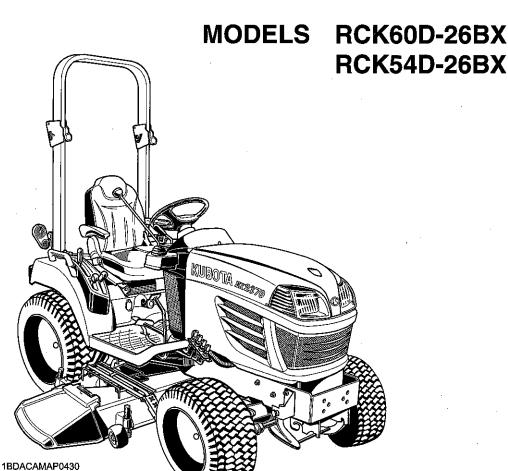
OPERATOR'S MANUAL

KUBOTA ROTARY MOWER



READ AND SAVE THIS MANUAL

Kubota

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SAFE OPERATION

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

■ Before operation (Pre-operation)

Operator

- 1. Do not operate the machine while under the influence of alcohol, medication, other substances or while fatiqued.
- 2. Be thoroughly familiar with the controls and learn how to stop quickly in an emergency. Know your equipment and its limitations.
- 3. Do not wear loose, torn, or bulky clothing around machine. The clothing may catch on moving parts or controls, leading to the risk of accident.
 - Wear and use any additional safety items such as hard hat, safety boots or shoes, eye and hearing protection, gloves, etc., as appropriate or required.
- 4. Never allow children to operate the mower, even under adult supervision.
- 5. Read and understand this manual and the tractor operator's manual before operating mower. Allow only a properly trained person to operate the tractor.

Machine, blades and equipment

- 1. Never operate the mower without proper guards, shields, and the grass catcher bag or discharge deflector in place.
- 2. The mower is equipped with many safety devices. Do not alter or remove any part of safety system for vour safety.
- 3. Keep all nuts, bolts and screws tight to be sure the mower is in safe working condition.
- 4. Check the blade bolts at frequent intervals for proper tightness.
- 5. Inspect the blades for wear and damage. A dull blade can be sharpened, but a blade that is worn out, bent, cracked, or otherwise damaged must be replaced.
- 6. KUBOTA recommends the use of ROPS and seat belt in almost all applications.
 - 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.
- 7. When using the mower, detach the backhoe beforehand, if so equipped. Otherwise the machine may get damaged during operation.
- 8. Replace damaged or illegible safety decals. See next page for required labels.

- 9. Ensure the mower deck is set up appropriately for attachment.
- 10. When attaching drive over deck, remove front and rear attachment. Adjust the anti-scalp rollers, unlock lever and lift rear roller, extend the front and rear ramps, adjust frame link and cutting height, check the universal joint, drive over the ramp and lock all pins. (See "MOUNTING TO THE TRACTOR" section for detail.)

Working area

- 1. Thoroughly inspect the area where the mower is to be
 - Remove all stones, sticks, wires, bones and other objects that could be thrown at high speed.
- 2. Keep the area of operation clear of all persons, particularly small children, and pets.
 - All people and pets should be kept at a safe distance from the work area.

Operation

Starting

- 1. Never start the engine or operate levers from anywhere other than the seat.
- 2. Before starting the engine, make sure that all levers (including auxiliary control levers) are in their "NEUTRAL" positions, that the parking brake is engaged, and that both the PTO clutch lever and the range gear shift lever (Hi-Lo) are disengaged.

Operation

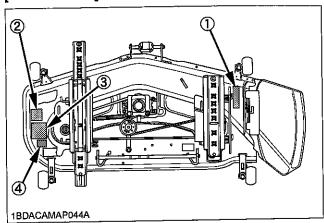
- 1. Keep bystanders at a safe distance from the machine during mowing operations.
- 2. Do not stand on the mower.
- 3. While making turns in rough terrain, reduce tractor speed.
- 4. Do not mow while in reverse unless absolutely necessary and then only after inspecting of the entire area behind the mower.
 - Be extra careful of children.
- 5. Upon striking a foreign object, stop and inspect the tractor and the mower for damage. Repair the damage before resuming operation.
- 6. If the mower discharge deflector becomes clogged, stop the tractor; disengage the mower drive; shut off the engine and remove the key, and clean out the deflector before continuing.
- 7. Hillside operation is dangerous and is not recommended. If it is necessary to mow on a hillside, use extreme caution. Never mow across the face of a slope. Do not operate with the loader, if so equipped.
- 8. Do not mow on steep inclines, rough terrain or near drop-offs.

■ Maintenance and Storage

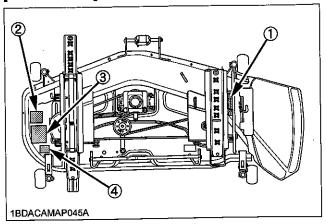
Never attempt to make adjustments or repairs of any kind while the tractor and mower are running. Shut off the engine, remove the key, set the parking brake and allow the blades to stop.

DANGER, WARNING AND CAUTION LABELS

[RCK60D-26BX]



[RCK54D-26BX]

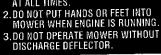


(1) Part No. K5112-7311-2



DANGER

1.STAY CLEAR OF DISCHARGE OPENING AT ALL TIMES.





1BDACADAP003E

(2) Part No. K5112-7312-2



1BDACADAP004E

(3) Part No. K5384-4715-1



1BDACBLAP051A

(4) Part No. K5384-4171-1



1BDACAMAP095A

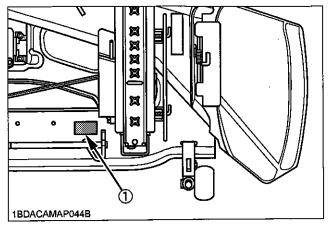
CARE OF DANGER, WARNING AND CAUTION LABELS

- 1. Keep danger, warning and caution labels clean and free from obstructing material.
- 2. Clean danger, warning and caution labels with soap and water, dry with a soft cloth.
- 3. Replace damaged or missing danger, warning and caution labels with new labels from your local KUBOTA dealer.
- 4. If a component with danger, warning or caution label (s) affixed is replaced with new part, make sure new label (s) is (are) attached in the same location (s) as the replaced component.
- 5. Mount new danger, warning and caution labels by applying on a clean dry surface and pressing any bubbles to outside

SERVICE

- 1. When in need of parts or service, give the serial number of the mower to the dealer.
- 2. The serial number is located on the right side of the deck.
- 3. For your reference, please record the serial number in the space provided.

KUBOTA MOWER	CK60D-26BX
MODEL	NOOD 240X
SERIAL NUMBER	(0776
DATE OF PURCHASE	
NAME OF DEALER	



(1) Serial number

INTRODUCTION

SPECIFICATIONS

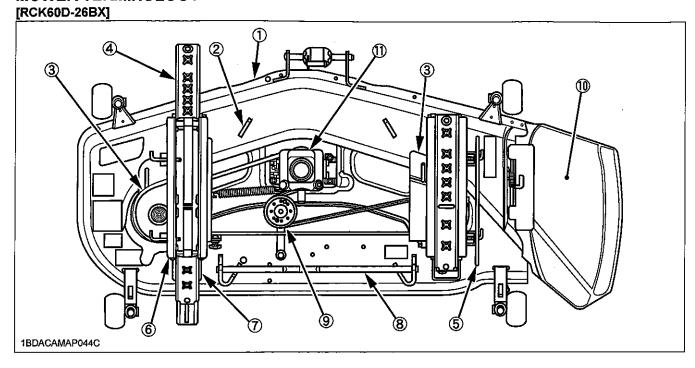
Model	RCK60D-26BX RCK54D-26				
Suitable tractor			BX2370, BX2670		
Marine me	-thad		Drive Over Quick-Joint, Parallel linkage		
Mounting me	siriod		Drive over suspended linkage		
Adjustment of	of cutting height		Dial ga	auge	
Cutting width	1	mm (in.)	1524 (60)	1372 (54)	
Cutting heigh	nt	mm (in.)	25 to 102 (1	1.0 to 4.0)	
Weight	Mower	ka (lba)	115 (250)	103 (227)	
Weight	Mower with frame link	kg (lbs.)	134 (295)	122 (269)	
Blade spindle	de spindle speed r/s (rpm) 44.1 (2647) 49.5 (49.5 (2969)		
Blade tip velo	ocity	m/s (fpm)	72.5 (14271)	73.8 (14527)	
Blade length		mm (in.)	523 (20.6)	475 (18.7)	
Number of bl	ades	•	3		
	Overall length	mm (in.)	1000 (39.4)	928 (36.5)	
Dimensions	Overall width	mm (in.)	1930 (76.0)	1780 (66.5)	
	Overall height [Min.]	mm (in.)	281 (1	1.0)	
Tire			Industrial	, Turf*	

^{*}Bar tires are prohibited from driving over mower deck.

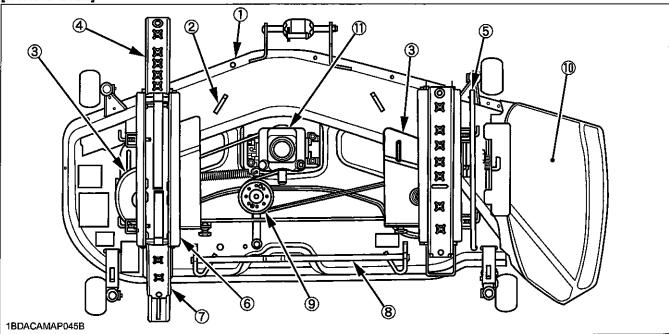
^{**}Remove the frame link when rear attachment is on.

^{***}Remove the frame link when snow chain is on.

MOWER TERMINOLOGY

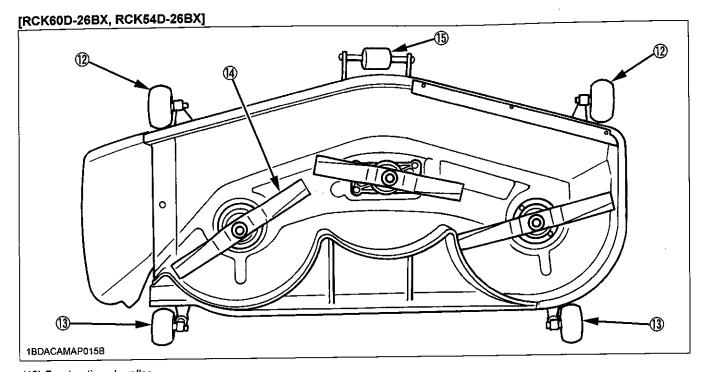




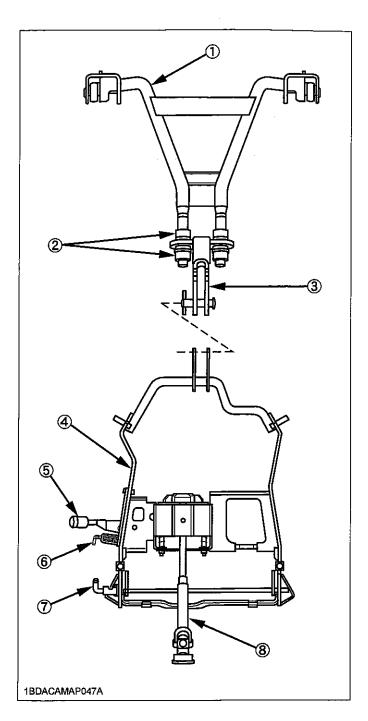


- (1) Mower deck
- (2) Front hook
- (3) Belt cover
- (4) Ramp front
- (5) Guide rail
- (6) Ramp bracket

- (7) Ramp rear (8) Rear bar
- (9) Tension pulley
- (10) Discharge deflector
- (11) Gear box



- (12) Front anti-scalp roller (13) Rear anti-scalp roller (14) Blade (15) Center anti-scalp roller



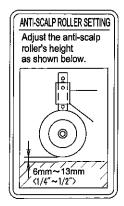
- (1) Front link
 (2) Nut
 (3) Front link joint
 (4) Frame link
 (5) Lever guide
 (6) Lever lock
 (7) Rear lock

- (8) Universal joint

IMPORTANT

To obtain maximum productivity from your mower, the following items should be read and observed.

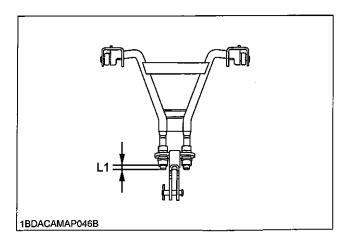
 Adjust the anti-scalp rollers and wheels according to the mowing height. Refer to the label below. This label is also affixed to the mower deck.



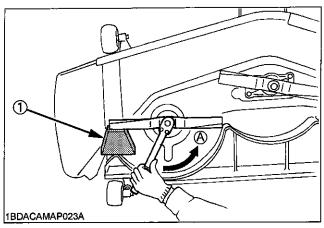
1BDACAMAP048A

 Before attaching the mower links, adjust their lengths according to the table below.
 (See "SET THE FRONT LINK AND HOOK LINK" in "SETTING UP" section.)

	Length of front link : L1
RCK60D-26BX	22 mm (0.87 in.)
RCK54D-26BX	22 11111 (0.07 111.)



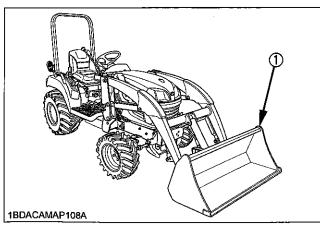
- 3. Grease the following parts.
 (See "CHECK AND MAINTENANCE"
 "MAINTENANCE" section.)
 - Universal joint
 - Three spindle shafts
 - Belt tension pulley
 - Belt tension pivot
- When necessary, remove the blades as shown. (See "BLADE REPLACEMENT" in "MAINTENANCE" section.)



(1) Block

(A) "LOOSEN" (counterclockwise)

Operating with a loader
 When operating the loader in rough terrain, remove
 the mower to avoid interference between obstacles
 and mower and consequent damage of mower.



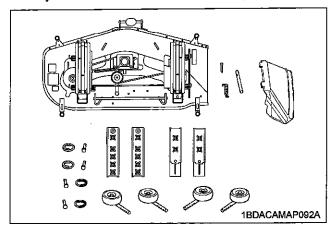
(1) Front loader

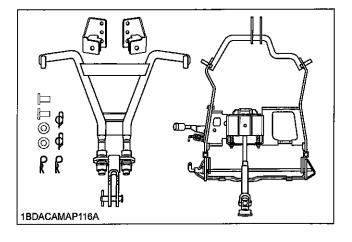
SETTING UP

Some of the mower parts were packed separately. Read the following procedure to properly assemble the mower.

PRE-ASSEMBLY

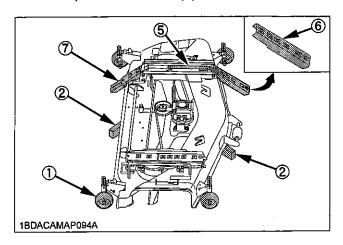
Take out all mower components from the case and check the parts as illustrated below. (Some of these parts may already be assembled to the mower deck.)

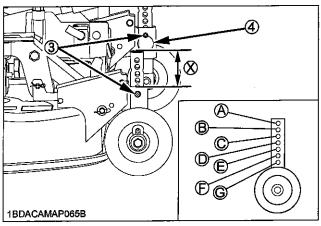




SETTING UP THE MOWER

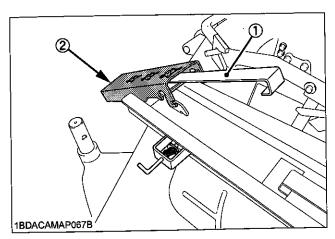
- 1. Place the mower on blocks as illustrated.
- 2. Attach all the anti-scalp rollers to the arms of the deck. Put clevis pins from outside and snap rings inside in the "F" position. 4.5 holes (X) must be visible.



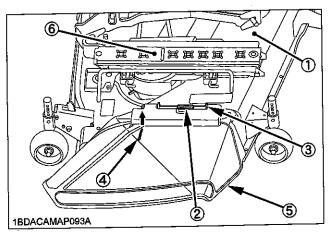


- (1) Anti-scalp roller
- (2) Block
- (3) Clevis pin
- (4) Snap ring
- (5) F spring
- (6) Ramp F
- (7) Ramp R

- Pass the spring plate through the ramp F in the direction shown in the figure. Set the ramp R as well.
- 4. Remove the blocks.



- (1) Spring plate F
- (2) Ramp F
- Attach the discharge deflector to the deck with the spring, discharge pin and cotter pin.
 Secure the spring to the discharge deflector as illustrated.



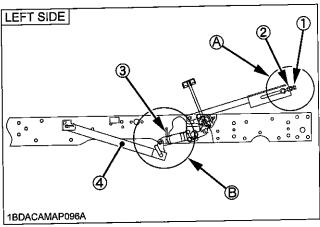
- (1) Deck
- (2) Spring
- (3) Discharge pin
- (4) Cotter pin
- (5) Discharge deflector
- (6) Ramp R

ADJUSTING THE MOWER LINKS (SIDE TO SIDE)

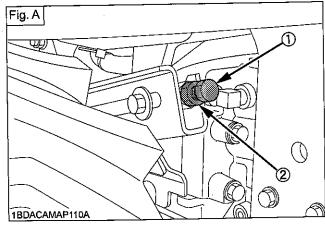
IMPORTANT:

Readjustment is necessary after following situation:

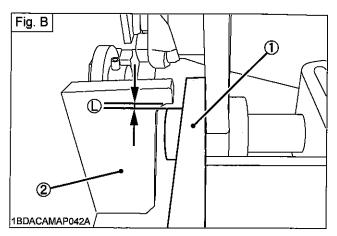
- Gear box is disassembled for maintenance.
- Attach different drive over mower deck.
- Re-attach frame link.
- 1. Park the machine on a firm, flat and level surface.
- 2. Tire pressure must be correct. (See Tractor Operator's Manual.)
- 3. Move the hydraulic control lever rearward to raise the rear link to the highest position.
- 4. Stop the engine and remove the key.
- 5. Adjust the left side rear links with bolt (1) so that the clearance (L) is as follows.



(A) Refer to Fig.A (B) Refer to Fig.B



- (1) Bolt
- (2) Lock nut
- (3) Stopper
- (4) Rear link



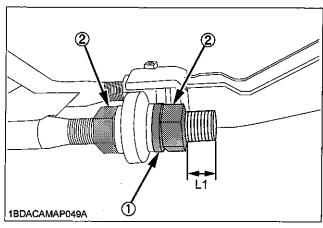
(1) Rear link

(L) 0 to 0.5 mm (0 to 0.02 in.)

(2) Stopper

SET THE FRONT LINK AND HOOK LINK

1. Adjust the screw length L1 of the front link to 22mm (0.87 in.) as shown in figure.



(1) Spring lock washer

(2) Lock nut

Tightening torque: 60 to 70 N-m

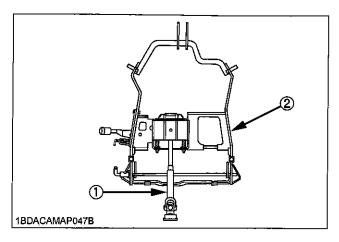
(6.2 to 7.1 kgf-m, 45 to 51 lbf-ft)

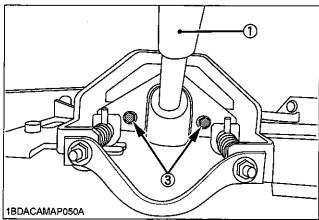
ADJUSTING THE FRAME LINK

IMPORTANT:

Readjustment is necessary after following situation:

- Gear box is disassembled for maintenance.
- Attach different drive over mower deck.
- Re-attach frame link.
- 1. Check the universal joint attached to the frame link with 2 bolts.

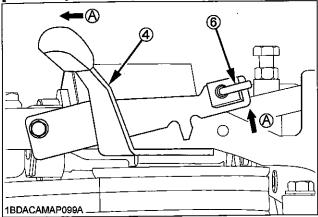


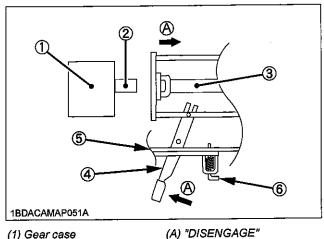


- (1) Universal joint
- (2) Frame link
- (3) Bolt

2. Attach the frame link on to the mower deck. Check if all the lever and links move smoothly.

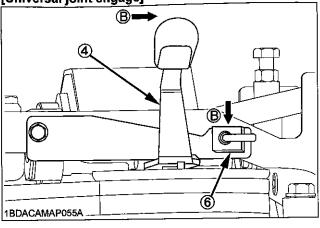
[Universal joint disengage]

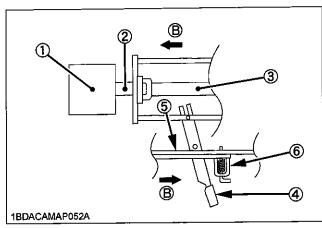




- (1) Gear case
- (2) PTO shaft
- (3) Universal joint
- (4) Lever guide
- (5) Frame link
- (6) Lever lock

[Universal joint engage]

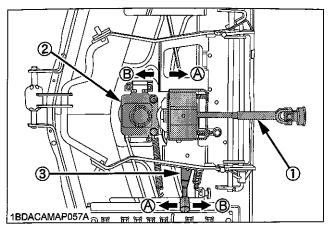




- (1) Gear case
- (2) PTO shaft
- (3) Universal joint
- (4) Lever guide
- (5) Frame link
- (6) Lever lock

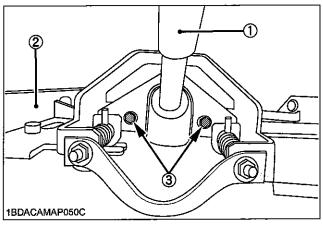
(B) "ENGAGE"

3. Make sure that the universal joint engages/disengage with the gear case smoothly by using the lever. If not, adjust the universal joint position.



- (1) Universal joint
- (2) Gear case
- (3) Lever

- (A) "DISENGAGE"
- (B) "ENGAGE"

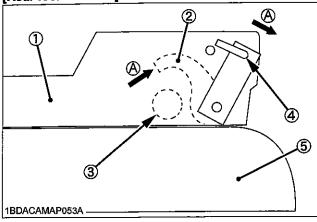


- (1) Universal joint
- (2) Frame link
- (3) Bolt

NOTE:

 When adjusting the universal joint position, loosen the bolts in step 1. Align the universal joint and the gear case and tighten the bolts. 4. Check function of rear lock.

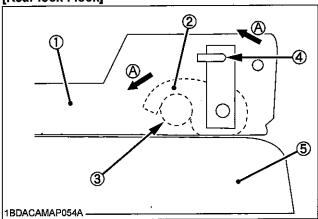
[Rear lock : unlock]



- (1) Frame link
- (A) "UNLOCK"

- (2) Lock
- (3) Rear bar (weld on mower)
- (4) Pin
- (5) Mower

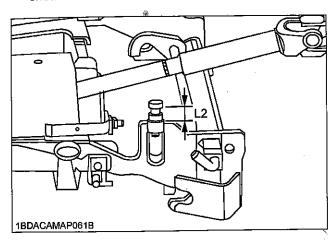
[Rear lock : lock]



(A) "LOCK"

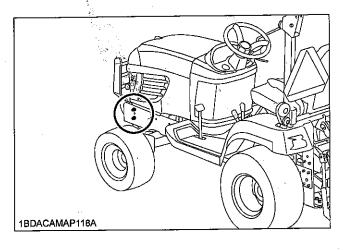
- (1) Frame link
- (2) Lock
- (3) Rear bar (weld on mower)
- (4) Pin
- (5) Mower

5. Set the bolt length L2 of link arm to 22mm (0.87 in) as shown below.



ATTACHING FRONT LINK TO THE **TRACTOR**

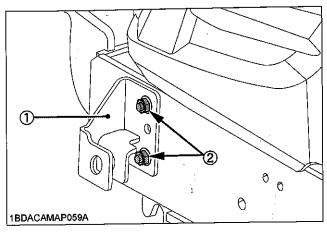
- 1. Place front link and frame link under the tractor.
- 2. Attach the stay link with the nut on the tractor front frame.
- 3. Hold the bolt head when you tighten the nut.





To avoid personal injury:

 Attach the stay link left and right. Do not loosen both left and right side nuts at the same time.

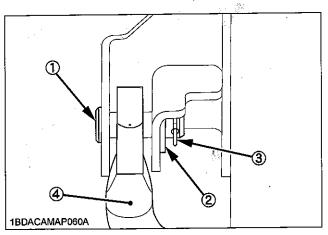


- (1) Stay link
- (2) Nut

Tightening torque: 43.3 to 50.3 N-m

(4.4 to 5.1 kgf-m, 32 to 37 lbf-ft)

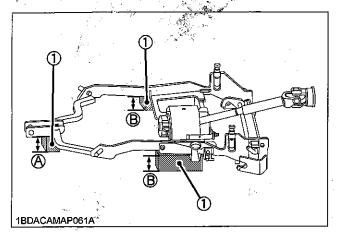
4. Attach the front link to the stay link with the joint pin, washer and snap pin.



- (1) Joint pin
- (2) Washer
- (3) Snap pin
- (4) Front link

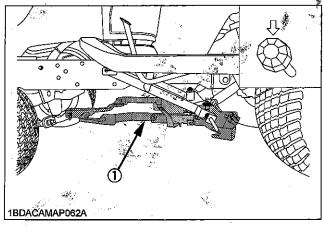
ATTACHING THE FRAME LINK

 Place blocks below the frame link if one person does the setting. Heights of blocks are recommended value for attaching.

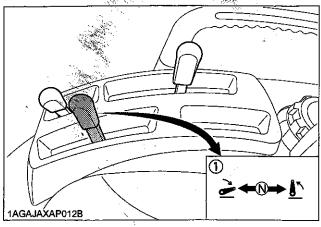


(1) Block

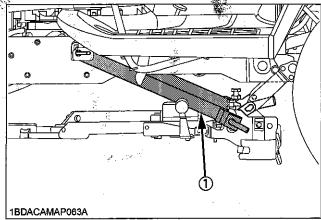
- (A) 160mm (6.3 in.)
- (B) 120mm (4.7 in.)
- Start engine. Set the cutting height to 0" and lower the frame link. Then stop the engine.

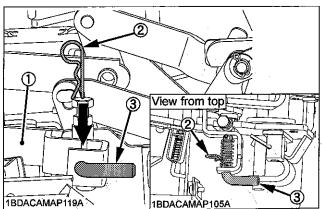


(1) Frame link



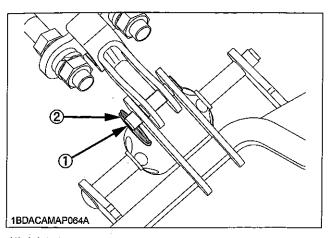
- (1) Hydraulic control lever
- 3. Attach the frame link to the link arm.
 Attach the snap pin to the L-pin.



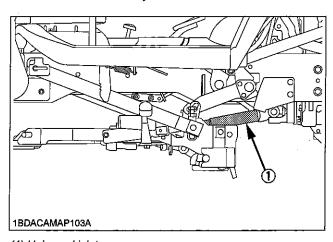


(1) Link arm (2)Snap pin (3)L-pin

4. Joint the front link and frame link with joint pin and coil



- (1) Joint pin (2) Coil ring
- 5. Attach the universal joint to tractor.



(1) Universal joint

MOUNTING TO THE TRACTOR

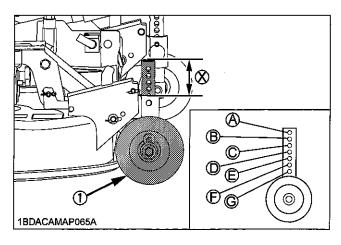
MOUNTING THE MOWER TO THE TRACTOR



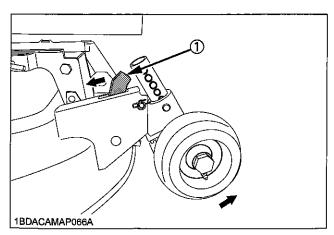
WARNING

To avoid serious injury:

- Park the tractor on a firm, flat and level surface, set the parking brake, stop the engine and remove the key.
- Clean up mower deck, ramp and frame link.
- Make sure there is no debris inside the universal joint.
- Check all functions work correctly.
- Remove the front loader, front attachment and 3 point hitch attachment.
- 1. Adjust all the anti-scalp rollers to the "F" position. 4.5 holes (X) must be visible.

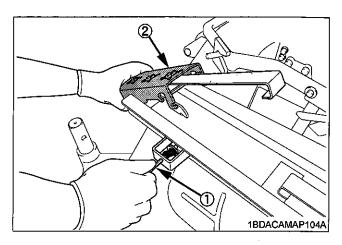


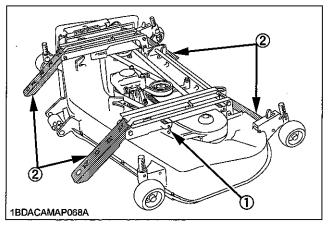
2. Unlock the lever to lift up the rear anti-scalp roller.



(1) Lever

Pull the L-pin and extend the ramps to front and rear sides.

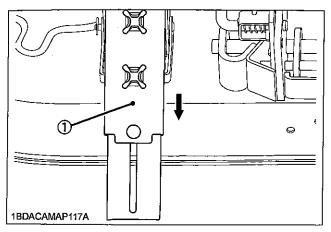




(1) L-pin

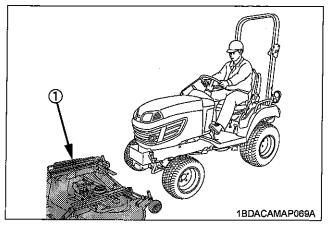
(2) Ramps

4. Extend the ramp rear fully. Check end of front and ramps rear are touching ground.

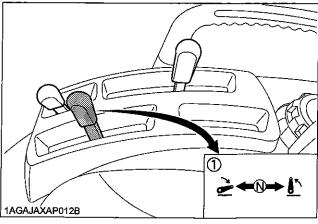


(1) Ramp rear

Make sure that the frame link is lifted up to the "TOP" position when tractor is traveling without mower. Stop the tractor behind the mower. Set the parking brake.



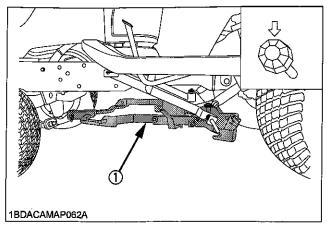
(1) Mower



(1) Hydraulic control lever

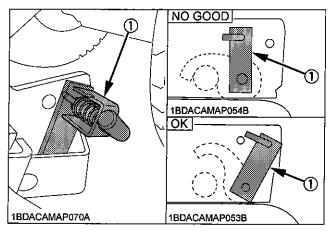
N "RAISED"
(N) "NEUTRAL POSITION"
≥ "LOWERED"

6. Set the cutting height to 0" and lower the frame link. Then stop the engine.



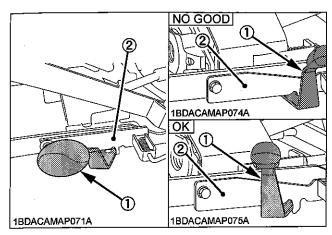
(1) Frame link

7. Make sure that the rear lock is unlocked.

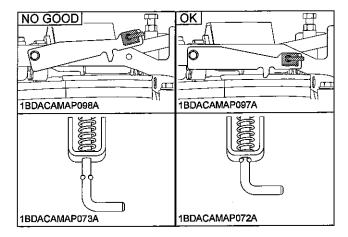


(1) Rear lock

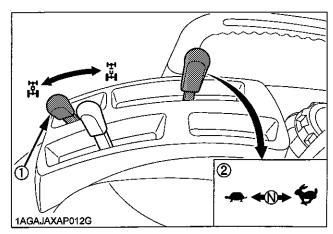
8. Shift lever guide forward. Make sure that the universal joint is in rear position. Lock the lever guide by lever lock.



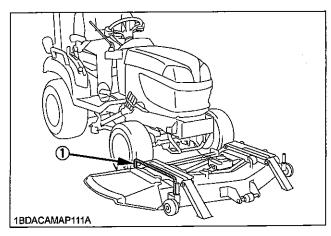
- (1) Lever guide (universal joint)
- (2) Lever lock



- 9. Make sure that the frame link is fully down.
- 10. Start the engine and engage 4WD. Set the range gear shift lever to "LOW". Release the parking brake.



- (1) Front wheel drive lever
- ⟨→ "HIGH"
- (2) Range gear shift lever (Hi-Lo) (N) "NEUTRAL POSITION"
 - ♣ "LOW"
- 11. With the right front tire, make a driving target to the guide rail.



(1) Guide rail

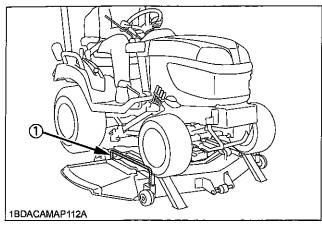
12. Drive over the ramp of mower along the guide rail. Keep the front tire side touching the guide rail.



WARNING

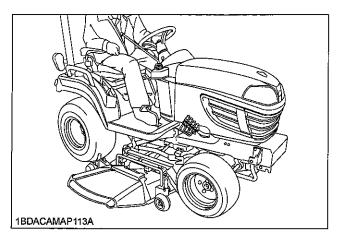
To avoid serious injury:

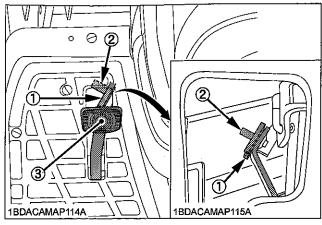
 If mower moves forward before the tractor rides on, there is less grip between the ground and mower. Change area and try again.



- (1) Guide rail
- 13. Just after the tractor drives over the mower, stop the engine.

Make sure frame link is connected to mower. Set the parking brake.





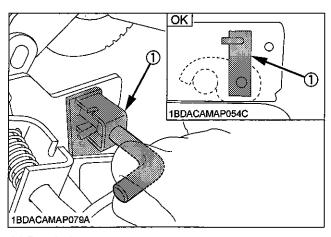
- (1) Mower (Stay)
- (2) Frame link
- (3) Brake pedal
- 14. Lock the rear lock.



WARNING

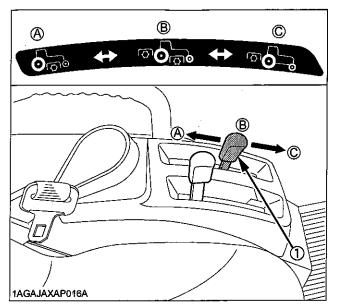
To avoid serious injury:

 Double check that frame link is locked to mower deck.

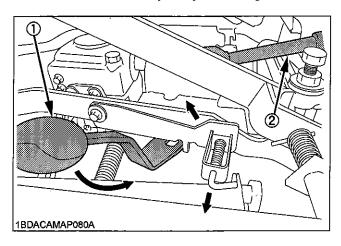


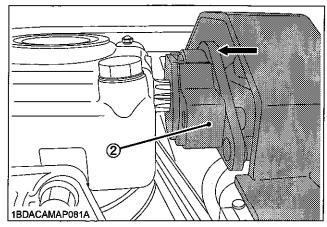
(1) Rear lock

15. Set the PTO select lever to "Rear-PTO" position (Position C).



- (1) PTO select lever
- (A) Mid-PTO position
- (B) Mid-Rear-PTO position
- (C) Rear-PTO position
- 16. Connect the universal joint by the lever guide.





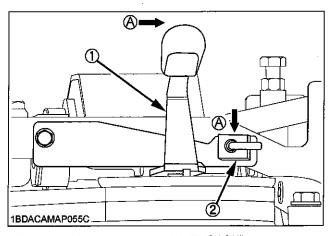
- (1) Lever guide
- (2) Universal joint
- 17. Lock the lever guide by the lever lock.



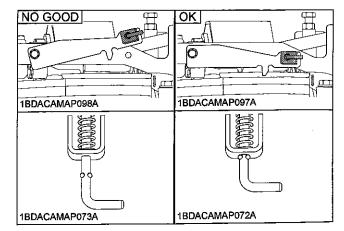
WARNING

To avoid serious injury:

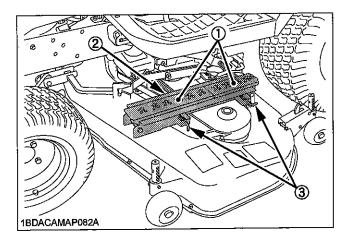
• Double check that lever guide is locked.

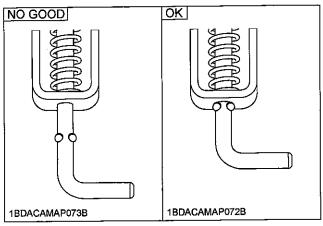


- (1) Lever guide
- (2) Lever lock
- (A) "ENGAGE"



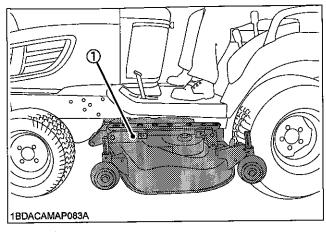
- 18. Set the PTO select lever to "Mid-PTO" position.
- 19. Put front and rear ramps back to the ramp bracket. Lock the L-pin.



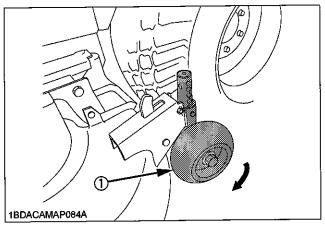


- (1) Ramp
- (2) Ramp bracket
- (3) L-pin

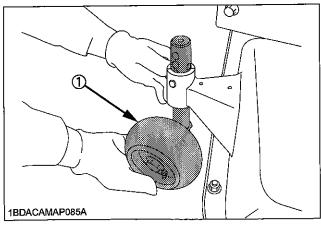
20. Start the engine. Lift up the mower to the "TOP" position. Lock the dial gauge and set the parking brake. Then, stop the engine.



- (1) Mower
- 21. Lock the rear anti-scalp roller.



- (1) Anti-scalp roller
- 22. Adjust the anti-scalp roller. See "CUTTING HEIGHT" in "OPERATION" section for further information.



(1) Anti-scalp roller

MOWER ADJUSTMENTS



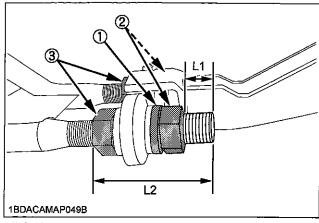
WARNING

To avoid serious Injury:

- Park the tractor on a firm, flat and level surface and set the parking brake.
- Stop the engine, remove the key, and allow the blades to stop before making adjustments.
- Wear heavy gloves or wrap end of blade with a rag when you handle blades.

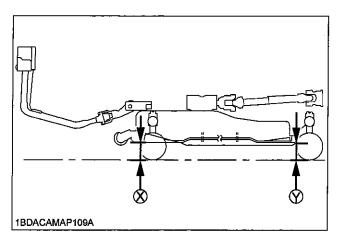
ADJUSTING THE FRONT LINK (FRONT AND REAR)

- Park the machine on a firm, flat and level surface and set the parking brake.
- 2. Tire pressure must be correct. (See Tractor Operator's Manual.)
- Turn the cutting height control dial to "2.0" and keep clearance between the anti-scalp rollers and ground from 6 to 13 mm (0.25 to 0.5 in.) as shown in "CUTTING HEIGHT" in "OPERATION" section.
- Make sure the level of the mower blades is adjusted as shown below. Align the ends of the right side blade towards the front and rear of the machine. Turn blade by hand in either direction.
 - Adjust (L1) of front links with lock nuts so that A is 0 to 5 mm (0 to 0.2 in.) A=(Y)-(X)
- 5. To adjust (L1), loose (2) nuts then turn (3) nuts. Rotate both (3) nuts same time to set LH and RH (L2) in even length. Tighten (2) nuts to lock securely.



- (1) Spring lock washer
- (2) Lock nut
- (3) Lock nut

Tightening torque: 60 to 70 N-m (6.2 to 7.1 kgf-m, 45 to 51 lbf-ft)



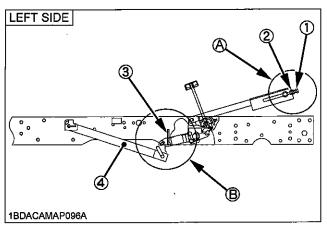
ADJUSTING THE MOWER LINKS (SIDE TO SIDE)



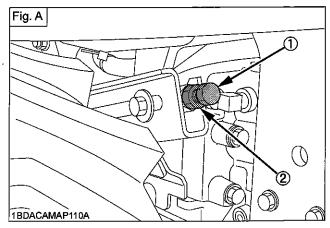
WARNING

To avoid serious injury:

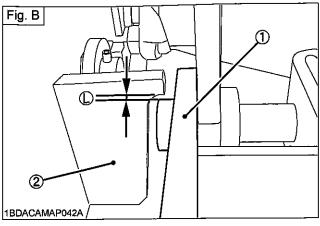
- Before starting the engine, make sure that all levers (including auxiliary control levers) are in their neutral positions, that the parking brake is engaged, and that both the clutch and the Power Take-Off (PTO) are disengaged (OFF).
- 1. Park the machine on a firm, flat and level surface and set the parking brake.
- Tire pressure must be correct. (See Tractor Operator's Manual.)
- 3. Move the hydraulic control lever rearward to raise the mower to the highest position.
- 4. Stop the engine and remove the key.
- 5. Adjust the left side links with the bolt so that the clearance (L) is as follows.



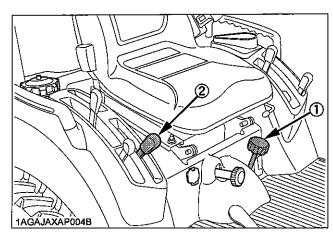
(A) Refer to Fig.A (B) Refer to Fig.B



- (1) Bolt
- (2) Lock nut
- (3) Stopper
- (4) Rear link

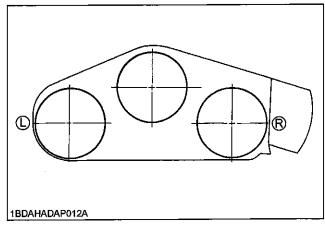


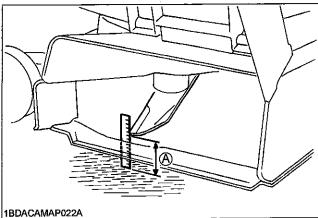
- (1) Rear link
- (L) 0 to 0.5 mm (0 to 0.02 in.)
- (2) Stopper
- Turn the cutting height control dial to the desired height. Set the anti-scalp rollers' height to keep clearance between rollers and ground from 6 to 13 mm (0.2 to 0.5 in.) as shown in "CUTTING HEIGHT" in "OPERATION" section.



- (1) Cutting height control dial
- (2) Hydraulic control lever

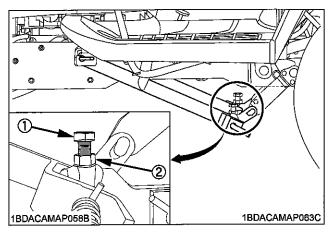
- 7. Lower the mower deck by moving the hydraulic control lever forward.
- 8. Turn the left side blade by hand so that it is aligned parallel to the tractor axle, and measure (A) at (L). Then turn the right side blade by hand so that it is aligned parallel to the tractor axle, and measure (A) at (R). Measure (A) from the outside blade tip at (L) and (R) to the level surface. The difference between measurements should be less than 3 mm (0.12 in.)





(A) Height of the blade at the concrete surface

 If the difference between measurements is more than 3 mm (0.12 in.), loosen the lock nut. Adjust the cutting height fine tuning bolt so that the difference between measurements (L) and (R) is less than 3 mm (0.12 in.) Then lock the nut.



(1) Cutting height fine tuning bolt

(2) Lock nut

OPERATION

MAKING THE MOST OF YOUR MOWER

- When using your mower for the first time, choose a smooth level area and cut in straight and slightly overlapping strips.
- 2. The size and type of the area to be mowed will determine the proper mowing pattern. Take into account obstructions, such as trees, fences and buildings. To keep grass clippings off fences, sidewalks, etc., it is advisable to go over the outside of the area to be mowed several times in a clockwise direction. To mow the area remaining, work in a counterclockwise direction so the clippings are dispersed onto the previously cut area.
- Always keep the left side of the mower toward trees, posts or other obstacles on the first trip around the obstacle.
- 4. Most lawns should be mowed to keep the grass approximately 50 to 80mm (2 to 3 in.) high. Best results are obtained by cutting often and not too short. To keep a green lawn, never mow more than one third of the height of the grass or a maximum of 25mm (1 in.) in one mowing.

For extremely tall grass, set the cutting height at maximum for the first mowing, then reset to the desired height and mow again. Allow the grass to grow to three inches, then cut off only the top growth.

- On thick or springy grass or soft ground, the mower rollers may sink into the ground, resulting in the cut being too low.
 - Adjust the cutting height to get the desired height of cut.
- 6. For best appearance, grass should be cut in the afternoon or evening when it is free of moisture.

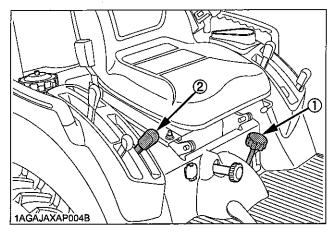
CUTTING HEIGHT



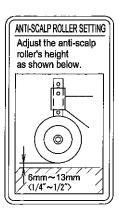
DANGER

To avoid serious injury or death:

- Never operate the mower in transport position.
- To set the cutting height, move the hydraulic control lever rearward to raise the mower to the highest position. Turn the cutting height control dial to adjust height.

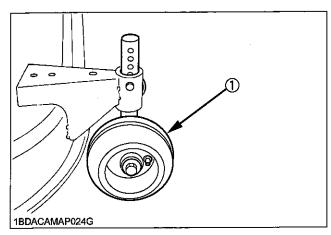


- (1) Cutting height control dial
- (2) Hydraulic control lever
- Set the anti-scalp rollers' height as shown to keep clearance between rollers and ground from 6 mm to 13 mm (0.2 to 0.5 in.)



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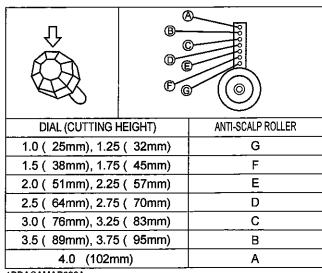
- 3. Lower the mower deck by moving the hydraulic control lever forward.
- Use the higher settings for mowing in a rough area or when mowing tall grass. Lower settings should be used only for smooth lawns where short grass is desired.



(1) Anti-scalp roller

IMPORTANT:

- To reduce the stepped differences in cutting height when mowing rolling terrain, follow the procedure below.
- To set the cutting height, move the hydraulic control lever rearward to raise the mower to the highest position. Turn the cutting height control dial to adjust height.
- 2. Set the anti-scalp rollers' position as shown to have the same cutting height.



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OPERATING MOWER



DANGER

To avoid serious injury or death:

 Do not operate the mower without the discharge deflector properly in position.



WARNING

To avoid serious injury:

 When operating the mower on a hillside, be sure to remove the loader to minimized the risk of roll over.



WARNING

To avoid serious injury or death:

- Remove foreign objects, such as rocks, cans, bottles, etc., from the area to be mowed.
- Do not direct the opening of the deflector towards bystanders or animals. Thrown objects may cause injury. Plan your mowing pattern carefully before starting operations.
- Keep bystanders and animals away from the mowing area.
- When not using the mower, shift the PTO clutch control lever to the "OFF" position.

IMPORTANT:

- When operating the loader in rough terrain, remove the mower to avoid damage to the mower.
- Keep the engine running at full throttle for best results.
 Control ground speed by using the speed control pedal of the tractor.
- 2. During heavy duty use, operate the tractor at a slower ground speed or go over the area twice.
- 3. Keep the mower deck in the fully raised position when the mower is not being used.
- 4. The mower will not cut cleanly if the ground speed is too high or if the blade speed drops due to an overload, or if the blades are dull.

IMPORTANT:

 To prevent the engine from overheating, keep the radiator and radiator screen clean.

USING 3 POINT HITCH ATTACHMENT OR FRONT LOADER



WARNING

To avoid serious injury or death:

- When not using the mower, shift the PTO clutch control lever to the "NEUTRAL" position.
- Do not drive over the mower with rear or front attachment on.

To use a 3 point hitch mounted attachment or the front loader when the mower is attached, follow the procedure below.

- 1. Turn on the engine.
- 2. Move the hydraulic control lever rearward to raise the mower to the highest position.
- 3. Turn the cutting height control dial to "TOP" position, and lower the mower.
- 4. Stop the engine and remove the key.
- 5. Set the gauge wheels to the lowest hole to get the maximum ground clearance.

IMPORTANT:

Do not change the length of the mower lift links.

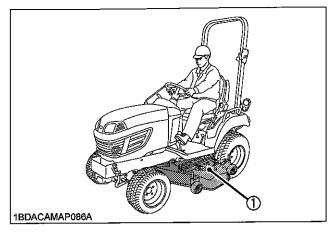
DISMOUNTING THE MOWER FROM THE TRACTOR



WARNING

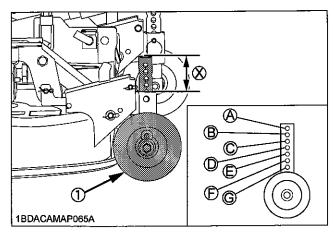
To avoid serious injury:

- Park the tractor on a firm, flat and level surface, set the parking brake, stop the engine and remove the key.
- Remove the front loader, front attachment and rear hitch attachment.
- 1. Park the tractor with the mower in the "TOP" position. Set the parking brake.



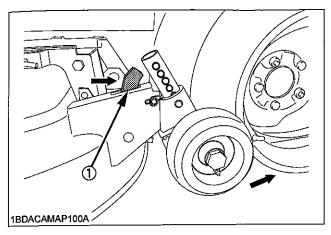
(1) Tractor with the mower

2. Adjust all the anti-scalp rollers to the "F" position. 4.5 holes (X) must be visible.



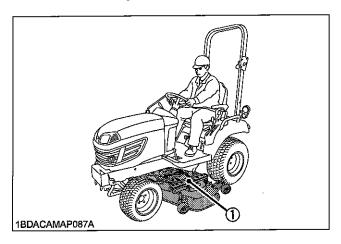
(1) Anti-scalp roller

3. Unlock the lever to lift up the rear anti-scalp roller.

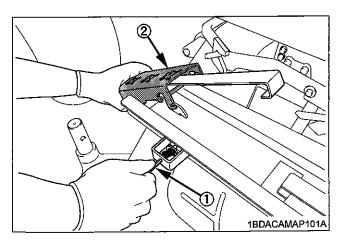


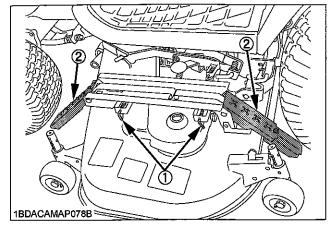
(1) Lever

4. Set the cutting height control dial to 0". Lower the lift frame from "TOP" position to 0" until the anti-scalp rollers touch the ground. Stop the engine.

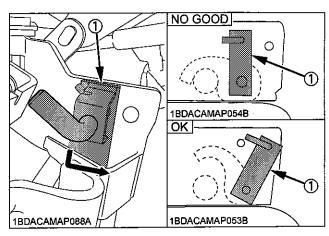


5. Pull the L-pin and extend the ramp to front and rear sides.



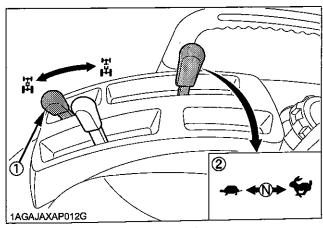


- (1) L-pin
- (2) Ramp
- 6. Unlock the rear lock.



(1) Rear lock

7. Start the engine and engage 4WD. Set the range gear shift lever to "LOW". Release the parking brake.



- (1) Front wheel drive lever
- (2) Range gear shift lever (Hi-Lo)
- ⟨→ "HIGH"
- (N) "NEUTRAL POSITION"
- ♣ "LOW"

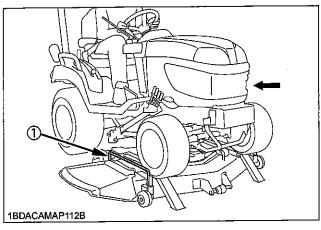
8. In reverse, drive over the ramp of mower, backward along the guide rail.



WARNING

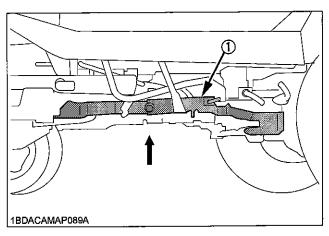
To avoid serious injury:

 If the mower moves backwards before the tractor rides on, there is less grip between ground and the mower. Change area and try again.



(1) Guide rail

9. After you backed over the mower, stop the tractor. Lift up the frame link to "TOP" position and set the cutting height control dial to "TOP" position.



(1) Frame link

MAINTENANCE

MAINTENANCE CHECK LIST

		Us	Poforonoo				
No.	Check Point	Daily check	50 hrs	150 hrs	1 year	4 year	Reference
1	Oil leakage check	0					30
2	Make sure blade bolts are tight.	0			-		32
3	Blade and belt wear check	0					32
4	All hardware check	0					
5	Make sure all pins are in place.	0					4
6	Mower deck cleaning	0					
7	Greasing Universal joint Three spindle shafts Belt tension pulley Belt tension pivot Front and Rear anti-scalp rollers Frame link	0					30
8	Gear box oil check	.0					30
9	Gear box oil change		0	0	-		30
10	Gear box oil seal check		h		O *1		
11	Gear box oil seal replace					0	

^{*1} Replace if any deterioration (crack, hardening, scar, or deformation) or damage occurred.

CHECK AND MAINTENANCE



WARNING

To avoid serious injury:

- Stop the engine, set the parking brake, and remove the key.
- Remove the mower for daily checks.

■Gear box oil

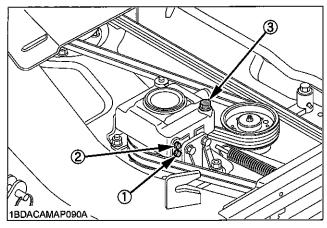
- 1. To check the oil level, remove the check plug bolt.
 - Place mower on level surface.
 Loosen check plug bolt. Oil should be visible through the opening. If oil level is too low, add oil. If oil level is too high, drain oil with the check plug bolt.

(Use SAE 90 API GL5 gear oil)

- 2. To change gear oil, remove the drain plug and drain oil
- 3. Reinstall drain plug, then refill gear case.
 - 0.36 L (0.38 qts.)

IMPORTANT:

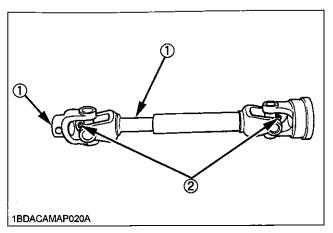
- Use SAE 90 (API GL5) gear oil in all seasons.
- Change oil in gear box after first 50 hours and every 150 hours thereafter.



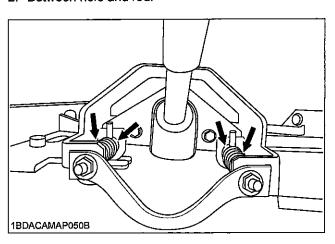
- (1) Drain plug (Bolt)
- (2) Check plug (Bolt)
- (3) Oil filler plug

■ Greasing (Use multipurpose EP2 grease (NLGI Grade No. 2).)

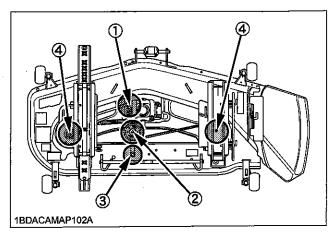
1. Universal joint.



- (1) Spline
- (2) Grease fitting (Universal joint)
- 2. Between hole and rod.



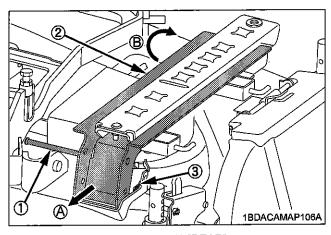
3. Spindle shafts, belt tension pivot and tension pulley.



- (1) Grease fitting (Spindle shaft)
- (2) Grease fitting (Belt tension pulley)
- (3) Grease fitting (Belt tension pivot)
- (4) Grease fitting (Spindle shaft)

4. [Only for RCK54D-26BX]

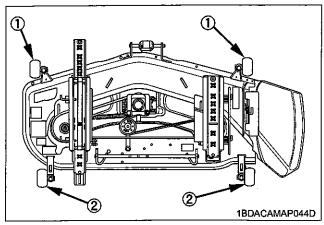
Remove the ramp bracket for greasing (4) in step 2. To remove the ramp bracket, remove the pin and clevis pin and slide the ramp bracket to rear side. Then lift up the ramp bracket to remove from mower deck.

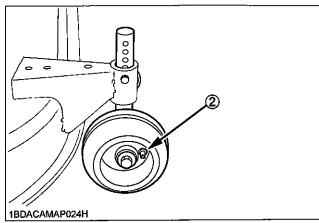


- (1) Clevis pin
- (2) Ramp bracket
- (3) Pin

- (A) "REAR"
- (B) "UP"

5. Front and rear anti-scalp rollers.





- (1) Grease fitting (Front anti-scalp rollers)
- (2) Grease fitting (Rear anti-scalp rollers)

IMPORTANT:

- After checking above items, replace any worn, damaged or missing parts.
- Dry the mower deck completely before storage, or pulleys become rusty and damage can result.

BLADE REPLACEMENT



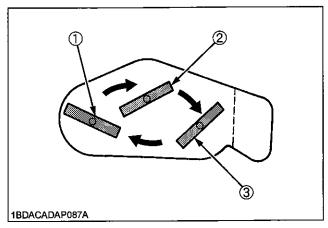
WARNING

To avoid serious injury or death:

- Be sure to stop the engine and remove the key.
- Blades may be sharp. When you handle blades, wear heavy gloves or wrap end of blade with a rag.

IMPORTANT:

- The blade bolts have right hand threads. Turn them counterclockwise to loosen.
- To prolong the service life of the blades, reposition them as shown in the figure below periodically.
- Before checking or replacing the blade, wipe grass and mud off the top and inside of the mower.
 Especially clean up the inside of the belt cover, because otherwise the belt life will be reduced.



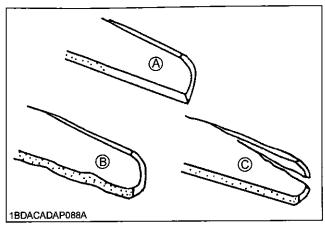
- (1) LH blade
- (2) Center blade
- (3) RH blade

Optional H20 blade Kit: > K5371-97520 "60C-H20" "3 blade Kit" K5371-34340 (single blade)

5 tandard Blade 60"dock: K5371-99040 (single) Checking

The blade cutting edges should be kept sharp at all times. Sharpen the cutting edges, if they resemble the blade in figure (B).

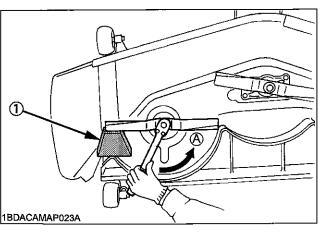
Replace the blades if they appear similar to the blade as shown in figure (C).



- (A) New blade
- (B) Worn blade
- (C) Cracked blade

Replacing

- Remove the mower from the tractor (See "DISMOUNTING THE MOWER FROM THE TRACTOR" in "OPERATION" section.) and turn it over to expose the blades.
- 2. Wedge a block of wood between the blade and mower housing or use a box wrench over the pulley nut to prevent the spindle from rotating while removing the blade bolts; loosen the blade bolt as illustrated.



(1) Block

(A) "LOOSEN"

IMPORTANT:

 Use the proper metric size box or socket wrench to tighten or loosen the blade mounting bolt.

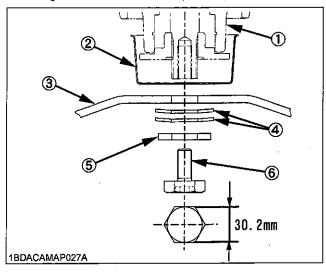
- To sharpen the blades, clamp the blades one at a time securely in a vise.
 - Use a large mill file and file along the original bevel until sharp.
- 4. To check the blade for balance, place a small rod through the center hole. The blade should balance on this rod. If the blade is not balanced, file the heavy side of the blade until balance is achieved.
- Install the blade in position together with the lock washer and two cup washers. Tighten them up with the blade mounting bolt.

NOTE:

 Make sure that the cup washers are not flattened out or worn; this cause blade to slip excessively. Replace 2 cup washers if either is damaged.

IMPORTANT:

 Tighten the 3 blade bolts 102.9 to 117.6 N-m (10.5 to 12 kgf-m, 75.9 to 86.8 ft-lbs.) of torque.



- (1) Spindle holder
- (2) Spindle guard
- (3) Blade
- (4) 2-Cup washers
- (5) Lock washer
- (6) Blade mounting bolt

BELT REPLACEMENT



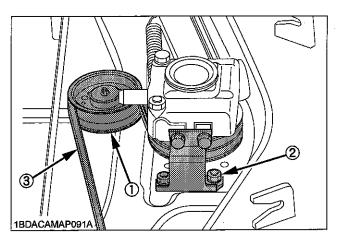
WARNING

To avoid serious injury:

- Be sure to reinstall the removed cover after replacing the belt.
- Remove the mower from the tractor. (See "DISMOUNTING THE MOWER FROM THE TRACTOR" in "OPERATION" section.)
- 2. Remove the left and right hand belt cover from the mower deck.
- 3. Clean around the gear box.
- 4. Remove the belt from the tension pulley.
- Remove the right hand bracket which mounts the gear box to the mower deck and slip the belt over the top of the gear box.
- 6. To install a new belt, reverse the above procedure.

NOTE:

 Tighten bracket bolts securely 77.6 to 90.2 N-m (8.0 to 9.2 kgf-m, 57.1 to 66.5 ft-lbs) of torque.

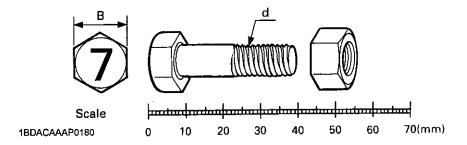


- (1) Tension pulley
- (2) Bracket (RH)
- (3) Belt

TIGHTENING TORQUE CHART

Thread	Hexa-Bolt		No mark			7T	
Size d (mm)	Head size B (mm)	ft-lbs	N-m	k gf -m	ft-lbs	N-m	kgf-m
M8	12 or 13	13.0 to 15.2 (14.1 ± 1.1)	17.8 to 20.6 (19.2 ± 1.4)	1.9 to 2.1 (2.0 ± 0.1)	17.5 to 20.3 (18.9 ± 1.4)	23.5 to 27.5 (25.5 ± 2.0)	2.4 to 2.8 (2.6 ± 0.2)
M10	14 or 17	28.9 to 33.3 (31.1 ± 2.2)	39.3 to 45.1 (42.2 ± 2.9)	4.0 to 4.6 (4.3 ± 0.3)	35.4 to 41.2 (38.3 ± 2.9)	48.1 to 55.9 (52.0 ± 3.9)	4.9 to 5.7 (5.3 ± 0.4)
M12	17 or 19	46.3 to 53.5 (49.9 ± 3.6)	62.8 to 72.6 (67.7 ± 4.9)	6.4 to 7.4 (6.9 ± 0.5)	57.1 to 66.5 (61.8 ± 4.7)	77.6 to 90.2 (83.9 ± 6.3)	8.0 to 9.2 (8.6 ± 0.6)
M14	19 or 22	79.6 to 92.6 (86.1 ± 6.5)	107.9 to 125.5 (116.7 ± 8.8)	11.0 to 12.8 (11.9 ± 0.9)	91.1 to 108.5 (99.8 ± 8.7)	123.6 to 147.0 (135.3 ± 11.7)	12.6 to 15.0 (13.8 ± 1.2)

NOTE:
Figure "7" on the top of the bolt indicates that the bolt is of special material.
Before tightening, check the figure on the top of bolt.



American standard cap screws with UNC or UNF threads					Me	etric cap screws	
SAE grade No.		GR.5	GR.5 GR.8		erty class	class 8.8	class 10.9
5/16	(ft-lbs) (N-m) (kgf-m)	17 to 20.5 23.1 to 27.8 2.35 to 2.83	24 to 29 32.5 to 39.3 3.31 to 4.01	M8	(ft-lbs) (N-m) (kgf-m)	17.4 to 20.2 23.6 to 27.4 2.4 to 2.8	21.7 to 25.3 29.4 to 34.3 3.0 to 3.5
3/8	(ft-lbs) (N-m) (kgf-m)	35 to 42 47.5 to 57.0 4.84 to 5.81	45 to 54 61.0 to 73.2 6.22 to 7.46	M10	(ft-lbs) (N-m) (kgf-m)	35.5 to 41.2 48.1 to 55.8 4.9 to 5.7	44.9 to 52.1 60.8 to 70.5 6.2 to 7.2
1/2	(ft-lbs) (N-m) (kgf-m)	80 to 96 108.5 to 130.2 11.06 to 13.28	110 to 132 149.2 to 179.0 15.21 to 18.25	M12	(ft-lbs) (N-m) (kgf-m)	57.2 to 66.5 77.5 to 90.1 7.9 to 9.2	76.0 to 86.8 103 to 117 10.5 to 12.0
9/16	(ft-lbs) (N-m) (kgf-m)	110 to 132 149.2 to 179.0 15.21 to 18.25	160 to 192 217.0 to 260.4 22.13 to 26.55	M14	(ft-lbs) (N-m) (kgf-m)	91.5 to 108.4 124 to 147 12.6 to 15.0	123 to 144 167 to 196 17.0 to 20.0
5/8	(ft-lbs) (N -m) (kgf-m)	150 to 180 203.4 to 244.1 20.74 to 24.89	220 to 264 298.3 to 358.0 30.42 to 36.51	M16	(ft-lbs) (N-m) (kgf-m)	145 to 166 196 to 225 20.0 to 23.0	192 to 224 260 to 303 26.5 to 31.0

LONG-TERM STORAGE

WINTER STORAGE

After the grass cutting season it is recommended that you perform the following procedures.

- 1. Remove the mower deck covers.
- 2. Loosen the mower drive belt.
- 3. Clean all pulleys and wipe with a dry cloth and oil.
- 4. Clean all grass and dirt from the mower deck.

NOTE

- Leave the drive belt loose.
- Clean pulleys and reinstall the drive belt just prior to the next grass cutting season.

TROUBLESHOOTING

Trouble	Cause	Remedy
Discharge cover plugged.	 Grass too wet Grass too long. Cutting too low. Engine rpm too low. Ground speed too fast. 	 Wait for grass to dry. Raise cutting height and cut grass twice. Raise cutting height. Mow at full throttle. Slow down.
Streaking of uncut grass.	 Ground speed too fast. Engine rpm too low. Grass too long. Blades dull or damaged. Debris in mower deck. 	 Slow down. Mow at full throttle, check and reset engine rpm. Cut grass twice. Replace blades or have blades sharpened. Clean mower deck.
Uneven cut.	 Mower deck not level. Ground speed too fast. Blades dull. Blades worn. Low tire inflation. Anti-scalp rollers not adjusted correctly. 	 Level mower deck. Slow down. Have blades sharpened. Replace blades. Add air to correct. Adjust anti-scalp rollers.
Blades scalping grass.	 Cutting height too low. Turning speed too fast. Ridges in terrain. Rough or uneven terrain. Anti-scalp rollers not adjusted correctly. Bent blade(s). 	 Raise cutting height. Reduce speed on turns. Change mowing pattern. Adjust anti-scalp rollers. Adjust anti-scalp rollers. Replace blade(s).
Belt slipping.	Mower deck plugged.Debris in pulleys.Worn belt.	 Unplug and clean mower deck. Clean pulleys. Replace belt.
Excessive vibration.	 Debris on mower deck or in pulleys. Damaged drive belt. Damaged pulleys. Pulleys out of alignment. Blades out of balance. Spindle bearing worn. 	 Clean mower deck and pulleys. Replace drive belt. Replace pulleys. See your KUBOTA Dealer. Have blades balanced. Replace spindle bearing.
Mower loads down tractor.	 Engine rpm too low. Ground speed too fast. Debris wrapped around mower spindles. 	 Mow at full throttle, check and reset engine rpm. Slow down. Clean mower.
Mower moves when tractor drives over mower.	Less grip between ground and mower.	Change to textured area.
Rear lock does not function properly.	Frame link is not fit in to mower stay.	Fit frame link in to mower stay.
Mower does not touch the ground at 0" position.	 Anti-scalp roller does not touch ground. Out of alignment. 	 Lower anti-scalp roller. Go over "ADJUSTING THE FRAME LINK (FRONT AND REAR)".

Trouble	Cause	Remedy
Universal joint does not joint to PTO shaft.	Universal joint is not self rotating.	 Set PTO select lever to "Rear-PTO" position. Go over "MOUNTING THE MOWER TO THE TRACTOR". Rotate the universal joint by hand.
	Universal joint is out of alignment.	Go over "ADJUSTING THE FRAME LINK".

INDEX

Gear box oil	30
Greasing (Use multipurpose EP2 grease	
Grade No. 2).)	

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