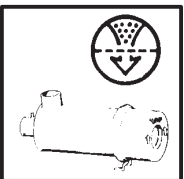
6. Steering levers, control levers and foot pedals must return to neutral. Control lock must lock controls securely.



14. Check the condition of the battery and cables.



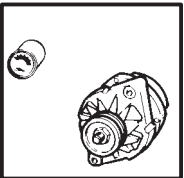
7. Inspect the air cleaner for damage or leaks. Check the condition of the element.



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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