

Loader Walk Around

- Make sure the hydraulic controls are in NEUTRAL
- Exit
- Always lower the lift arms and stop the engine before you leave the operator's seat.

Radio Remote Control System Walk Around

1. Loader Radio Remote Control System

During this part of the course your instructor will discuss what the Loader Radio Remote Control System is, the various components that the system consists of and what the approved uses and attachments are.

The Loader Radio Remote Control System allows you to operate a Bobcat® loader from a remote location outside of the loader's operator cab. The Loader Radio Remote Control System consists of five main parts:

- Loader
- Transmitter
- Receiver
- Control Mode Selector / E-Stop Box
- Battery and Charger

2. Loader Radio Remote Control Operation, Maintenance & Parts Manual

- The Loader Radio Remote Control Operation, Maintenance & Parts Manual is a valuable source of information. Every operator, new and experienced alike, should read this manual entirely.
- There are two manuals with the kit. One manual is cabled to the Transmitter and stored in a pouch under the Transmitter.

3. Safety Signs and Remote Ready Identification Tag

- The decals are a constant reminder to use caution when warranted, and to practice safe operating techniques. Decal descriptions are provided in the manual.
- The tag is to be attached to the loader so it is visible from the front (for example on one of the cab grab handles or on the seat bar) to indicate that the loader is equipped with a Radio Remote Control Kit.
- This tag indicates that the loader can be started and operated without an operator seated on the loader. Stay away from loader and attachment when started and in use. **Keep bystanders away when operating.**



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4. Approved Uses and Applications

- Operation of the loader with the Radio Remote Control System is **not** approved for use in certain areas requiring additional safeguards against fire hazards as defined by the National Fire Protection Association Standard NFPA-505 (also ANSI B56.2) or by OSHA as defined in the Code of Federal Regulations 29 CFR 1910.178. Never operate in explosive environments or in applications where extremely high temperatures could damage the loader.

NOTE: *Check with the **AUTHORITY HAVING JURISDICTION** to determine if additional safeguards against fire hazards are necessary. Refer to the Radio Remote Control Operation, Maintenance & Parts Manual for more information.*

- Never operate the loader where extremely high temperatures could damage the machine or where hot exhaust can contact flammable material.
- Do not operate near areas such as blasting zones or medical facilities where the use of cellular phones or radio frequency devices are prohibited.

5. Approved Attachments

The Loader Radio Remote Control System should only be used with approved attachments.

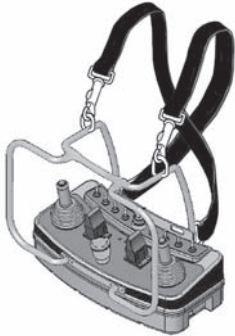
- The Radio Remote Control System for Bobcat® loaders is approved as manufactured with only specified Bobcat® approved attachments.
- A list of attachments approved for use with the Loader Radio Remote Control System is in the Operation, Maintenance & Parts Manual. See your Bobcat dealer for approved attachments for your loader model.

6. Loader

The loader is the main element of the Bobcat® Loader Radio Remote Control System.

- Only Bobcat® skid-steer loaders or compact track loaders with Selectable Joystick Controls (SJC), and all models of Bobcat® All-Wheel Steer (AWS) loaders can be used with the Radio Remote Control Kit.
- It's important to operate the loader properly, including to always maintain visual contact with the loader and with the loader's path of travel.
- Understand what is meant by **Reverse Machine Orientation**. If the front of the loader is facing away from you, moving the joystick forward will cause the loader to move away from you. But if the loader is reversed and the front of the machine is facing you, moving the joystick forward will cause the loader to move closer to you.

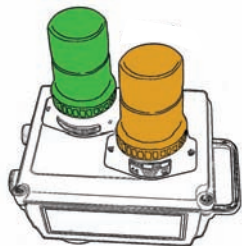
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7. Transmitter

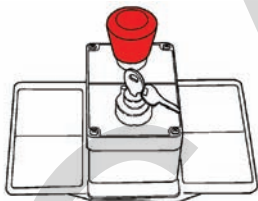
- The Transmitter is worn by the operator and controls the traction drive, lift, tilt and auxiliary hydraulic functions of the loader as well as audible horns from the receiver.
- It is fixed to the operator using adjustable straps.
- The Transmitter is equipped with a guard bar to protect the controls from being bumped causing accidental movement of the loader. **Never modify or remove the guard bar.**
- If the Transmitter is tilted more than 45 degrees in any direction it will stop transmitting and stop the engine.
- The Transmitter has a red E-stop button, that when pushed down will immediately stop the loader's engine.

8. Receiver



- The Receiver has a magnetic base and is installed on the top of the cab.
- It connects to the loader wiring harness to control the loader functions and receives the operation signals from the Transmitter.
- The Receiver has audible horns that can be sounded by the operator using a button on the left-hand joystick of the Transmitter. The horns will also beep automatically for **five seconds before the engine starts.**
- The Receiver has green and amber strobe lights mounted to the top of it. The green strobe will flash indicating that the loader ignition power is on. When the amber strobe is flashing, it indicates that the **Press To Operate Loader** Switch has been activated and lift, tilt and travel functions are operational.

9. Control Mode Selector / E-Stop Box



- The Control Mode Selector / E-Stop box has a magnetic base and is mounted on the rear of the loader.
- It connects to the Receiver and has a key switch that allows the operator to select between **REMOTE** control or **MACHINE / DIRECT** operation of the loader.
- The Control Mode Selector / E-Stop box has a red E-Stop button that when pushed down will immediately stop the loader engine.

10. Battery and Charger

- The Transmitter is powered by a 9.6 volt DC battery and is charged with a DC battery charger.
- Approximate battery life is 15 hours.
- The battery can be fully recharged in approximately two hours.
- It's important to keep the battery charged. If the Transmitter battery fully discharges, the loader's engine will stop and all functions will stop.