

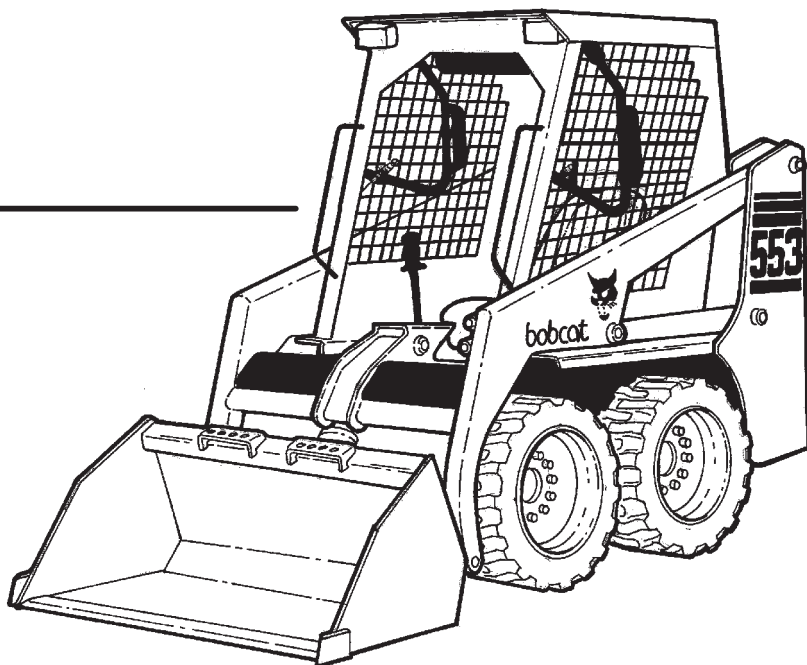
553



Bobcat®

Operation & Maintenance Manual

S/N 516311800 & Above
Europe Only – S/N 516412200 & Above



**EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICSTM)**


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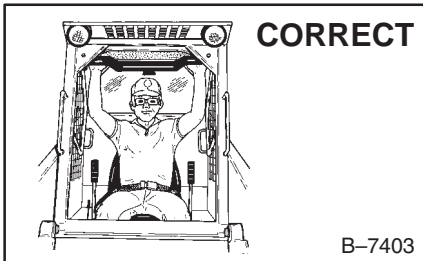
IR Bobcat®
Printed in U.S.A.



OPERATOR SAFETY WARNINGS

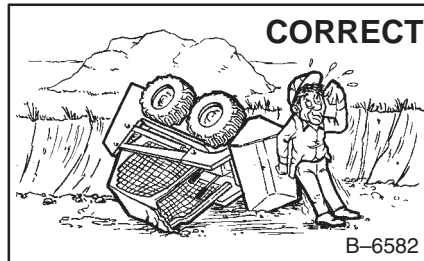
WARNING


Operator must have instructions before running the machine. Untrained operators can cause injury or death. W-2001-1285

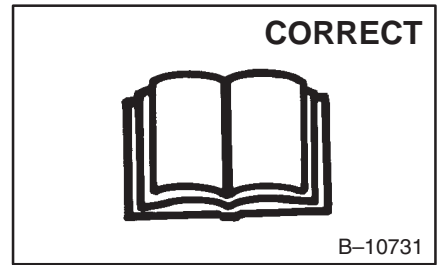
 **Safety Alert Symbol:** This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.




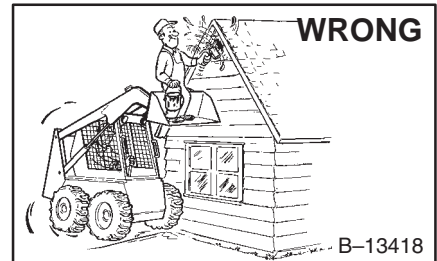
 Always use the seat bar and fasten seat belt snugly.
 Always keep feet on the foot pedals or footrests when operating loader.



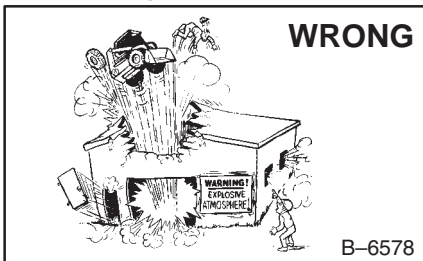
 Never use loader without operator cab with ROPS and FOPS approval. Fasten your seat belt.




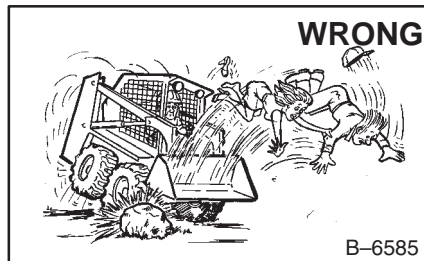
 Never use the loader without instructions. See machine signs (decals), Operation & Maintenance Manual and Handbook.





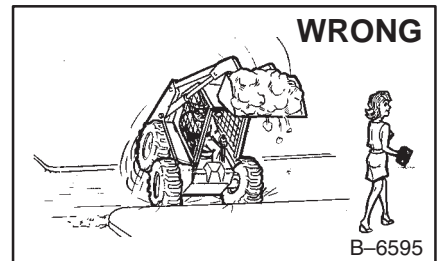
 Never use loader as man lift or elevating device for personnel.






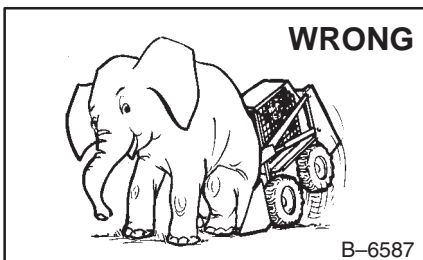
 Do not use loader in atmosphere with explosive dust or gas or where exhaust can contact flammable material.




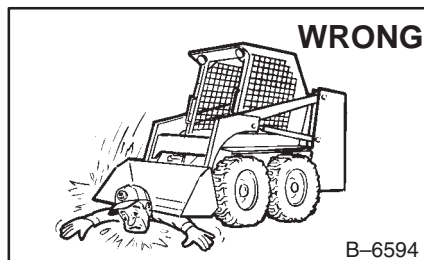
 Never carry riders.
 Keep bystanders away from work area.





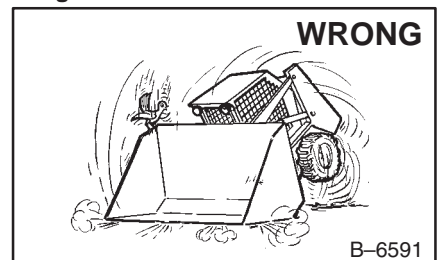
 Always carry bucket or attachments as low as possible.
 Do not travel or turn with lift arms up.
 Load, unload and turn on flat level ground.





 Never exceed rated operating capacity.



 Never leave loader with engine running or with lift arms up.
 To park, engage parking brake and put attachment flat on the ground.



 Never modify equipment.
 Use only attachments approved by Bobcat Company for this model loader.

SAFETY EQUIPMENT

The Bobcat loader must be equipped with safety items necessary for each job. Ask your dealer for information on the safe use of attachments and accessories.

1. SEAT BELT: Check belt fasteners and check for damaged webbing or buckle.
2. SEAT BAR: When up, it must lock the loader controls.
3. OPERATOR CAB (ROPS and FOPS): It must be on the loader with all fasteners tight.
4. HANDBOOK: Must be in the cab.
5. SAFETY SIGNS (DECALS): Replace if damaged.
6. SAFETY TREADS: Replace if damaged.
7. GRAB HANDLES: Replace if damaged.
8. LIFT ARM SUPPORT DEVICE: Replace if damaged.
9. PARKING BRAKE
10. BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)

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FOREWORD

SAFETY

**OPERATING
INSTRUCTIONS**

**PREVENTIVE
MAINTENANCE**

**SYSTEMS
ANALYSIS**

**MACHINE SIGN
TRANSLATIONS**

SPECIFICATIONS

**CALIFORNIA
PROPOSITION 65 WARNING**
Diesel engine exhaust and some of its
constituents are known to the State of California
to cause cancer, birth defects and other
reproductive harm.

REFERENCE INFORMATION

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

Loader Serial Number _____
Engine Serial Number _____

NOTES: _____

YOUR LOADER DEALER: _____
ADDRESS: _____
PHONE: _____

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

Bobcat Company Europe
J. Huysmanslaan 59
B-1651 LOT
BELGIUM



Bobcat Company is ISO 9001 certified

ISO 9001 is a set of international standards that control the processes and procedures which we use to design, develop, manufacture, distribute, and service Bobcat Company products.

British Standards Institute (**BSI**) is the Certified Registrar Bobcat chose to assess the Company's compliance with the ISO 9001 set of standards. The BSI registration certifies that the two Bobcat manufacturing plants and the Bobcat corporate offices (Gwinner, Bismarck & West Fargo) in North Dakota are in compliance with ISO 9001. Only certified assessors, like BSI, can grant registrations. Since registration requires this *third-party auditing*, it is irrefutable evidence of conformance. Continued certification is subject to periodic audits.

ISO 9001 means that as a company we say what we do and do what we say. In other words, we have established procedures and policies, and we provide evidence that the procedures and policies are followed.

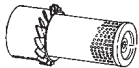
REGULAR MAINTENANCE ITEMS



6657635 ENGINE OIL FILTER (6 Pack)



6667352 FUEL FILTER



6672467 AIR CLEANER, OUTER



6672468 AIR CLEANER, INNER

6666606 RADIATOR CAP

6661248 HYDROSTATIC FILTER

6669318 BATTERY



6724094 PROPYLENE GLYCOL ANTI-FREEZE, Premixed – [-34°F (-37°C)]

6724354 PROPYLENE GLYCOL ANTI-FREEZE, Concentrate

6563328 BLACK GOLD Hydraulic/Hydrostatic Fluid – 5 Gallons

6657299 MOTOR OIL 15W40 CE/SG – 1 Qt.

6657301 MOTOR OIL 10W30 CE/SG – 1 Qt.

6657303 MOTOR OIL 30 CE/SG – 1 Qt.

FOREWORD

FOREWORD

This Operation & Maintenance Manual was written to give the owner/operator instructions on the safe operation and maintenance of the Bobcat loader. **READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR LOADER.** If you have any questions, see your Bobcat loader dealer.

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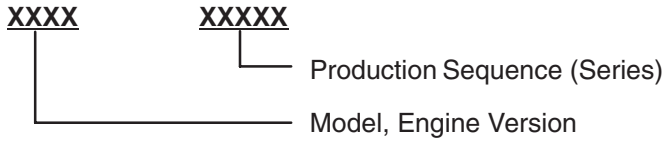
SERIAL NUMBER LOCATIONS

Always use the serial number of the loader when requesting service information or when ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation.

LOADER SERIAL NUMBER

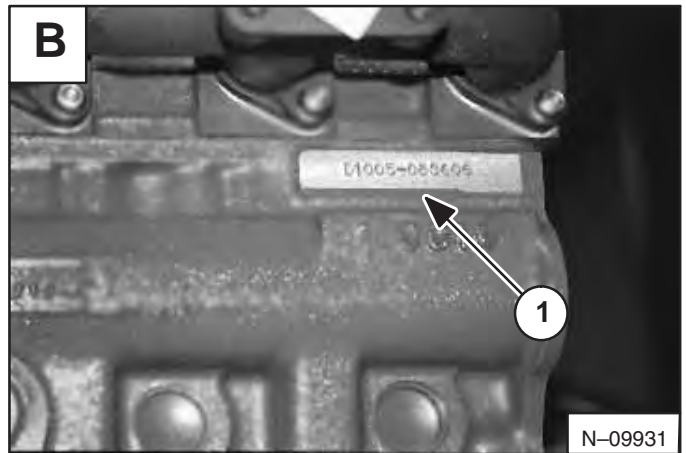
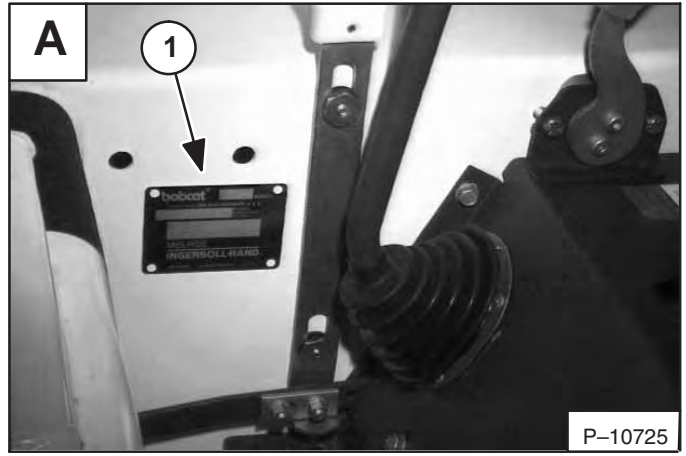
The loader serial number plate is located on the inside of the operator cab, near the right hand steering lever (Item 1) [A].

Explanation of loader Serial Number:



ENGINE SERIAL NUMBER

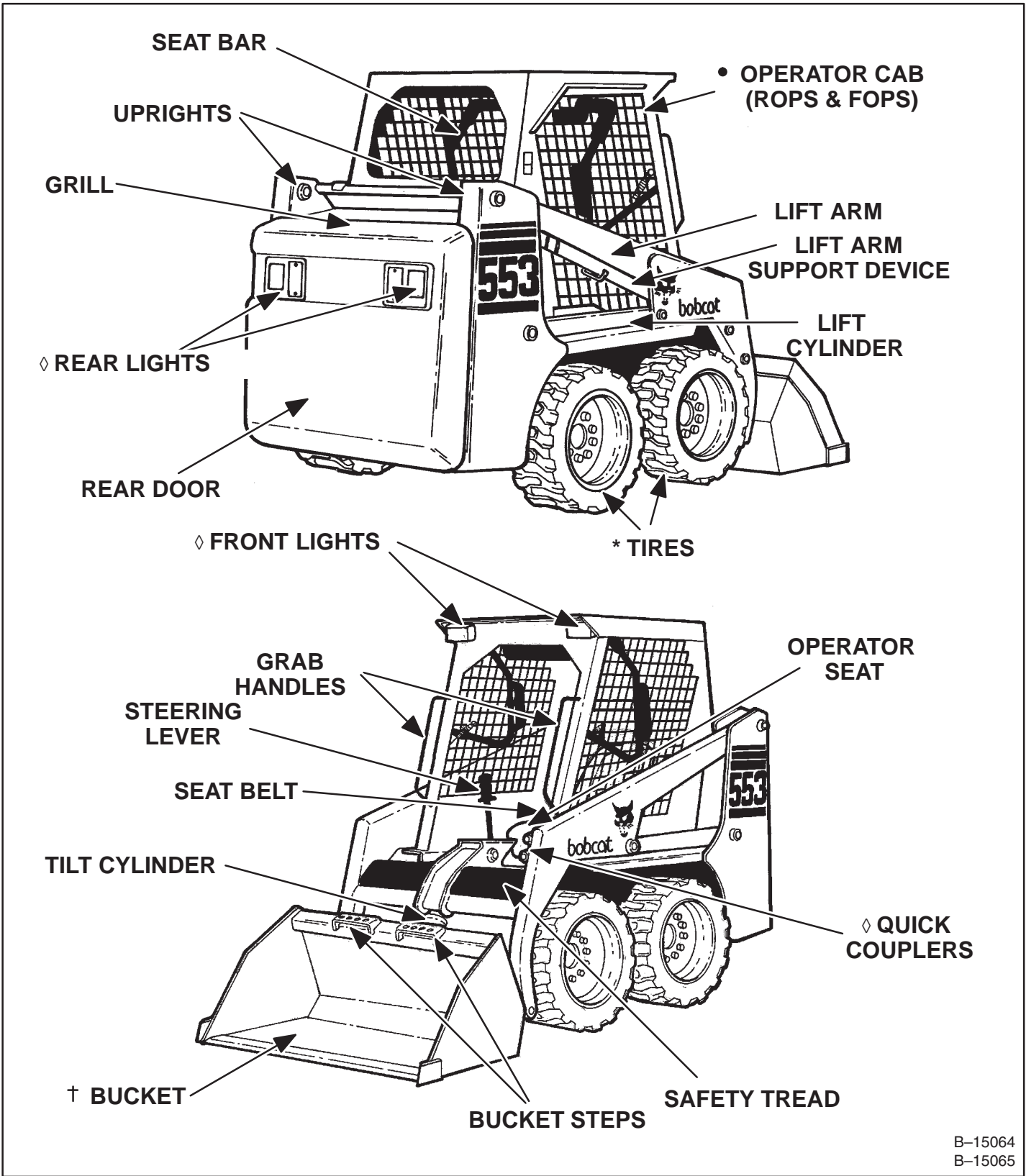
The serial number (Item 1) [B] is located below the exhaust manifold near the front of the engine.



DELIVERY REPORT

The Delivery Report must be filled out by the dealer and signed by the owner or operator when the Bobcat loader is delivered. An explanation of the form must be given to the owner. Make sure it is filled out completely [C].

BOBCAT SKID STEER LOADER IDENTIFICATION



B-15064
B-15065

◇ OPTIONAL OR FIELD ACCESSORY (Not Standard Equipment)

* TIRES – The 553 Bobcat loader is base-equipped with flotation tires as shown.

† BUCKET – Several different buckets and other attachments are available for the Bobcat loader.

● ROPS, FOPS – Roll-Over Protective Structure, Falling Object Protective Structure, per SAE J1040 and ISO 3471, and Falling Object Protective Structure per SAE J1043 and ISO 3449, Level I. Level II is available. The Bobcat loader is base-equipped with a standard operator cab as shown. Extra insulated cab is available as an option (Reduced noise level).

OPTIONS AND ACCESSORIES

Model 553 Bobcat loaders are equipped with the following standard items:

- Tires, 27 x 8.5–15 4PR (Machine Width – 47 inches)
- Bob-Tach
- Spark Arrestor Muffler
- Lift Arm Support Device
- Operator Cab (with ROPS & FOPS Approval)
- Bobcat Interlock Control System (BICS™)
- Seat Belt
- Seat Bar
- Parking Brake
- Gauges/Warning Lights
- Adjustable Cushion Seat
- Rocker Switch Activated Glow Plugs

Below is a list of some equipment available as a Factory Installed Option or as a Field Installed Accessory from your Bobcat Loader dealer. See your Bobcat dealer for other available accessories and attachments.

Tires

27 x 8.5 – 15 Bobcat Heavy Duty 6PR
(Machine Width 48 inches) Opt. & FA

Operator Cab

Sound Cab (Reduces Noise at
Operator's Ear) Opt.
Deluxe Cab Opt. & FA
Operating Lights (Front & Rear) Opt. & FA
Horn FA
Back-up Alarm Opt. & FA
Top Window Opt. & FA
Rear Window Opt. & FA
Cab Enclosure and Heater Opt. & FA
Vinyl Cab Enclosure FA
Cover Kit (Hydraulic Reservoir Area) FA
Fire Extinguisher FA
Flasher Lights FA
Strobe or Rotating Beacon Light FA
3" Seat Belt FA
Special Applications Kit* FA
Suspension Seat Opt. & FA
Large Operator Seat Bar Kit FA
FOPS/TOP Kit FA

Instrumentation

Keyless Start System FA

Hydraulics

Front Auxiliary Hydraulics Opt. & FA
Hydraulic Bucket Positioning
w/ On/Off Switch Opt. & FA

Other

Single Point Lift FA
Locking Fuel Cap FA
Low Coolant Sensor Kit FA
Rental Kit FA
Insect Screen FA
Rear Wiper FA
Fire Extinguisher FA
Catalytic Exhaust Purifier FA
Engine Heater FA

Opt. = Factory Installed Option
FA = Field Accessory
N/A = Not Available
* Includes 1/2 inch Lexan Front Door; 1/4 inch Lexan Top
& Rear Windows

***Specifications subject to
change without notice***



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