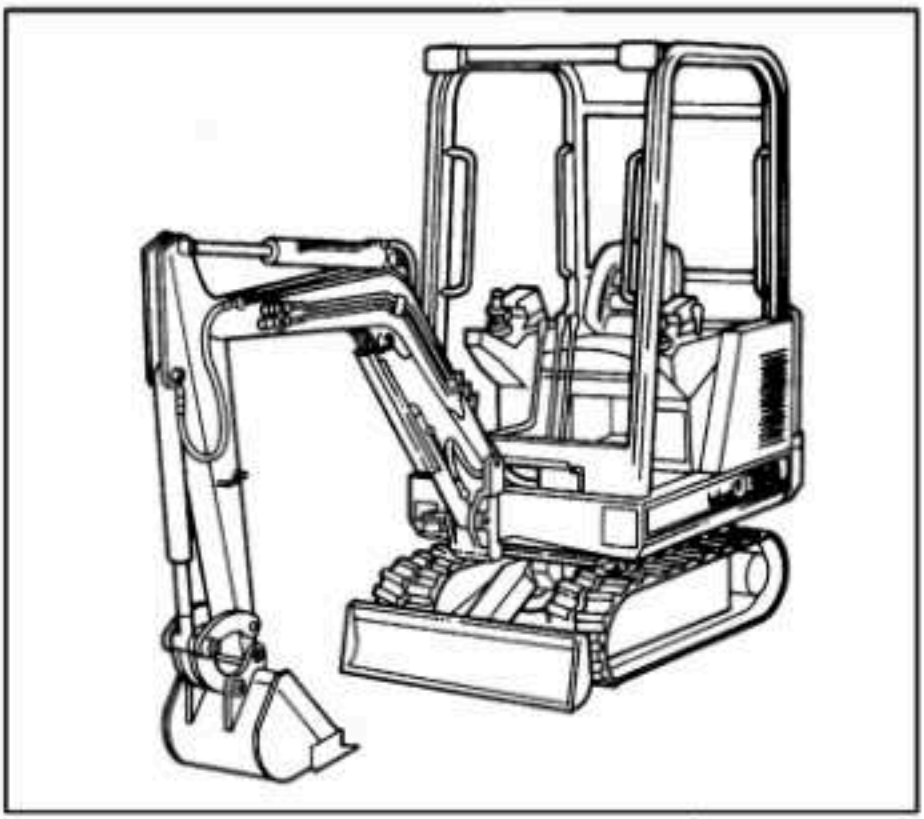
# X 320

# Excavator

# Operation & Maintenance Manual

## (S/N 562313001 & Above)



MELROE
INGERSOLL-RAND

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bobcat

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## PREVENTIVE MAINTENANCE


AIR CLEANER SERVICE ..... 34
Daily Check ..... 34
Filter Replacement ..... 35

ALTERNATOR BELT ADJUSTMENT ..... 40

COOLING SYSTEM ..... 39
Coolant Level ..... 39
Coolant Replacement ..... 39

ELECTRICAL SYSTEM ..... 40
Electric Solenoid (Engine Stop) ..... 44
Electrical Relays and Diodes ..... 40
Fuses ..... 41
Removal And Installation Of The Battery ..... 44
Service The Electrical System And Battery ..... 42
Using A Booster Battery (Jump Starting) ..... 43

ENGINE COVER ..... 34
Adjustment Of The Engine Cover Latch ..... 34

ENGINE LUBRICATION SYSTEM ..... 38
Checking Engine Oil ..... 38
Replacement Of Oil And Filter ..... 38

FINAL DRIVE CASE ..... 49
Checking Oil Level ..... 49
Draining Final Drive Case ..... 49

FUEL SYSTEM ..... 36
Filling The Fuel Tank ..... 36
Fuel Filter ..... 36
Fuel Specifications ..... 37
Fuel System Maintenance ..... 37
Removing Air From The Fuel System ..... 37

HEATER AIR FILTER (With Cab Option Only) ..... 53

HYDRAULIC SYSTEM ..... 45
Checking And Adding Fluid ..... 45
Diagnostic Couplers ..... 46
Case Drain Hydraulic Filter ..... 46
Hydraulic Reservoir ..... 46
Replacement Of The Hydraulic Filter ..... 46

JOYSTICK CONTROL CHANGE ..... 50
ISO To Standard Control Pattern ..... 50
Standard To ISO Control Pattern ..... 51

LUBRICATION OF THE HYDRAULIC EXCAVATOR ..... 52

SERVICE SCHEDULE ..... 33

SPARK ARRESTOR MUFFLER ..... 47

TRACK TENSION ..... 48
Adjustment ..... 48






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## BEFORE OPERATING THE BOBCAT HYDRAULIC EXCAVATOR

**Safety Alert Symbol: This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.**

**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 or as shown in this manual.

**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, Operation & Maintenance Manual, Operator Handbook, and machine signs (decals).
  - Check the rules and regulations at your location. The rules may include an employer's work safety requirements. Regulations may apply to local driving requirements or use of Slow Moving Vehicle emblem. Regulations may identify a hazard such as a utility line.
- 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.
  - The Compact Excavator Operator Training Course is available in English and Spanish. The course provides information for safe and efficient operation. See your dealer for availability.
- 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 the TOLL FREE phone number found in the *SAFETY INSTRUCTIONS* Section of this manual.
  - 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.

SI23–0598



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