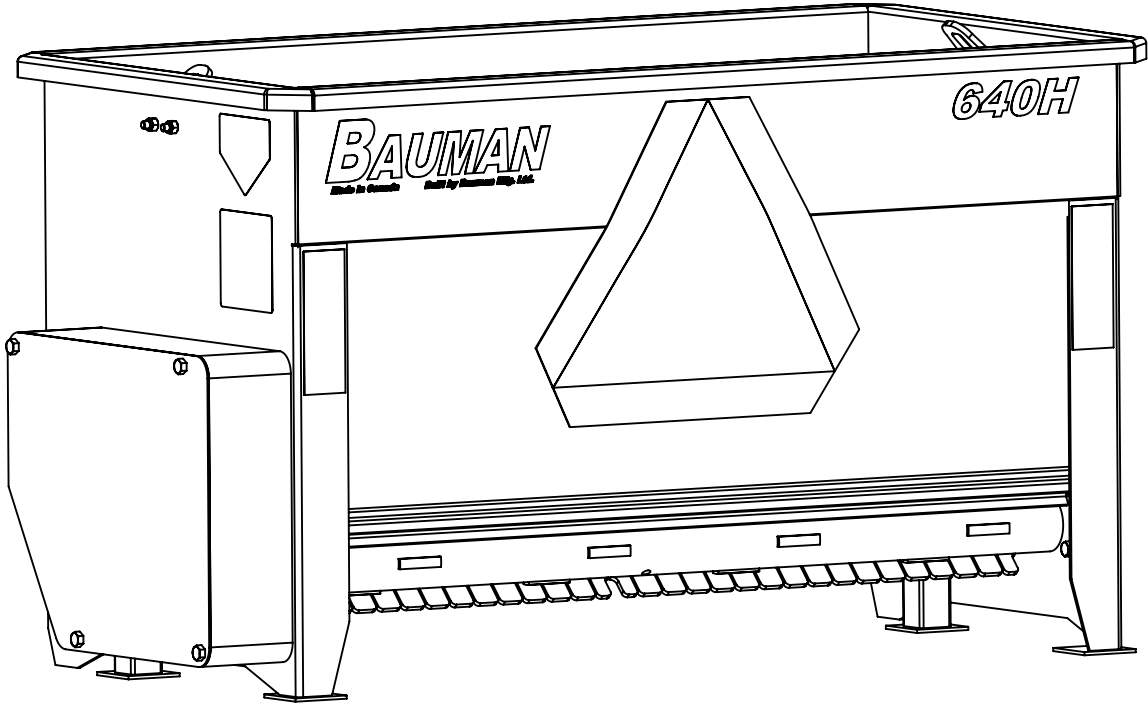


Bauman Manufacturing Limited



640 Sander

Operators Manual



Sold By:



Introduction

Congratulations on your purchase of a Bauman Sidewalk Sander. This sander has been designed and manufactured to enable operators to carry out their work safely and efficiently.

The Bauman Sidewalk Sander has been designed for spreading sand, salt, grit or similar material and should only be used for this purpose. Correct usage of the machine also includes observance of the factory's preparation, operation and maintenance instructions.

This manual will help you understand the proper maintenance and operation of the sander in order to maximize the longevity and effectiveness of the machine. All information, illustrations, and technical specifications in this manual are based on the most recent product information available at the time of printing.

Bauman Manufacturing Limited reserves the right to change design and specifications and / or to make additions and improvements to the product without notice.

Please record your serial number here:



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General Information About The Bauman Sidewalk Sander

The operator must read and understand all of the information in this manual to ensure they service and operate the machine correctly and thus avoid unnecessary risk of accidents and breakdowns.

Always: Stop the tractor engine before you adjust, lubricate, or repair the machine. Remember to remove the ignition key to make sure no one starts the tractor while you are repairing the machine.

Remember: Do not let anyone underneath the machine once it is connected to the tractor. Always disconnect power when servicing.

Never: Under any circumstances let anyone get close to or stay close to the machine while in operation. Do not squeeze between the machine and the tractor as an unintentional maneuver may result in serious injury.

Tractor Requirements:

It is recommended that the tractor operator use hearing protection in case of insufficient sound insulation in the cab. In order to keep full control of the tractor in all circumstances, at least 20% of the tractors total weight should be on the front axle. It may be necessary to regulate weight distribution with additional weights.

Do not overload your vehicle beyond manufacturers payload limits. If there are any questions, contact vehicle manufacturer.

Material Weight Guideline:

Fine Salt (Dry)	85 lbs. / cubic foot
Coarse Salt (Dry)	55 lbs. / cubic foot
50/50 Sand-Salt Mix	100 lbs. / cubic foot

*Material weights are provided for estimation,
actual material weights may vary.*

Maintenance

Warning: When repairing, maintaining and cleaning the machine, it is particularly important to be aware of safety precautions. Therefore always park tractor (if connected) and machine as a precautionary measure. Always disconnect power when servicing. Never try to clean, lubricate or adjust the machine before the tractor engine has been stopped and the parking brake activated.

Important: Screws and bolts on your new machine must be tightened up after two hours of operation. Furthermore, all moveable parts must be greased regularly for best performance. In order to extend the durability of the machine we recommend frequent and thorough cleaning. Use plenty of water when cleaning the machine in order to avoid material freezing on the roller and rubber belts. It is easier to clean the machine when the spring tension handle has been loosened.

Remember: Do not spray water directly into bearings or bearing housings. If machine is stored for a lengthy period of time, it is recommended that it is sprayed with acid-free oil before use. Remove all foreign material from the roller. Check and lubricate all chain and bearings regularly.

It is important to properly maintain and service your sander. Failure to comply with manufacturers suggested servicing procedure may result in premature wear and may hinder the machines performance.

Attachment of the Machine

This spreader can be attached to the tractor using various methods. It is the operator's responsibility to make sure that it is connected and fastened properly and safely. Ensure that the spreader sits horizontally when in operation. See to it that the machine's hydraulic hoses are properly connected to the tractor's hydraulic ports. Improper connection may cause damage to the machine if the oil runs in the wrong direction. Several mounting options are available from Bauman Manufacturing.

Hydraulic hoses are not supplied by the manufacturer.

Adjustment of Spreading Quantity

The spring bottom tension is adjusted with the handle on the left side of the machine. Here correct adjustment is important. If the spring bottom is adjusted too hard, this will cause unnecessary wearing to the rubber belt and rotating parts. If the adjustment of the spring is too slack, the distribution of the material will be uneven.

Regulation of spreading quality:

Simply adjust the tractor's PTO speed to 540 rpm, which in connection with the tractor's speed forward and the spring bottom adjustment will result in the spreading amount required. On models with oil motor, the tractor's rpm and speed forward control the spreading amount. In case the speed or rpm are inadequate an amount regulator can be installed later. *The 1040B, 1560B, and 2260H models are equipped with a flow control system.*

Starting to Spread:

Spreading of material starts as soon as the tractor's PTO/Hydraulics is engaged.

Safety Instructions

This machine demands skilled operation. Therefore, you must read this operator's manual before connecting the machine to the tractor. Even though you have owned or operated a similar machine, you should thoroughly read through all safety and maintenance procedure thoroughly. After all, this concerns - among other things - your own safety.

This Bauman Sidewalk Sander should only be operated by one person. The operator must see to it that no people (particularly children) are close to the area where the machine is in use. NEVER let others operate the machine unless you are absolutely certain that they have the necessary knowledge to operate the machine safely and correctly.

The following precautions should be fully read and understood before operation of the machine:

- Activate the tractor's parking brake and stop the tractor's engine before:
 - Lubricating the machine
 - Cleaning the machine
 - Disassembling any part of the machine
 - Adjusting, repairing or maintaining the machine
- Always lower the machine to the ground when parked.
- Always disconnect power before servicing.
- Never work underneath an elevated unit until it has been secured mechanically or by means of stop wedges.
- Do not start or operate the tractor until all bystanders are made aware and are well clear of the machine.
- Check to make sure that all tools have been removed from the machine before starting the tractor.
- Check that all safety shields and grills are in place and secured.
- Never operate the machine while wearing loose garments as they could be pulled into the machine by a movable part.
- Always use statutory vehicle lights and safety markings as required by law when using on public roads or when driving in the dark.
- Do not adjust, clean, lubricate, or unclog material jams without first disconnecting power from the sander.

- Hearing protection is recommended - especially if the machine is in use over a long period of time.
- Before lifting or lowering the sander, ensure there is no one in the vicinity of the machine. Do not stand between the tractor and sander during attachment and detachment.
- Do not use the machine for any other kind of work than for that which it has been constructed. The machine has only been manufactured strictly for its intended use as a drop spreader of sand and salt.
- Be considerate of people, property, and animals in the vicinity of the machine. Keep them at a safe distance of at least 10 meters from the machine during operation.
- Only use original components, or replacement components received from Bauman Manufacturing.
- Sitting, reaching, or climbing on or in the spreader during operation can result in serious injury or death. Do not ride on the spreader while the vehicle is in motion.
- **DO NOT** remove the hopper grill.
- All laws and rules relating to public safety in the country of operation must be obeyed. Follow both the vehicle and sander manuals to ensure safety and mechanical efficiency.

It is the operator's responsibility to ensure the safety of not only him/herself, but also of others while operating or maintaining the Bauman Sidewalk Sander.

Safety Labels

The danger labels on our equipment are for the safety of not only the operator but the safety of pedestrians and bystanders as well. Always read and obey warning and danger labels. The operator must ensure that before operating the machine all guards and grills are in place and attached properly. Stay clear from all moving parts and rotating shafts.

Under no circumstances should you reach into the hopper when the sander is in operation.



640 PARTS LIST (HYDRAULIC DRIVE)

ITEM NO.	PartNo	DESCRIPTION
1	1140 SB50-4	RUBBER FLAP (finger bar)
2	1140 SB60-4	RUBBER FLAP (drum)
3	640 200	GRILL (hopper)
4	1140 430	END PLATE
5	1140 302	DISTRIBUTOR DRUM
6	1140 303	AGITATOR
7	UCFL 205-16	BEARING
8	440 400 (20x41)	DOUBLE-SINGLE SPROCKET
9	1140 305	TENSION LEVER
10	1140 301	FINGER BAR
11	40B12 016ALP	SPROCKET 12 TOOTH
12	40B30 016	SPROCKET 30 TOOTH
13	1140 411	CHAIN #40 (short)
14	1140 410	CHAIN #40 (long)
15	1140 MLHPQ 50 C4C	HYD MOTOR
16	1140 601	HYD MOTOR MOUNT BRACKET
17	193-0116	SHAFT COUPLER
18	1140 421	SHAFT
19	1140 602	SHAFT COVER (HYD)
20	1140 201	SHIELD
21	640 EXT	HOPPER EXTENSION

PTO DRIVE OPTION

ITEM NO.	PartNo	DESCRIPTION
22	L25A 124.489	GEAR BOX
23	1140 PTO	PTO SHAFT 25-1/2"OAL
24	1140 202	GEAR BOX SHIELD

