Dennis Henny

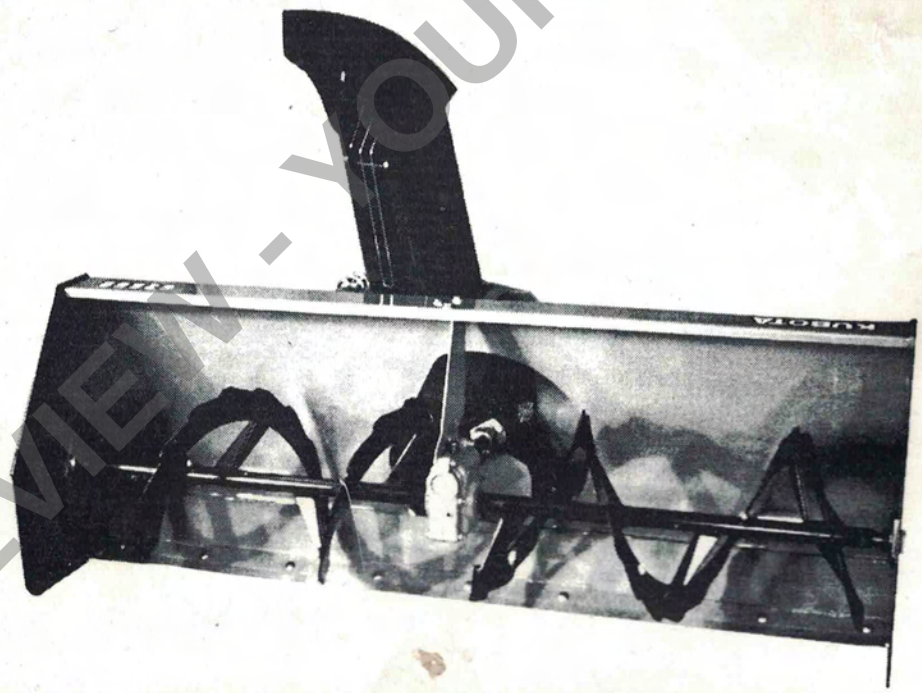
OPERATOR'S & PARTS MANUAL

KUBOTA®

B2650 & B2660

Snowblower

B2650
S/N 70300996



FORM 70000-70413 8/96

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TABLE OF CONTENTS

B2650 & B2660 SNOWBLOWER

SAFETY PRECAUTIONS 2
- Before Operation 2
- During Operation 2
- Maintenance 3

SAFETY SIGNS 4
- Safety Sign Locations 4
- Care of Safety Signs 4
- Sign Illustrations & Part Numbers 5

SPECIFICATIONS 6

INTRODUCTION 7
- Using this Manual 7
- Application 7
- Serial Number Information 7

TRACTOR PREPARATION 8
- Steering Stop Plate Installation 8
- 3-Point Hydraulic Control Valve Return Spring Instructions 9

SUB-FRAME INSTALLATION 10
- Installing the Sub-Frame 10
  - Units using 3-point hydraulics or the B2056 Valve Kit 10
  - Units with Front Loader 11
  - All Unit Combinations 11
- Installing Handle Support 13
- Hydraulic Connections 14
  - Units using 3-point hydraulics 14
  - Units using B2056 Valve Kit , or units with Front Loader 15
- Seasonal Service 15

HYDRAULIC ADJUSTMENTS 16
- Adjusting 3-point Hydraulic Valve Return Spring 16

ADDITIONAL INFORMATION 17
- Drive Shield Exchange 17

SNOWBLOWER INSTALLATION 18
- Fastening to the Lift Frame 18
- Installing the Chute 18
- Installing the Chute Handle 19
- Connecting the Driveshafts 20
- Skid Shoe Adjustment 21

TORQUE TIGHTENING CHART 22
- Standard Torque Application Chart 22
- Special Torque Applications 22

LUBRICATION & MAINTENANCE 23
- Lubrication 23
- Daily Maintenance 23
- Snowblower Adjustments 23
  - Skid Shoes 23
  - Drive Chain 24
  - Chute Deflector 24

OPERATING INSTRUCTIONS 25
- Operating Controls 25
  - Chute Rotation 25
  - Lifting & Lowering 25
  - Snowblower Drive 25
- Preparing for Snow Removal 25
- Removing Snow 26
- Transporting the Snowblower 27

PARTS ILLUSTRATIONS 29
- Housing, Auger & Fan Components 30
- Drive Components 32
- Discharge Chute Components 34
- Gearbox Components 36
- Sub-Frame Components 38
- Hydraulic Lift Components 40
- Driveshaft Components 42
- Miscellaneous Components 44

NUMERICAL INDEX 46

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SAFETY PRECAUTIONS

DANGER-WARNING-CAUTION: *THESE WORDS AND THIS SAFETY ALERT SYMBOL IDENTIFY IMPORTANT SAFETY MESSAGES WITHIN THIS MANUAL. CAREFULLY READ THE MESSAGE THAT FOLLOWS THE SYMBOL. FAILURE TO UNDERSTAND AND OBEY A SAFETY WARNING, OR RECOGNIZE A SAFETY HAZARD, COULD RESULT IN AN INJURY TO YOU OR OTHERS AROUND YOU. THE OPERATOR IS ULTIMATELY RESPONSIBLE FOR THE SAFETY OF HIMSELF, AS WELL AS OTHERS, IN THE OPERATING AREA.*

All KUBOTA products are designed to give safe, dependable service if operated according to instructions. **Read and understand this manual before operation.** It is the owners responsibility to be certain everyone operating this product reads this manual, and the tractor manual, to become familiar with this equipment and all safety precautions. Failure to do so could result in serious personal injury or equipment damage. If you have any questions, consult your KUBOTA Dealer.

KUBOTA recommends the use of a ROPS (Roll Over Protective Structure) and seat belt in almost all applications. Never fasten the seat belt without a ROPS. Do not modify a ROPS in any way. Welding, bending, drilling or cutting any portion of the ROPS may weaken the structure. Do not repair a damaged ROPS. A damaged ROPS structure must be replaced, not repaired or revised. If any structural member is damaged, replace the entire structure at your local KUBOTA Dealership. Check the seat belt daily and replace it if damaged or frayed.

BEFORE OPERATION

NEVER ALLOW ANY CHILDREN to operate the snowblower. Only trained adults should operate or service this equipment. Know how to stop the unit and disengage controls quickly. Know and understand all snowblower safety precautions, including those in the tractor manual before set-up, service, or operation.

ALWAYS wear suitable hearing protection such as earplugs or earmuffs, AND adequate safety glasses or safety goggles, when operating the snowblower.

Never wear loose or extremely bulky clothing around the snowblower. This type of clothing may catch on moving parts, causing serious personal injury or death. Always wear boots that will improve footing on icy surfaces.

Operate only during daylight hours or when the area is well lit with bright artificial light.

Make sure the tractor is counterweighted for snowblower use as recommended by your KUBOTA Dealer. Weights provide the necessary balance to prevent loss of control and possible tip-over.

DURING OPERATION

Do not permit anyone to ride on the snowblower unit while in operation or transport. THERE IS NO SAFE PLACE FOR PASSENGERS ON THIS EQUIPMENT. Operate the snowblower from the operator's seat ONLY.

Make sure the PTO (Power Take Off) is in the NEUTRAL position BEFORE starting the engine.

Insure that all bystanders, especially SMALL CHILDREN AND PETS, are WELL CLEAR of the snowblower before engaging the PTO and lowering the unit. NEVER allow anyone to be in front of the snowblower during operation. Contact with moving parts may cause serious injury or death.

BEFORE beginning EACH operation, make sure the auger and fan are cleared of any ice that may have formed while the snowblower was not in use.

Be extremely careful when working on slippery or icy surfaces, and on uneven or sloping walks or drives. DO NOT clear snow on steep slopes. Do not clear snow across the face of slopes. Exercise extreme care when turning on slopes.

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SUB-FRAME INSTALLATION

IMPORTANT: *Sub-frame fasteners should not be torqued until instructions to do so are given. See the Torque Tightening Chart on page 22 for standard and special torque values.*

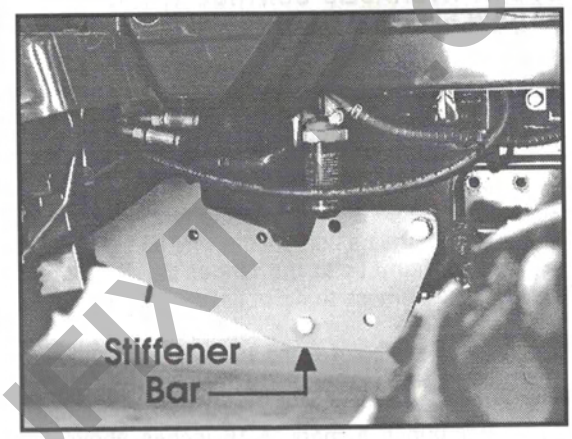
INSTALLING THE SUB-FRAME

Units using tractor 3-point hydraulics or the optional B2056 Valve Kit

NOTE: If the tractor is equipped with the B2056 valve stand, remove it and its spacers and lay it aside. The valve and hoses can remain in place on the stand.

1. Hold the mounting plates against each side of the tractor frame approximately as shown. Any mower brackets or fasteners that are in place behind these plates must be removed and stored for use when the mower is reinstalled.

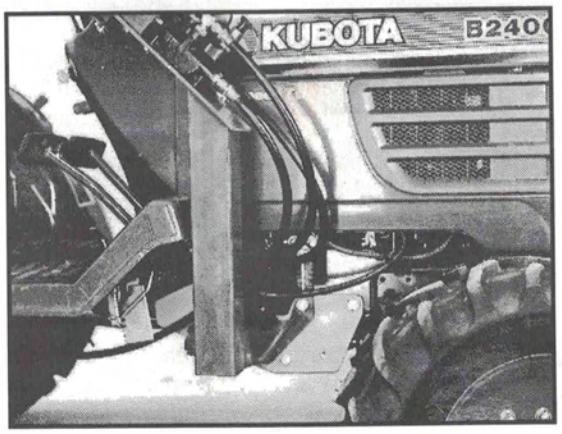
2. Install the mounting plates, with the stiffener bar between them, as shown. It may be necessary to loosen and rotate the hose clamps on the driveshaft tube, on four wheel drive tractors, to allow stiffener bar clearance.



IMPORTANT: *Bolt length and thread pitch is critical as different SAE and metric sizes are required to install the mounting plates. Refer to the illustration on page 38 for correct size and location.*

3. Reinstall the valve stand to the right mount plate using the fasteners that were originally removed. The spacers that were removed are not used. The mount plate will take the place of these spacers.

4. All loose fasteners installed to this point can now be tightened according to the Torque Chart on page 22.



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LUBRICATION & MAINTENANCE

LUBRICATION

1. GREASE. Using KUBOTA gun grease, Part Number 70000-10401 (Cartridge), or any high quality #2 multi-purpose grease, lubricate each auger shaft tube and both driveshaft universal joints (4) every 8 hours of operation. Pull the driveshafts apart and grease the tube and shaft every 16 hours of operation.

2. HYDRAULIC OIL. Before daily operation, check the hydraulic oil. If the level is low, add oil as described in the applicable tractor operator's manual. Use only KUBOTA recommended hydraulic oil.

3. DRIVE CHAIN. Remove the chain shield and lubricate with chain oil every 8 hours of operation, and after EVERY use.

4. CHUTE ROTATOR. Lubricate the worm drive and chute gear with chain oil every 8 hours of operation, and after EVERY use to make sure it does not freeze during or after snow removal operation.

> ***WARNING:*** *MAKE SURE ALL SHIELDS AND GUARDS ARE SECURELY IN PLACE, ESPECIALLY THOSE ON AND AROUND THE SNOWBLOWER DRIVESHAFT AND DRIVE CHAINS, FOLLOWING ALL CLEANING, SERVICE, OR REPAIR WORK.*

5. GEARBOX OIL. The snowblower gearbox oil level should be checked on a weekly basis. Use KUBOTA oil, Part Number 70000-10500 (1 quart bottle), any "pour" consistancy EP Grease, or any high quality SAE 80-90W Gear Oil. Remove the large vent plug on the top of the gearbox and fill until oil comes out of the check plug hole on the front of the gearbox.

DAILY MAINTENANCE

1. FASTENERS. Visually check all hardware before operation. Tighten loose fasteners to torque values found on the Torque Tightening Chart.

2. SHEAR BOLTS. Three shear bolts; two 5/16" at the outside end of each auger; one 1/4" in the joint between the gearbox and chain sprocket shafts, should be checked to make sure they are securely in place and in safe working condition.

3. AT SHUT DOWN. Run the snowblower for a minute or two after blowing snow to prevent ice formation and possible freeze up of the auger and blower fan.

SNOWBLOWER ADJUSTMENTS

> ***WARNING: ALL*** *SNOWBLOWER REPAIRS, SERVICE, OR ADJUSTMENT,* ***MUST*** *BE PERFORMED WITH THE PTO DISENGAGED, AND THE ENGINE SHUT OFF.*

1. SKID SHOES. Adjust the both skid shoes equally up or down and to clear obstacles that may be encountered during operation.

> ***WARNING:*** *READJUST THE SNOWBLOWER HOUSING SKID SHOES TO CLEAR GRAVEL, CRUSHED ROCK, SIDEWALK SEAMS, ETC.,* ***BEFORE EACH*** *OPERATION. EXERCISE EXTREME CAUTION WHEN OPERATING IN THESE CONDITIONS AS GRAVEL AND ROCK CAN BE THROWN, CAUSING BYSTANDER INJURY OR PROPERTY DAMAGE.*

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OPERATING INSTRUCTIONS

OPERATING CONTROLS

> ***DANGER:*** *NEVER WEAR LOOSE OR EXTREMELY BULKY CLOTHING AROUND THE SNOWBLOWER. THIS TYPE OF CLOTHING MAY CATCH ON MOVING PARTS CAUSING SERIOUS PERSONAL INJURY OR DEATH. ALWAYS WEAR BOOTS THAT WILL IMPROVE FOOTING ON ICY SURFACES.*

Observe and follow all SAFETY instructions to prevent personal injury or damage to the snowblower, before operation is attempted.

1. CHUTE ROTATION

   MANUAL CHUTE CONTROL. Turning the handle in a clockwise direction will rotate the chute to the left, and turning in a counter clockwise direction will rotate the chute to the right.

2. LIFTING & LOWERING

   The snowblower is raised by moving the tractor 3-point control lever, or the remote hydraulic control lever rearward.

   Lower the snowblower by pushing the control lever forward into the float position. In the float position, the snowblower is free to move up and down as it follows the contour of the ground.

> ***IMPORTANT:*** *On units equipped with remote or loader hydraulics, DO NOT use down pressure when lowering the snowblower. Always push the lever into the float position allowing gravity to lower the snowblower. Float will allow full steering control while permitting the snowblower to follow uneven ground contours, thereby eliminating unnecessary wear on the augers, cutting edge and skid shoes.*

3. SNOWBLOWER DRIVE

> ***CAUTION:*** *MAKE SURE THE PTO IS IN THE **NEUTRAL** POSITION **BEFORE** STARTING THE ENGINE.*

The snowblower is driven by means of a driveshaft from the tractors mid-PTO, to the snowblower gearbox.

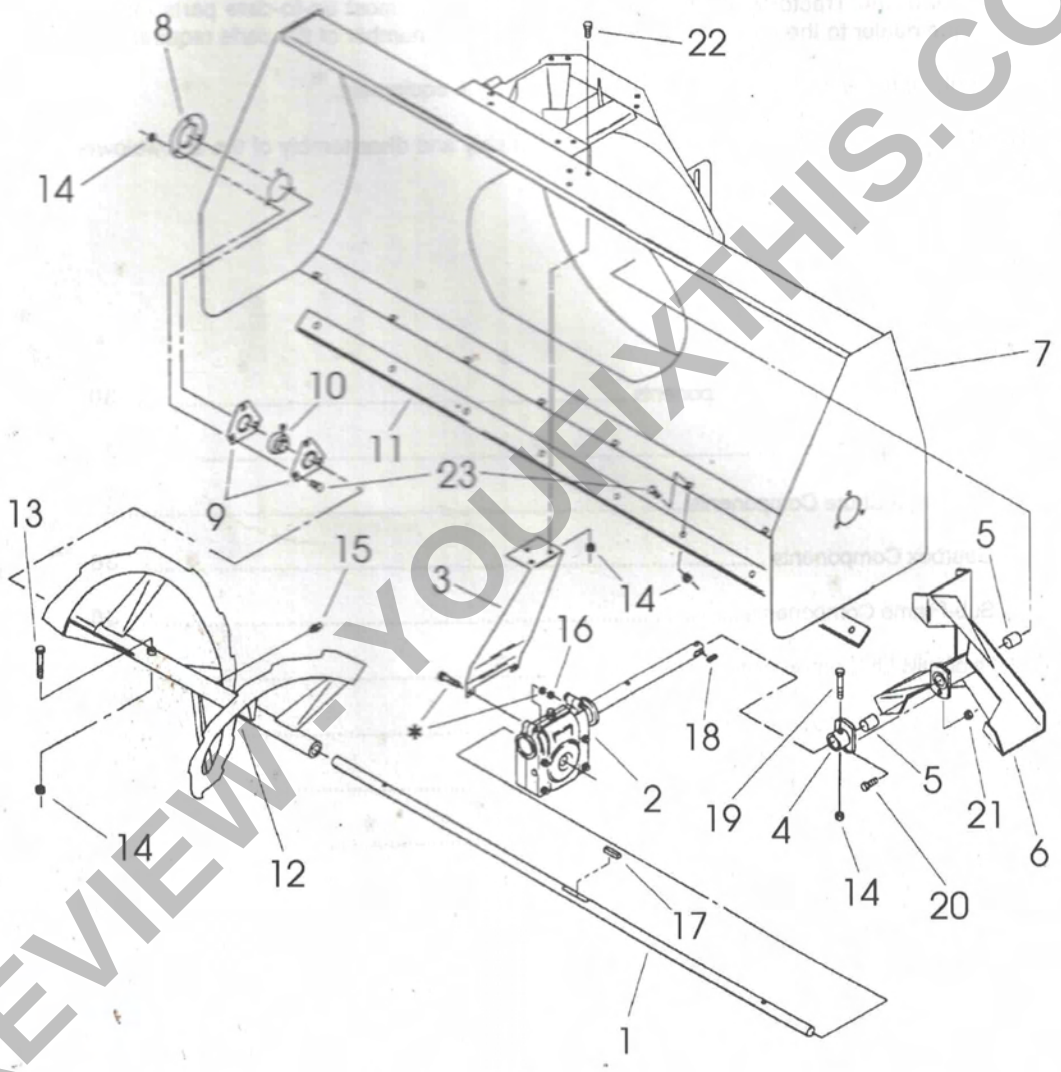
> ***DANGER:*** *INSURE THAT ALL BY-STANDERS, ESPECIALLY **SMALL CHILDREN AND PETS,** ARE **WELL CLEAR** OF THE SNOWBLOWER BEFORE ENGAGING THE PTO AND LOWERING THE UNIT. **NEVER** ALLOW ANYONE TO BE IN FRONT OF THE SNOWBLOWER DURING OPERATION. CONTACT WITH MOVING PARTS MAY CAUSE SERIOUS INJURY OR DEATH.*

PREPARING FOR SNOW REMOVAL

> ***WARNING:*** ***NEVER ALLOW ANY CHILDREN*** *TO OPERATE THE SNOW-BLOWER. ONLY TRAINED ADULTS SHOULD OPERATE OR SERVICE THIS EQUIPMENT. KNOW HOW TO STOP THE UNIT AND DISENGAGE CONTROLS QUICKLY. KNOW AND UNDERSTAND ALL SNOWBLOWER SAFETY PRECAUTIONS, INCLUDING THOSE IN THE TRACTOR MANUAL BEFORE SET-UP, SERVICE OR OPERATION.*

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PARTS ILLUSTRATIONS - Housing, Auger & Fan Components

REF	PART NUMBER	DESCRIPTION	QTY
1	70050-94265	SHAFT, Auger - B2650	1
	70050-94264	SHAFT, Auger - B2660	1
2	70050-94670	GEARBOX ASSY.	1
3	70050-94269	BRACKET, Gearbox Mount	1
4	70050-94267	SHEAR HUB, Fan Adapter	1
5	70050-94141	BUSHING	2
6	70050-94266	FAN	1
7	70050-94280	HOUSING, B2650 - inc. Safety Signs √√	1
	70050-94279	HOUSING, B2660 - inc. Safety Signs √√	1
8	70050-94138	CAP, Shaft Bearing	2
9	70050-94160	RETAINER, Bearing	4
10	70050-94162	BEARING, Auger Shaft	2
11	70050-94675	CUTTING EDGE, B2650, Abrasion Resistant	1
	70050-94671	CUTTING EDGE, B2660, Abrasion Resistant	1
12	70050-94262	AUGER, RH -B2650	1
	70050-94260	AUGER, RH - B2660	1
	70050-94263	AUGER, LH - B2650	1
	70050-94261	AUGER, LH - B2660	1
13	70050-94176	SHEAR BOLT, Special	2
14	75599-31932	LOCKNUT, 5/16-18	18
15	70070-00181	NIPPLE, Grease - 1/4-28	2
16	02054-50080	NUT, M8-1.25	2
17	70050-94193	KEY, 1/4 Square x 1-3/4	1
18	70070-00186	KEY, 1/4 Square x 1-1/4	1
19	75599-03240	BOLT, 5/16-18 x 2 **"Grade 8"**	1
20	75599-01125	SHEAR BOLT, 1/4-20 x 1-1/4	1
21	75599-31931	LOCKNUT, 1/4-20	1
22	75599-01220	BOLT, 5/16-18 x 1	3
23	70050-94189	CARRIAGE BOLT, 5/16-18 x 3/4	15

√√ See page 4 for Safety Sign locations and page 5 for Part Numbers.

* Gearbox Fasteners

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