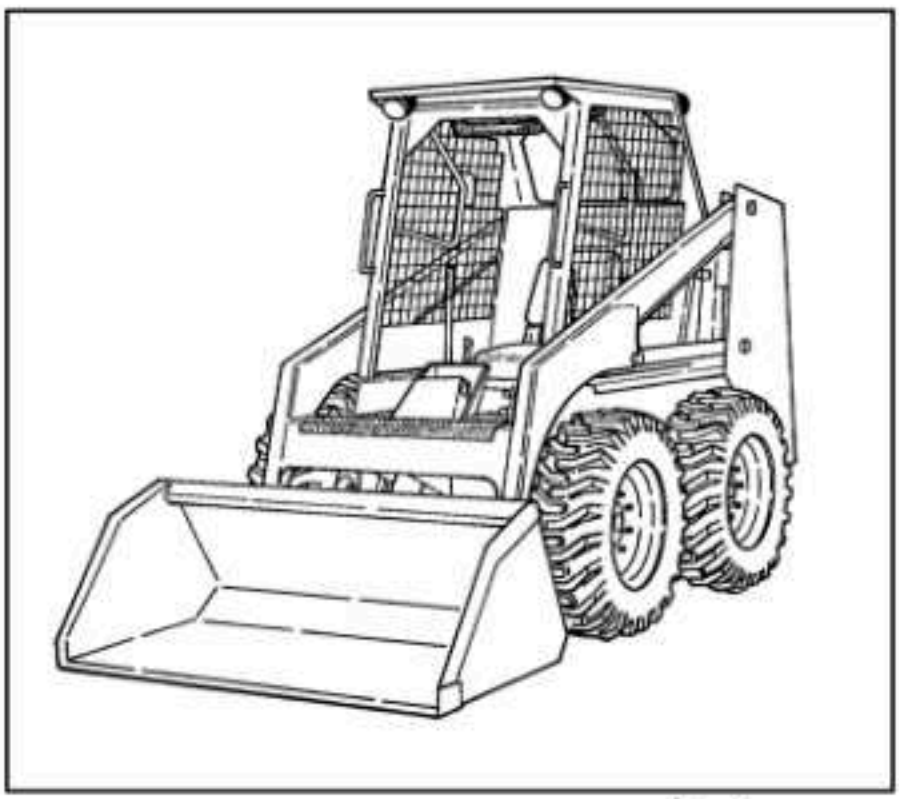
643

Operation & Maintenance Manual



MELROE
INGERSOLL-RAND

bobcat

6566708 (4–84) Revised (10–98) Printed in U.S.A.

© Melroe Company 1998

MidWestTech | Bobcat 643 Skid Steer Loader Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >

I. SAFETY INSTRUCTIONS

A. SAFETY IS YOUR RESPONSIBILITY

The Skid Steer Loader is a highly maneuverable and compact machine. In operation, it is rugged and useful under a wide variety of conditions. This presents an operator with hazards which are common for off highway, rough terrain applications but are not unique for use of Bobcat loaders. The loader has an internal combustion engine with resultant heat and exhaust. All exhaust gases can kill so the loader must be used with adequate ventilation. The loader must not be used in an area with explosive dusts or gases or so that the engine exhaust can contact flammable material. The loader has a spark arrestor muffler which is required for operation in certain areas.

For loader applications, the dealer recommends the capabilities and restrictions of the loader and attachments for each application. The dealer demonstrates the safe operation of the loader according to the manufacturer's instructional materials which are also available to all operators. The dealer can also identify unsafe modifications or use of unapproved attachments. The attachments and buckets are designed for rated capacity and secure fastening to the loader. For each model loader, the user must check with the dealer or manufacturer's literature to identify each bucket or attachment for safe loads of materials of specified densities.

The following publications provide information on the safe use of the loader and attachments:

1. The Delivery Report is used to check whether complete instructions have been given to the new owner.
2. The Operator's Manual delivered with every loader gives operating information as well as routine maintenance and service.
3. Every loader has machine signs (or decals) which instruct on the safe care and operation of the loader. The complete signs and their location are shown in the Operator's Manual. All signs are available from your Bobcat dealer.
4. The loader has a plastic Operator Handbook fastened to the operator cab. It has brief operating instructions always available to the operator. The handbook is available from your Bobcat dealer in an English Edition or a combination English, French, German, Spanish edition.
5. The Service Manual and Parts Book are optional manuals from your Bobcat dealer for use by mechanics to do shop-type service and repair work.

The dealer and owner/operator review the recommended uses of the loader and attachments at the time of delivery of the loader. If change of the use of the loader occurs in the future, the owner/operator must remember to ask the dealer for recommendations on the new use of the loader.

B. BEFORE YOU OPERATE THE BOBCAT LOADER





B-6584

The Operator's Manual was written to give the owner/operator instructions on the safe operation and maintenance of the Bobcat loader. READ AND UNDERSTAND THIS OPERATOR'S MANUAL BEFORE YOU OPERATE YOUR BOBCAT. If you have any questions, see your local Bobcat dealer.

Make sure your Bobcat loader is in good operating condition.

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





MidWestTech | Bobcat 643 Skid Steer Loader Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >

WARNINGS

⚠ WARNING

Instructions are necessary before doing service on loader. See warnings and instructions both at beginning and throughout this manual. After doing service or making repair or adjustment, always check function of loader. Failure to obey warnings can cause injury or death.

W-1008

CORRECT



⚠ Never service Bobcat loader without instructions. See Service Manual.

CORRECT



⚠ Don't lift or lower operator cab without instructions.

CORRECT



⚠ Check engine and hydraulic fluids daily.

⚠ Use recommended fluids.

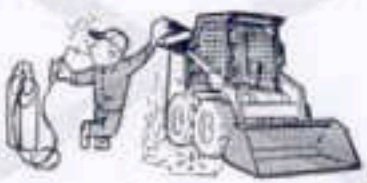
CORRECT



⚠ Cleaning and maintenance are required daily.

⚠ Keep the rear door closed except for service. Close and latch the door before operating loader.

WRONG



⚠ Do not fill fuel tank with the engine engine running, while smoking or when near an open flame.

WRONG



⚠ Never work on loader with lift arms up unless lift arms are held by a lift arm stop.

⚠ Never modify equipment or add attachments not approved by Clark Equipment., Melroe Div.

WRONG



⚠ Stop, cool and clean engine of flammable materials before checking fluids.

⚠ Never service or adjust loader with the engine running unless instructed to do so in the manual.

⚠ Avoid contact with leaking hydraulic fluids or diesel fuel which is under pressure. It can penetrate skin or eyes.

WRONG



⚠ Keep body, loose objects and clothing away from moving parts, electrical contacts, hot parts and exhaust.

WRONG



⚠ Lead-acid batteries produce flammable and explosive gases.

⚠ Keep arcs, sparks, flames and lighted tobacco away from batteries.

⚠ Lead-acid batteries contain sulfuric acid which will damage eyes or skin on contact. If acid contacts eyes, skin or clothing, flush well with water. For contact with eyes, get immediate medical attention.

⚠ Safety Alert Symbol

MidWestTech | Bobcat 643 Skid Steer Loader Operation & Maintenance Manual | Publicati... Order the manual at mid-west-tech.com >