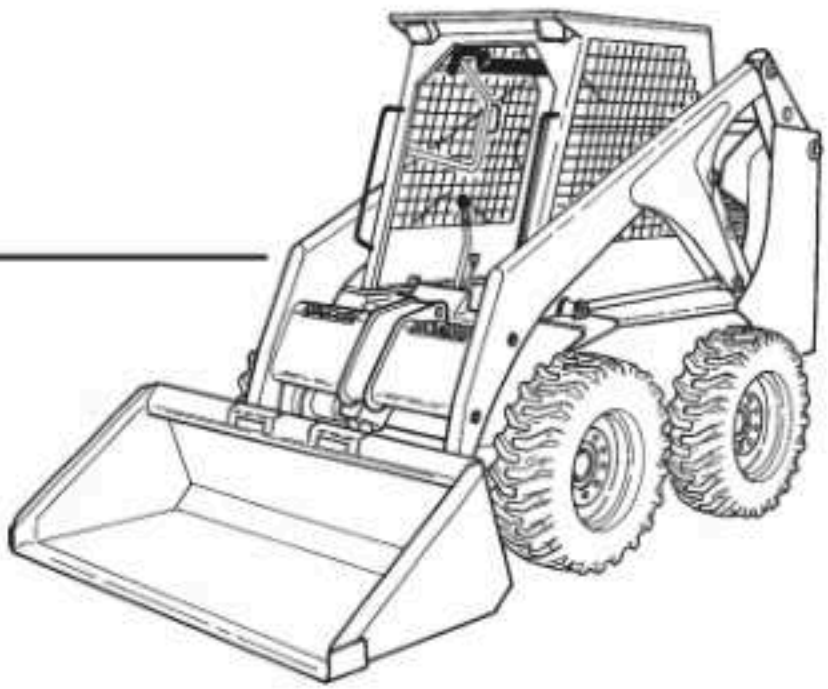
7753

Bobcat®

Operation & Maintenance Manual



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6722920 (5–96) Revised (10–00)

IR Bobcat
Printed in U.S.A.

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REFERENCE INFORMATION

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

Loader Serial Number ..... _____
Engine Serial Number ..... _____
_____
_____
_____

NOTES: _____
_____
_____
_____
_____
_____

YOUR LOADER DEALER: _____
ADDRESS: _____
PHONE: _____

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HYDRAULIC CONTROLS (Cont'd)

Auxiliary Hydraulics Operation (S/N 14348 & Above)

NOTE: Loaders starting at (S/N 30001) may be equipped as a standard or BOSS option machine. On loaders without a front and/or rear auxiliary option, the steering lever control handles will be blank (no switches).

Press the mode switch (Item 1)**[A]** or **[B]** (on the instrument panel) to allow for the front and rear auxiliary hydraulics, the light (Item 2)**[A]** or **[B]** will come ON.

The switch (Item 1)**[C]** on the right steering lever controls the front auxiliary hydraulics and the switch (Item 2)**[C]** on the left steering lever controls the rear auxiliary hydraulics.

Switch (Item 4)**[C]** controls the optional horn.

FRONT AUXILIARY CONTROL (OPTIONAL):

Push switch (Item 1) **[C]** in the right or left direction (with mode switch engaged & top light ON) to change fluid flow direction to the front quick couplers **[D]** (Example: Open and close grapple teeth).

REAR AUXILIARY CONTROL (OPTIONAL):

Push the switch (Item 2) **[C]** in the right or left direction (with mode switch engaged & top light ON) to change the fluid flow direction to the rear quick couplers **[D]** (Example: Raise or lower rear stabilizers).

DETENT CONTROL:

Push the mode switch (Item 1) **[A]** or **[B]** the second time to engage the *detent* function and both lights (Items 2 & 3) **[A]** or **[B]** will come ON. Push the front button (Item 3) **[C]** to give the front auxiliary hydraulics a constant flow of fluid (Example: Operate a backhoe).

To release the *detent* position, push the switch (Item 3) **[C]** again.

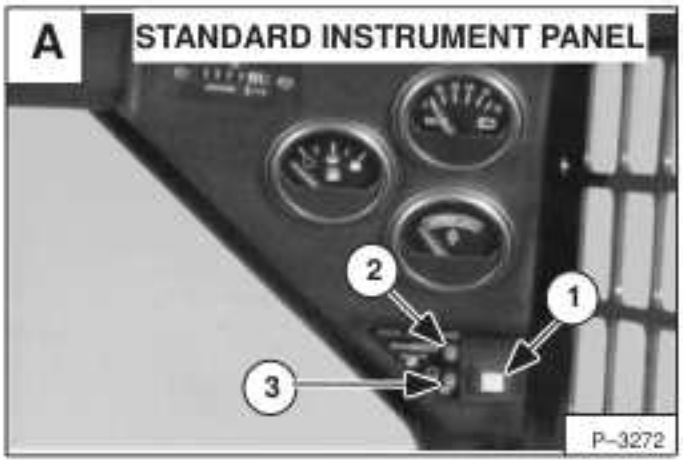
RELIEVE PRESSURE AT FRONT QUICK COUPLERS:

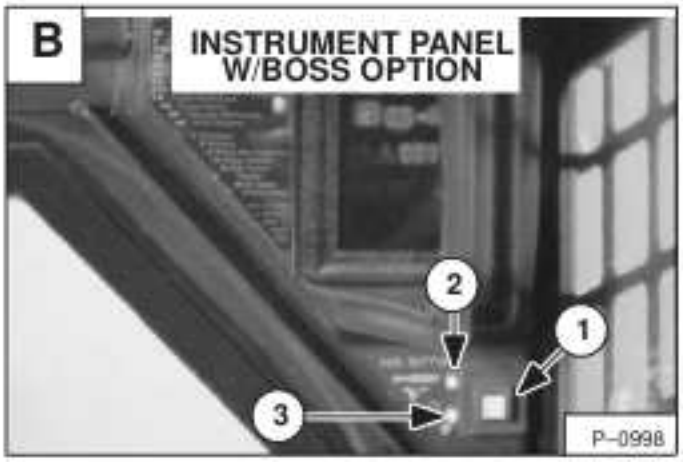
Turn the key switch to the OFF position, as the engine stops running, turn the key switch all the way to the left (hold the key in this position until the engine stops) to release the hydraulic pressure at the front quick couplers.

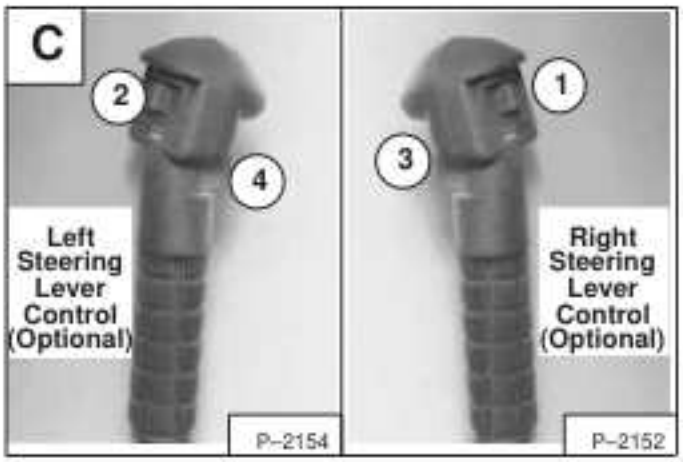
RELIEVE PRESSURE AT REAR QUICK COUPLERS:

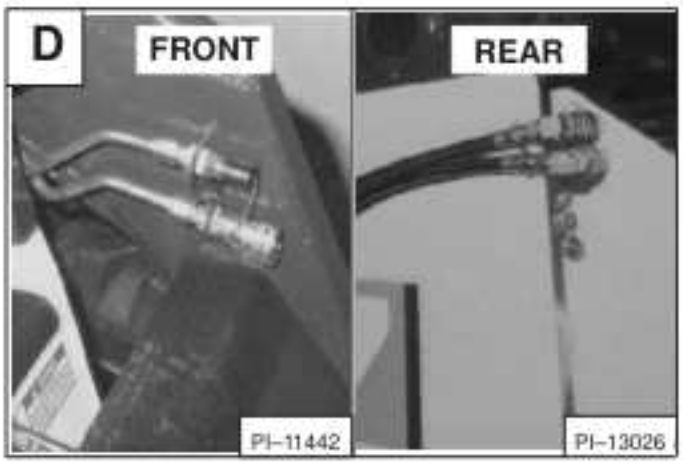
With the engine running, press the mode switch (Item 1) **[A]** or **[B]** to engage the auxiliary hydraulics, the light (Item 2) **[A]** or **[B]** will come ON.

Push the heel of the tilt pedal so the hydraulic fluid goes over the main relief pressure and at the same time push switch (Item 2) **[C]** to relieve the pressure at the rear quick couplers. Release the tilt pedals. Stop the engine.









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ATTACHMENT AND BUCKETS

⚠ WARNING

Never use attachments or buckets which are not approved by Bobcat Company. Buckets and attachments for safe loads of specified densities are approved for each model. Unapproved attachments can cause injury or death.

W–2052–1285

The dealer can identify, for each model loader, the attachments and buckets approved by Bobcat Company. The buckets and attachments are approved for Rated Operating Capacity and for secure fastening to the Bob–Tach.

The rated Operating Capacity for this loader is shown on a label in the operator cab. (See the *Specifications*, Page 71.) It is determined by using a standard dirt bucket, and material of normal density, such as dirt or dry gravel. If longer buckets are used and load center moves forward and reduces the Rated Operating Capacity. If very dense material is loaded, the volume must be reduced.

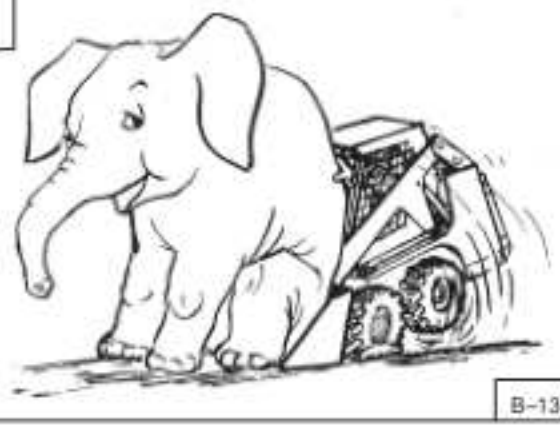
Exceeding the Rated Operating Capacity can cause the following problems:

1. Steering the loader may be difficult.
2. Tires may wear faster.
3. There will be a loss of stability.
4. The life of the Bobcat loader will be reduced.

Use the correct size bucket for the type and density of material being handled. For safe handling of materials and avoiding machine damage, the attachment (or bucket) should handle a full load without going over the Rated Operating Capacity for the loader. Partial loads make steering more difficult.

Maximum loads to be carried when using a pallet fork are shown in figure **[B]**.

A



B–13556

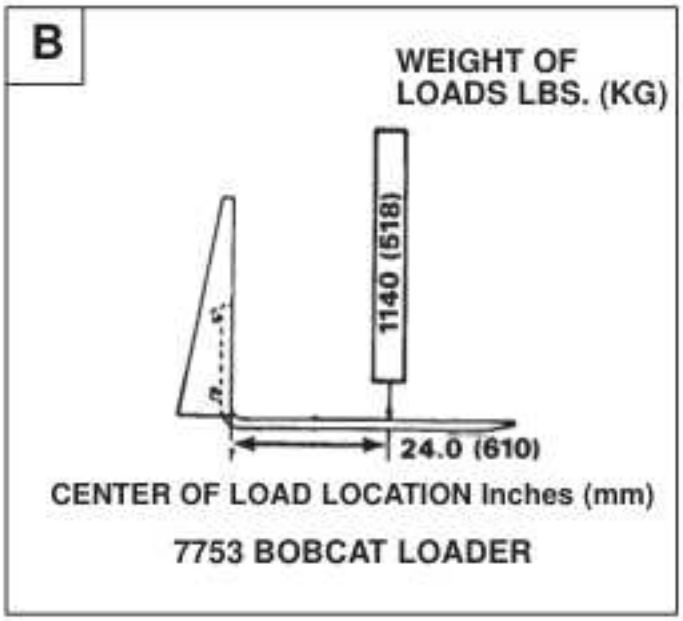
⚠ WARNING

AVOID INJURY OR DEATH

Do not exceed rated operating capacity. Excessive load can cause tipping or loss of control.

W–2053–0887

B



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SERVICE SCHEDULE

Maintenance work must be done at regular intervals. Failure to do so will result in excessive wear and early failures. The service schedule is a guide for correct maintenance of the Bobcat loader.

⚠ 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–2003–0797

SERVICE SCHEDULE		HOURS				
ITEM	**SERVICE REQUIRED**	8–10	50	100	250	■ 1000
Engine Oil	Check the oil level and add oil as needed.					
Air Cleaner	Check display or condition indicator. Service only when required.					
Engine Cooling System	Clean debris from oil cooler, radiator & grill. Check coolant level cold in recovery tank. Add 50/50 ethylene glycol & water as needed.					
Lift Arms, Cyl., Bob–Tach Pivot Pins and Wedges	Lubricate with multi–purpose lithium based grease (18 places).					
Engine Air System	Check for leaks & damaged components.					
Tires	Check for damaged tires and correct air pressure.					
Seat Belt, Seat Bar & Pedal Interlocks	Check the condition of seat belt. Check the seat bar & pedal inter–locks for correct operation. Clean dirt and debris from moving parts.					
Safety Signs and Safety Tread	Check for damaged signs (decals) and safety tread. Replace any signs or safety treads that are damaged or worn.					
Operator Cab	Check the fastening bolts, washers & nuts. Check the condition of cab.					
Fuel Filter	Remove the trapped water.					
Hyd. Fluid, Hoses & Tubelines	Check fluid level & add as needed. Check for damaged & leaks Repair & replace as needed.					
Final Drive Trans. (Chaincase)	Check oil level.					
Battery	Check cables & electrolyte level.					
Control Pedals & Steering	Check for correct operation. Repair or adjust as needed.					
Wheel Nuts	☐ Check for loose wheel nuts & tighten to 105–115 ft.–lbs. (142–156 Nm) torque.					
Parking Brake	Check operations & adjust as needed.					
Alternator Belt	Check tension & adjust as needed.					
Engine Oil & Filter	Replace oil & filter.					
Spark Arrestor Muffler	Clean the spark chamber.					
Fuel Filter	Replace filter element.					
Engine/Hydro. Drive Belt	* Check for wear or damage. Make adjustment as needed.					
Steering Shaft	Grease two fittings.					
Hyd./Hydro. Filter	• Replace the filter element.					
Hyd. Reservoir Breather Cap	Replace the reservoir breather cap.					
Fan Drive Gearbox	Check gear lube level.					
Final Drive Trans.	Replace the oil in the chaincase.					
Hyd. Reservoir	Replace the fluid.					
Lift Control System	Check lift arm by–pass control.					
Case Drain Filters	Replace filters.					

☐ **Check wheel nut torque every 8 hours for the first 24 hours.**
• **Also replace hydraulic/hydrostatic filter element when the transmission warning light comes ON.**
■ **Or every 12 months.**
* **Inspect the new belt after first 50 hours.**

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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.

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

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.

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

- **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.
  - 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 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.

SI02–0400

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