OPERATOR'S & PARTS MANUAL

KUBOTA

B 2550 50" TWO STAGE SNOWBLOWER

FOR B1550, B1750 AND B7100 TRACTORS

MODELS STARTING AT SERIAL NO. 0200101 AND UP

MANUAL PART NUMBER 70060-03613 10/90

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SAFETY PRECAUTIONS

Careful operation is your best insurance against an accident. Read this section carefully before operating the tractor and snowblower. All operators, no matter how experienced they may be, should read this and other related manuals before operating the snowblower. It is the owner's legal obligation to instruct all operators in safe operation.

BEFORE OPERATION

This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on the snowblower's safety labels to warn of the possibility of personal injury. Kubota requests that you take special care in reading and understanding the safety precautions before operating the snowblower or the tractor.

1. Read and understand this Operator's Manual and the tractor Operator's Manual. Know how to operate all controls and how to stop the unit and disengage the controls quickly.

2. Never allow other persons to operate the equipment without proper instruction. Never allow children to operate the equipment.

3. Keep the area of operation clear of all bystanders, especially small children and pets.

4. Never wear loose, torn, or bulky clothing around the tractor and snowblower. It may catch on moving parts or controls, leading to the risk of accident. Use additional safety items -- hard hat, safety boots or shoes, eye and hearing protection, gloves, etc... as appropriate or required.

5. Before the snow season, thoroughly inspect the area where the equipment is to be used and remove all door mats, sleds, boards, wires and other foreign objects.

6. Disengage PTO (POWER TAKE OFF), and shift into neutral before starting the engine.

7. Do not operate equipment without wearing adequate winter outer garments.

8. Adjust collector housing height to clear gravel or crushed rock surface.

9. Never attempt to make any adjustments while engine is running.

10. Do not work under a raised snowblower.

11. Escaping hydraulic/diesel fluid under pressure can penetrate the skin. Use a piece of cardboard or paper rather than your hands to search for leaks.

OPERATION

1. Make sure the drivelines are attached properly before operation.

2. Before dismounting, take all possible precautions. Disengage PTO, lower the attachment, shift into neutral, set the parking brake, stop the engine, and remove the key.

3. Before starting, remove any ice that has accumulated in the auger and fan.

4. Watch carefully for foreign objects that could enter the blower while operating.

5. Make sure that the PTO is in the **NEUTRAL** position before starting engine.

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OPERATION

OPERATING CONTROLS

1. CHUTE ROTATION

- MANUAL:
  The chute rotation handle is located to the right of the steering wheel. Turning the handle in a clockwise direction turns the discharge chute in a clockwise direction.

- ELECTRIC (OPTIONAL) :
  When toggle switch is pushed to the right hand side the chute rotates in a clockwise direction to the right, and when pushed to the left hand side the chute rotates in a counterclockwise direction to the left.

2. RAISING AND LOWERING THE SNOWBLOWER

The snowblower is raised and lowered using the hydraulic lever of the tractor 3 point hitch (See Tractor Operator's Manual)

3. STARTING AND STOPPING THE SNOWBLOWER

The snowblower is driven from the tractor engine through the mid PTO. To engage the PTO depress the clutch pedal to disengage the clutch, shift the PTO lever, which is located to the left of the treactor seat, down and slowly release the clutch pedal. To disengage the PTO, depress the clutch pedal, shift the PTO lever up and slowly release the clutch pedal. (See Tractor Operator's Manual)

4. OPTIONAL ELECTRIC DEFLECTOR

When toggle switch is pushed forward or upward the deflector raises, and when pushed rearward or downward the deflector lowers.

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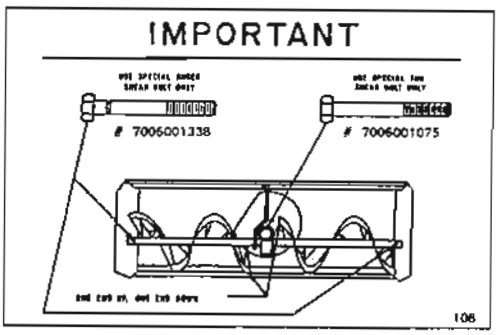
MAINTENANCE

TIRE PRESSURE

Front wheel tires must be inflated to 26-27 psi.
Rear wheel tires must be inflated to 7-8 psi.

MAINTENANCE SERVICE AND STORAGE

1. Always use the special shear bolts on the fan, and the special grooved shear bolts on the auger sections, as shown on the decal below.



2. Check shear bolts at frequent intervals for proper tightness to be sure the blower is in safe working condition.

3. Never store the tractor with fuel in the fuel tank inside a building where open flame or sparks are present. Allow the engine to cool before storing in any enclosure.

4. Run the snowblower a few minutes after blowing snow to prevent freeze up of the auger and the impeller.

5. Provide adequate blocking before working under the snowblower when in the raised position.

LUBRICATION

1. **GEARBOX:** Check the oil level in the worm gear drive every month. If necessary, add AGMA 5EP, or SAE 90 gear oil. Make sure oil level is up to side plug (fig.1, item 1).

2. **AUGER SECTIONS:** Grease the fitting on each auger section every 24 hours of operation or once a year.

3. **REDUCTION CHAIN:** Lubricate with chain saw chain lubricant every 4 hours of operation and after each use.

4. **PTO DRIVELINES:** Grease each u-joint fitting every 8 hours of operation. Slide drive shaft apart and coat sliding surfaces with grease every 24 hours of operation.

END OF SEASON STORAGE

1. Clean the snowblower thoroughly.

2. Repaint all parts from which paint has worn.

3. When the snowblower is dry, oil all moving parts. Apply oil liberally to all surfaces to protect against rust.

4. Lubricate the snowblower as instructed above.

5. List the replacement parts that will be needed before the next season.

6. Store the snowblower in a dry place.

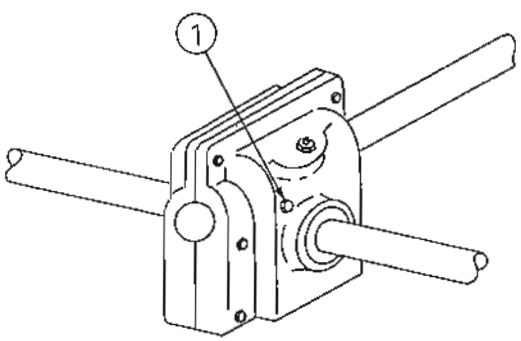


FIGURE 1

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ASSEMBLY

STEP 6: GB2514 ELECTRIC CHUTE ROTATION KIT (Optional)

a) Follow Page 9, Step 3, a to d.

b) Insert 1 11/16" plastic bushing (fig.17, item 1) in rotation bracket (fig.17, item 2). Use the rotation bracket (fig 17, item 2) without the notch in it. This allows the motor to be positioned downward.

c) Install the adaptor (fig.17, item 3) on the motor shaft and attach motor (fig.17, item 4) to rotation bracket using three 1/4" x 3/4" bolts, flatwashers and lockwashers. Tighten securely.

d) Insert longest tube end of rotation worm (fig.17, item 5) over adaptor and into plastic bushing in rotation bracket. Align holes and secure with a 10-24 x 1" capscrew and a nylon lock nut. Tighten securely.

e) Install the chute over the plastic insert and place the four retaining plates (fig.17, item 6). Secure using eight 1/4" x 3/4" bolts, lockwashers and nuts, attaching rotation bracket assembly on the underside of chute base lip. Torque to 9-11 lbs.ft.

f) Drill one 1/2" hole in tractor for control switch. Drill one .593" hole at least 2 1/2" from control switch hole for fuse holder. The two holes must be drilled in an appropriate location and must not interfere with existing controls or electrical systems.

g) Solder one 18" wire to the side terminal of fuse holder and the other 18" wire to the bottom terminal (see figure 18).

h) Install control switch and fuse holder in holes drilled in (f) above, and thread rubber toggle protector over switch.

i) Connect one wire from fuse holder to middle terminal of control switch, the other 18" wire to the tractor ignition switch (see figure 18).

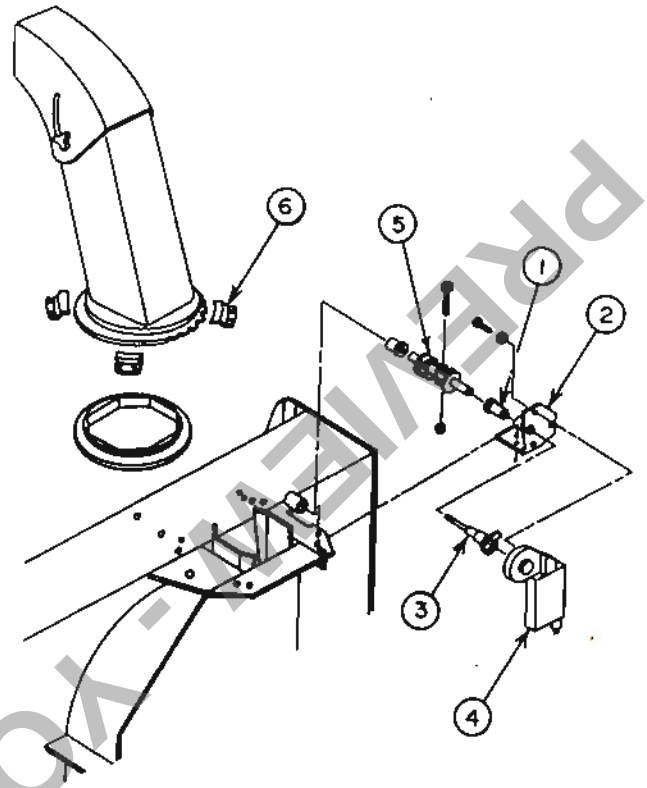


FIGURE 17

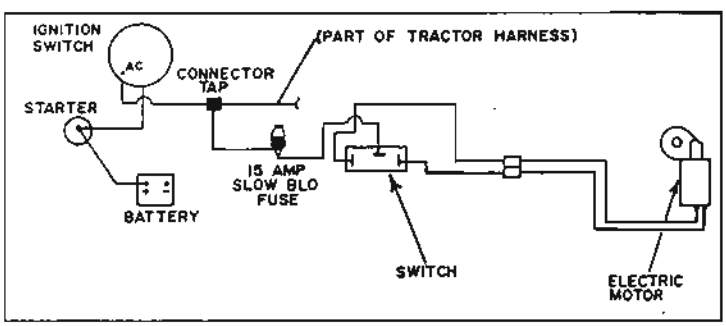


FIGURE 18

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TORQUE SPECIFICATION TABLE

GENERAL TORQUE SPECIFICATION TABLE (Revised 2-74)

USE THE FOLLOWING TORQUES WHEN SPECIAL TORQUES ARE NOT GIVEN

NOTE: These values apply to fasteners as received from supplier, dry, or when lubricated with normal engine oil. They do not apply if special graphited or moly disulphide greases or other extreme pressure lubricants are used. This applies to both UNF and UNC threads.

SEE Grade No.		2				5				8 *			
BOLT HEAD IDENTIFICATION MARKS AS PER GRADE NOTE: MANUFACTURING MARKS WILL VARY													
Bolt Size		Torque				Torque				Torque			
		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters		Pounds Feet		Newton Meters	
Inches	Millimeters	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/4	6.35	5	6	6.8	8.13	9	11	12.2	14.9	12	15	16.3	30.3
5/16	7.94	10	12	13.6	16.3	17	20.5	23.1	27.8	24	29	32.5	39.3
3/8	9.53	20	23	27.1	31.2	35	42	47.5	57.0	45	54	61.0	73.2
7/16	11.11	30	25	40.7	47.4	54	64	73.2	86.8	70	84	94.9	113.9
1/2	12.70	45	52	61.0	70.5	80	96	108.5	130.2	110	132	149.2	179.0
9/16	14.29	65	75	88.1	101.6	110	132	149.2	179.0	160	192	217.0	260.4
5/8	15.88	95	105	128.7	142.3	150	180	203.4	244.1	220	264	298.3	358.0
3/4	19.05	150	185	203.3	250.7	270	324	366.0	439.3	380	456	515.3	618.3
7/8	22.23	160	200	216.8	271.0	400	480	542.4	650.9	600	720	813.6	976.3
1	25.40	250	300	338.8	406.5	580	696	786.5	943.8	900	1080	1220.4	1464.5
1-1/8	25.58	—		—		800	880	1084.8	1193.3	1280	1440	1735.7	1952.6
1-1/4	31.75	—		—		1120	1240	1518.7	1681.4	1820	2000	2467.9	2712.0
1-3/8	34.93	—		—		1460	1680	1979.8	2278.1	2380	2720	3227.3	3688.3
1-1/2	38.10	—		—		1940	2200	2630.6	2983.2	3160	3560	4285.0	4827.4

* Thick nuts must be used with Grade 8 bolts.

METRIC BOLT TORQUE SPECIFICATIONS

Size of screw	Grade No.	Coarse thread			Fine thread		
		Pitch (mm)	Pounds Feet	Newton-Meters	Pitch (mm)	Pounds Feet	Newton-Meters
M6	4T (4)	1.0	3.6–5.8	4.9–7.9	—	—	—
	7T (7)		5.8–9.4	7.9–12.7		—	—
	8T (8) (11)		7.2–10	9.8–13.6		—	—
M8	4T	1.25	7.2–14	9.8–19	1.0	12–17	16.3–23
	7T		17–22	23–29.8		19–27	25.7–36.6
	8T		20–26	27.1–35.2		22–31	29.8–42
M10	4T	1.5	20–25	27.1–33.9	1.25	20–29	27.1–39.3
	7T		34–40	46.1–54.2		35–47	47.4–63.7
	8T		38–46	51.5–62.3		40–52	54.2–70.5
M12	4T	1.75	28–34	37.9–46.1	1.25	31–41	42–55.6
	7T		51–59	69.1–79.9		56–68	75.9–92.1
	8T		57–66	77.2–89.4		62–75	84–101.6
M14	4T	2.0	49–56	66.4–75.9	1.5	52–64	70.5–86.7
	7T		81–93	109.8–126		90–106	122–143.6
	8T		96–109	130.1–147.7		107–124	145–168
M16	4T	2.0	67–77	90.8–104.3	1.5	69–83	93.5–112.5
	7T		116–130	157.2–176.2		120–138	162.6–187
	8T		129–145	174.8–196.5		140–158	189.7–214.1
M18	4T	2.0	88–100	119.2–136	1.5	100–117	136–158.5
	7T		150–168	203.3–227.6		177–199	239.8–269.6
	8T		175–194	237.1–262.9		202–231	273.7–313
M20	4T	2.5	108–130	146.3–176.2	1.5	132–150	178.9–203.3
	7T		186–205	252–277.8		206–242	279.1–327.9
	8T		213–249	288.6–337.4		246–289	333.3–391.6

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ASSEMBLY

IMPORTANT: Before beginning assembly of this subframe, please read the instructions through completely and familiarize yourself with all the parts. Open carton and lay out all parts for assembly. Front wheel tires must be inflated to 26-27 psi. and rear wheel tires to 7-8 psi. The pressure has to be equal on both sides of tractor. After completing assembly and adjustments, torque all bolts according to torque specification table on page 37.

STEP 1: TRACTOR PREPARATION

a) On right hand lower link of three point hitch, remove linch pin from tractor pivot pin.

b) Install lift bracket (fig.1, item 1) on tractor pivot pin and on lower right hand link as in figure 1. Secure with a 17/32" x 2 1/8" pin (fig.1, item 2) and a 3mm x 65mm hair pin. Secure using the 3/8" linch pin (fig.1, item 3) (with flat side) provided.

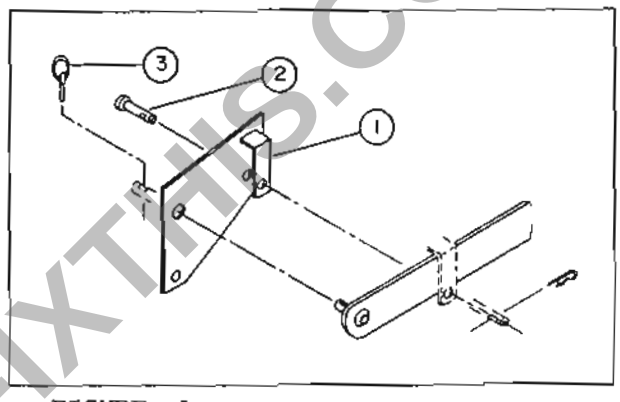


FIGURE 1

c) At front end of tractor frame, install a front support bracket (fig.2, item 1) on each side using three 12mm x 30mm bolts (fig.2, item 2) and lockwashers for each bracket. Do not tighten.

d) Install U-shaped bracket (fig.2, item 3) between front support brackets using two 1/2" x 1 1/2" bolts (fig.2, item 4), lockwashers and nuts in lower hole positions. Secure upper section according to your tractor model as follows:

- B1550 & B1750: Use two 1/2" x 2" bolts (fig.2, item 5), lockwashers and nuts in upper hole placing one end of support brace (fig.2, item 6) on inside. Secure other end of support braces inside tractor frame using two 12mm x 35mm bolts, lockwashers and nuts. Do not tighten.
- B7100: Use two 1/2" x 2" bolts (fig.2, item 5), lockwashers and nuts **without** support braces (fig.2, item 6).

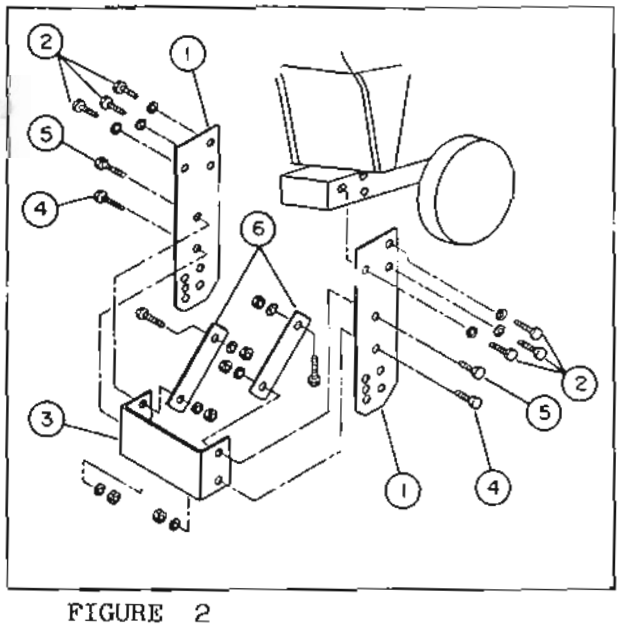


FIGURE 2

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