FORM NO. 42895

TORO®

MODEL NO. 41036 & 41030

OPERATOR'S INSTRUCTIONS

# SONIC BOOM

Keep this Operators Manual, the Vehicle Operators Manual, the Engine Manual and all other Accessory Manuals in the plastic tube behind the operator seat.

It is very important that all persons operating this equipment have easy access to these instructions and safety information at all times!

The installation of accessories on the TORO Vehicle other than those designed and sold for that express purpose by TORO, may adversely affect the performance and safety characteristics of the Vehicle.

## RECOGNIZE SAFETY INFORMATION



This safety-alert symbol is used to call attention to a dangerous situation, which could result in serious injury or death to the operator, a passenger or a bystander.

Follow recommended precautions and safe operating practices.

It is important to always replace any lost or damaged safety-alert and informational decals on the vehicle and accessories immediately.

## INSTALLING AND USING ATTACHMENTS:

Always read the operating instructions that are included with the accessories BEFORE actually operating the unit. Carefully read and follow any "set-up" instructions that are given.

The addition of accessories, with their added weight and bulk will make the vehicle somewhat less stable. When turning or driving on slopes, always SLOW the vehicle before making a turn, and then SLOWLY turn the vehicle to prevent loss of control and possibly upset the vehicle.

DO NOT OVERLOAD THE VEHICLE. Maximum load limits are shown on decals used on all accessories . . . do not exceed these limits.

Failure to position loads carefully can result in their shifting or tipping over suddenly, causing the vehicle to upset.

Distribute loads evenly, keeping them low so as to prevent the vehicle from becoming top-heavy. When loading the cargo bed, have heavy loads to the front of the rear axle. Heavy loads in back of the rear axle can raise the front wheels clear of the ground, causing a loss of steering control and making the vehicle unstable.

## FOLLOW SAFETY INSTRUCTIONS

This Manual is provided as a guide for the safe operation and proper maintenance of this equipment. However, the operator's personal safety, as well as those persons in the work area, will depend on the careful actions and good judgement of the operator

Carefully read the Vehicle's Operators Manual BEFORE attempting to operate the Vehicle and/or any of the Accessories.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

## DRIVE SAFELY

Always SLOW the vehicle when approaching, and while making, a turn.

Always SLOW the vehicle when driving in unfamiliar areas or over rough terrain.

Always SLOW the vehicle when changing the direction of travel or preparing to stop.

DO NOT make sudden or sharp turns or change direction of travel, on an incline, ramp, grade, slope or similar surface.

Adjust the vehicle speed to allow for existing conditions such as wet, slick surfaces, low visibility, etc.

Drive the vehicle UP and DOWN the face of the slopes, inclines or grades whenever possible. DO NOT drive ACROSS the face if at all possible. There is a risk of upsetting the vehicle, which can result in serious injury or death.

Be especially careful when driving a heavily loaded vehicle down an incline or slope. SLOW the vehicle with the Vehicle Drive Control Lever. In case of the need for an emergency stop, use the foot brake.

©The Toro Company-1992

# operation

MANUAL OPERATION:

- Turn the POWER switch to "ON". The indicator light will come on.

- Use the UP/DOWN switches to raise or lower the right or left booms.

SONAR OPERATION:

- Turn the POWER switch to "ON". The indicator light will come on.

- Rotate the HEIGHT ADJUST knob to position the arrow at a point midway between "2' and "3" as a trial setting.

- With booms in spraying position, turn the SONAR switch "ON".

- Rotate the HEIGHT ADJUST knob until the right and left booms are level with the center boom. This boom height will be automatically maintained until the Height Adjust knob is moved to another setting. NOTE: If the booms are not level with one another, adjust the actuators at the adjustable clevis on the center boom frame.

To manually override the automatic boom height setting, use the UP/DOWN switches to raise or lower the left or right boom. When the switch is released, the boom automatically returns to the preset boom height.

NOTE: When boom is in the full upright position, it is necessary to push the UP/DOWN switch "DOWN" to start the boom toward the preset height.

CAUTION! When activating the booms, always be aware of your surroundings. Do not operate near bystanders or other equipment.

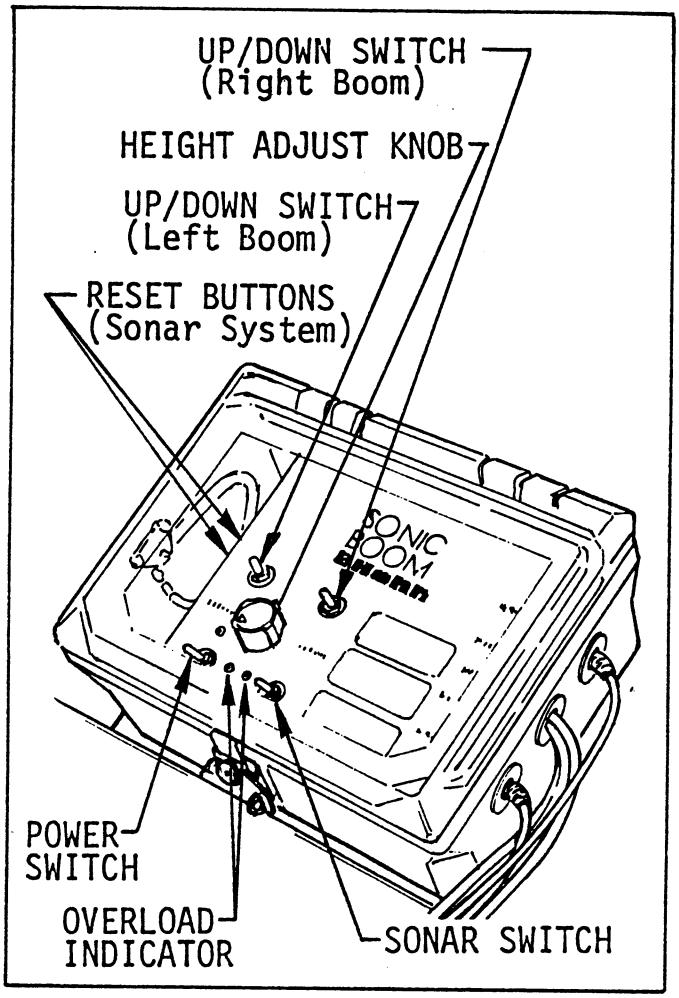
OVERLOAD RESET (ACTUATORS):

Should either of the actuators draw a heavy load current momentarily, the OVERLOAD light will come on to indicate the boom effected.

To reset, turn the POWER switch "OFF" for five seconds and then back "ON". If the light does not come on again, the boom is operable. NOTE: Normally, the only cause for an OVERLOAD condition is the actuator on the effected side reaches its load capacity.

OVERLOAD RESET (SONAR SYSTEM):

Should power to the sonar system fail, push the manual reset buttons on the left hand side of the Sonar Head, to restore power.




CAUTION! The Control Box is NOT absolutely waterproof and must be protected to prevent moisture from damaging the Sonar Control Head. The Sonar Heads mounted on the booms can also be seriously damaged by water. Be especially careful when using high pressure washing equipment near the Sonic Boom components!

Make sure POWER switch is "OFF" and the Sonar Control Box lid is closed before leaving the Sprayer. The closing latch on the Control Box will accept a small pad lock. A lock is recommended to help prevent the unauthorized operation of the Sonic Boom.

Be sure the SONAR switch is "OFF" when booms are folded forward for transport.