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⚠ SAFE OPERATION

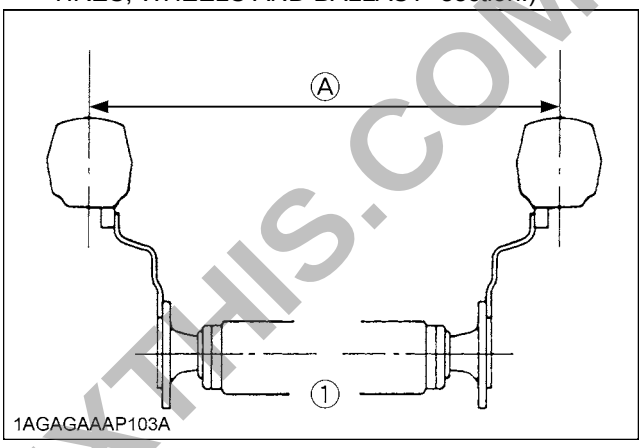
Careful operation is your best insurance against an accident.

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. Do not operate the tractor or any implement attached to it while under the influence of alcohol, medication, controlled substances or while fatigued.
4. Before allowing other people to use your tractor, explain how to operate and have them read this manual before operation.
5. 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.
6. Do not allow passengers to ride on any part of the tractor at anytime. The operator must remain in the tractor seat during operation.
7. Check brakes, clutch, linkage pins 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.)
8. Keep your tractor clean. Dirt, grease, and trash build up may contribute to fires and lead to personal injury.
9. Use only implements meeting the specifications listed under "IMPLEMENT LIMITATIONS" in this manual or implements approved by KUBOTA.
10. Use proper weights on the front or rear of the tractor to reduce the risk of upsets. When using the front loader, put an implement or ballast on the 3-point hitch to improve stability. Follow the safe operating procedures specified in the implement or attachment manual.
11. The narrower the tread, the greater the risk of a tractor upset. For maximum stability, adjust the wheels to the widest practical tread width for your application. (See "TIRES, WHEELS AND BALLAST" section.)



(1) Rear wheels *(A) Tread Width*

12. Do not modify the tractor. Unauthorized modification may affect the function of the tractor, which may result in personal injury.

◆ **CAB, ROPS**

1. 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. Check for overhead clearance which may interfere with a CAB or ROPS.
2. Set parking brake and stop engine. Remove any obstruction that may prevent raising or folding of the ROPS. Do not allow any bystanders. Always perform function from a stable position at the rear of the tractor. Hold the top of the ROPS securely when raising or folding. Make sure all pins are installed and locked.
3. If the CAB or ROPS is loosened or removed for any reason, make sure that all parts are reinstalled correctly before operating the tractor.
4. Never modify or repair any structural member of a CAB or ROPS because welding, bending, drilling, grinding, or cutting may weaken the structure.
5. If any structural member of the CAB or ROPS is damaged, replace the entire structure at your local KUBOTA Dealer.
6. 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.)

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SPECIFICATIONS

SPECIFICATION TABLE

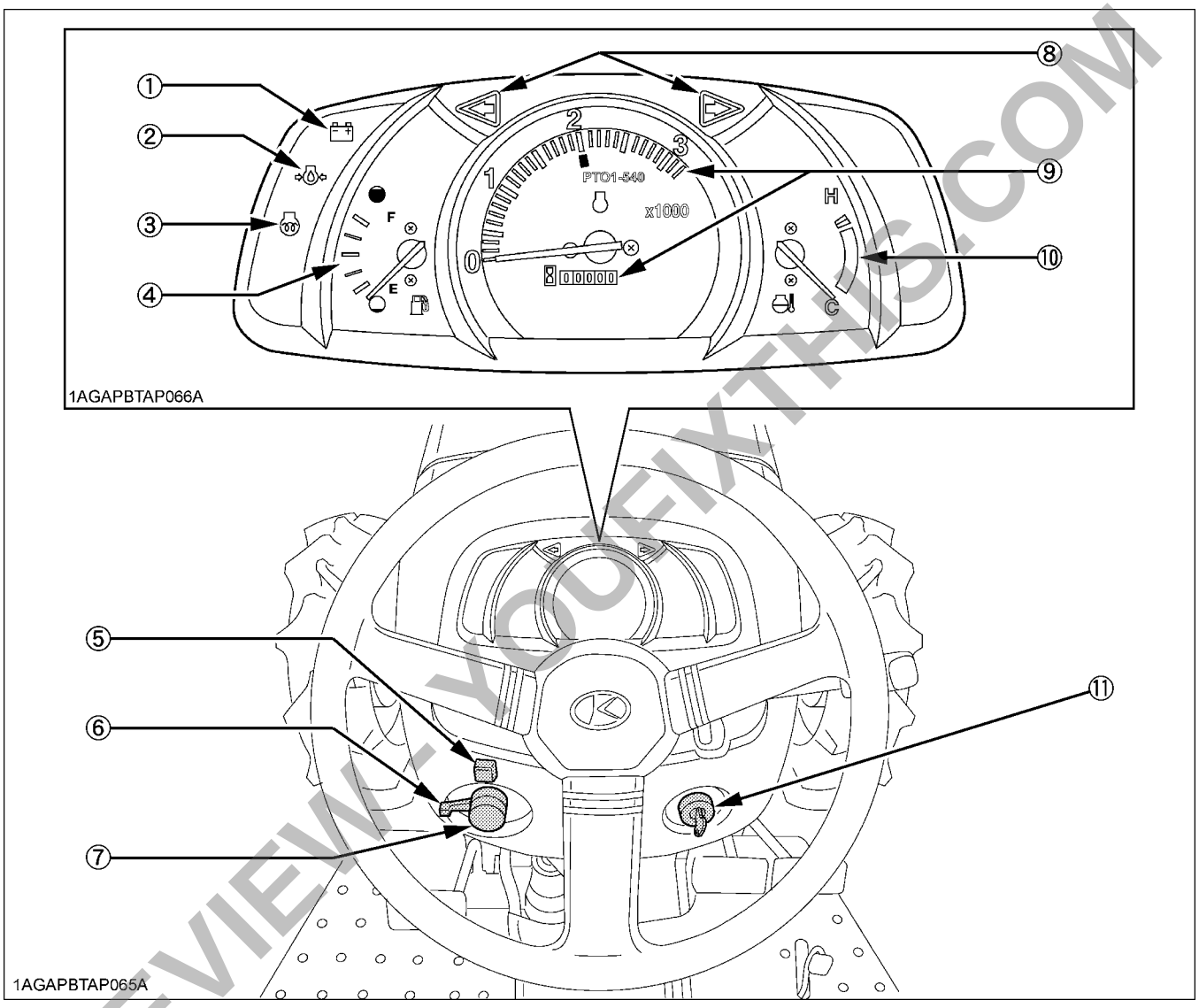
Model				L2501		
				Manual Transmission		HST
				2WD	4WD	4WD
PTO power*			kW (HP)	15.3 (20.5)		14.2 (19.0)
Engine	Maker			KUBOTA		
	Model			D1703-M-DI-E4		
	Type			Direct injection, Vertical, Water-Cooled 4 cycle diesel		
	Number of cylinders			3		
	Bore and stroke		mm (in.)	87 x 92.4 (3.4 x 3.6)		
	Total displacement		L (cu.in.)	1.647 (100.47)		
	Engine gross power*		kW (HP)	18.5 (24.8)		
	Engine net power*		kW (HP)	17.8 (23.9)		
	Rated revolution		rps (rpm)	36.7 (2200)		
	Low idling revolution		rps (rpm)	17.5 to 19.2 (1050 to 1150)		
	Maximum torque		N-m (ft-lbs.)	95.2 (70.2)		
	Battery			12V. RC : 123 min, CCA : 490 A		
Capacities	Fuel tank		L (U.S.gals.)	38.0 (10.0)		
	Engine crankcase (with filter)		L (U.S.qts.)	5.7 (6.0)		
	Engine coolant		L (U.S.qts.)	6.0 (6.3)		
	Transmission case		L (U.S.gals.)	27.0 (7.1)	27.5 (7.3)	23.5 (6.2)
Dimensions	Overall length (without 3p)		mm (in.)	2810 (110.6)	2700 (106.3)	
	Overall width (min.tread)		mm (in.)	1400 (55.1)		
	Overall height (with ROPS)		mm (in.)	2330 (91.7)		
	Overall height (Top of steering wheel)		mm (in.)	1475 (58.1)		
	Wheel base		mm (in.)	1610 (63.3)		
	Min. ground clearance		mm (in.)	345 (13.6)	340 (13.4)	
	Tread	Front	mm (in.)	1050 (41.3)	1095 (43.1)	
		Rear	mm (in.)	1115 (43.8), 1195 (47.1), 1290 (50.8)		
Weight (with ROPS)			kg (lbs.)	1100 (2425)	1180 (2601)	1190 (2623)

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INSTRUMENT PANEL AND CONTROLS

■ Instrument Panel, Switches and Hand Controls



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(11) Key switch..... 12

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OPERATING THE TRACTOR

OPERATING NEW TRACTOR

How a new tractor is handled and maintained determines the life of the tractor.

A new tractor just off the factory production line has been, of course, tested, but the various parts are not accustomed to each other, so care should be taken to operate the tractor for the first 50 hours at a slower speed and avoid excessive work or operation until the various parts become "broken-in". The manner in which the tractor is handled during the "breaking-in" period greatly affects the life of your tractor. Therefore, to obtain the maximum performance and the longest life of the tractor, it is very important to properly break-in your tractor. In handling a new tractor, the following precautions should be observed.

■Do not Operate the Tractor at Full Speed for the First 50 Hours

- Do not start quickly nor apply the brakes suddenly.
- In winter, operate the tractor after fully warming up the engine.
- Do not run the engine at speeds faster than necessary.
- On rough roads, slow down to suitable speeds. Do not operate the tractor at fast speed.

The above precautions are not limited only to new tractors, but to all tractors. But it should be especially observed in the case of new tractors.

■Changing Lubricating Oil for New Tractors

The lubricating oil is especially important in the case of a new tractor. The various parts are not "broken-in" and are not accustomed to each other; small metal grit may develop during the operation of the tractor; and this may wear out or damage the parts. Therefore, care should be taken to change the lubricating oil a little earlier than would ordinarily be required.

For further details of change interval hours.

(See "MAINTENANCE" section.)

BOARDING AND LEAVING THE TRACTOR

1. Never try to get on or off a moving tractor or jump off the tractor to exit.
2. Face the tractor when getting into or out of the tractor. Do not use the controls as hand holds to prevent inadvertent machine movements.
3. Always keep steps and floor clean to avoid slippery conditions.

OPERATING FOLDABLE ROPS (if equipped)

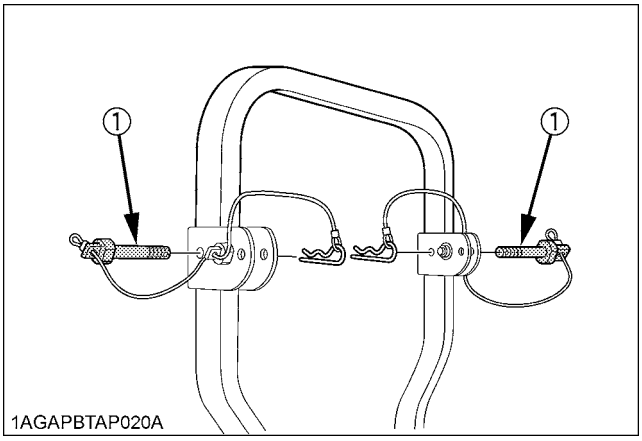
WARNING

To avoid personal injury or death:

- **When raising or folding the ROPS, apply parking brake, stop the engine and remove the key.**
  Always perform function from a stable position at the rear of tractor.
- **Fold the ROPS down only when absolutely necessary and fold it up and lock it again as soon as possible.**
- **Before proceeding to fold ROPS, check for any possible interference with installed implements and attachments.**
  If interference occurs, contact your KUBOTA Dealer.

■To Fold the ROPS

1. Remove both set bolts.



(1) Set bolt

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9. Depress the Speed Control Pedal. [HST Type]

■Speed Control Pedal

WARNING

To avoid personal injury or death:

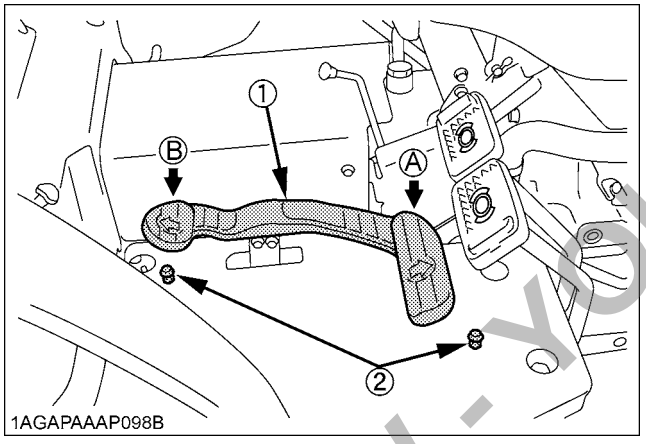
- **Do not operate if tractor moves on level ground with foot off of Speed Control Pedal.**
- **Consult your local KUBOTA Dealer.**

Forward Pedal

Depress the speed control pedal with the toe of your right foot to move forward.

Reverse Pedal

Depress the speed control pedal with the heel of your right foot to move backward.



(1) Speed control Pedal
(2) Stopper bolt
(A) "FORWARD"
(B) "REVERSE"

IMPORTANT :

- To prevent serious damage to the HST, do not adjust the stopper bolts.

NOTE :

- When you stand up from the seat with the speed control pedal stepped on or the cruise control lever engaged (ON), the engine will stop regardless of whether the tractor is moving or not. This is because the tractor is equipped with Operator Presence Control system (OPC).

■Cruise Control Lever

[if equipped]

WARNING

To avoid personal injury or death:

- **Pull the cruise control lever completely to the rear before starting the engine.**
- **Do not use the cruise control when driving on the road.**
- **Be sure to connect both the left and the right brakes to release the cruise control. The speed cruise control won't be released with single brake activation.**

Cruise control is designed for tractor operating efficiency and operator comfort, This device will provide a constant forward operating speed by mechanically holding the cruise control lever at the selected position.

◆ **To engage Cruise Control Device**

1. The proper forward speed will be maintained if you apply the cruise control lever at any position.
2. To operate faster than the set speed, depress the speed control pedal further down in this condition. The set speed will be resumed if you release the pedal.

◆ **To disengage Cruise Control Device**

- Move the lever all the way back and then to "OFF" position to release the cruise control.
- Depress both brake pedals.

NOTE :

- Cruise control will be disengaged automatically when both brake pedals are depressed.
- The cruise control device does not disengage when the individual right or left brake is applied.
- Cruise control device will not operate in reverse.
- Preferably set the cruise control lever, while holding down the speed control pedal. This makes the setting smoother.

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STOPPING

■Stopping

1. Slow down the engine.
2. Step on the clutch and brake pedal.
3. After the tractor has stopped, disengage the PTO, lower the implement to the ground, shift the transmission to neutral, release the clutch pedal, and set the parking brake.

CHECK DURING DRIVING

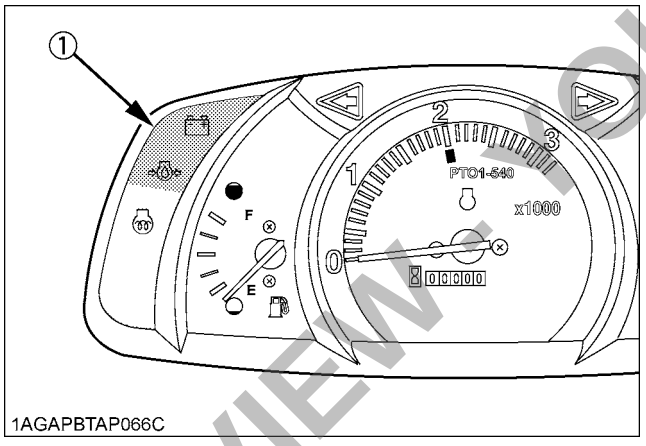
■Immediately Stop the Engine if:

- The engine suddenly slows down or accelerates.
- Unusual noises are suddenly heard.
- Exhaust fumes suddenly become very dark.

■Easy Checker(TM)

If the indicators in the Easy Checker(TM) come on during operation, immediately stop the engine, and find the cause as shown below.

Never operate the tractor while Easy Checker(TM) lamp is on.



(1) Easy checker(TM)

Engine oil pressure
If the oil pressure in the engine goes below the prescribed level, the indicator in the Easy Checker(TM) will come on.
If this should happen during operation, and it does not go off when the engine is accelerated to more than 1000 rpm, check level of engine oil.
(See "Checking Engine Oil Level" in "DAILY CHECK" in "PERIODIC SERVICE" section.)

Electrical charge
If the alternator is not charging the battery, the indicator in the Easy Checker(TM) will come on.
If this should happen during operation, check the electrical charging system or consult your local KUBOTA Dealer.

NOTE :

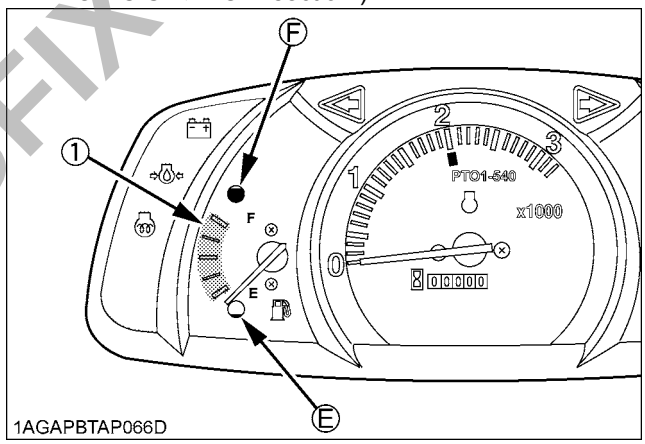
- For checking and servicing of your tractor, consult your local KUBOTA Dealer for instructions.

■Fuel Gauge

When the key switch is on, the fuel gauge indicates the fuel level.

Be careful not to empty the fuel tank. Otherwise air may enter the fuel system.

Should this happen, the system should be bled. (See "Bleeding Fuel System" in "SERVICE AS REQUIRED" in "PERIODIC SERVICE" section.)



(1) Fuel gauge *(E) "EMPTY"* *(F) "FULL"*

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