

OPERATOR'S MANUAL

SMALL TILLAGE EQUIPMENT

PS1001



PC1001

PM1001

PB1001

PC1072

PB1002



FRONTIER
EQUIPMENT™



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TO THE OWNER/OPERATOR/DEALER (Continued)

 This Safety-Alert Symbol indicates a hazard and means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!**



Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.



Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed.



Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.

IMPORTANT

Indicates that failure to observe can cause damage to equipment.


NOTE

Indicates helpful information.

General Information

The purpose of this manual is to assist you in operating and maintaining your small tillage equipment for years of service. Read it carefully. The information and instructions in this manual have been compiled from extensive field experience and engineering data. Some information may be general in nature due to unknown and varying operating conditions. However, through experience and these instructions, you should be able to develop procedures suitable to your particular situation.

The illustrations and data used in this manual were current at the time of printing, but due to possible inline production changes, your machine may vary slightly in detail. We reserve the right to redesign and change the machines as may be necessary without notification.

 **WARNING:** Some illustrations in this manual show these implements with safety shields removed to provide a better view. These implements should never be operated with any safety shielding removed.

Throughout this manual, references are made to right and left direction. These are determined by standing behind the equipment facing the direction of forward travel.

SAFETY RULES

- Machinery should only be operated by those who are responsible and are authorized to do so.
- Stop the engine, lower all equipment, lock the brakes, and remove the key to the ignition before dismounting tractor.
- Never stand between the tractor and the implement when the tractor is being backed up to hitch.
- Loose fitting clothing should not be worn when working on or around equipment with moving belts, parts, or pieces, as it could become caught in the assembly. Do not allow long hair or jewelry to be around moving parts.
- Detach the implement(s) in an area where children do not normally play.
- When performing adjustments or maintenance on an implement, lower it to the ground first or block it at a more comfortable, workable height.

(Safety rules continued on page 5.)

4 Safety Rules

SAFETY RULES (Continued)

- Only a qualified operator should be permitted on a tractor when in operation. No riders allowed!
- Make certain everyone is in the clear before starting the tractor or raising or lowering any equipment.
- Operate the tractor and the implement(s) only while seated in the driver's seat.
- Reduce speed when transporting mounted implements to avoid bouncing and momentary loss of steering control.
- A heavy load may cause your tractor to become unstable.
- Use extreme caution during road travel. Slow down for turns and watch for any uneven spaces in the road. Your tractor may need front counterweights to counter-balance the weight of the implement.
- Reduce speed on hillsides and curves in order to avoid tipping.
- Avoid driving too close to the edge of ditches or creeks.
- Do not transport your implement(s) on public roadways without reflectors and slow-moving-vehicle emblems. Turn on your warning lights at night and during other periods of poor visibility.
- Due to the width of some implements, use extreme caution on highways and farm roads when approaching gates.
- Always be sure the implement is in the proper position for transport.
- Remain alert and watch the front as well as the rear of your tractor when working with this or any other farm equipment.
- All equipment is potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes potential hazards and acts responsibly.
- When the use of hand tools is required to perform assembly of your implement(s), be sure the tools you use are designed and recommended by the tool manufacturer for that specific task.
- Personal protective equipment including safety glasses, safety shoes, and gloves are recommended during assembly, installation, operation, adjustment, maintenance, repairing, removal, or moving this implement.
- Never allow children to operate or play around equipment.
- Always use two people to handle heavy, unwieldy components during assembly, installation, removal, or the moving of this implement.
- Never place yourself between the tractor and the implement when the implement is in operation.
- Do not work under a raised implement unless it is securely blocked or held in position. Do not depend on the tractor's hydraulic system to secure the implement in place.
- Never use alcoholic beverages or drugs which might alter your alertness or coordination while operating this equipment. Consult your doctor about operating this equipment while taking prescription medications.
- Do not allow anyone who is not familiar with these safety rules and operating instructions to use this implement.
- When maneuvering close to buildings or passing through narrow areas, be sure to allow sufficient clearance for both the tractor and the implement. Never operate tractor or implement under trees with low hanging limbs. You could be knocked off the tractor and run over by the implement.
- Stop immediately if you should encounter an obstruction.

(Safety rules continued on page 6.)

SAFETY RULES (Continued)

- Before each use of this implement, check to ensure that all pins, bolts, and connections are securely in place. Replace any damaged or worn parts immediately.
- Tire inflation needs to be checked periodically to prevent flats and blowouts.
- Never place any part of your body where it would be in danger if movement should occur during installation, assembly, operation, maintenance, removal, or moving of the implement.
- Consult with local utility companies to make certain there are no buried gas lines, electrical cables, etc., in the area where you intend to work prior to beginning operation.
- When replacement parts are necessary for periodic maintenance, genuine factory replacement parts must be used to restore your equipment to its original condition. The manufacturer is not responsible for any damages which may occur as a result of using unapproved parts and/or accessories.
- Never replace any bolt with any length other than what is specified in this manual. A longer, protruding fastener is more likely to grab loose clothing or gloves which may result in serious injury or death.
- Know your tractor's controls and how to stop the engine or implement quickly in the event of an emergency.
- Stabilizer bars, adjustable sway chains, or sway block on your tractor lift arms will help to keep the implement from swinging from side to side. Adjust as tightly as possible for best performance.
- Turn curves or go up or down hills at a slow speed and at a gradual steering angle. Make certain that at least 20% of the tractor's weight is on the front wheels to maintain safe steering. Slow down on rough, uneven surfaces, and loose gravel.
- Many tractor accidents involve excessive speed. Drive at a speed appropriate for (1) the job you are doing; (2) the terrain over which you are traveling; and (3) the piece(s) of equipment you are using. Remember to slow down whenever making turns.
- Brakes, hitches, safety chains, springs, and shackles should be inspected regularly for wear, broken or missing parts and cracks in the welds.
- Reduce speed when transporting mounted implements as bouncing and momentary loss of control may result.
- Take all possible precautions when leaving the unit unattended: (1) Disengage the PTO; (2) Set the parking brake; (3) Stop the engine; and (4) Remove the key from the ignition. Always park in a level area.
- Remove accumulated debris from the equipment, the tractor, and the engine to avoid a potential fire hazard.
- Watch for hidden hazards on the terrain during operation.
- Never exceed the limits of a piece of machinery. If its ability to do the job, or to do it safely, is in question – Don't try it!
- Do not modify this equipment in any way. Unauthorized modifications may impair the functionality and/or safety features.
- Hydraulic and air lines should also be inspected for wear and cracks. Any indication of damage to these lines should be immediate grounds for replacement of the line. Caution should be taken when working on hydraulic systems. Make sure all pressure in the system is relieved and that the fluid is cool before loosening any fittings or removing lines. Wear leather or rubber gloves.
- Always use caution when operating these implements.

6 Safety Rules

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