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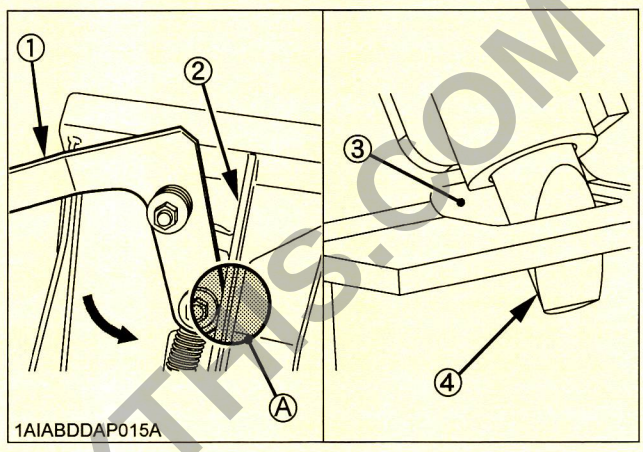
⚠ SAFE OPERATION

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. BEFORE OPERATING THE LOADER

1. Read and understand all instructions and precautions found in both the tractor and the loader operator's manuals before using the loader.
   Lack of knowledge can lead to accidents.
2. It is the owner's responsibility to ensure that anyone who will operate the loader reads this manual first and becomes familiar with the safe operation of the loader.
3. For your safety, a 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 raise it up and lock it again as soon as possible. Do not wear the seat belt when a foldable ROPS is down or a fixed ROPS is removed. If you have any questions, consult your local KUBOTA dealer.
   Always use the seat belt when the tractor is equipped with a ROPS. Never use the seat belt when the tractor is not equipped with a ROPS.
4. Visually check for hydraulic leaks and broken, missing, or malfunctioning parts.
   Make necessary repairs before operating.
5. Replace damaged or illegible safety labels. See following pages for required labels.
6. When the front loader is mounted on the tractor, enter and exit the operator's seat only from left side of the tractor.
7. Engage the loader control valve lock to prevent accidental actuation when the implement is not in use or during transport. Do not utilize the valve lock for machine maintenance or repair.
8. Assemble, remove and reinstall the loader only as directed in this manual. Failure to do this could result in serious personal injury or death.
9. Follow the precautions below when attaching attachments.

- Make sure both handles (LH, RH) contact the ear plates at the points (A) and are all the way down.
- Make sure both lock pins (LH, RH) protrude through the pin slots.
- Kubota recommends the use of Kubota attachments on Kubota loaders. Non-Kubota attachments, if used, must comply with ISO 24410, first edition 2005-04-15.
- Use of a non-Kubota attachment that does not comply with ISO 24410 or the improper positioning of handle(s) or non-protrusion of pin(s) may result in detachment of the attachment or deformation, causing loss of performance, personal injury or death.



(1) Handle
(2) Ear plate
(3) Pin slot
(4) Lock pin

(A) The handle contacts the ear plate at the points.

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SPECIFICATIONS

SUITABLE TRACTOR

LA434: B2301, B2601

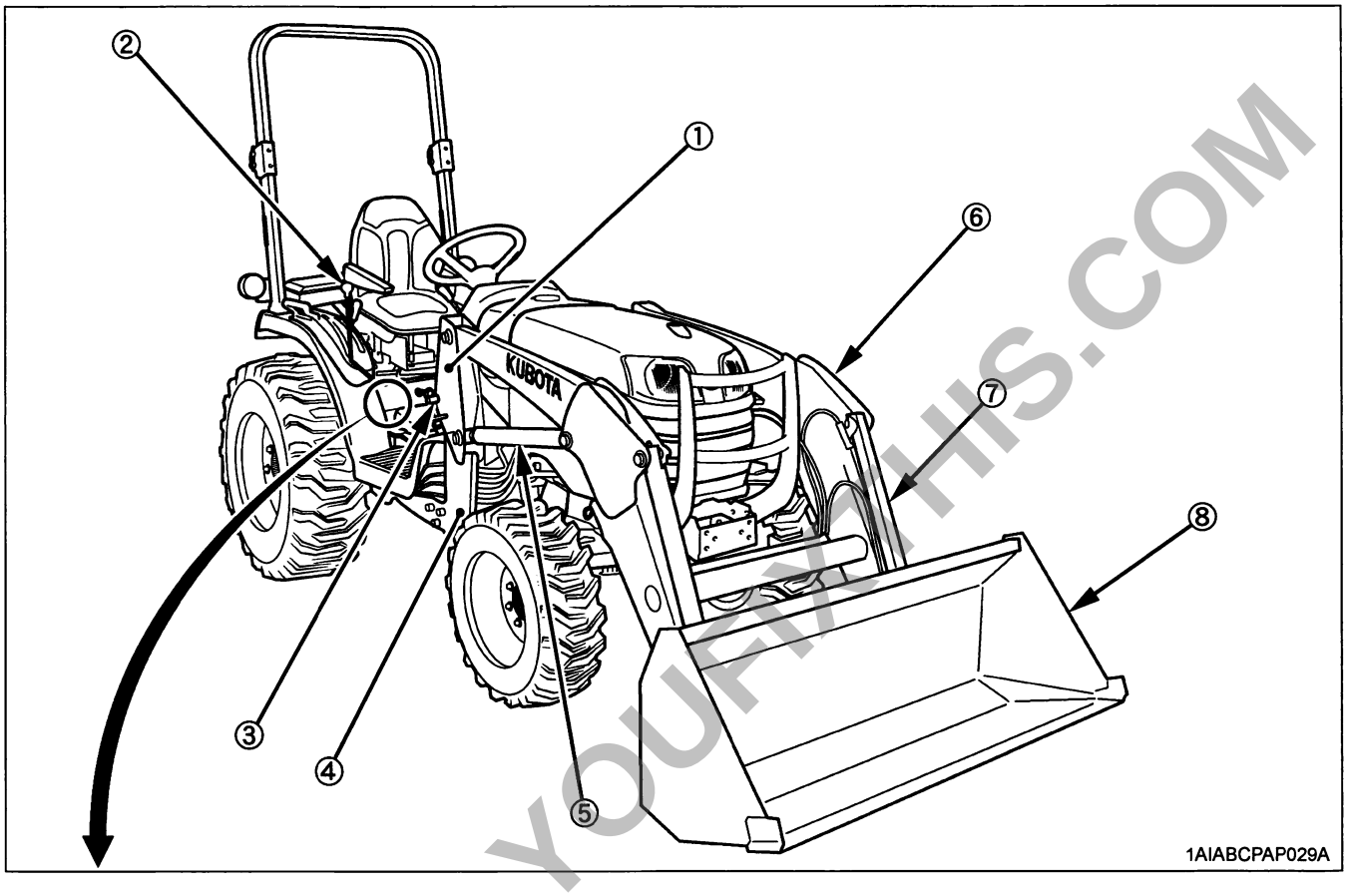
LOADER SPECIFICATIONS

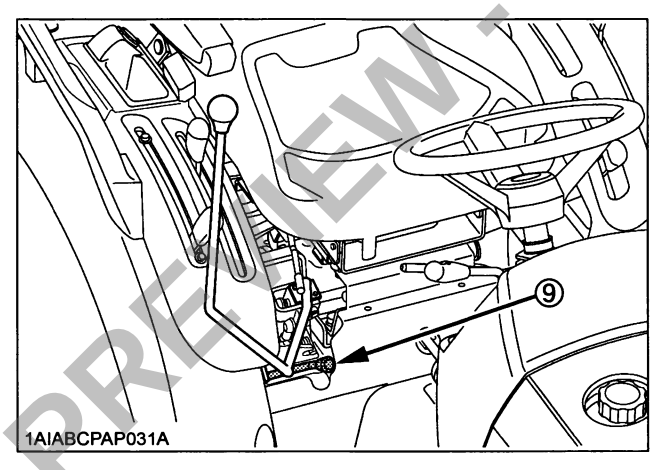
LOADER MODEL		**LA434**
TRACTOR MODEL		B2301, B2601
WHEEL BASE (WB)	mm (in.)	1563 (61.5)
FRONT TIRES		7-12
REAR TIRES		11.2-16
BOOM CYLINDER	BORE mm (in.)	45 (1.77)
	STROKE mm (in.)	349 (13.7)
BUCKET CYLINDER	BORE mm (in.)	45 (1.77)
	STROKE mm (in.)	336 (13.2)
CONTROL VALVE		One Detent Float Position, Two Stage Bucket Dump, Power Beyond Circuit
RATED FLOW	L/min (GPM)	17.9 (4.7)
MAXIMUM PRESSURE	MPa (kg/cm², psi)	13.8 (141, 2000)
NET WEIGHT (APPROXIMATE)	kg (lbs.)	208 (459)

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LOADER TERMINOLOGY





(1) Side frame
(2) Loader control lever
(3) Mounting pin
(4) Main frame
(5) Boom cylinder
(6) Boom
(7) Bucket cylinder
(8) Bucket
(9) Lock lever

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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.

WARNING

To reduce the possibility of roll over:

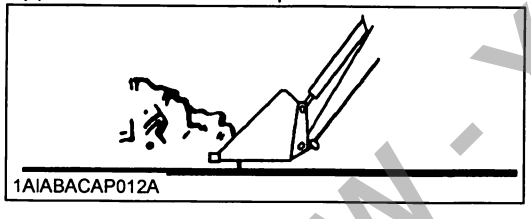
- **It is not recommended that the loader be attached when operating another implement on a hillside.**

IMPORTANT :

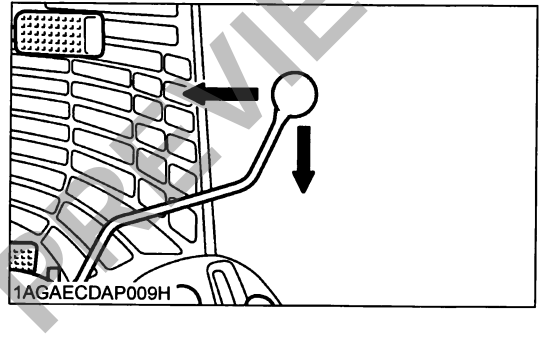
- Before operating the loader in rough terrain, remove the mower to avoid damage to the mower.

FILLING THE BUCKET

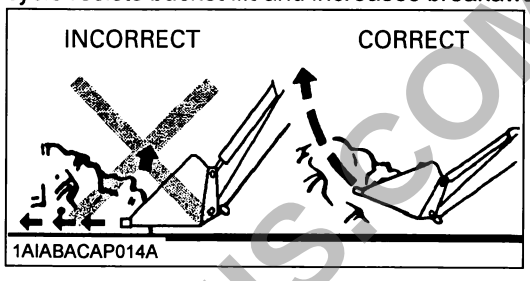
Approach and enter the pile with a level bucket.



Ease control lever toward you and then left 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.

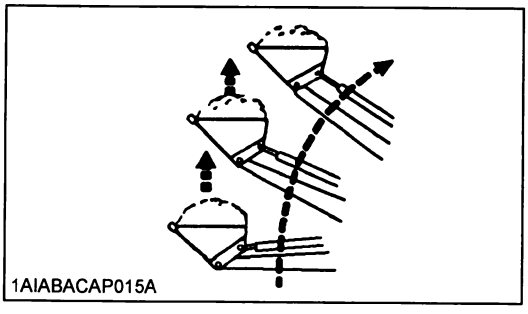


NOTE :

- 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.

LIFTING THE LOAD

When lifting the load, keep the bucket positioned to avoid spillage.



WARNING

To avoid serious personal injury:

- **Do not attempt to lift bucket loads in excess of the loader capacity.**
- **Before raising the bucket to full height, make sure the tractor is on level ground. If not, it may tip over, even if the tractor is not moving.**

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ATTACHING ATTACHMENTS

This quick attach coupler is designed to be used with Kubota attachments. Non-Kubota attachments, if used, must comply with ISO 24410, first edition 2005-04-15. This quick attach coupler allows the operator to change easily without the use of tools.

DANGER

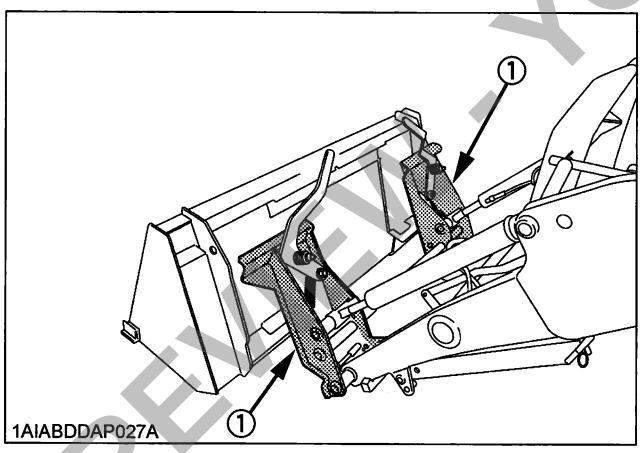
To avoid serious personal injury or death:

- **Use of a non-Kubota attachment that does not comply with ISO24410 or the improper positioning of handle(s) or non-protrusion of pin(s) may result in detachment of the attachment or deformation, causing loss of performance, personal injury or death.**

NOTE :

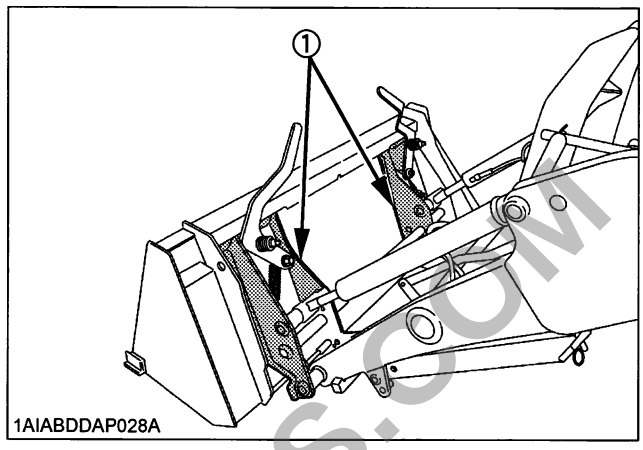
- Attachments should be located on a flat, firm surface when attaching and detaching them from the quick attach coupler.

1. To mount an attachment, pull the handles of the quick attach coupler latching pins to the unlatched position. The quick attach coupler handles must be all the way up to ensure that the latching pins are fully retracted.
2. Position the tractor squarely in front of the attachment and tilt the quick attach coupler forward with the bucket cylinders.



(1) Quick attach coupler

3. Ease the quick attach coupler mounting plate into the saddle of the attachment.
4. Roll the quick attach coupler back using the bucket cylinders and raise the boom slightly. The back of the attachment should rest against the front of the quick attach coupler mounting plate and the weight of the attachment should be supported by the loader.



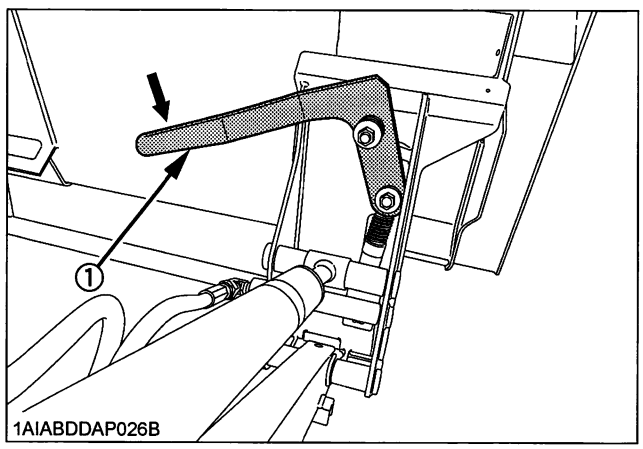
(1) Quick attach coupler

WARNING

To avoid serious injury or machine damage:

- **Raise the boom only enough to latch the attachment.**
  The attachment could swing off the quick attach coupler.

5. When the attachment is properly seated in the saddle and against the front of the quick attach coupler mounting plate, turn off the engine and set the parking brake. Push the quick attach coupler handles to the fully latched position. Verify both latching pins are completely engaged in the base of the attachment.



(1) Quick attach coupler handle

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MAINTENANCE

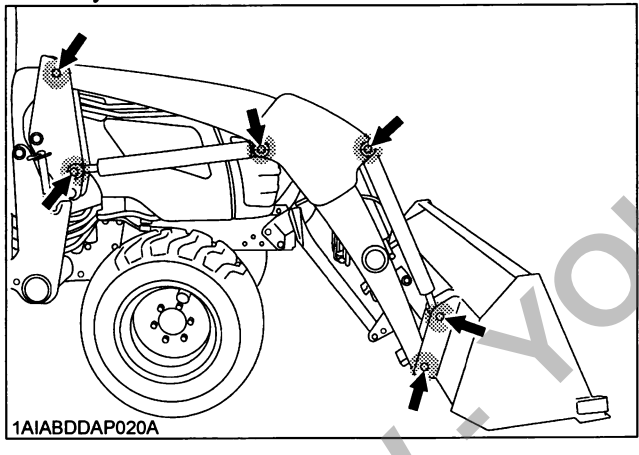
WARNING

To avoid serious injury:

- **Be sure to check and service the tractor on a flat surface with the bucket on the ground, engine shut off, the key removed and the parking brake on.**

LUBRICATION

1. Lubricate all grease fittings every 10 hours of operation. Also, lubricate joints of control lever linkage every 10 hours. High quality grease designating "extreme pressure" and containing Molybdenum disulfide is recommended. This grease may specify "Moly EP" on its label.



2. Daily before operation, check the tractor hydraulic fluid level. If low, add as described in the tractor's operator's manual. Also change the filter element and the hydraulic fluid as recommended in the tractor's operator's manual.

RE-TIGHTENING OF HARDWARE

After 20 to 30 hours of initial loader operation, re-tighten all mounting bolts and nuts to the required torque value as follows.

Sequence	Location	Bolt/Nut	Required Torque N-m (kgf-m) [ft-lbs]
1	Main frames (Front axle frame)	M14 bolts	150 (15.3) [111]
		M12 bolts (pitch 1.75)	80.0 (8.2) [59.0]
2	Main frame (Clutch housing)	M12 bolts (pitch 1.75)	80.0 (8.2) [59.0]
3	Main frames (Center frame)	M14 bolts	150 (15.3) [111]

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EVERY 50 HOURS

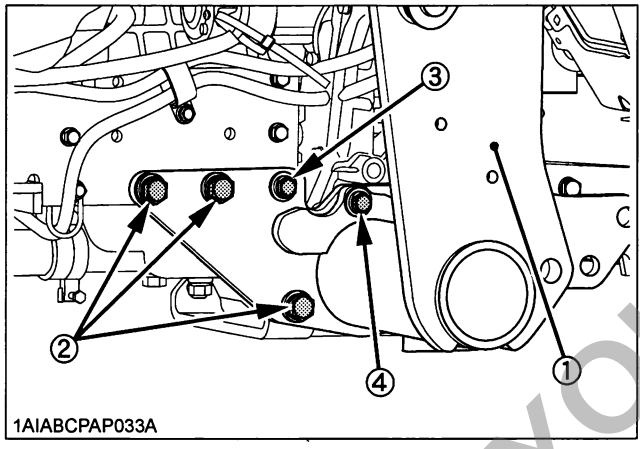
■Checking main frame bolt and nut torque

WARNING

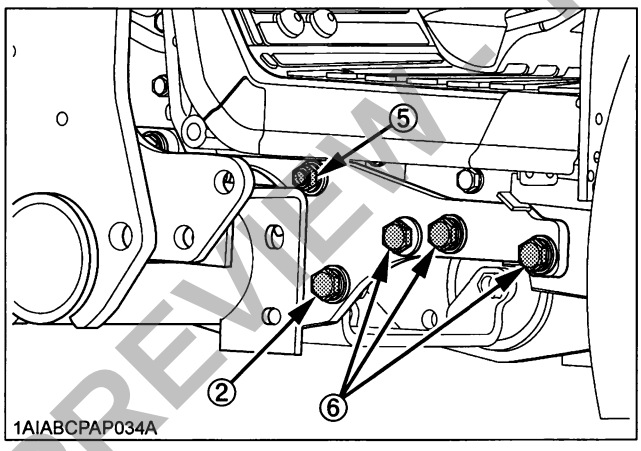
To avoid serious injury:

- **Never operate front loader with a loose main frame.**
- **Any time bolts and nuts are loosened, retighten to specified torque.**
- **Check all bolts and nuts frequently and keep them tight.**

Check main frame bolts and nuts regularly especially when new. If they are loose, tighten them as follows.



1AIABCPAP033A



1AIABCPAP034A

(1) Main frame
(2) M14 bolts
Tightening torque : 150 N-m (15.1 kgf-m, 110 ft-lbs)
(3) M12 bolts (pitch 1.75)
Tightening torque : 90 N-m (9.2 kgf-m, 66.5 ft-lbs)
(4) M12 bolts
Tightening torque : 80 N-m (8.1 kgf-m, 59 ft-lbs)
(5) M12 nuts
Tightening torque : 90 N-m (9.2 kgf-m, 66.5 ft-lbs)
(6) M14 bolts
Tightening torque : 150 N-m (15.1 kgf-m, 110 ft-lbs)

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