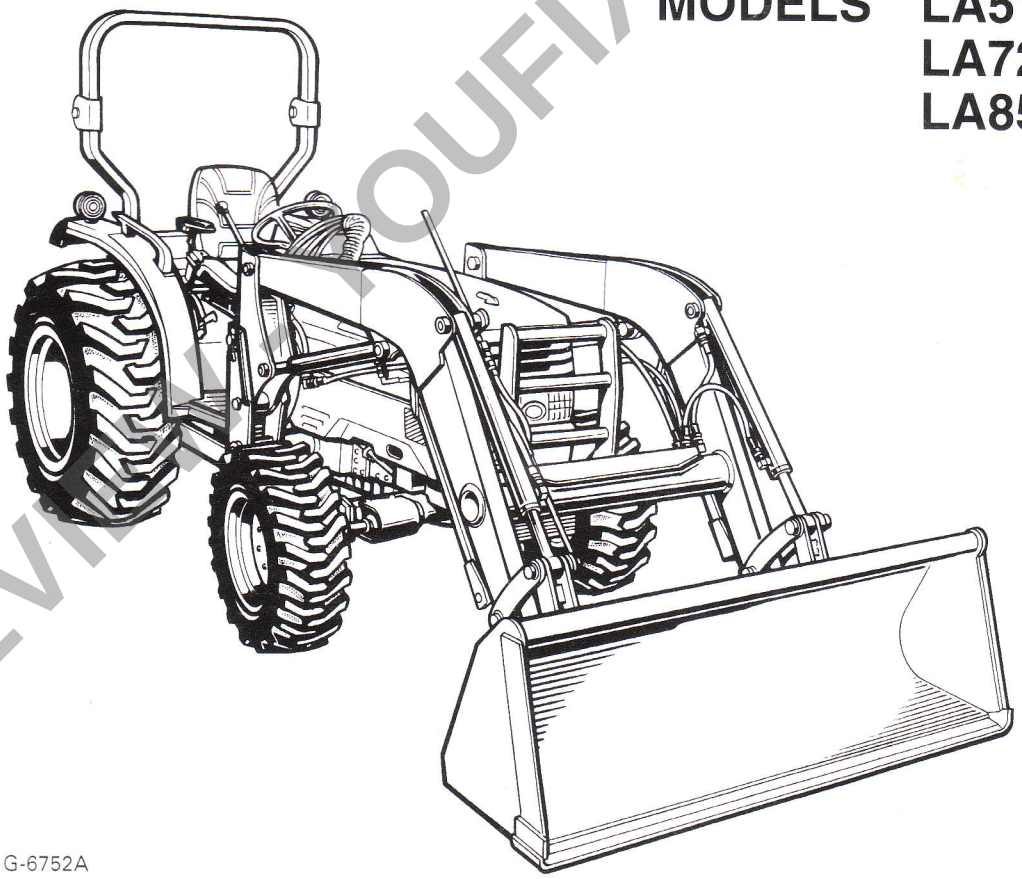
OPERATOR'S MANUAL

KUBOTA
FRONT LOADER

MODELS LA513
LA723
LA853



G-6752A

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Kubota

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SAFE OPERATION

Most loader equipment accidents can be avoided by following simple safety precautions.
These safety precautions, if followed at all times, will help you operate your loader safely.

1. Read and understand both the tractor and the loader operator's manuals before using the loader.
   Lack of knowledge can lead to accidents.
2. For your safety, ROPS with a seat belt is strongly recommended by KUBOTA in almost all applications.
   If your tractor has a foldable ROPS, fold it down only when absolutely necessary and fold it up and lock it again as soon as possible. Do not wear the seat belt when the foldable ROPS is down or the fixed ROPS is removed. If you have any questions consult your local KUBOTA Dealer.
   Always use seat belt when the tractor is equipped with a ROPS. Never use the seat belt when the tractor is not equipped with a ROPS.
3. Do not lift or carry anybody on the loader, bucket or attachment.
4. Never allow anyone to get under the loader bucket or reach through the boom when the bucket is raised.
5. Do not walk or work under a raised loader bucket or attachment unless it is securely blocked and held in position.
6. Do not use the loader as a Jack to support the tractor for servicing and maintenance.
   Securely support tractor or any machine elements with stands or suitable blocking before working underneath.
   For your safety, do not work under any hydraulically supported devices. They can settle, suddenly leak down, or be accidently lowered.
7. When operating on a slope, always operate up and down the slope, never across the slope.
8. Operate the loader from the tractor seat only.
9. For tractor stability and operator's safety, rear ballast must be added to the 3-point hitch and to the rear wheels.
10. To increase stability adjust the rear wheels to the widest setting that is suitable for your application.
11. Move and turn the tractor at low speeds.
12. Carry loader boom at a low position during transport. (You should be able to see over the bucket.)
13. Exercise extra caution when operating the loader with a raised bucket or attachment.
14. Avoid loose fill, rocks and holes. They can be dangerous for loader operation or movement.
15. Be extra careful when working on inclines.
16. Avoid overhead wires and obstacles when loader is raised. Contacting electric lines can cause electrocution.
17. Allow for the loader length when making turns.
18. Gradually stop the loader boom when lowering or lifting.
19. Use caution when handling loose or shiftable loads.
20. When loader work has been completed, lower the loader boom to the ground, stop the engine, remove the key and lock the brakes before leaving the tractor seat.
21. Do not remove loader from tractor without approved bucket attached.
22. Make sure the parked loader is on stands and on a hard, level surface.
23. Operate the loader controls only when properly seated at the controls.
24. Visually check for hydraulic leaks and broken, missing, or malfunctioning parts.
    Make necessary repairs before operation.
25. Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Do not use hands to search for suspected leaks. If injured by escaping fluid, obtain medical treatment immediately.
26. Before disconnecting hydraulic lines, relieve all hydraulic pressure.
27. Do not tamper with the relief valve setting. The relief valve is pre-set at the factory. Changing the setting can cause overloading of the loader and tractor which may result in a serious personal injury.
28. Using loaders for handling large heavy objects, such as large round or rectangular bales, logs and oil drums is not recommended.
29. Handling large heavy objects can be extremely dangerous due to :
    - Danger of rolling the tractor over.
    - Danger of upending the tractor.
    - Danger of the object rolling or sliding down the loader boom onto the operator.
30. If you must perform this sort of work (item 29), protect yourself by :
    - Never lift the load higher than necessary to clear the ground.
    - Adding rear ballast to the tractor to compensate for the load.
    - Never lift large object with equipment that may permit it to roll back onto the operator.
    - Moving slowly and carefully, avoiding rough terrain.
31. It is the owner's responsibility to be certain anyone operating the loader read this manual first to be aware of the safe way of operating the loader.
32. Always wear safety goggles when servicing or repairing the machine.
33. When servicing or replacing pins in cylinder ends, bucket, etc., always use a brass drift and hammer. Failure to do so could result in injury from flying metal fragments.

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SPECIFICATIONS

SUITABLE TRACTOR

LA513:L3130,3430
LA723:L3130,3430,3830
LA853:L4330,4630,5030

LOADER SPECIFICATIONS

LOADER MODEL		LA513	LA723	LA853
TRACTOR MODEL		L3130,3430	L3130,3430,3830	L4330,4630,5030
WHEEL BASE(WB)	mm (in)	1805 (71.1)	1805-1840 (71.1-72.4)	1895-1915 (74.6-75.4)
FRONT TIRES		7.2-16	8.3-16	9.5-16
REAR TIRES		12.4-24	14.9-24	14.9-26
BOOM CYLINDER	BORE mm (in)	45(1.77)	50(1.97)	60(2.36)
	STROKE mm (in)	476(18.7)	502(19.8)	496(19.5)
BUCKET CYLINDER	BORE mm (in)	45(1.77)	50(1.97)	55(2.17)
	STROKE mm (in)	476(18.7)	465(18.3)	469(18.5)
CONTROL VALVE		One Detent Float Position, Power Beyond Circuit		
RATED FLOW	L/m (GPM)	31.5(8.3)		37(9.8)
MAXIMUM PRESSURE	MPa (kg/cm^2,psi)	185(2630)		
NET WEIGHT(APPROXIMATE)	kg (lbs.)	390(860)	480(1058)	525(1157)

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OPERATING THE LOADER

The loader should be operated with the tractor engine speed depending on the application and the operator's level of experience. Excessive speeds are dangerous, and may cause bucket spillage and unnecessary strain on the tractor and loader.

When operating in temperatures below -1 ℃ (30 ℉), run the tractor engine below 1200 rpm until the oil temperature exceeds -1 ℃ (30 ℉).

The following text and illustrations offer suggested loader and tractor operating techniques.

CAUTION

To reduce the possibility of roll over:

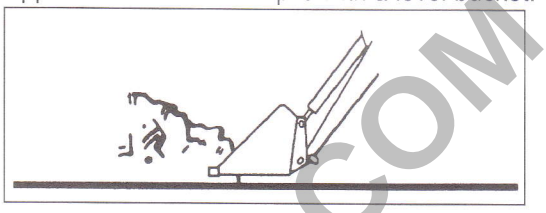
- **It is not recommended that the loader be attached when operating another implement on a hillside.**

IMPORTANT :

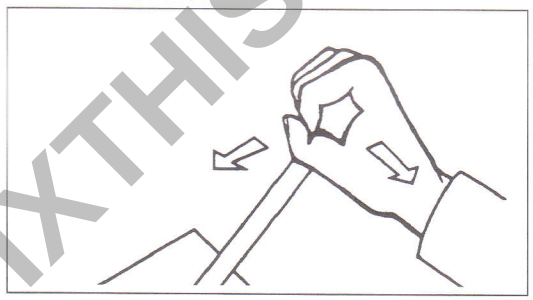
- **When operating the loader in rough terrain, remove the mower to avoid damage to the mower.**

FILLING THE BUCKET

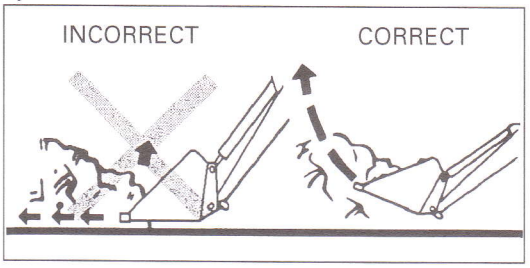
Approach and enter the pile with a level bucket.



Ease control lever toward you and then back to rollback and lift the bucket.



The rollback and lifting of the bucket will increase efficiency because a level bucket throughout the lifting cycle resists bucket lift and increases breakaway effort.



NOTE :

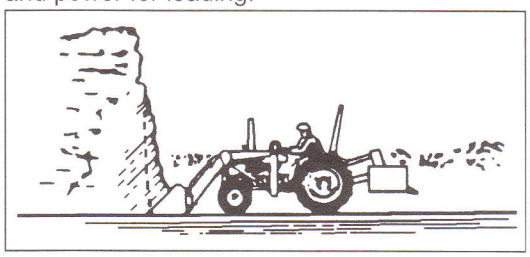
- Do not be concerned if the bucket is not completely filled during each pass. Maximum productivity is determined by the amount of material loaded in a given period of time. Time is lost if two or more attempts are made to fill the bucket on each pass.

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LOADING FROM A BANK

Choose a forward gear that provides a safe ground speed and power for loading.



WARNING

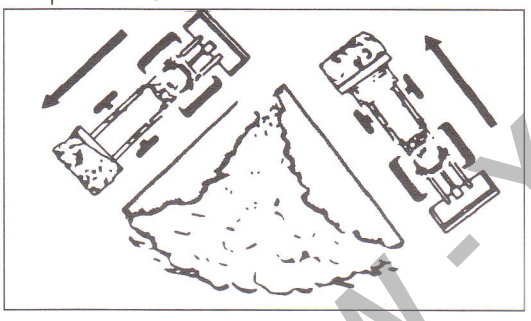
To avoid serious personal injury:

- **Be extra careful when working on inclines.**
- **When operating on a slope, always operate up and down the slope, never across the slope.**

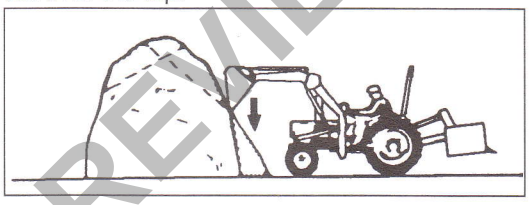
NOTE :

- Loader lift and break-away capacity diminish as loading height is increased.

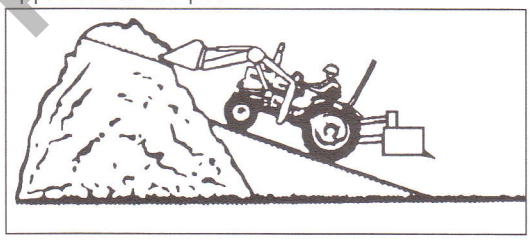
Side cutting is a good technique for cutting down a big pile. Wheel width should not exceed the bucket width for this procedure.



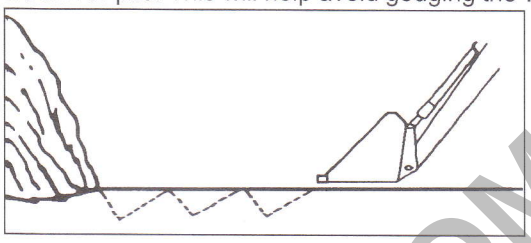
If the pile sides are too high and liable to cause cave-in, use the loader to break down the sides until a slot can be cut over the top.



Another method for large dirt piles is to build a ramp to approach to the pile.



It is important to keep the bucket level when approaching a bank or pile. This will help avoid gouging the work area.

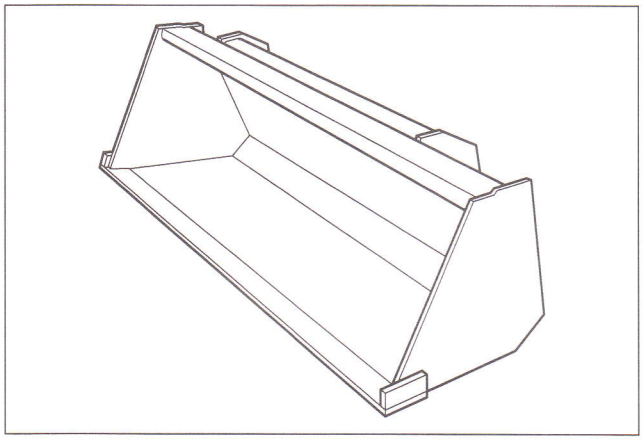


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ATTACHMENTS

■Quick bucket



-SQUARE 66"
WIDTH
1675mm (66in.)
STRUCK CAPACITY
0.23 cu.m. (8.1cu.ft.)
APPLICABLE LOADER MODEL
LA513,LA723,LA853

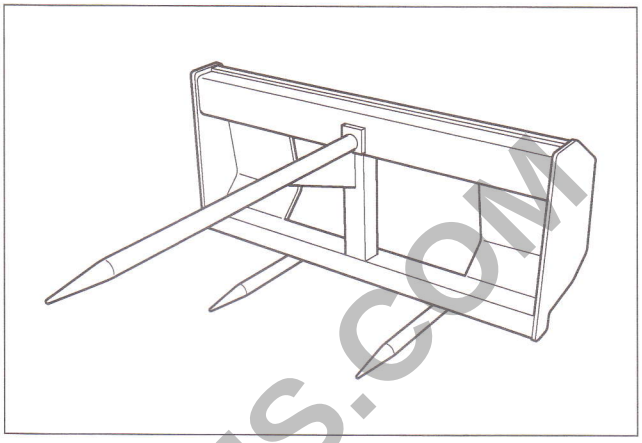
-ROUND 66" HD
WIDTH
1675mm (66in.)
STRUCK CAPACITY
0.23 cu.m. (8.1cu.ft.)
APPLICABLE LOADER MODEL
LA513,LA723,LA853

-SQUARE 72"
WIDTH
1830mm (72in.)
STRUCK CAPACITY
0.31cu.m. (10.9cu.ft.)
APPLICABLE LOADER MODEL
LA723,LA853

-ROUND 72"HD
WIDTH
1830mm (72in.)
0.31cu.m. (10.9cu.ft.)
STRUCK CAPACITY
APPLICABLE LOADER MODEL
LA723,LA853

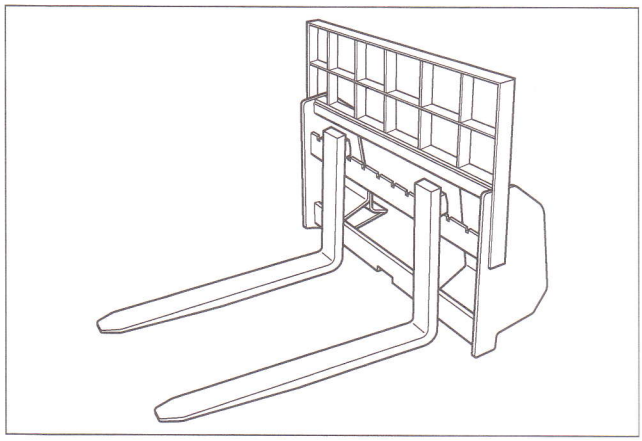
-SQUARE 72" LIGHT MATERIAL
WIDTH
1830mm (72in.)
STRUCK CAPACITY
0.36cu.m. (12.7cu.ft)
APPLICABLE LOADER MODEL
LA513,LA723,LA853

■Bale spear



OVERALL HEIGHT
524mm (20.63in.)
OVERALL WIDTH
1149mm (45.24in.)
OVERALL LENGTH (INCLUDING MAIN SPEAR)
1376mm (54.17in.)
USEABLE LENGTH OF MAIN SPEAR
1008mm (39.69in.)
USEABLE LENGTH OF SPEAR 2
356mm (14.02in.)
MAXIMUM DIAMETER OF MAIN SPEAR
51mm (2.00in.)
DIAMETER OF SPEAR 2
32mm (1 1/4in.)
WEIGHT OF IMPLEMENT
74kg (163lbs)

■Pallet fork



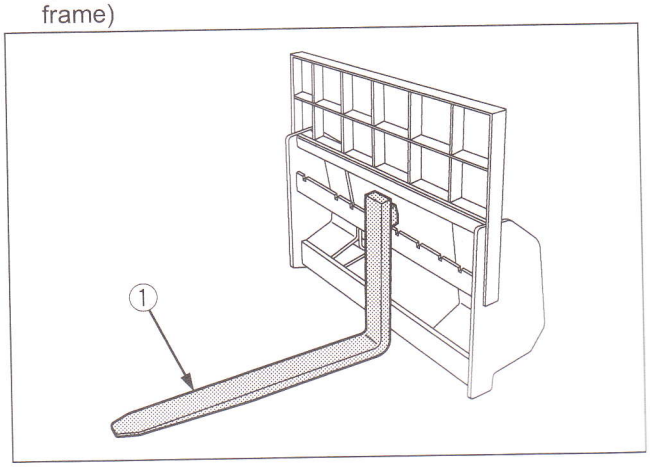
LOADER MODEL	RATED CAPACITY
LA513	800LBS.
LA723	1000 LBS.
LA853	1300 LBS.

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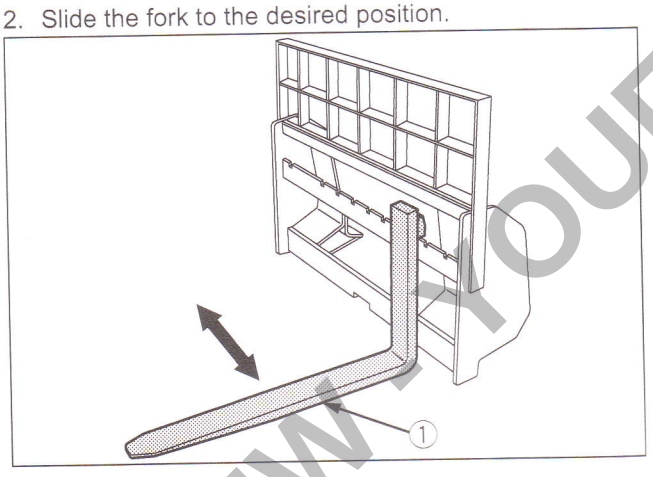
ASSEMBLE PALLET FORK

1. Install the fork to the middle of the frame.
   (fit the lower hook of the fork to the center notch of the frame)



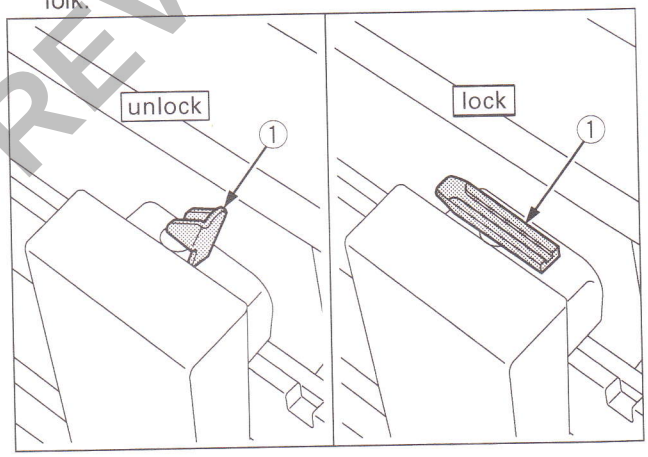
(1)Fork

2. Slide the fork to the desired position.



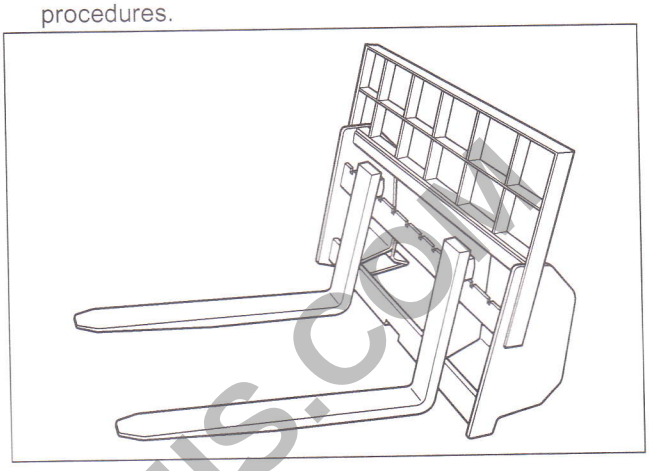
(1)Fork

3. Push the lock lever and slide the fork slightly until the lock pin engages with one of the notches to lock the folk.



(1)Lock lever

4. The other fork can be installed by the same procedures.



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