



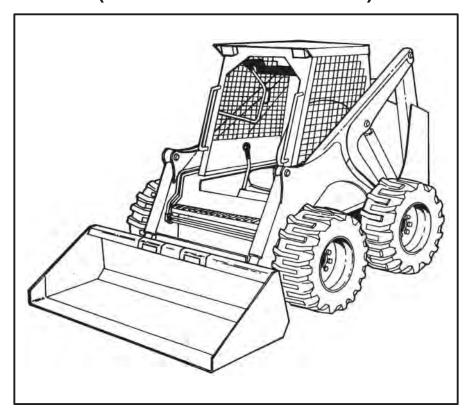






Service Manual

(S/N 514114999 & Below) (S/N 514212999 & Below)



6724280 (7-10)

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MAINTENANCE SAFETY

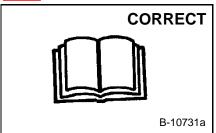


Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

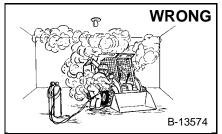
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A

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



Never service the Bobcat Skid-Steer Loader without instructions.



Have good ventilation when welding or grinding painted parts.

Wear dust mask when grinding painted parts. Toxic dust and gas can be produced.

Avoid exhaust fume leaks which can kill without warning. Exhaust system must be tightly sealed.



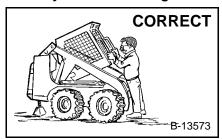
A Stop, cool and clean engine of flammable materials before checking fluids.

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

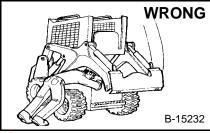
Avoid contact with leaking hydraulic fluid or diesel fuel under pressure. It can penetrate the skin or eyes.

the skin or eyes.

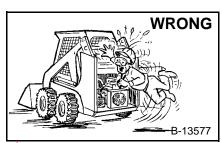
Never fill fuel tank with engine running, while smoking or when near open flame.



Use the correct procedure to lift or lower operator cab.



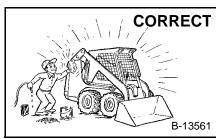
Disconnecting or loosening any hydraulic tubeline, hose, fitting, component or a part failure can cause lift arms to drop. Do not go under lift arms when raised unless supported by an approved lift arm support device. Replace it if damaged.



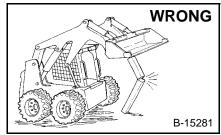
Keep body, jewelry and clothing away from moving parts, electrical contact, hot parts and exhaust.

war eye protection to guard from battery acid, compressed springs, fluids under pressure and flying debris when engines are running or tools are used. Use eye protection approved for type of welding.

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



Cleaning and maintenance are required daily.



Never work on loader with lift arms up unless lift arms are held by an approved lift arm support device. Replace if damaged.

Never modify equipment or add attachments not approved by Bobcat Company.



Lead-acid batteries produce flammable and explosive gases.

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

Batteries contain acid which burns eyes or skin on contact. Wear protective clothing. If acid contacts body, flush well with water. For eye contact flush well and get immediate medical attention.

Maintenance procedures which are given in the Operation & Maintenance Manual can be performed by the owner/operator without any specific technical training. Maintenance procedures which are **not** in the Operation & Maintenance Manual must be performed **ONLY BY QUALIFIED BOBCAT SERVICE PERSONNEL. Always use genuine Bobcat replacement parts.** The Service Safety Training Course is available from your Bobcat dealer.



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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.

PREVENTIVE MAINTENANCE

HYDRAULIC SYSTEM

HYDROSTATIC SYSTEM

DRIVE SYSTEM

MAIN FRAME

ELECTRICAL SYSTEM

ENGINE SERVICE

SYSTEM ANALYSIS

SPECIFICATIONS

FOREWORD

This manual is for the Bobcat loader mechanic. It provides necessary servicing and adjustment procedures for the Bobcat loader and its component parts and systems. Refer to the Operation & Maintenance Manual for operating instructions, starting procedure, daily checks, etc.

A general inspection of the following items must be made after the loader has had service or repair:

 Check that the ROPS/FOPS (Including sidescreens) is in good condition and is not modified.



9. Enclosure door latches must open and close freely.



2. Check that ROPS mounting hardware is tightened and is Bobcat approved.



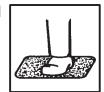
 Bob-Tach wedges and linkages must function correctly and be in good condition.



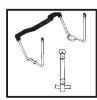
3. The seat belt must be correctly installed, functional and in good condition.



11. Safety treads must in good condition.



4. The seat bar and pedal interlocks must be correctly adjusted, clean and lubricated.



12. Check for correct function of indicator lamps (Optional on some models).



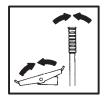
5. Machine signs must be legible and in the correct location.



 Check hydraulic fluid level, engine oil level and fuel supply.



6. Steering levers and foot pedals must return to neutral.



14. Inspect for fuel, oil or hydraulic fluid leaks.



7. Check for correct funtion of the work lights.



15. Lubricate the loader.



8. The parking brake must function correctly.



16. Check the condition of the battery and cables.



17. Inspect the air cleaner for damage or leaks. Check the condition of the element.



18. Check the electrical charging system.



19. Check tires for wear and pressure.



20. Inspect for loose or broken parts or connections.



21. Operate the loader and check all functions.



22. Check for any field modification not completed.



23. Check for correct function of the Bobcat Interlock Control System (BICS™) before the machine is returned to the customer.



Recommend to the owner that all necessary corrections be made before the machine is returned to service.





A WARNING

Instructions are necessary before operating or servicing machine. Read Operation & Maintenance Manual, Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Failure to follow instructions can cause injury or death.

W-2003-1289

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

- The Delivery Report is used to assure that complete instructions have been given to the new owner and that the machine is in safe operating condition.
- The Operation & Maintenance Manual delivered with the loader gives operating information as well as routine maintenance and service procedures. It is a part of the loader and must stay with the machine when it is sold. Replacement Operation & Maintenance Manuals can be ordered from your Bobcat loader dealer.
- The loader has machine signs (decals) which instruct on the safe operation and care. The signs and their locations are shown in the Operation & Maintenance Manual. Replacement signs are available from your Bobcat loader dealer.
- The loader has a plastic Operator's Handbook fastened to the operator cab. Its brief instructions are convenient to the operator. The handbook is available from your dealer in an English edition or one of the following languages: French, German, Italian, Dutch, Spanish, Portuguése, Finnish, Danish & Swedish.
- The EMI Safety Manual (available in Spanish) delivered with the loader gives general safety information.
- The Service Manual and Parts Manual are available from your dealer for use by mechanics to do shop-type service and repair work.
- The Skid-Steer Loader Operator Training Course is available through your local dealer. This course is intended to provide rules and practices for correct operation of the Bobcat loader. The course is available in English and Spanish versions.







Safety Alert Symbol: This Safety Symbol is used for important safety messages. When you see this symbol follow the safety message to avoid personal injury or death.

SAFETY INSTRUCTIONS (Cont'd)

- Wear tight fitting clothing. Always wear safety glasses when maintaining or servicing loader. Safety glasses, hearing
 protection or loader special applications kit are required for some work. See your dealer for Bobcat Safety equipment.
- Know where fire extinguishers and first aid kits are located and how to use them.
- Do not use the Bobcat loader where exhaust, arcs, sparks or hot components can contact flammable material, explosive dust or gases.
- The engine compartment and engine cooling system must be inspected every day and cleaned if necessary to prevent fire hazard 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.
- Follow any environmental safety regulations when disposing of used fluids such as engine oil, grease or anti-freeze.
- Do not use ether or starting fluids on this engine. It has glow plugs. These starting aids can cause explosion and injure you or bystanders.
- Always clean the loader and disconnect the battery before doing any welding. Cover rubber hoses, battery and all other flammable parts. Keep a fire extinguisher near the loader 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 or Service Manuals for connecting the battery.

A fire extinguisher is available from your local dealer. The fire extinguisher can be installed in the location shown [A].



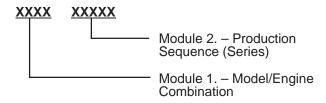
SERIAL NUMBER LOCATIONS

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 outside of the loader frame [A].

Explanation of loader Serial Number:

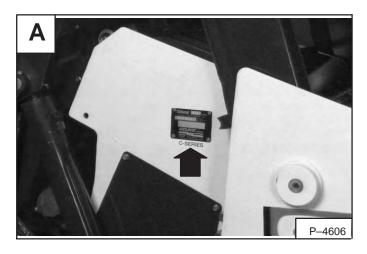


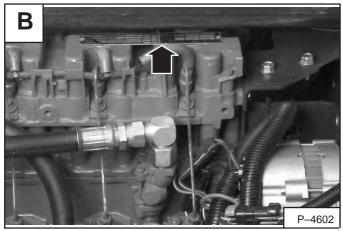
The four digit Model/Engine Combination module number identifies the model number and engine combination. This number (in parenthesis beside the model number) is used in the Service Manual to more easily identify the standard, optional and field accessory equipment included or available for each specific model.

The five digit Production Sequence Number identifies the order which the loader is produced.

ENGINE SERIAL NUMBER

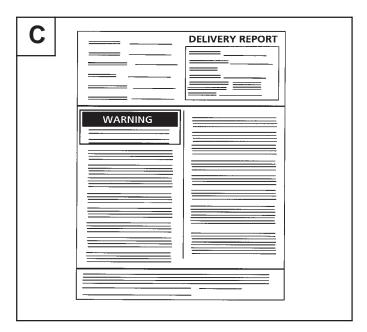
The serial number is located on the valve cover at the right side of the engine [B].



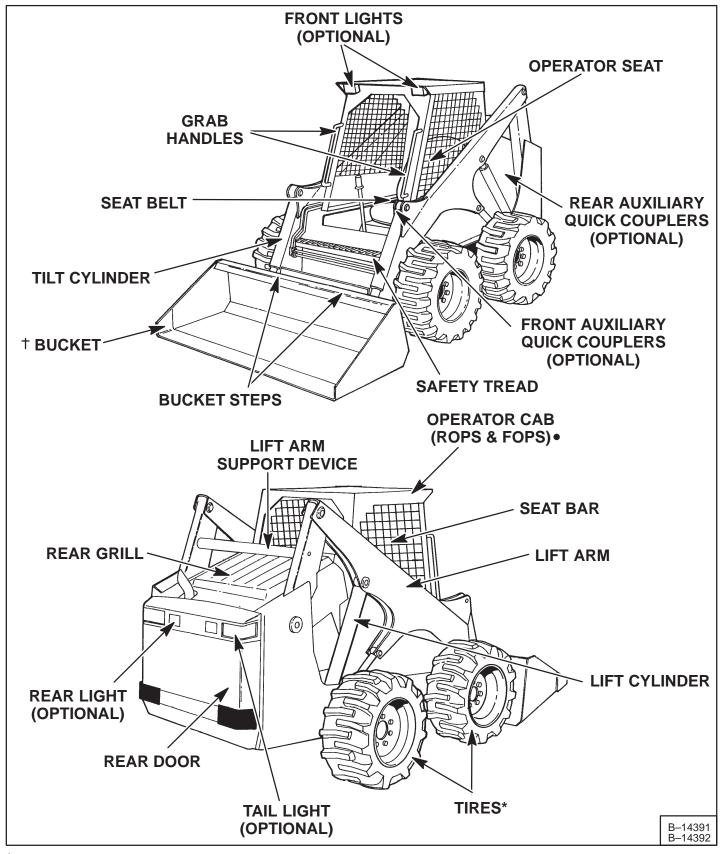


DELIVERY REPORT

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]**.



BOBCAT LOADER IDENTIFICATION



^{*} TIRES – Flotation tires are shown. Optional tires are available.

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

ROPS, FOPS – Roll Over Protective Structure, per SAE J1040 and ISO 3471 and Falling Object Protective Structure per SAE J1043 and ISO 3449 Level I. Level II FOPS is available for protection from heavy falling objects. 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

All 873 Bobcat loaders are equipped with the following standard items:

Bob-Tach Seat Belt Servo Assist Steering Seat Bar Spark Arrestor Exhaust System

Parking Brake
Gauges/Warning Lights
Bobcat Interlock Control System (BICS™) Lift Arm Support Device
Operator Cab (W/ROPS & FOPS Approval

Adjustable Cushion Seat Push Button Activated Glow Plug

Below is a listing of the optional equipment which is available through your Bobcat loader dealer.

	<u>873</u>
Tires 12–16.5, 10 PR Bobcat Heavy Duty Flotation 8.25–15, 6 PR 12.00–16.5, Segmented 12.00–16.5, 6 PR Flotation 8.00–16 Solid 10.00–33 Solid 31–15.5 x 18, 8 PR Terra Grip Flotation	Std. Opt. Opt. Opt. Opt. Opt. Opt. Opt. Opt
Operator Cab Sound Cab (85 dBa) Deluxe Cab Suspension Seat Operating Lights (Front & Rear) Horn Backup Alarm Heated Enclosed Cab Top Window Rear Window Cab Enclosure Panels Vinyl Cab Enclosure Cover Kit (Pedals Area) Cover Kit (Hydraulic Reservoir Area) Fire Extinguisher Flasher Lights Strobe or Rotating Beacon Light 3" Seat Belt Special Applications Kit (Includes Front Door, Top & Rear Windows)	Opt. (Std. in Europe) Opt. Opt. & FA (Std. in Europe) Opt. & FA (Std. in Europe) FA Opt. & FA Opt. & FA Opt. & FA Opt. & FA (Std. in Europe) Opt. & FA (Std. in Europe) FA
Hydraulics Front Auxiliary Hydraulics Rear Auxiliary Hydraulics Hydraulic Bucket Positioning (Includes On/Off Switch)	Opt. & FA Opt. & FA Opt. & FA
Other Counterweight Kit (2400 ROC) Single Point Lift Locking Fuel Cap Rear Door Bumpers Tailgate Lock Tool Box	Opt. & FA FA FA FA FA FA

<u>Instrumentation</u>

Std. Opt.

Std. = Standard Equipment Opt. = Factory Installed Option FA = Field Accessory

Specifications subject to change without notice.

Dear

Thanks very much for your visiting and patience.

Want to get more information,

Please click here, Go back to the page.

After your payment, you will have instant access to your download.

The Download Link will also be sent to your e-mail.

You will get the complete manual

Have any questions please write to me

admin@servicemanualperfect.com