

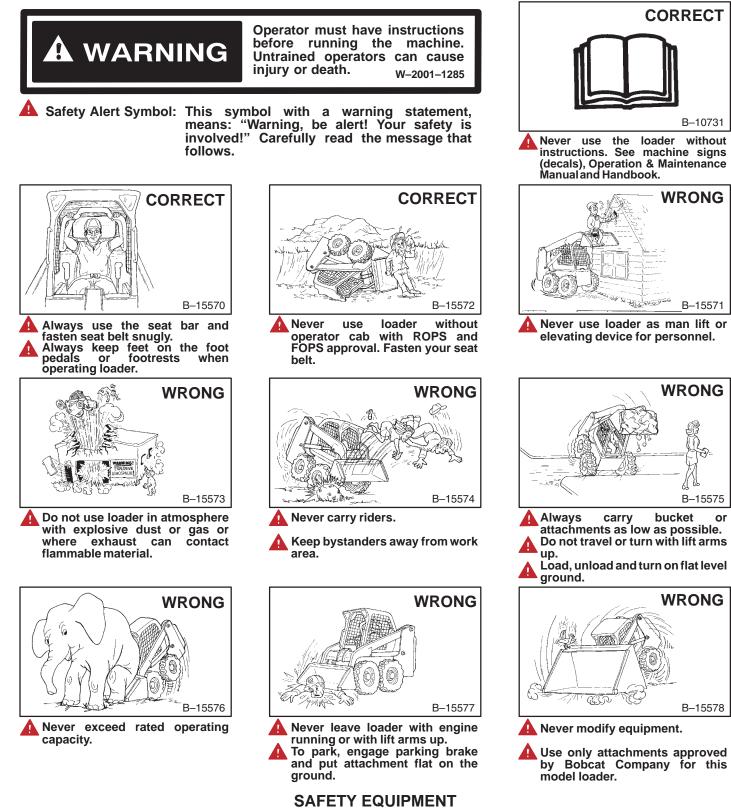
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EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS[™])

6900971 (7-03) Revised (6-12)



OPERATOR SAFETY WARNINGS



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.

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



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FOREWORD

SAFETY

OPERATING INSTRUCTIONS

PREVENTIVE MAINTENANCE

SYSTEM SETUP & 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.

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 9001:2000 certified

ISO 9001:2000 is a set of international standards that control the processes and procedures which we use to design, develop, manufacture, distribute, and service Bobcat products.

British Standards Institute (**BSI**) is the Certified Registrar Bobcat chose to assess the Company's compliance with the ISO 9001:2000 set of standards. The BSI registration certifies that the two Bobcat corporate offices (Gwinner, Bismarck & West Fargo) in North Dakota are in compliance with ISO 9001:2000. Only certified assessors, like BSI, can grant registrations.

ISO 9001:2000 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

E	6675517	ENGINE OIL FILTER			
	6667352	FUEL FILTEI	3		
	6598492	AIR CLEANE	ER, OUTER		
	6598362	AIR CLEANE	ER, INNER		
	6646678	RADIATOR (CAP		
	6661248	HYDROSTATIC FILTER			
50 F	6674687	BATTERY			
	6724094	PROPYLENE GLYCOL ANTI-FREEZE, Premixed – [-34°F (-37°C)]			
	6724354	PROPYLENE GLYCOL ANTI-FREEZE, Concentrate			
	6563328	FLUID Hydraulic/Hydrostatic – 5 Gallons			
<u>12 Qts.</u>	<u>Gal.</u>	<u>2.5 Gal.</u>			
6657299	6724558	6674204	MOTOR OIL 15W40 CE/SG		
6657301	6724557	6674205	MOTOR OIL 10W30 CE/SG		
6657303	6724559	6674206	MOTOR OIL 30 CE/SG		

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. This manual may illustrate loaders with additional options and accessories not installed on *your* loader.

SERIAL NUMBER LOCATIONS	
DELIVERY REPORT	
BOBCAT LOADER IDENTIFICATION	
FEATURES AND ACCESSORIES	



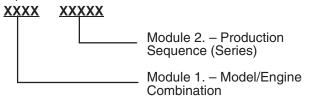
SERIAL NUMBER LOCATIONS

Always use the serial number of the loader when requesting service information or when ordering parts. Early or later models (identification madeby 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 loader frame as shown **[A]**.

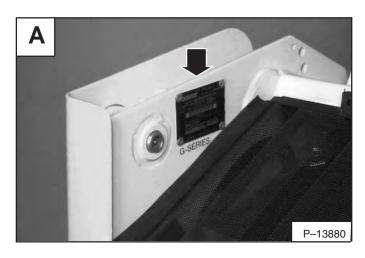
Explanation of loader Serial Number:

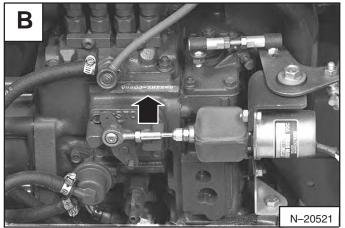


- 1. The four digit Model/Engine Combination Module number identifies the model number and engine combination.
- 2. The five digit Production Sequence Number identifies the order which the loader is produced.

ENGINE SERIAL NUMBER

The engine serial number is in the location shown [B].





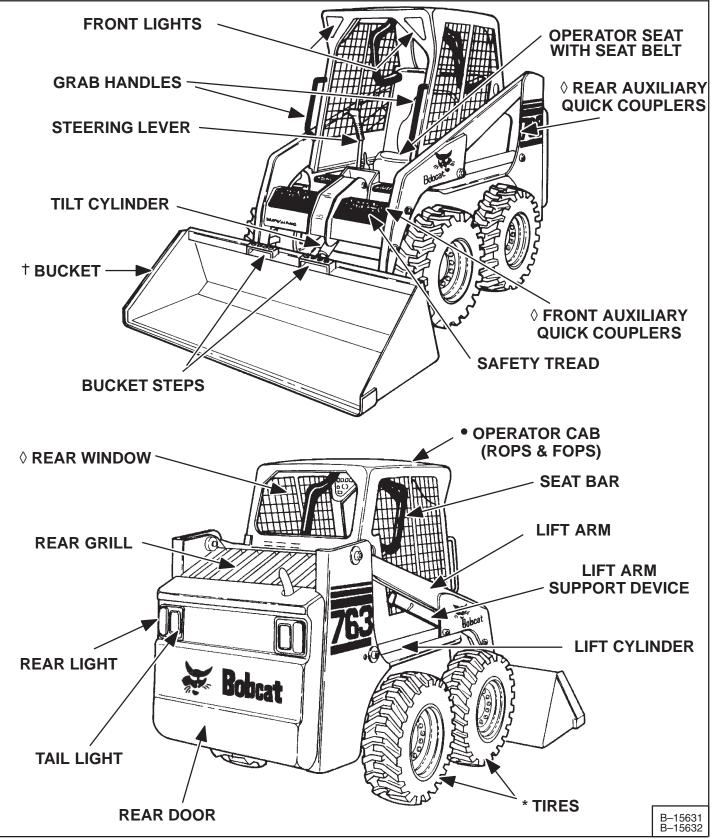
DELIVERY REPORT

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]**.

С	DELIVERY REPORT
	WARNING

763, 763H Bobcat Loader Operation & Maintenance Manual

BOBCAT LOADER IDENTIFICATION



- OPTIONAL OR FIELD ACCESSORY (Not Standard Equipment)
 TIRES Flotation tires (optional) are shown. The Bobcat loader is factory equipped with standard tires.
 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 II is available. The Bobcat loader is one performed with a standard tires. loader is base-equipped with a standard operator cab as shown. Extra insulated cab is available as an option (Reduced noise level).

FEATURES AND ACCESSORIES

Model 753, 763 Bobcat loaders are equipped with the following standard items:

Adjustable Cushion Seat Automatically Activated Glow Plugs Auxiliary Hydraulics: Variable Flow / Maximum Flow Bob-Tach Bobcat Interlock Control System (BICSTM) Dual Path Cooling System Engine/Hydraulic System Shutdown Instrumentation: Hourmeter Engine Temperature and Fuel Gauges and Warning Lights Lift Arm Support Device Lights, Front and Rear Operator Cab (with ROPS & FOPS Approval) Parking Brake Seat Bar Seat Belt Spark Arrestor Exhaust System Tires 753 - (7.00 - 15, 6 Ply Rating) 763 - (10-16.5, Bobcat Heavy Duty, 8 Ply Rating)

Below is a list of some equipment available from your Bobcat Loader dealer as Dealer and / or Factory Installed Accessories and Factory Installed Options. See your Bobcat dealer for other available options, accessories and attachments.

Accessory Wire Harness Advanced Control System (ACS) (Selectable Foot Pedal or Hand Control) Advanced Hand Controls Attachment Control Device (ACD) Back-up Alarm Catalytic Exhaust Purifier Cab Enclosure Kit Cab Enclosure (Vinyl) Counterweight Kit Cover Kit (Pedal / Footrest Area) Deluxe Cab Kit (Standard on Later Models) Deluxe Sound Cab Deluxe Suspension Seat Deluxe Instrumentation (With Keyless Start) Dual Attachment Control Kit **Engine Heater** Fire Extinguisher FOPS Kit (Level II) Front Door Kit Heater Kit Horn Hydraulic Bucket Positioning (Includes On/Off Selection)

Specifications subject to change without notice

Lift Kit(s) Locking Fuel Cap Radiator Screen Kit **Rear Auxiliary Hydraulics** Rear Window Wiper Side Window Kit Seat Belt with 3-Point Restraint Seat Belt – 3 inch Wide Special Applications Kit Tailgate Lock Tires Ultra Grip Tread Flotation Solid Top and Rear Cab Windows Warning Lights Four–Way Flasher (Includes Direction Signals) Rotating Beacon Strobe Light Weighlog Kit



SAFETY

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SAFETY



SAFETY INSTRUCTIONS FOR BOBCAT SKID–STEER LOADERS AND ATTACHMENTS

SAFE OPERATION IS THE OPERATOR'S RESPONSIBILITY

Carefully follow the operating and maintenance instructions in this manual.

The Bobcat skid-steer loader is highly maneuverable and compact. It is rugged and useful under a wide variety conditions. This presents an operator with hazards associated with off highway, rough terrain applications, common with Bobcat loader usage.

The Bobcat loader has an internal combustion engine with resultant heat and exhaust. All exhaust gases can kill or cause illness so use the loader with adequate ventilation. The loader has a spark arrestor exhaust system or miler which is required for operation in certain areas.

The dealer explains the capabilities and restrictions of the Bobcat loader and attachments for each application. The dealer demonstrates the safe operation according to Bobcat instructional materials, which are alsovailable to operators. The dealer can also identify unsafe modifications or use of unapproved attachments. The attachments and buckets are designed for a Rated Operating Capacity (some have restricted lift heights) and secure fastening to the Bobcat loadeThe user must check with the dealer, or Bobcat literature, to determine safe loads of materials of specified densities for the loader–attachment combination.

The following publications and training materials provide information on the safe use and maintenance of the Bobcat loader and attachments:

- The Delivery Report is used to assure that complete instructions have been given to the new owner and that the Bobcat loader and attachment is in safe operating condition.
- The Operation & Maintenance Manual delivered with the Bobcat loader or attachment gives operating information as well
 as routine maintenance and service procedures. It is a part of the machine and can be stored in a container provided
 inside the cab of the loader. Replacement Operation & Maintenance Manuals can be ordered from your Bobcat dealer.
- Machine signs (decals) instruct on the safe operation and care of your Bobcat loader or attachment. The signs and their locations are shown in the Operation & Maintenance Manual. Replacement signs are available from your Bobcat dealer.
- An Operator's Handbook is fastened to the operator cab of the loader Its brief instructions are convenient to the operator. The Handbook is available from your dealer in an English edition or one of many other languages. See your Bobcat dealer for more information on translated versions.
- The Safety Manual delivered with the Bobcat loader gives general safety information.
- Operator Training Courses are available from your local Bobcat dealer . They provide information for safe and efficient operation of the Bobcat loader and some attachments. The courses are available in English and Spanish versions.
- Service Safety Training Courses are available from your Bobcat dealer . They provide information for safe and correct service procedures.
- See the ADDITIONAL PUBLICATIONS Page in this manual or your Bobcat dealer for Service and Parts Manuals, printed materials, videos, or training courses available. Also check the Bobcat web site **www.bobcat.com**

The dealer and owner/operator review the recommended uses of the product when delivered. If the owner/operator will be using the machine for a different application(s) he must ask the dealer for recommendations on the new use.



Call Before You Dig 1–888–258–0808

When you call, you will be directed to a location in your state/ city for information about buried lines (telephone, cable TV, water, sewer, gas, etc.)

SI01-0402

BEFORE OPERATING THE BOBCAT LOADER

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 loader 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 this Manual.

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 MovingVehicle (SMV) emblem. Regulations may identify a hazard such as a utility line.

• HAVE TRAINING WITH ACTUAL OPERATION

AWARNING

Operator must have instructions before operating the machine. Untrained operators can cause injury or death. W-2001-0502

IMPORTANT

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



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

- 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.
- Operator Training Courses are available from your Bobcat dealer in English and Spanish. They provide information for safe and efficient equipment operation. 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 LFREE 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 woßee your dealer about Bobcat 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.

SI02-0502

FIRE PREVENTION

The machines and some attachments have components that are at high temperatures under normal operating conditions. The primary source of high temperatures is the engine and exhaust system. The electrical system, if damaged or incorrectly maintained, can be a source of arcs or sparks.

Flammable debris (leaves, straw, etc.) must be removed regularly If flammable debris is allowed to accumulate, it can cause a fire hazard. Clean often to avoid this accumulation. Flammable debris in the engine compartment is a potential fire hazard.

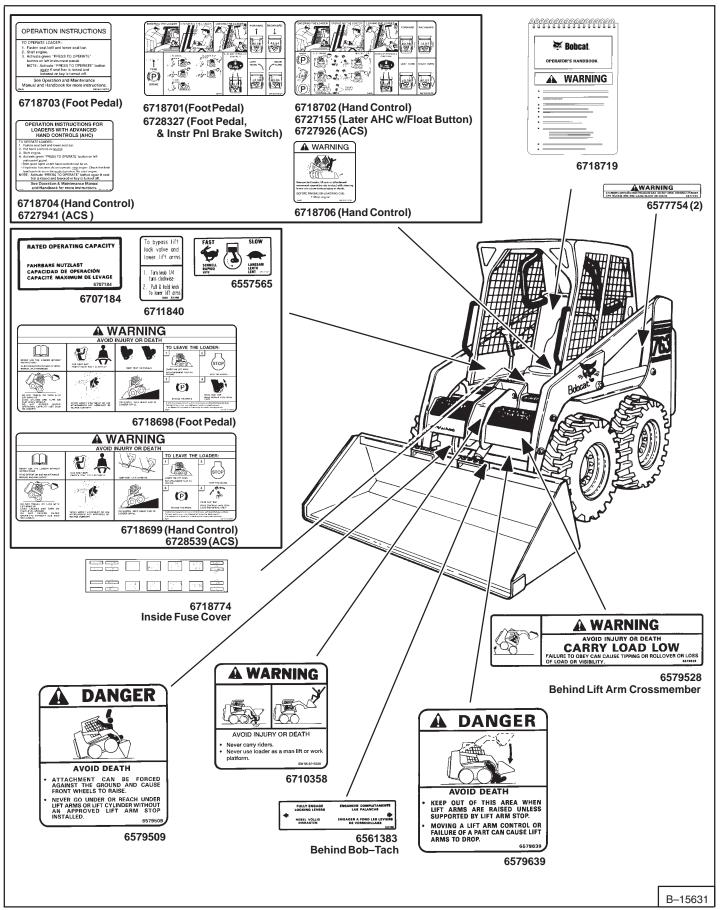
The spark arrestor exhaust system (if equipped) is designed to control the emission of hot particles from the engine and exhaust system, but the muffler and the exhaust gases are still hot.

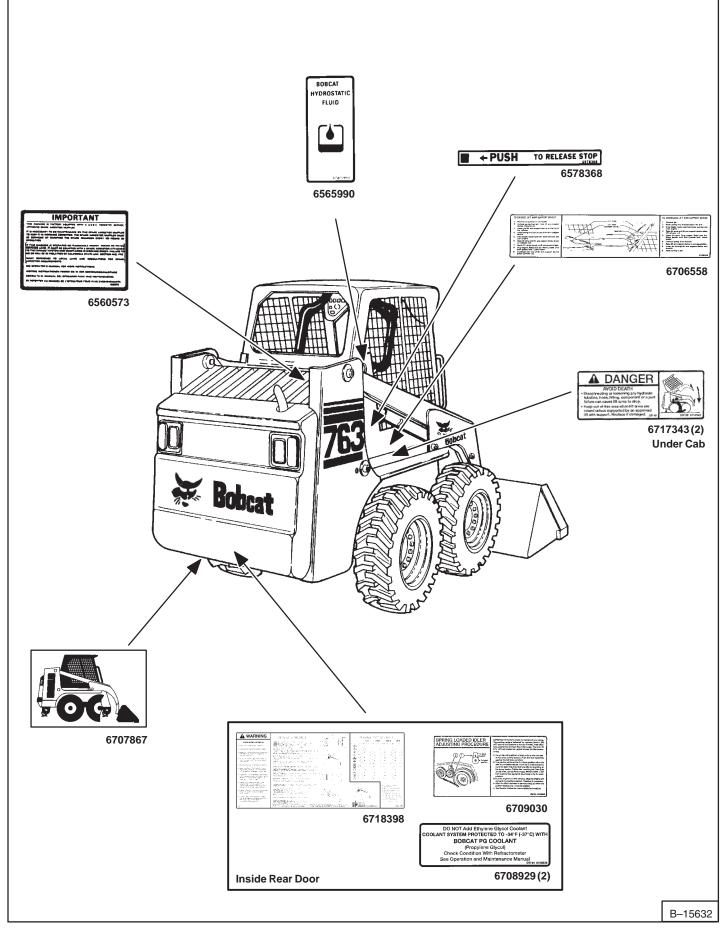
- Do not use the machine where exhaust, arcs, sparks or hot components can contact flammable material, explosive dust or gases.
- The operator cab, engine compartment and engine cooling system must be inspected every day and cleaned if necessary to prevent fire hazards and overheating.
- Check all electrical wiring and connections for damage. Keep the battery terminals clean and tight. Repair or replace any damaged part.
- Check fuel and hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check
 for leaks. Tighten or replace any parts that show leakage. Always clean fluid spills. Do not use gasoline or diesel fuel for
 cleaning parts. Use commercial nonflammable solvents.
- Do not use ether or starting fluids on any engine which has glow plugs. These starting aids can cause explosion and injure you or bystanders.
- Always clean the machine, disconnect the battery, and disconnect the wiring from the electronic controllers before welding. Cover rubber hoses, battery and all other flammable parts. Keep a fire extinguisher near the machine when welding. Have good ventilation when grinding or welding painted parts. Wear dust mask when grinding painted parts. Toxic dust or gas can be produced.
- Stop the engine and let it cool before adding fuel. No smoking!
- Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting.
- Use the procedure in the Operation & Maintenance Manual for cleaning the spark arrestor muffler (if equipped).
- Know where fire extinguishers and first aid kits are located and how use them. Fire extinguishers are available from your Bobcat dealer.



MACHINE SIGNS (DECALS)

Follow the instructions on all the Machine Signs (Decals) that are on the loadeReplace any damaged machine signs and be sure they are in the correct locations. Machine signs are available from your Bobcat loader dealer.







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