

# OPERATOR'S MANUAL

# KUBOTA TRACTOR

MODELS M4700•M5400



F-8698



















*READ AND SAVE THIS MANUAL*

**Kubota**



# UNIVERSAL SYMBOLS

As a guide to the operation of your tractor, various universal symbols have been utilized on the instruments and controls. The symbols are shown below with an indication of their meaning.

	Safety Alert Symbol		Remote Cylinder-Retract
	Diesel Fuel		Remote Cylinder-Extend
	Fuel-Level		Steering Wheel-Tilt Control
	Engine-Rotational Speed		Hazard Warning Lights
	Hourmeter/Elapsed Operating Hours		Headlight-Low Beam
	Engine Coolant-Temperature		Headlight-High Beam
	Diesel Preheat/Glow Plugs(Low Temperature Start Aid)		Four-Wheel Drive-On
	Parking Brake		Four-Wheel Drive-Off
	Engine Intake/Combustion Air-Filter		Fast
	Battery Charging Condition		Slow
	Engine Oil-Pressure		Creep
	Turn Signal		Read Operator's Manual
	Engine-Stop		Tractor-Forward Movement-Overhead View of Machine
	Engine Shut-Off Control		Tractor-Rearward Movement-Overhead View of Machine
	Electrical Power off		Engine Speed Control
	Engine-Run		
	Starter Control		
	Power Take-Off Clutch Control-Off Position		
	Power Take-Off Clutch Control-On Position		
	Differential Lock		
	Position Control-Raised Position		
	Position Control-Lowered Position		
	Draft Control-Shallow Position		
	Draft Control-Deep Position		
	3-Point Lowering Speed Control		

# FOREWARD

You are now the proud owner of a KUBOTA Tractor. This tractor is a product of Kubota quality engineering and manufacturing. It is made of the finest materials and under a rigid quality control system. It will give you long, satisfactory service. To obtain the best use of your tractor, please read this manual carefully. It will help you become familiar with the operation of the tractor and contains many helpful hints about tractor maintenance. It is Kubota's policy to utilize as quickly as possible every advance in our research. The immediate use of new techniques in the manufacture of products may cause some small parts of this manual to be outdated. Kubota distributors and dealers will have the most up-to-date information. Please do not hesitate to consult with them.



## SAFETY FIRST

This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.



**DANGER :** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



**WARNING :** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



**CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**IMPORTANT :** Indicates that equipment or property damage could result if instructions are not followed.

**NOTE :** Gives helpful information.

# CONTENTS

## **▲ SAFE OPERATION ..... 1**

**SERVICING OF TRACTOR ..... 7**

**SPECIFICATIONS ..... 8**

SPECIFICATION TABLE ..... 8

TRAVELING SPEEDS ..... 9

**IMPLEMENT LIMITATIONS ..... 10**

### **Operation Section**

**INSTRUMENT PANEL AND CONTROLS .... 12**

**PRE-OPERATION CHECK ..... 14**

DAILY CHECK ..... 14

**OPERATING THE ENGINE ..... 15**

STARTING THE ENGINE ..... 15

STOPPING THE ENGINE ..... 18

WARMING UP ..... 18

JUMP STARTING ..... 19

**OPERATING THE TRACTOR ..... 20**

OPERATING NEW TRACTOR ..... 20

STARTING ..... 20

STOPPING ..... 25

CHECK DURING DRIVING ..... 26

PARKING ..... 27

OPERATING TECHNIQUES ..... 28

**PTO ..... 30**

PTO OPERATION ..... 30

**THREE-POINT HITCH & DRAWBAR ..... 31**

3-POINT HITCH ..... 32

DRAWBAR ..... 34

**HYDRAULIC UNIT ..... 35**

3-POINT HITCH CONTROL SYSTEM ..... 35

REMOTE HYDRAULIC  
CONTROL SYSTEM (if equipped) ..... 36

**TIRES, WHEELS AND BALLAST ..... 39**

TIRES ..... 39

WHEEL ADJUSTMENT ..... 39

BALLAST ..... 42

### **Maintenance Section**

**MAINTENANCE ..... 43**

SERVICE INTERVALS ..... 43

LUBRICANTS ..... 44

**PERIODIC SERVICE ..... 45**

HOW TO OPEN THE HOOD ..... 45

DAILY CHECK ..... 45

EVERY 50 HOURS ..... 48

EVERY 100 HOURS ..... 49

EVERY 200 HOURS ..... 53

EVERY 400 HOURS ..... 56

EVERY 600 HOURS ..... 56

EVERY 800 HOURS ..... 57

EVERY 1 YEAR ..... 57

EVERY 2 YEARS ..... 58

SERVICE AS REQUIRED ..... 59

**STORAGE ..... 61**

TRACTOR STORAGE ..... 61

REMOVING THE TRACTOR  
FROM STORAGE ..... 61

**TROUBLESHOOTING ..... 62**

ENGINE TROUBLESHOOTING ..... 62

**OPTIONS ..... 63**



# 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.

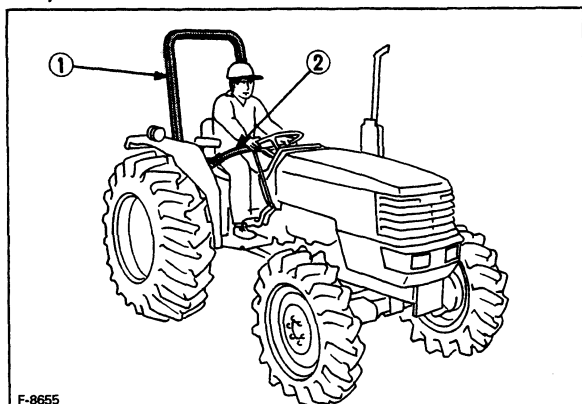
## 1. BEFORE OPERATING THE TRACTOR

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.

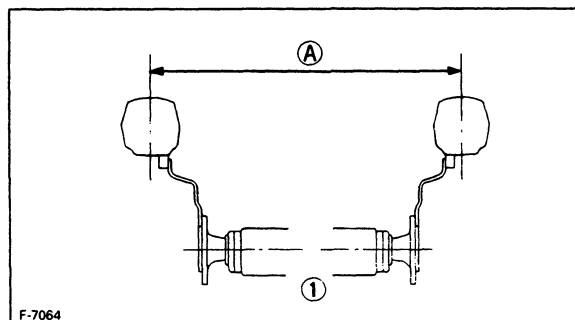


(1) ROPS

(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.