OPERATOR'S MANUAL

KUBOTA TRACTOR

MODELS M4700•M5400



F-8698

READ AND SAVE THIS MANUAL

Kubota

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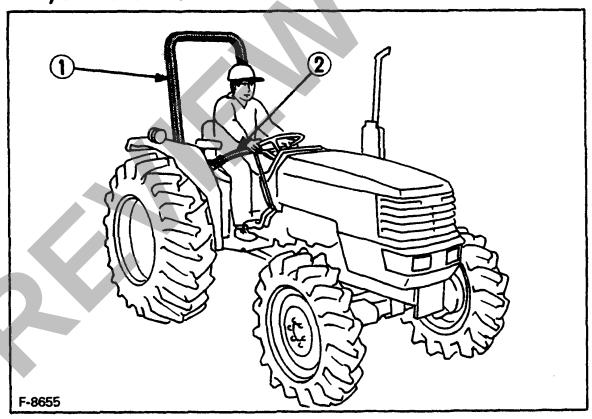
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SAFE OPERATION

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.

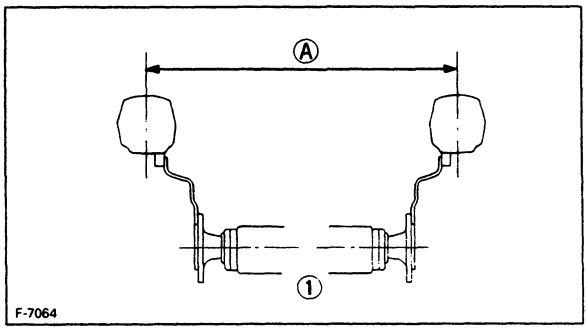
1. BEFORE OPERATING THE TRACTOR

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 *(A) Tread Width*

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

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SPECIFICATIONS

SPECIFICATION TABLE

Model			M4700		M5400	
			2WD	4WD	2WD	4WD
Engine	Model		F2803-LA		F2803-A	
	Type		Vertical, water-cooled 4 cycle diesel engine			
	Number of cylinders		5			
	Total displacement	cm^3(cu.in.)	2746 (167.6)			
	Bore and stroke	mm(in.)	87×92.4 (3.4×3.6)			
	Net power	kW(HP)	35.1 (47.0)		40.3 (54.0)	
	PTO power (factory observed)	kW(HP)/min^{-1}(rpm)	31.3 (42) / 2600		37.3 (50) / 2700	
	Maximum torque	N·m(ft·lbs)/min^{-1}(rpm)	158 (116.5) / 1400 to 1600		175 (129.0) / 1400 to 1600	
	Battery capacity		12V, RC:150min, CCA 615A			
	Fuel		Diesel fuel No.1(below −10°C (14°F)), Diesel fuel No.2 (above −10°C (14°F))			
	Fuel tank capacity	L(U.S.gals.)	65 (17.2)			
	Engine oil capacity	L(U.S.qts.)	8 (8.5)			
	Coolant capacity	L(U.S.qts.)	6.2 (6.6)		8.0 (8.5)	
Dimensions	Overall length	mm(in.)	3495 (137.6)	3405 (134.1)	3495 (137.6)	3405 (134.1)
	Overall width (minimum tread)	mm(in.)	1706 (67.2)		1850 (72.8)	
	Overall height (with ROPS)	mm(in.)	2357 (93.0)		2375 (93.5)	
	Wheel base	mm(in.)	2000 (78.7)			
	Tread Front	mm(in.)	1420 (55.9) to 1820 (71.7)	1330 (52.4) 1430 (56.3)	1420 (55.9) to 1820 (71.7)	1330 (52.4) 1430 (56.3)
	Tread Rear	mm(in.)	1420 (55.9) to 1720 (67.7)			
	Minimum ground clearance	mm(in.)	430 (16.9) (BRACKET DRAWBAR)		460 (18.1) (BRACKET DRAWBAR)	
Weight (With ROPS)		kg (lbs.)	1700 (3748)	1800 (3968)	1750 (3858)	1850 (4078)
Traveling system	Standard tire size Front tires		6.5−16	9.5−22	7.5−16	9.5−22
	Standard tire size Rear tires		14.9−28		16.9−28	
	Clutch		Single dry plate			
	Steering		Hydrostatic Power Steering			
	Braking system		Multiple Wet disk mechanical			
	Differential		Bevel gears with diff. lock			
Hydraulic unit	Hydraulic control system		Position, draft and mix control			
	Pump capacity	L(U.S.qts.)/min	35 (37)		41.5 (43.9)	
	Three point hitch		Category Ⅰ and Ⅱ			
	Max. lifting force At lifting points	kg(lbs.)	1900 (4200) At Lower link end with Links Horizontal			
	Max. lifting force 24 in. behind lifting point	kg(lbs.)	1500 (3307)			
	System pressure	MPa(kgf/cm^2)	19.1 (195)			
	Traction system		Swinging drawbar, adjustable in direction			
PTO	Live PTO (Independent) Direction of turning		Clockwise, viewed from tractor rear			
	Live PTO (Independent) Standard PTO		540 min^{-1}(rpm) at 2295 engine min^{-1}(rpm)			

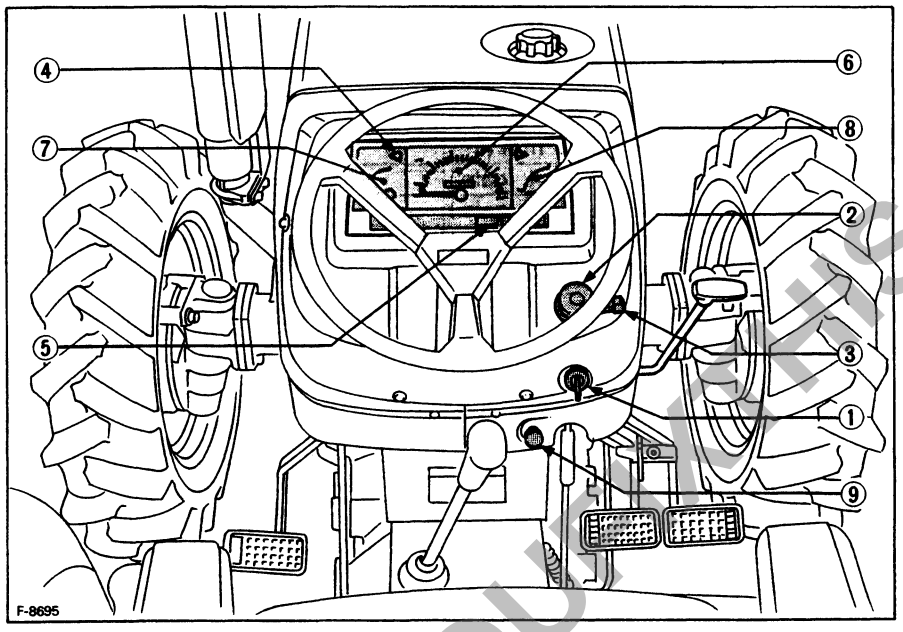
NOTE: * Manufacturer's estimate The company reserves the right to change the specifications without notice.

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INSTRUMENT PANEL AND CONTROLS

■ Instrument Panel, Switches and Hand Controls



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(1) Key switch 17
(2) Head light switch 21
(3) Hazard light switch 21
(4) Hazard light indicator 21
(5) Easy Checker™ 17, 26
(6) Hourmeter / Tachometer 27
(7) Fuel gauge 26
(8) Coolant temperature gauge 27
(9) Engine stop knob 18

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PRE-OPERATION CHECK

DAILY CHECK

To prevent trouble from occurring, it is important to know the conditions 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".**

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.)

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OPERATING THE ENGINE

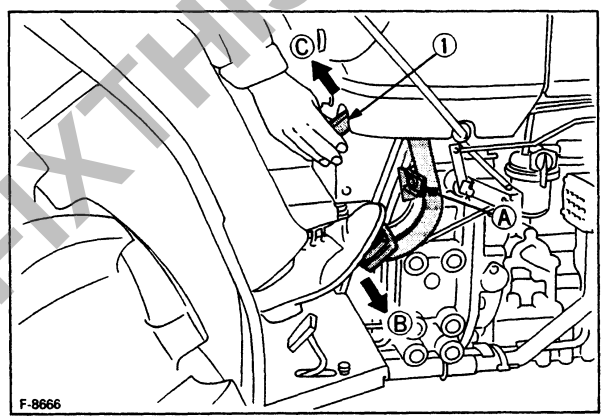
CAUTION
To avoid personal injury:
- **Read "Safe Operation" in the front of this manual.**
- **Read the danger, warning and caution labels located on the tractor.**
- **To avoid the danger of exhaust fume poisoning, do not operate the engine in a closed building without proper ventilation.**
- **Never 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

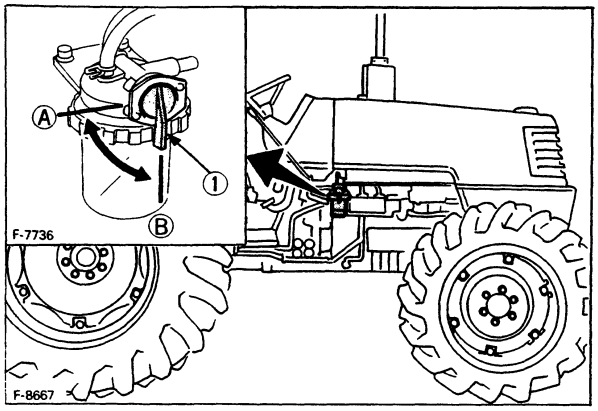
1. Set the parking brake

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 *(A) Interlock the brake pedals*
(B) "DEPRESS"
(C) "PULL"

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

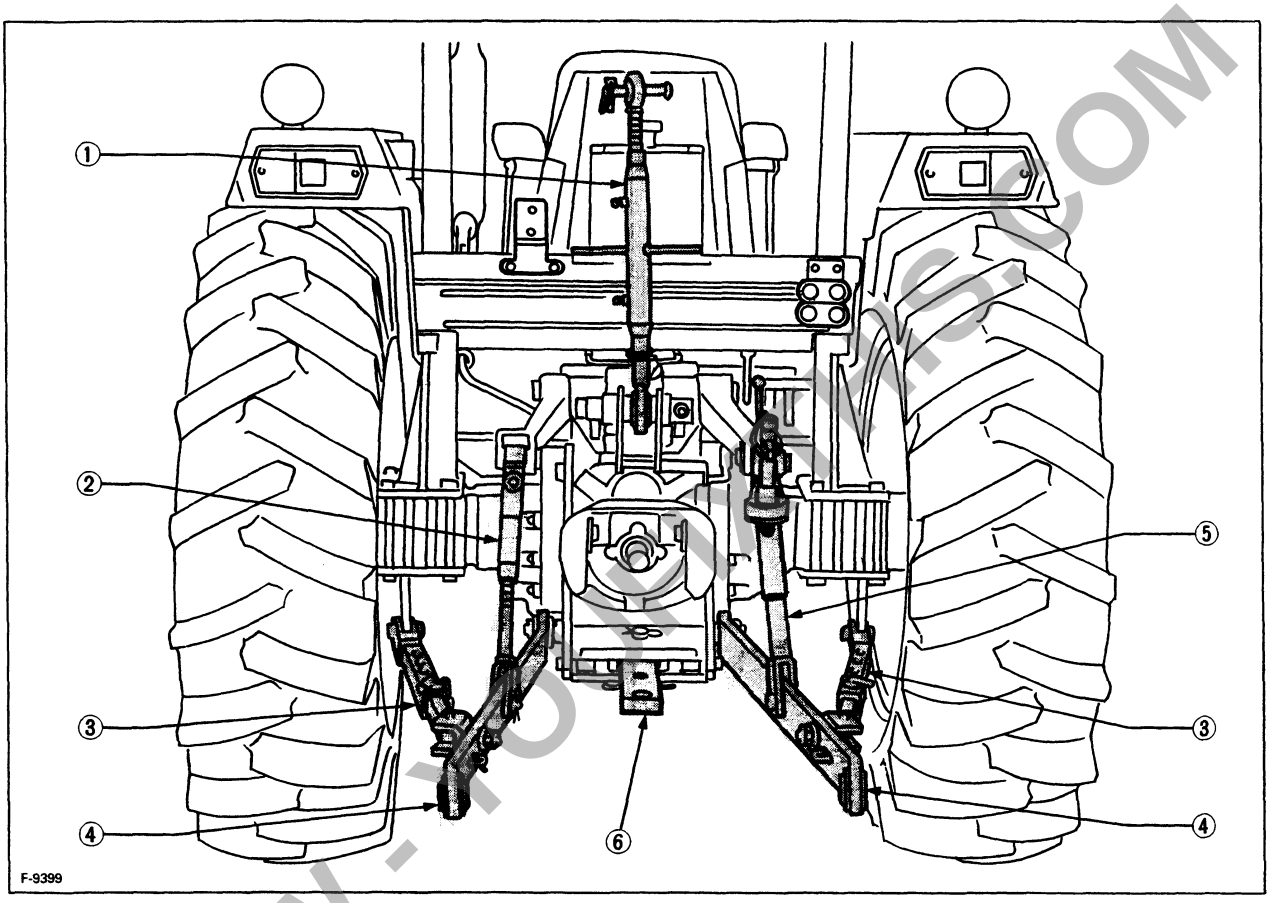


(1) Fuel cock *(A) "CLOSE"*
(B) "OPEN"

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THREE-POINT HITCH & DRAWBAR



(1) Top link
(2) Lifting rod (Left)
(3) Telescopic stabilizers
(4) Lower link
(5) Lifting rod (Right)
(6) Drawbar

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