SAFE OPERATION

Careful operation is your best insurance against an accident.

Read and understand this section carefully before operating the tractor.

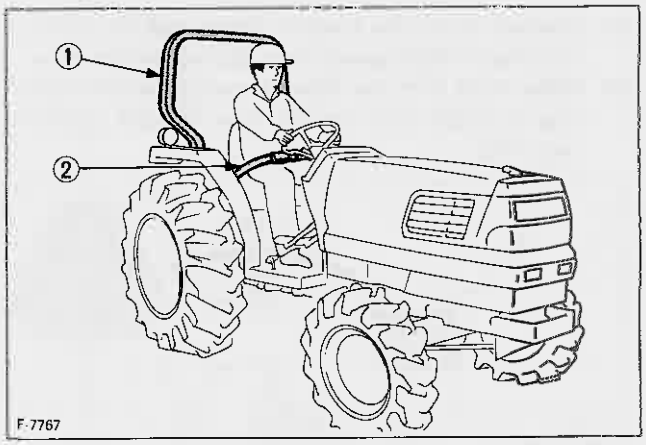
All operators, no matter how much experience they may have had, should read this and other related manuals before operating the tractor or any implement attached to it. It is the owner's obligation to instruct all operators in safe operation.

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 itself.

(3) KUBOTA recommends the use of a 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 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 any portion may weaken the structure.
A damaged ROPS structure must be replaced, not repaired or revised. If any structural member of the ROPS is damaged, replace the entire structure at your local KUBOTA dealer.



① *ROPS*
② *Seat belt*

(4) Always use the seat belt if the tractor has a ROPS. Do not use it if 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, or other 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 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 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 throughout operation.

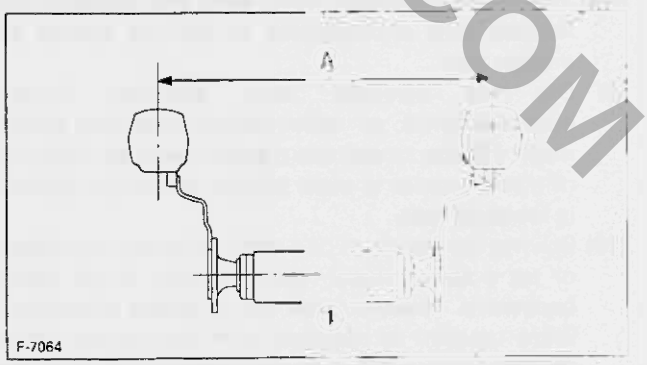
(10) Check brakes, clutch, and other mechanical parts for improper adjustment and wear. Replace worn or damaged parts promptly. Check the tightness of all nuts and bolts regularly. (For further details, see Maintenance section.)

(11) Keep your tractor clean. Dirt, grease, and trash accumulations contribute to fires and lead to personal injury.

(12) Use only implements meeting the specifications listed under IMPLEMENT LIMITATIONS in this manual and use only implements approved by KUBOTA.

(13) Use proper weights to front or rear of tractor to reduce the risk of upsets. When using the front loader, put the implement or ballast on 3-point hitch to improve stability. Follow the safe operating procedures specified in the attached manual to the equipment.

(14) The narrower the tread, the greater the risk of a tractor upset. For maximum stability, adjust the wheels to the widest practical tread width. (See "TIRES, WHEELS AND BALLAST" Section)



① *Rear wheels* Ⓐ*Tread Width*

(15) Do not modify the tractor if special applications may be unsafe.

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SPECIFICATIONS

SPECIFICATION TABLE [GST Type]

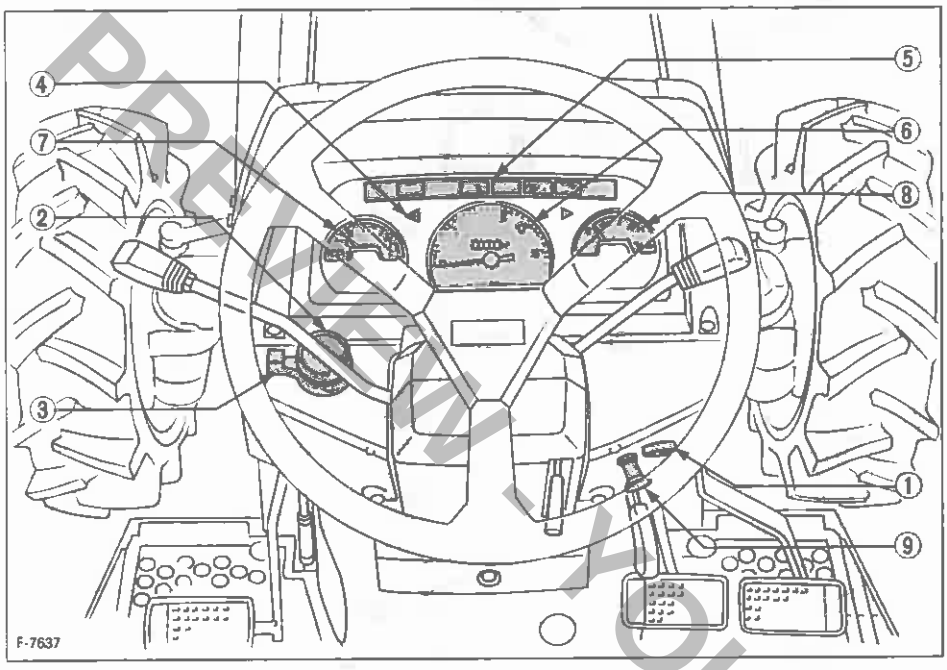
			L2900GST	L3300GST	L3600GST	L4200GST	
Model			4WD	4WD	4WD	2WD	4WD
PTO power kW (HP)			18.7 (25.0)*	20.9 (28.0)*	23.1 (31.0)*	27.6 (37.0)*	
Engine	Maker		KUBOTA				
	Model		D1503-L-A	D1703-A	V1903-A	V2203-A	
	Type		Indirect Injection Vertical, water-cooled, 4-cycle diesel				
	Number of cylinders		3		4		
	Bore and stroke mm (in.)		83X92.4 (3.3X3.6)	87X92.4 (3.4X3.6)	80X92.4 (3.1X3.6)	87X92.4 (3.4X3.6)	
	Total displacement cm³ (cu. in.)		1499 (91.5)	1647 (100.5)	1857 (113.3)	2197 (134.1)	
	Engine gross power kW (HP)		23.9 (32.1)*	26.2 (35.1)*	28.7 (38.5)*	33.8 (45.3)*	
	Rated revolution r/s (rpm)		45.0 (2700)		43.3 (2600)		
	Maximum torque kgf-m (ft-lb)		9.8 (70.9)	10.8 (77.9)	12.3 (88.7)	14.2 (102.9)	
	Battery		12V, RC:123 min, CCA:490A		12V, RC:137 min, CCA:447A		
	Fuel		Diesel fuel No.1 [below−10°C (14°F)] Diesel fuel No.2 [above−10°C (14°F)]				
Capacities	Fuel tank ℓ (U.S. gals.)		35.0 (9.2)				
	Engine crankcase (with filter) ℓ (U.S. qts.)		3.5 (3.7)		6.0 (6.3)		
	Engine coolant ℓ (U.S. qts.)		7.0 (7.4)		7.5 (7.9)		
	Transmission case ℓ (U.S. gals.)		39.0 (10.3)				
Dimensions	Overall length (without 3p) mm (in.)		2820 (111.0)	2850 (112.2)	3000 (118.1)	3020 (118.9)	
	Overall width (min. tread) mm (in.)		1325 (52.2)	1355 (53.3)	1425 (56.1)	1585 (62.4)	
	Overall height (with ROPS) mm (in.)		2090 (82.3)	2130 (83.9)	2120 (83.5)	2145 (84.4)	
	Overall height (Top of steering wheel) mm (in.)		1515 (59.6)	1530 (60.2)	1525 (60.0)	1535 (60.4)	
	Wheel base mm (in.)		1670 (65.7)		1805 (71.1)	1810 (71.3)	1805 (71.1)
	Min. ground clearance mm (in.)		325 (12.8)	350 (13.8)	335 (13.2)	370 (14.6)	
	Tread	Front mm (in.)	1105 (43.5)		1155 (45.5)	1145 (45.1) 1245 (49.0) 1345 (53.0) 1445 (56.9)	1155 (45.5)
		Rear mm (in.)	1035 (40.7), 1120 (44.1) 1220 (48.0), 1305 (51.4) 1405 (55.3)		1080 (42.5), 1180 (46.4) 1200 (47.2), 1300 (51.2) 1450 (57.1), 1545 (60.8)	1180 (46.5), 1200 (47.2) 1300 (51.2), 1450 (57.1) 1545 (60.8)	
Weight (with ROPS) kg (lbs.)			1235 (2720)	1260 (2775)	1345 (2965)	1375 (3030)	1380 (3040)
Clutch			Dry type single stage				
Traveling system	Tires	Front	7.2-16		8.3-16	6.00-16	8.3-16
		Rear	11.2-24	12.4-24	13.6-24	14.9-24	
	Steering		Hydrostatic power steering				
	Transmission		Glide shift transmission (8 forward and 8 reverse speeds)				
	Brake		Wet disk type				
	Min. turning radius (with brake) m (feet)		2.5 (8.2)		2.6 (8.5)	2.5 (8.2)	2.6 (8.5)
Hydraulic unit	Hydraulic control system		Position control				
	Pump capacity ℓ/min (gals/min)		26.4 (7.0)		29.5 (7.8)		
	Three point hitch		SAE Category I				
	Max. lift force	At lift points kg (lbs.)	1300 (2870)				
		24in. behind lift points kg (lbs.)	1000 (2200)		1050 (2310)		
	System pressure kgf/cm² (psi.)		175 (2490)				
PTO	Rear PTO		SAE 1-3/8, 6 splines (with overrunning clutch)				
	Revolution		1 speed: 9.0 r/s (540rpm)/ engine 44.5 r/s (2670rpm)		1 speed: 9.0 r/s (540rpm)/ engine 40.8 r/s (2447rpm)		
	MID-PTO (if equipped)		USA No.5 (KUBOTA 10-tooth) involute spline			—	
	Revolution		1 speed: 33.3 r/s (2000rpm)/ engine 43.7 r/s (2623rpm)		1 speed: 33.3 r/s (2000rpm)/ engine 40.1 r/s (2404rpm)	—	

NOTE: * Manufacturer's estimate The company reserves the right to change the specifications without notice.

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INSTRUMENT PANEL AND CONTROLS

Instrument Panel, Switches and Hand Controls



ILLUSTRATED CONTENTS

① *Key switch* *18*
② *Head light switch* *22*
③ *Hazard light switch* *22*
④ *Hazard light indicator* *22*
⑤ *Easy Checker™* *18,19,29*
⑥ *Hourmeter / Tachometer* *30*
⑦ *Fuel gauge* *29*
⑧ *Coolant temperature gauge* *30*
⑨ *Engine stop knob* *19*

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OPERATING THE ENGINE

CAUTION
To avoid personal injury:
- **Read "Safe Operation" in the front of this manual.**
- **Read the danger, warning and caution labels located on the tractor.**
- **To avoid the danger of exhaust fume poisoning, do not operate the engine in a closed building without proper ventilation.**
- **Never start engine while standing on ground. Start engine only from operator's seat.**

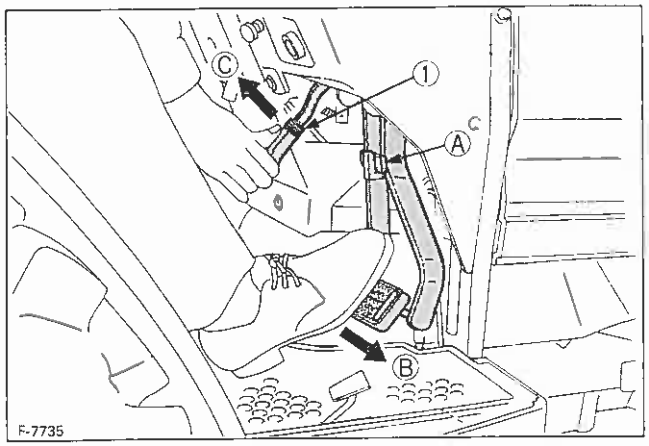
IMPORTANT:
- Do not use starting fluid or ether.
- When starting the engine after long storage (of more than three months), first pull the engine stop knob and then activate the starter for about ten seconds to allow oil to reach every engine part.
- To protect the battery and the starter, make sure that the starter is not continuously turned for more than 30 seconds.

STARTING THE ENGINE

1. Set the parking brake

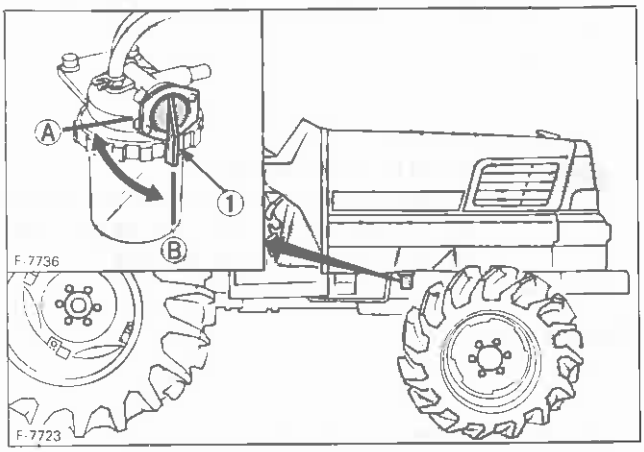
(1) To set the parking brake;
1) Interlock the brake pedals.
2) Depress the brake pedals.
3) Latch the brake pedals with the parking brake lever.

(2) To release the parking brake, depress the brake pedals again.



① *Parking brake lever* Ⓐ *Interlock the brake pedals*
Ⓑ *"DEPRESS"*
Ⓒ *"PULL"*

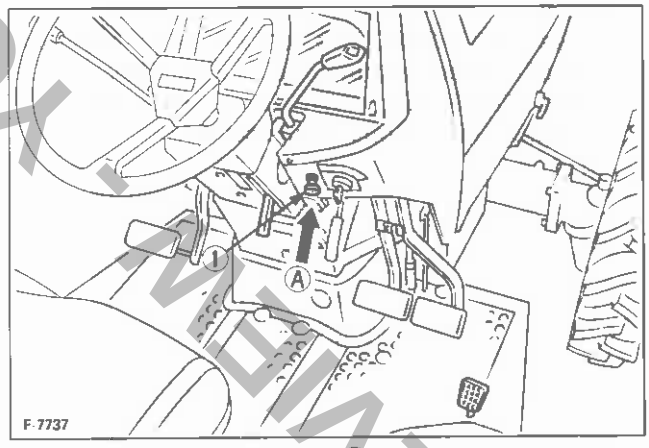
2. Make sure the fuel cock is in the "OPEN" position.



① *Fuel cock* Ⓐ *"CLOSE"*
Ⓑ *"OPEN"*

3. Make sure the engine stop knob is pushed in.

Push in the engine stop knob if it is pulled out, or the engine will not start.



① *Engine stop knob* Ⓐ *"PUSH"*

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MAINTENANCE

SERVICE INTERVALS

No.	Items	Period	Indication on hour meter															Since then	Reference page
			50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	
1	Engine oil	Change	◎	○		○		○		○		○		○		○		○	every 100 Hr	58
2	Engine oil filter	Replace	◎			○				○				○				○	every 200 Hr	61
3	Hydraulic oil filter	Replace	◎			○				○				○				○	every 200 Hr	61
4	Transmission fluid	Change	◎							○								○	every 400 Hr	63
5	Front axle case oil	Change	◎							○								○	every 400 Hr	64
6	Front axle pivot	Adjust	◎							○								○	every 400 Hr	64
7	Greasing		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	54, 55
8	Engine start system	Check	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	55
9	Wheel bolt torque	Check	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	56
10	Battery condition	Check	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	56
11	Air cleaner element	Clean		○		○		○		○		○		○		○		○	every 100 Hr*	58
		Replace																	every 1 year	65
12	Fuel filter element	Clean		○		○		○		○		○		○		○		○	every 100 Hr	59
		Replace								○								○	every 400 Hr	64
13	Fan belt	Adjust		○		○		○		○		○		○		○		○	every 100 Hr	59
14	Clutch	Adjust		○		○		○		○		○		○		○		○	every 100 Hr	60
15	Brake	Adjust		○		○		○		○		○		○		○		○	every 100 Hr	60
16	Radiator hose and clamp	Check				○				○				○				○	every 200 Hr	62
		Replace																	every 2 years	66
17	Power steering oil line	Check				○				○				○				○	every 200 Hr	62
		Replace																	every 2 years	66
18	Fuel line	Check				○				○				○				○	every 200 Hr	62
		Replace																	every 2 years	60
19	Toe-in	adjust				○				○				○				○	every 200 Hr	63
20	Greasing (2WD front wheel hub)									○								○	every 400 Hr	65
21	Engine valve clearance	Adjust																○	every 800 Hr**	65
22	Cooling system	Flush																	every 2 years	65
23	Coolant	Change																	every 2 years	65
24	Fuel system	Bleed																	Service as required	66
25	Clutch housing water	Drain																		67
26	Fuse	Replace																		67
27	Light bulb	Replace																		68

IMPORTANT

- The jobs indicated by ◎ must be done by all means 50 hours after the break-in respectively.

* Air cleaner should be cleaned more often in dusty conditions than in normal conditions.

** Consult your local KUBOTA dealer for this service.

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Front Wheels (with four wheel drive)

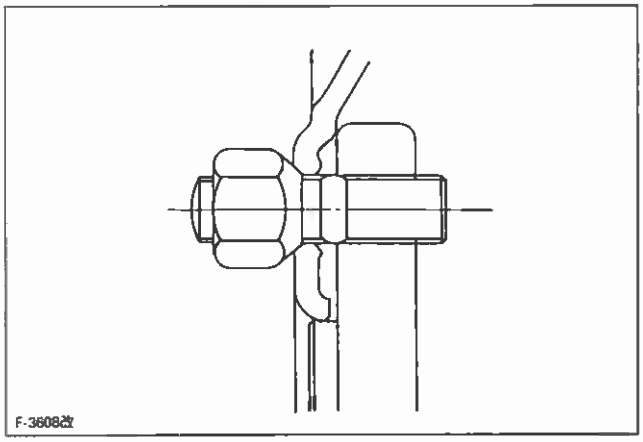
Front tread can not be adjusted.

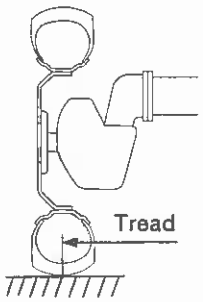
IMPORTANT:

- Do not turn front discs to obtain wider tread.

NOTE:

- Wheels with beveled or tapered holes: Use the tapered side of lug nut.





Models	L2900 · L3300					
Tires	7.2—16 Farm	25X8.50—14 Turf	27X8.50—15 Turf	27X10.50—15 Turf	29X12.50—15 Turf	10—16.5 IND
Tread	1105 mm (43.5 in.)	1135 mm (44.7 in.)	1150 mm (45.3 in.)	1180 mm (46.5 in.)	1230 mm (48.4 in.)	1180 (46.5 in.)
Models	**L3600**					
Tires	7.2—16 Farm	8.3—16 Farm	27X8.50—15 Turf	27X10.50—15 Turf	29X12.50—15 Turf	10—16.5 IND
Tread	1155 mm (45.5 in.)	1155 mm (45.5 in.)	1200 mm (47.2 in.)	1230 mm (48.4 in.)	1280 mm (50.4 in.)	1230 mm (48.4 in.)
Models	**L4200**					
Tires	—	8.3—16 Farm	27X8.50—15 Turf	27X10.50—15 Turf	29X12.50—15 Turf	10—16.5 IND
Tread	—	1155 mm (45.5 in.)	1200 mm (47.2 in.)	1230 mm (48.4 in.)	1280 mm (50.4 in.)	1230 mm (48.4 in.)

NOTE:

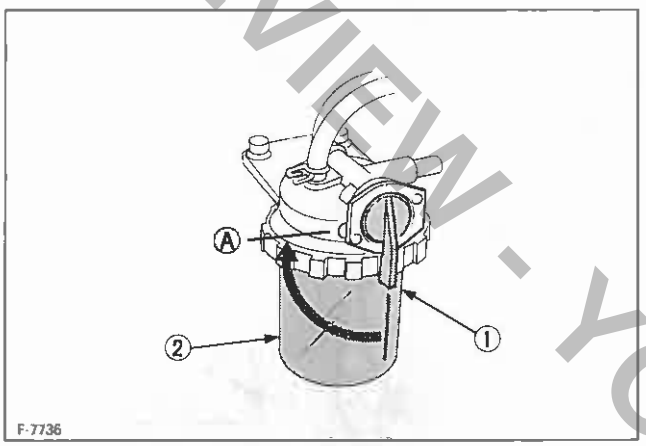
- IND···for Industrial

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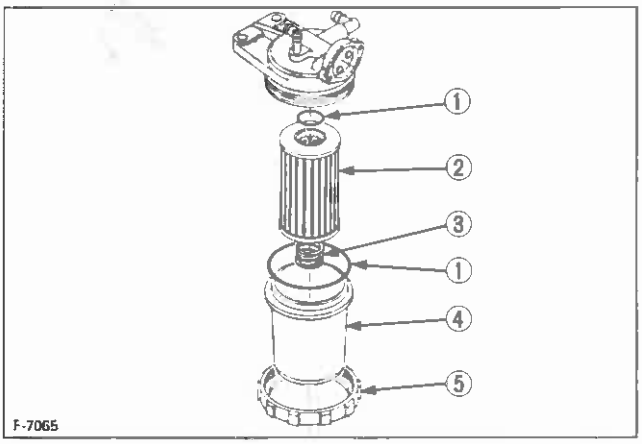
Cleaning Fuel Filter

This job should not be done in the field, but in a clean place.

(1) Close the fuel filter cock.
(2) Unscrew the screw ring and remove the filter bowl, and rinse the inside with kerosene.
(3) Take out the element and dip it in the kerosene to rinse.
(4) After cleaning, reassemble the fuel filter, keeping out dust and dirt.
(5) Bleed the fuel system.
(See "Bleeding Fuel System" in as required maintenance)



① *Fuel cock* Ⓐ *"CLOSE"*
② *Fuel filter bowl*



① *O ring*
② *Filter element*
③ *Spring*
④ *Filter bowl*
⑤ *Screw ring*

IMPORTANT:

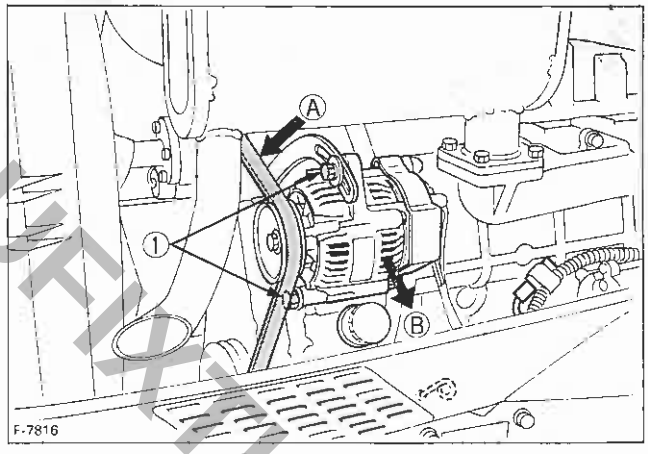
- If dust and dirt enters the fuel system, the fuel pump and injection nozzles are subject to premature wear. To prevent this, be sure to clean the fuel filter bowl periodically.

Adjusting Fan Belt Tension

CAUTION
To avoid personal injury:
- **Be sure to stop the engine before checking belt tension.**

Proper fan belt tension	A deflection of between 7 to 9 mm (0.28 to 0.34 in.) when the belt is pressed in the middle of the span.

(1) Stop the engine and remove the key.
(2) Apply moderate thumb pressure to belt between pulleys.
(3) If tension is incorrect, loosen the alternator mounting bolts and, using a lever placed between the alternator and the engine block, pull the alternator out until the deflection of the belt falls within acceptable limits.
(4) Replace fan belt if it is damaged.



① *Bolt* Ⓐ *Check the belt tension*
Ⓑ *To tighten*

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IMPLEMENT LIMITATIONS

The KUBOTA Tractor has been throughly tested for proper performance with implements sold or approved by KUBOTA. Use with implements which exceed the maximum specifications listed below, or which are otherwise unfit for use with the KUBOTA Tractor may result in malfunctions or failures of the tractor, damage to other property and injury to the operator or others. [Any malfunctions or failures of the tractor resulting from use with improper implements are not covered by the warranty.]

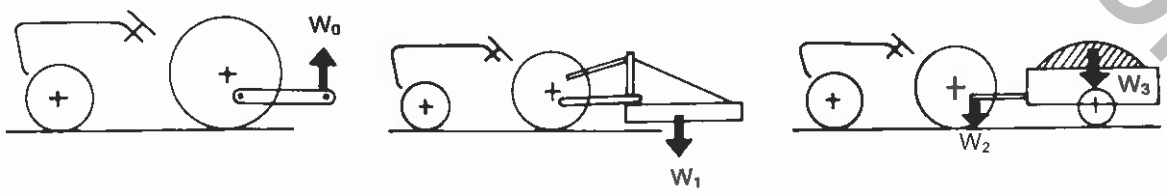
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	Tread (max. width) with farm tires			Lower link end max. lifting capacity W_0
	Front		Rear	
	2WD	4WD		
L2900	1260 mm (49.6 in.)	1105 mm (43.5 in.)	1405 mm (55.3 in.)	1300 kg (2870 lbs.)
L3300				
L3600	1445 mm (56.9 in.)	1155 mm (45.5 in.)	1545 mm (60.8 in.)	
L4200		1180 mm (46.5 in.)		

	Actual figures		
	Implement weight W_1 and/or size	Max. Drawbar Load W_2	Trailer loading weight W_3 Max. capacity
L2900	As in the following list (Shown on the next page)	500 kg (1100 lbs.)	1500 kg (3300 lbs.)
L3300		650 kg (1430 lbs.)	2000 kg (4400 lbs.)
L3600			2500 kg (5500 lbs.)
L4200			3000 kg (6600 lbs.)

Lower link end max. hydraulic lifting capacity W_0
Implement weight .....The implement's weight which can be put on the lower link: W_1
Max. drawbar load .....W_2
Trailer loading weight .....The max. loading weight for trailer (without trailer's weight): W_3



NOTE:

- Implement size may vary depending on soil operating conditions.

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