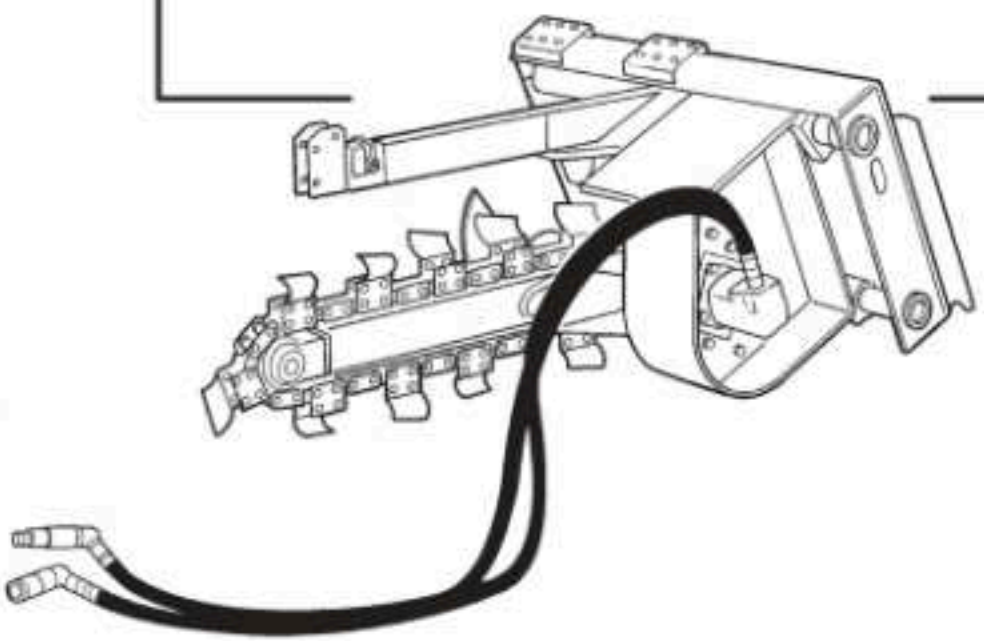
LT 102A
MX 102
TRENCHER

Bobcat

Operation & Maintenance Manual

S/N 233700101 & Above
S/N 233900101 & Above



Bobcat

6901506 (10-01) Revised (12-01)

Printed in U.S.A.

© Bobcat Company 2001

MidWestTech | Bobcat LT102A, MX102 Trencher Operation & Maintenance Manual | Publi... Order the manual at mid-west-tech.com >

CONTENTS

FOREWORD iii
SAFETY ix
OPERATING INSTRUCTIONS 1
TRENCHER MAINTENANCE 35
SPECIFICATIONS 45

REFERENCE INFORMATION

Write the correct information for YOUR Trencher in the spaces below. Always use these numbers when referring to your Trencher.

Trencher Serial Number ..... _____

_____

_____

_____

NOTES: _____

_____

_____

_____

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040–0128

Bobcat Company Europe
J. Huysmanslaan 59
B–1651 LOT
Belgium

MidWestTech | Bobcat LT102A, MX102 Trencher Operation & Maintenance Manual | Publi... Order the manual at mid-west-tech.com >

PARKING THE BOBCAT 463 LOADER

Stop the Bobcat loader on level ground.

Lower the lift arms fully and put the trencher flat on the ground **[A]**.

Move the engine speed control lever to low engine RPM. Turn the key switch to the OFF position.

Engage the parking brake.

(Foot Pedal Controls) Move pedals until both lock.

Unbuckle the seal belt. Remove the key from the switch to prevent operation of the loader by unauthorized personnel.



⚠ WARNING

AVOID INJURY OR DEATH

Before you leave the operator's seat:

- **Lower the lift arms, put the attachment flat on the ground.**
- **Stop the engine.**
- **Engage the parking brake.**
- **Raise seat bar, move pedals until both lock.**

W-2045-1086

MidWestTech | Bobcat LT102A, MX102 Trencher Operation & Maintenance Manual | Publi... Order the manual at mid-west-tech.com >

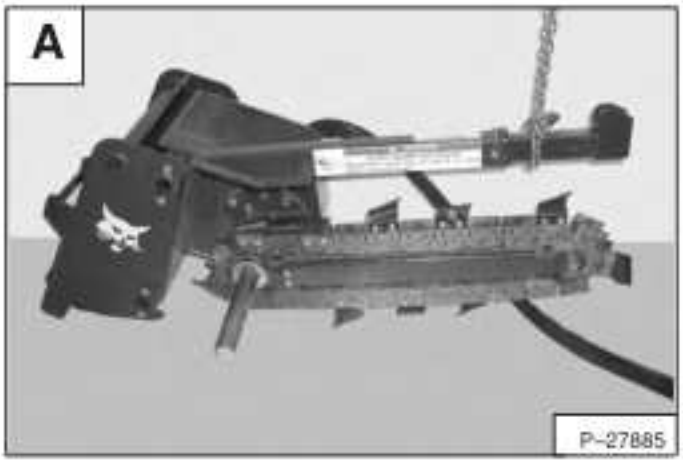
DIGGING CHAIN

Removal And Installation

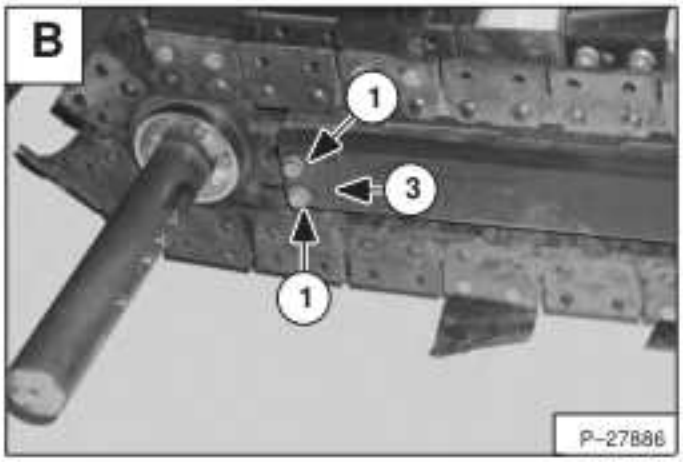
If the trencher is installed on the loader or excavator, disconnect the auxiliary hydraulic hoses.

Install a hoist on the end of the boom **[A]**.

Remove the auger. (See Page 33.)



Remove the top bolt (Item 1) **[B]** and loosen the bottom bolt (Item 2) **[B]**. Pivot the cover (Item 3) **[B]** down.



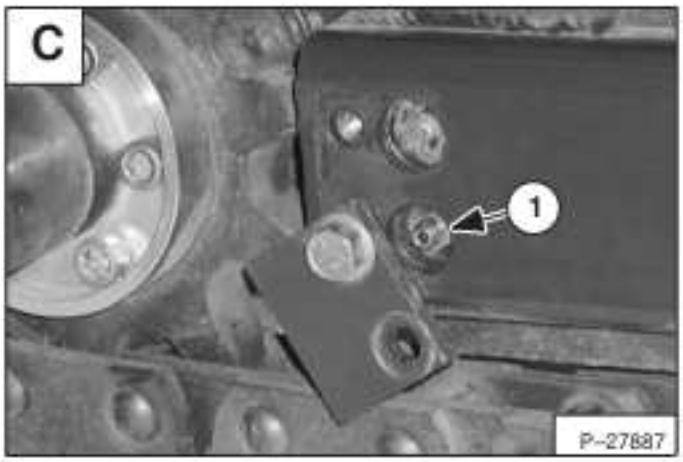
⚠ WARNING

AVOID INJURY

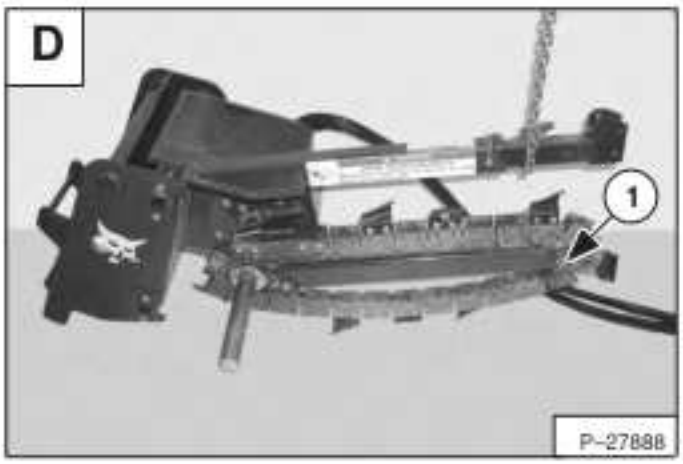
Grease and fitting can be under high pressure. Stand on side of boom opposite lube fitting when applying or removing tension from digging chain. Keep bystanders away. Use correct fitting to prevent pressure from blowing it off.

W-2110-0695

Loosen the bleed screw (Item 1) **[C]** (located in the lower hole).



Push the cylinder back to put slack in the chain (Item 1) **[D]**.



MidWestTech | Bobcat LT102A, MX102 Trencher Operation & Maintenance Manual | Publi... Order the manual at mid-west-tech.com >

SAFETY INSTRUCTIONS

SAFETY IS THE OPERATOR'S RESPONSIBILITY

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

The Bobcat product and attachment are designed to give maximum safety; but no machine design can prevent operator error or carelessness.

The Bobcat product and attachment must be in good operating condition before use.

Check all of the items on the Bobcat Service Schedule Decal under the 8–10 hour column or as shown in the Operation & Maintenance Manual.

⚠WARNING

Operator must have instructions before running the machine. Untrained operators can cause injury or death.

W–2001–1285

IMPORTANT

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

I–2019–0284

⚠WARNING

Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can cause injury or death.

W–2044–1285

SAFE OPERATION NEEDS A QUALIFIED OPERATOR *

A QUALIFIED OPERATOR MUST DO THE FOLLOWING:

- **UNDERSTAND THE WRITTEN INSTRUCTIONS, RULES AND REGULATIONS**
  - The written instructions from Bobcat Company include the Delivery Report, Operation & Maintenance Manual, Operator's Handbook, Safety Manual 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 a Slow Moving Vehicle (SMV) 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 Bobcat dealer before the product is delivered.
  - The new operator must start in an area without bystanders and use all the controls until he can operate the machine and attachment safely under all conditions of the work area. Always fasten seat belt before operating the loader.
  - Loader Operator Training Courses are available from your Bobcat dealer in English and Spanish. They provide information for safe and efficient equipment operation. Loader Safety videos are also available.
  - Service Safety Training Courses are available from your Bobcat dealer. They provide information for safe and correct service procedures.
- **KNOW THE WORK CONDITIONS**
  - Know the weight of the materials being handled. Avoid exceeding the Rated Operating Capacity of the machine. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of load if handling dense material.
  - 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 doing maintenance or service. Safety glasses, hearing protection or special applications kit are required for some work. See your dealer about Bobcat Safety equipment.

* For an operator 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 LT102A, MX102 Trencher Operation & Maintenance Manual | Publi... Order the manual at mid-west-tech.com >