Kubota

U.S.A. : **KUBOTA TRACTOR CORPORATION**
3401 Del Amo Blvd., Torrance, CA 90503, U.S.A.
Telephone : (310)370-3370
Western Division : 1175 S. Guild Avc., Lodi, CA 95240
Telephone : (209)334-9910
Central Division : 14855 FAA Blvd., Fort Worth, TX 76155
Telephone : (817)571-0900
Northern Division : 6300 at One Kubota Way, Groveport, OH 43125
Telephone : (614)835-1100
Southeast Division : 1025 Northbrook Parkway, Suwanee, GA 30024
Telephone : (770)995-8855
Canada : **KUBOTA CANADA LTD.**
5900 14th Avenue, Markham, Ontario, L3S 4K4, Canada
Telephone : (905)294-7477
Delta Distribution Center : 7979 82nd St, Delta B.C. V4G 1L7
Telephone : (604)940-6061
Drummondville Distribution Center : 5705 Place Kubota, Drummondville, Québec, J2B 6B4
Telephone : (819)478-7151
France : **KUBOTA EUROPE S.A.S**
19-25, Rue Jules Vercruysse, Z.I. BP88, 95101 Argenteuil Cedex, France
Telephone : (33)1-3426-3434
Italy : **KUBOTA EUROPE S.A.S Italy Branch**
Via Grandi, 29 20068 Peschiera Borrome (MI) Italy
Telephone : (39)02-51650377
Germany : **KUBOTA (DEUTSCHLAND) GmbH**
Senefelder Str. 3-5 63110 Rodgau /Nieder-Roden, Germany
Telephone : (49)6106-873-0
U.K. : **KUBOTA (U.K.) LTD.**
Dormer Road, Thame, Oxfordshire, OX9 3UN, U.K.
Telephone : (44)1844-214500
Spain : **KUBOTA ESPAÑA S.A.**
Avenida Recomba No.5, Poligno Industrial la Laguna, Leganes, 28914 (Madrid) Spain
Telephone : (34)91-508-6442
Australia : **KUBOTA TRACTOR AUSTRALIA PTY LTD.**
25-29 Permas Way, Truganina, VIC 3029, Australia
Telephone : (61)-3-9394-4400
Malaysia : **SIME KUBOTA SDN. BHD.**
No.3 Jalan Sepadu 25/123 Taman Perindustrian Axis,
Seksyen 25, 40400 Shah Alam, Selangor Darul Ehsan Malasia
Telephone : (60)3-736-1388
Philippines : **KUBOTA AGRO-INDUSTRIAL MACHINERY PHILIPPINES, INC.**
155 Panay Avenue, South Triangle Homes, 1103 Quezon City, Philippines
Telephone : (63)2-9201071
Taiwan : **SHIN TAIWAN AGRICULTURAL MACHINERY CO., LTD.**
16, Fengping 2nd Rd, Taliao Shiang Kaohsiung 83107, Taiwan R.O.C.
Telephone : (886)7-702-2333
Indonesia : **P.T. KUBOTA INDONESIA**
JALAN. Setyabudi 279, Semarang, Indonesia
Telephone : (62)-24-7472849
Thailand : **THE SIAM KUBOTA INDUSTRY CO., LTD.**
101/19-24 Navanakorn, Tambol Klongneung, Amphur Klongluang, Pathumtani 12120, Thailand
Telephone : (66)2-529-0363
Korea : **KUBOTA KOREA CO., LTD.**
106-24 Mongsan-Ri, Mankyung-Up, Kimje-City, Chonrapuk-Do, KOREA
Telephone : (82)-63-544-5822
India : **KUBOTA AGRICULTURAL MACHINERY INDIA PVT. LTD.**
Regus, Level 2 Altius, Olympia Tech Park, No.1 SIDCO Industrial Estate, Guindy, Chennai 600032, TN, India
Telephone : (91)-44-4299-4237
Vietnam : **KUBOTA VIETNAM CO., LTD.**
Lot B-3A2-CN, My Phuoc 3 Industrial Park, Ben Cat District, Binh Duong Province, Vietnam
Telephone : (84)-650-3577-507

KUBOTA Corporation

English(U.S.A.)
Code No. 6C300-6311-6

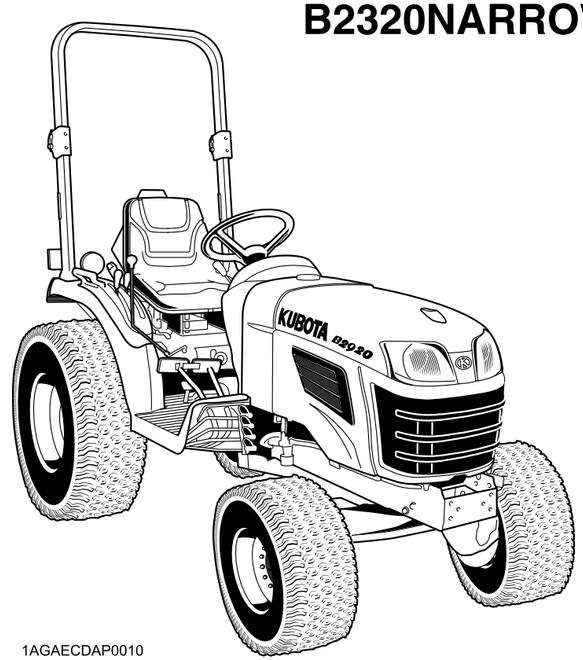
PREVIEW - YOUFIXTHIS.COM

B2320・2620・2920・2320NARROW

OPERATOR'S MANUAL

KUBOTA TRACTOR

MODELS B2320 · B2620 · B2920 B2320NARROW



1AGAECDAP0010

PRINTED IN JAPAN

© KUBOTA Corporation 2007

READ AND SAVE THIS MANUAL

Kubota

CONTENTS

⚠SAFE OPERATION 1

SERVICING OF TRACTOR 1

SPECIFICATIONS 2
- SPECIFICATION TABLE 2
- TRAVELING SPEEDS 4

IMPLEMENT LIMITATIONS 5

INSTRUMENT PANEL AND CONTROLS 7

PRE-OPERATION CHECK 11
- DAILY CHECK 11

OPERATING THE ENGINE 12
- STARTING THE ENGINE 12
  - Block Heater (Option) 15
- STOPPING THE ENGINE 15
- WARMING UP 15
  - Warm-up Transmission Oil at Low Ambient Temperatures 15
- JUMP STARTING 16

OPERATING THE TRACTOR 17
- OPERATING NEW TRACTOR 17
  - Do not Operate the Tractor at Full Speed for the First 50 Hours 17
  - Changing Lubricating Oil for New Tractors 17
- OPERATING FOLDABLE ROPS 17
  - To Fold the ROPS 17
  - To Raise the ROPS to Upright Position 18
  - Adjustment of Foldable ROPS 19
- STARTING 19
  - Operator's Seat 19
  - Seat Belt 20
  - Head Light / Turn Signal / Hazard Light Switch 20
  - Brake Pedals (Right and Left) 21
  - Clutch Pedal 21
  - Range Gear Shift Lever (L-M-H) [HST Type] 22
  - Main Gear Shift Lever & Range Gear Shift Lever (L-M-H) [Manual Transmission Type] 22
  - Front Wheel Drive Lever 23
  - Hand Throttle Lever 23
  - Foot Throttle [Manual Transmission Type] 23
  - Parking Brake 24
  - Speed Control Pedal 24
  - Speed Set Device 25
- STOPPING 25
  - Stopping 25
- CHECK DURING DRIVING 25
  - Immediately Stop the Engine if: 25

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

SAFE OPERATION

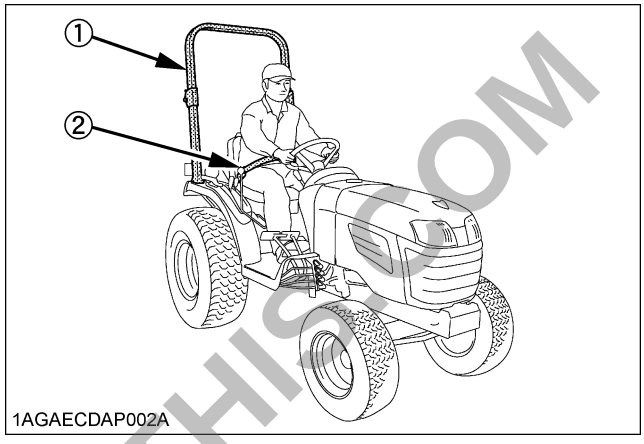
Careful operation is your best insurance against an accident.

Read and understand this manual carefully before operating the tractor.

All operators, no matter how much experience they may have, should read this and other related manuals before operating the tractor or any implement attached to it. It is the owner's obligation to instruct all operators in safe operation.

1. BEFORE OPERATING THE TRACTOR

1. Know your equipment and its limitations. Read this entire manual before attempting to start and operate the tractor.
2. Pay special attention to the danger, warning and caution labels on the tractor.
3. KUBOTA recommends the use of a CAB or Roll Over Protective Structures (ROPS) and seat belt in almost all applications. This combination will reduce the risk of serious injury or death, should the tractor be upset.
   If the tractor is equipped with a foldable ROPS it may be temporarily folded down only when absolutely necessary for areas with height constraints.
   (There is no operator protection provided by the ROPS in the folded position. For operator safety the ROPS should be placed in the upright and locked position and the seat belt fastened for all other operations.)
   If the CAB or ROPS is loosened or removed for any reason, make sure that all parts are reinstalled correctly before operating the tractor.
   Never modify or repair a ROPS because welding, bending, drilling, grinding, or cutting may weaken the structure.
   A damaged CAB or ROPS structure must be replaced, not repaired or revised.
   If any structural member of the CAB or ROPS is damaged, replace the entire structure at your local KUBOTA Dealer.



1AGAECDAP002A

(1) ROPS
(2) Seat belt

4. Always use the seat belt if the tractor has a CAB or ROPS.
   Do not use the seat belt if a foldable ROPS is down or there is no ROPS. Check the seat belt regularly and replace if frayed or damaged.
5. Do not operate tractor or any implement attached to it while under the influence of alcohol, medication, controlled substances or while fatigued.
6. Carefully check the vicinity before operating tractor or any implement attached to it. Check for overhead clearance which may interfere with a CAB or ROPS. Do not allow any bystanders around or near tractor during operation.
7. Before allowing other people to use your tractor, explain how to operate and have them read this manual before operation.
8. Never wear loose, torn, or bulky clothing around tractor. It may catch on moving parts or controls, leading to the risk of an accident. Use additional safety items, e.g. hard hat, safety boots or shoes, eye and hearing protection, gloves, etc., as appropriate or required.
9. Do not allow passengers to ride on any part of the tractor at anytime. The operator must remain in the tractor seat during operation.
10. Check brakes, clutch, and other mechanical parts for improper adjustment and wear. Replace worn or damaged parts promptly. Check the tightness of all nuts and bolts regularly. (For further details, see "MAINTENANCE" section.)
11. Keep your tractor clean. Dirt, grease, and trash build up may contribute to fires and lead to personal injury.
12. Use only implements meeting the specifications listed under "IMPLEMENT LIMITATIONS" in this manual or implements approved by KUBOTA.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

SPECIFICATIONS

SPECIFICATION TABLE

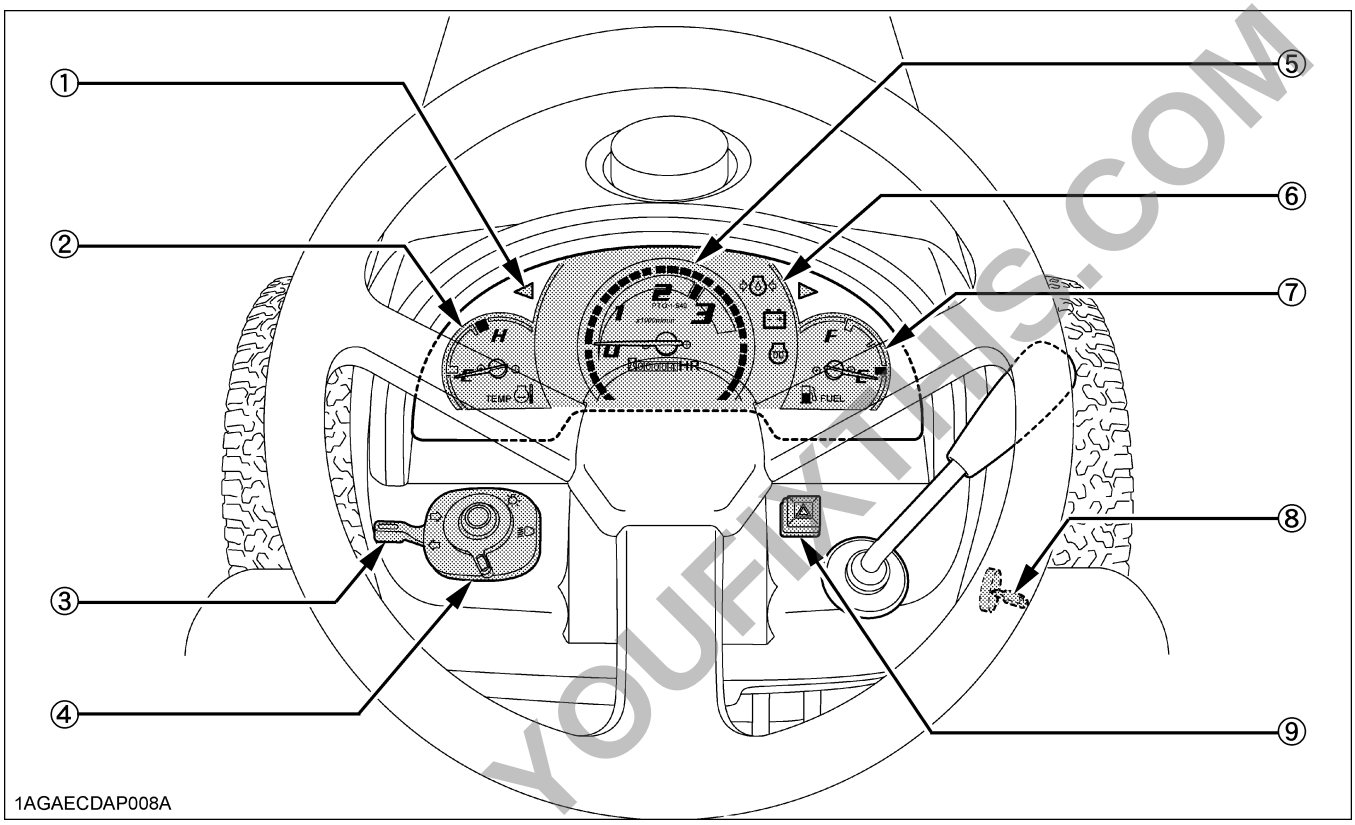
Model				B2320DTN-1	B2320DT	B2320HSDN	B2320HSD	B2620HSD	B2920HSD
PTO power*			kW (HP)	13.4 (18.0)		12.7 (17.0)		14.2 (19.0)	15.7 (21.0)
Engine	Maker			KUBOTA					
	Model			D1005-E3-D22				D1105-E3-D22	D1305-E3-D22
	Type			E-TVCS, liquid cooled, 3-cylinder diesel					
	Number of cylinders			3					
	Bore and stroke		mm (in.)	76 x 73.6 (3.0 x 2.9)				78 x 78.4 (3.1 x 3.1)	78 x 88 (3.1 x 3.5)
	Total displacement		cm^3 (cu.in.)	1001 (61.1)				1123 (68.5)	1261 (77.0)
	Engine gross power*		kW (HP)	17.2 (23.0)				19.4 (26.0)	21.6 (29.0)
	Rated revolution		rpm	2800					
	Low idling revolution		rpm	1000 to 1100					
	Maximum torque		N-m (ft-lb)	60 (44)				71 (52)	78 (58)
	Battery			12 V, RC : 80 min, CCA : 430 A					
Capacities	Fuel tank		L (U.S.gals.)	26 (6.9)					
	Engine crankcase (with filter)		L (U.S.qts.)	3.1 (3.3)					3.5 (3.7)
	Engine coolant		L (U.S.qts.)	3.9 (4.1)					
	Transmission case		L (U.S.gals.)	14 (3.7)		15 (4.0)			
Dimensions	Overall length (without 3P)		mm (in.)	2360 (92.9)	2385 (93.9)	2360 (92.9)	2385 (93.9)	2415 (95.1)	
	Overall width		mm (in.)	900 (35.4)	1145 (45.1)	938 (36.9)	1145 (45.1)	1245 (49.0)	
	Overall height (with ROPS)		mm (in.)	1910 (75.2)	2130 (83.9)	1910 (75.2)	2130 (83.9)	2160 (85.0)	
	Wheel base		mm (in.)	1563 (61.5)					
	Min. ground clearance		mm (in.)	300 (11.8)	305 (12.0)	300 (11.8)	305 (12.0)	325 (12.8)	
	Tread	Front	mm (in.)	705 (27.8)	800 (31.5)	780 (30.7)	800 (31.5)	815 (32.1)	
		Rear	mm (in.)	700 (27.6) to 750 (29.5)	900 (35.5)	700 (27.6) to 750 (29.5)	900 (35.5)	950 (37.4)	
Weight (with ROPS)			kg (lbs.)	605 (1334)	650	630 (1390)	670 (1477)	705 (1554)	
Clutch				Dry single plate					

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

INSTRUMENT PANEL AND CONTROLS

■ Instrument Panel, Switches and Hand Controls



ILLUSTRATED CONTENTS

(1) Turn signal / Hazard light indicator 20
(2) Coolant temperature gauge 26
(3) Turn signal light switch 20
(4) Head light switch 20
(5) Hourmeter / Tachometer 26
(6) Easy Checker (TM) 25
(7) Fuel gauge 26
(8) Key switch 12
(9) Hazard light switch 20

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PRE-OPERATION CHECK

DAILY CHECK

To prevent trouble from occurring, it is important to know the condition of the tractor well. Check it before starting.

CAUTION

To avoid personal injury:

- **Be sure to check and service the tractor on a level surface with the engine shut off and the parking brake "ON" and implement lowered to the ground.**

Check item

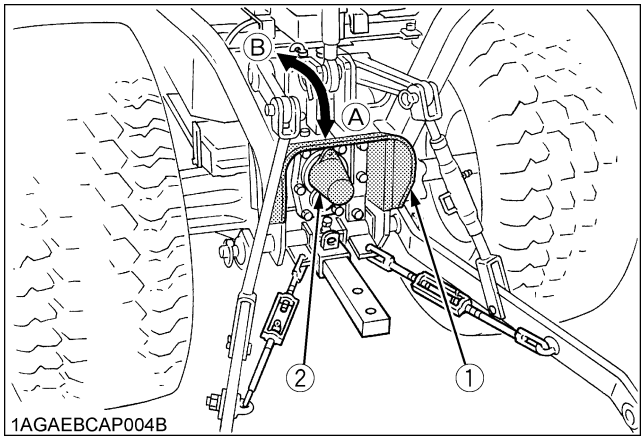
- Walk around inspection
- Check engine oil level
- Check transmission oil level
- Check coolant level
- Clean grill and radiator screen
- Check air cleaner evacuator valve
  (When used in a dusty place)
- Check brake and clutch pedal
- Check indicators, gauges and meter
- Check lights
- Check seat belt and ROPS
- Refuel
  (See "DAILY CHECK" in "PERIODIC SERVICE" section.)
- Care of danger, warning and caution labels
  (See "DANGER, WARNING AND CAUTION LABELS" in "SAFE OPERATION" section.)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

■PTO shaft Cover and Shaft Cap

Keep the PTO shaft cover in place at all times. Replace the PTO shaft cap when the PTO is not in use. Before connecting or disconnecting a drive shaft to PTO shaft, be sure engine is "OFF" and raise up the PTO shaft cover. Afterward be sure to return the PTO shaft cover to the "NORMAL POSITION".

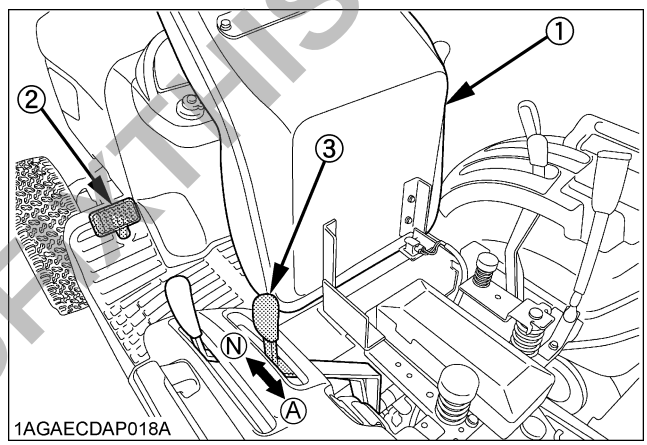


(1) PTO shaft cover
(2) PTO shaft cap
(A) "NORMAL POSITION"
(B) "RAISED POSITION"

■Stationary PTO

To park the tractor and use the PTO system (for chipper or pump, for example), start the PTO system in the following steps.

1. Apply the parking brakes and place blocks at the tires.
2. Make sure the shift levers are at NEUTRAL, and start the engine.
3. Set the PTO gear shift lever to "Rear PTO 1st" position.
4. Set the engine speed to provide recommended rear PTO speed.
5. Dismount the seat and tilt up quickly (engine will stop if there is a delay in tilting up the seat).



(1) Seat
(2) Clutch pedal
(3) PTO gear shift lever
(A) Rear PTO "1st"
Mid PTO "OFF"
(N) "NEUTRAL POSITION"

NOTE :

- If the PTO system is engaged and you stand up from the seat or the seat is not tilted forward, the engine stops automatically after standing up.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

■Rear Wheels

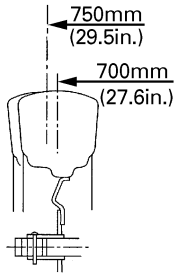
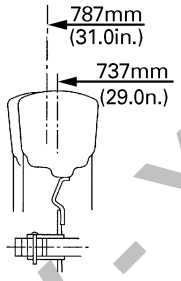
[B2320DTN, B2320HSDN]

Rear tread width can be adjusted as shown.

To change the tread width

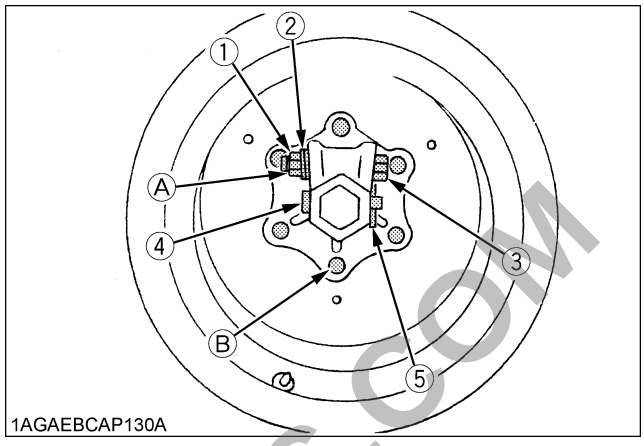
1. Loosen the nut of cotter pin bolt.
2. Remove the snap pin and wheel hub pin.
3. Change the tread to the desired position.
4. Re-set the wheel hub pin, snap pin and cotter pin bolt.

◆ **USA models**

Tire	Models	Tread
8 - 16 Farm	B2320 HSDN B2320 DTN	
8.3 - 16 Farm	B2320 HSDN B2320 DTN	

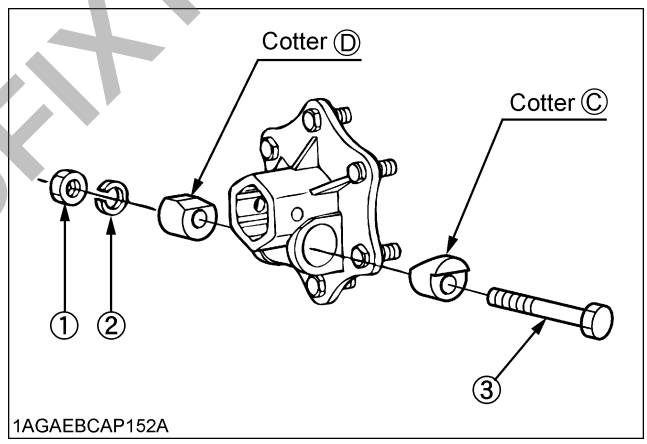
IMPORTANT :

- Always attach tires as shown in the drawings.
- If not attached as illustrated, transmission parts may be damaged.
- When re-fitting or adjusting a wheel, tighten the bolts to the following torques then recheck after driving the tractor forward and backward for 5 minutes and thereafter on a daily basis.



1AGAEBCAP130A

(1) Nut
(2) Spring washer
(3) Bolt
(4) Wheel hub pin
(5) Snap pin
(A) 123 to 147 N-m (12.6 to 15.0 kgf-m, 91 to 108 ft-lbs)
(B) 108 to 125 N-m (11.0 to 12.8 kgf-m, 80 to 93 ft-lbs)



1AGAEBCAP152A

(1) Nut
(2) Spring washer
(3) Bolt
(C) Cotter
(D) Cotter

IMPORTANT :

- Insert the bolt from the indented side of the cotter (C) as shown.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 8 of 88 pages

The full manual includes:

- All 88 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Kubota B2320, B2620, B2920, B2320NARROW, B2320DTN-1, B2320DT, B2320HSDN, B2320HSD, B2620HSD, B2920HSD Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual