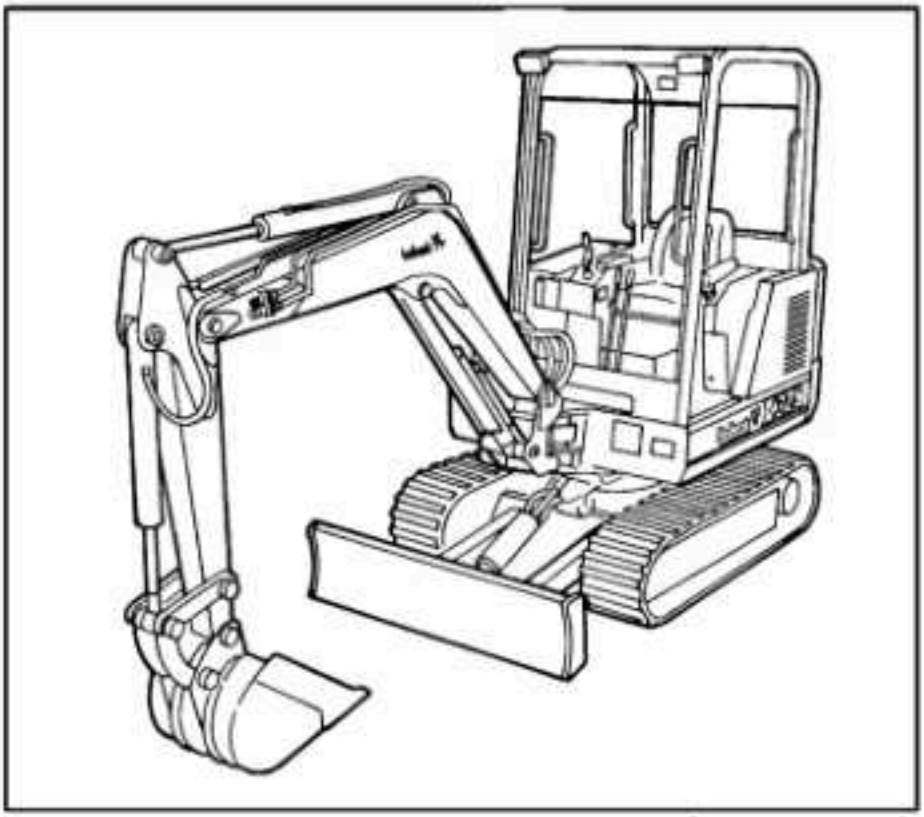
X 325

Excavator

Operation & Maintenance Manual

(S/N 514013001 & Above)



MELROE
INGERSOLL-RAND
6724546(3-97) Revised (5-97)

Printed in U.S.A.

bobcat

© Melroe Company 1997

MidWestTech | Bobcat X325 Excavator Operation & Maintenance Manual | Publication 672... Order the manual at mid-west-tech.com >

PREVENTIVE MAINTENANCE

AIR CLEANER SERVICE 28

ALTERNATOR BELT ADJUSTMENT 34

COOLING SYSTEM 33
- Coolant Level 33
- Coolant Replacement 33

ELECTRICAL SYSTEM 34
- Electric Solenoid (Engine Stop) 37
- Electrical Relays And Diodes 34
- Fuses 35
- Removal And Installation Of The Battery 37
- Service The Electrical System (And Battery) 35
- Using A Booster Battery (Jump Starting) 36

ENGINE COVER 28
- Adjustment Of The Engine Cover Latch 28

ENGINE LUBRICATION SYSTEM 32
- Checking Engine Oil 32
- Replacement Of Oil And Filter 32

FINAL DRIVE CASE 43
- Checking Oil Level 43
- Draining Final Drive Case 43

FUEL SYSTEM 30
- Filling The Fuel Tank 30
- Fuel Filter 30
- Fuel Specifications 31
- Fuel System Maintenance 31
- Removing Air From The Fuel System 31

HEATER AIR FILTER (With Cab Option Only) 47

HYDRAULIC SYSTEM 38
- Checking And Adding Fluid 38
- Diagnostic Couplers 38
- Drain Return Line Filter Service 39
- Hydraulic Reservoir 39
- Replacement Of The Hydraulic Filter 39

JOYSTICK CONTROL CHANGE 44
- ISO To Standard Control Pattern 44
- Standard To ISO Control Pattern 44

LUBRICATION OF THE HYDRAULIC EXCAVATOR 45

SERVICE SCHEDULE 27

SPARK ARRESTOR MUFFLER 40

TRACK TENSION 41
- Adjustment 41
- Rubber Tracks 41
- Steel Tracks 42

MidWestTech | Bobcat X325 Excavator Operation & Maintenance Manual | Publication 672... Order the manual at mid-west-tech.com >

BEFORE OPERATING THE BOBCAT HYDRAULIC EXCAVATOR

Safety Alert Symbol: This Safety symbol is used for important safety messages. When you see this symbol, follow the safety message to avoid personal injury or death.

⚠ WARNING

Operator must have instructions before operating Bobcat loader or excavator and approved attachment. Untrained operators can cause injury or death.

W–2253–0996



B–10731

The Excavator must be in good operating condition before use.

Check all of the items on the Service Schedule under the 8–10 hour column.

⚠ WARNING

For your safety, warnings are on the machine and in the Operation & Maintenance manual. Failure to obey warnings can cause injury or death.

W–2044–1285

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

I–2019–0284

SAFE OPERATION NEEDS A QUALIFIED OPERATOR*

A QUALIFIED OPERATOR MUST DO THE FOLLOWING:

- UNDERSTAND THE WRITTEN INSTRUCTIONS, RULES AND REGULATIONS
  - The written instructions from Melroe Company include the delivery report, operator handbook, Operation & Maintenance Manual, and machine signs (decals).
  - Check the rules and regulations at your location.
- HAVE TRAINING WITH ACTUAL OPERATION
  - Operator training must consist of a demonstration and verbal instruction. This training is given by your excavator dealer before the excavator is delivered.
  - The new operator should start in an area without bystanders and use all the controls until he can operate safely under all conditions of the work area.
- KNOW THE WORK CONDITIONS
  - For each material to be handled, the operator must know how to avoid exceeding the rated lift capacity of the excavator. For example, you should not use the excavator for lifting heavy objects.
  - The operator must know any prohibited uses or work areas, for example, he needs to know about excessive slopes.
  - Know the location of any underground lines. Call local utilities or ONE CALL before you dig.
  - Wear tight fitting clothing. Always wear safety glasses when maintaining or servicing excavator. Safety glasses, hearing protection or an excavator special application kit are required for some work. See your dealer about Melroe Safety equipment.

* For an operator to be qualified, he must not use drugs or alcoholic drinks which impair his alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he can safely operate a machine.

MidWestTech | Bobcat X325 Excavator Operation & Maintenance Manual | Publication 672... Order the manual at mid-west-tech.com >