⚠ SAFE OPERATION

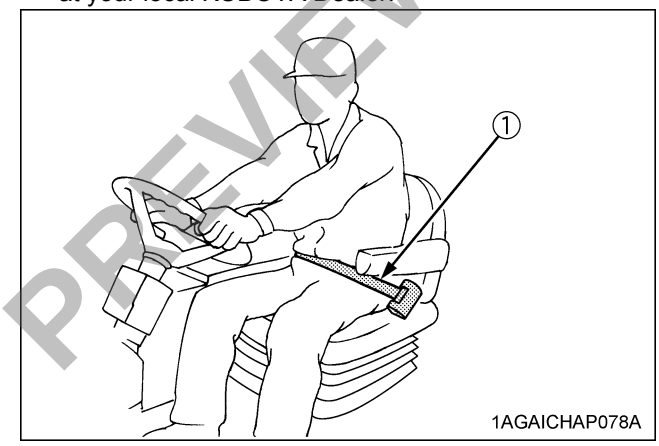
Careful operation is your best insurance against an accident.

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 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 CAB or 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.



(1) Seat belt

4. Always use the seat belt if the tractor has a CAB or ROPS. Do not use the seat belt if there is no CAB or ROPS. Check the seat belt regularly and replace if frayed or damaged.
5. Do not operate the 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, 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.)
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.
13. 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.

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SPECIFICATIONS

SPECIFICATION TABLE

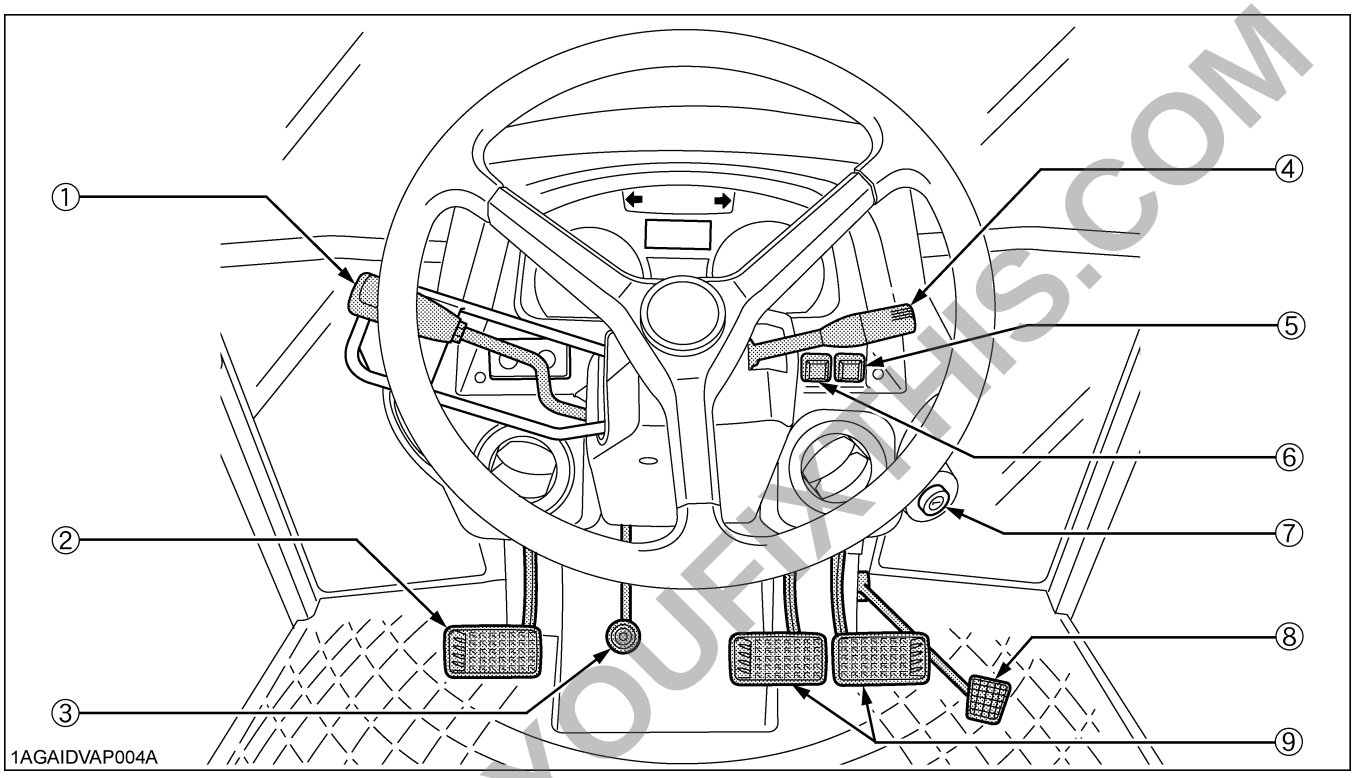
Model				M6040	M7040		M8540	M9540
				4WD	2WD	4WD	4WD	4WD
Engine	Model			V3307-DI			V3800-DI-T [V3800-DI-TE3]	
	Type			Direct Injection, liquid cooled 4 cylinder diesel				
	Number of cylinders			4				
	Total displacement		cm^3	3331			3769	
	Bore and stroke		mm	94 x 120			100 x 120	
	Rated speed		rpm	2600				
	Net power *1		kW	46.2	50.7		62.6	70.8
	PTO power *1 (factory observed)		kW	41.0	46.2		56.0	62.7
	Maximum torque		N-m / rpm	213 / 1300 to 1500	232 / 1300 to 1500		283 / 1400 to 1600	316 / 1400 to 1600 [314 / 1500 to 1700]
	Battery capacity			12V, RC: 160 min, CCA 900A				
	Fuel			Diesel fuel No.1 (below-10℃), Diesel fuel No.2 (above-10℃)				
	Fuel tank capacity		L	90			110	
	Engine oil capacity		L	11			10.7	
	Coolant capacity		L	8			9.0	
Dimensions	Overall length		mm	3505	3625	3505	3760 [3955]	
	Overall width (minimum tread)		mm	1860			2010	
	Overall height		mm	2555	2565		2570 [2650]	
	Wheel base		mm	2110	2145	2110	2250	
	Tread	Front	mm	1420, 1440, 1520	1420 to 1820	1420, 1440, 1520	1540, 1560, 1600 [1540, 1560, 1660]	
		Rear	mm	1420 to 1720			1540 to 1940 [1498, 1598, 1698, 1798, 1898]	
	Minimum ground clearance		mm	430 (Fuel tank stay)	440 (Fuel tank stay)		450 (Drawbar bracket)	
Weight			kg	2430	2380	2440	2800	

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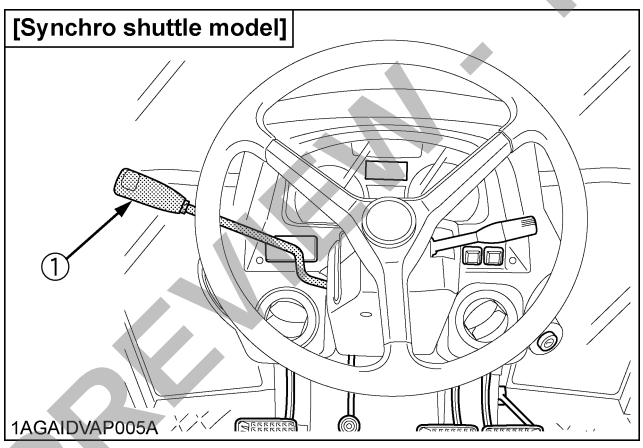
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INSTRUMENT PANEL AND CONTROLS

■ Instrument Panel, Switches and Hand Controls



[Synchro shuttle model]



ILLUSTRATED CONTENTS

(1) Hydraulic-shuttle shift lever [Hydraulic shuttle model]	*
(1) Synchro-shuttle shift lever [Synchro shuttle model]	*
(2) Clutch pedal	*
(3) Tilt pedal	*
(4) Turn signal / Head light switch	*11, 11*
(5) Hazard light switch	*11*
(6) Horn button	*
(7) Key switch	*
(8) Foot throttle	*
(9) Brake pedal	*

* See operator's manual issued separately for the sister model. [M6040, M7040, M8540, M9540]

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OPERATING THE TRACTOR

STARTING

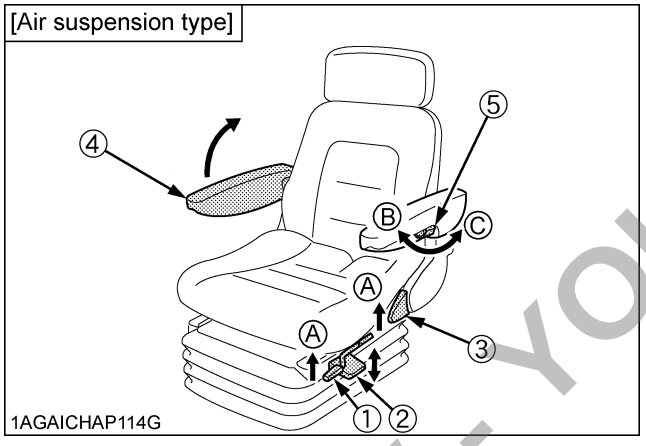
[With Dual Speed model]

■Operator's Seat

CAUTION

To avoid personal injury:

- **Make adjustments to the seat only while the tractor is stopped.**
- **Make sure that the seat is completely secured after each adjustment.**
- **Do not allow any person other than the operator to ride on the tractor.**



(1) Travel adjust lever
(2) Weight / Height adjust lever
(3) Backrest tilt adjust lever
(4) Arm rest
(5) Arm rest angle adjust knob
(A) "UNLOCK"
(B) "TO INCREASE ANGLE"
(C) "TO DECREASE ANGLE"

◆ Travel adjustment

Unlock the travel adjust lever and slide the seat backward or forward, as required. The seat will lock in position when the lever is released.

◆ Weight and Height adjustment

Turn on the key switch. The seat should be adjusted for the operator's weight by briefly pulling up or pushing down the weight / height adjust lever with the tractor in a stationary position and the operator sitting on the seat. The seat can be adjusted in its adjustable range.

NOTE :

- If the seat is lowered below the adjustable range, it automatically comes up to the lower limit of the adjustable range just when the weight / height adjust lever is released.
- When turning on the key switch, the seat may slightly move up depending on a preset seat position (height).

IMPORTANT :

- In order to avoid damage of the seat, do not operate the weight / height adjust lever for more than 1 minute.

◆ Tilt adjustment

Pull the backrest tilt adjust lever and tilt the backrest to the desired position.

◆ Arm rest

Armrest may be set at upright position if desired.

◆ Arm rest angle adjustment

Turn the arm rest angle adjust knob to the desired angle.

IMPORTANT :

- After adjusting the operator's seat, be sure to check to see that the seat is properly locked,

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MAINTENANCE

SERVICE INTERVALS

No.	Items		Indication on hour meter														Interval	Ref. page	
			50	100	150	200	250	300	350	400	450	500	550	600	650	700			
[M6040, M7040]																			
1	Fan / Air-conditioner belt	Adjust		○		○		○		○		○		○		○	every 100 Hr	✻	
2	Alternator belt	Adjust		○		○		○		○		○		○		○	every 100 Hr	✻	
[M8540, M9540]																			
1	Fan belt	Adjust		○		○		○		○		○		○		○	every 100 Hr	✻	
2	Parking brake lever	Adjust		○		○		○		○		○		○		○	every 100 Hr	28	
	Gear locked parking lever	Check		○		○		○		○		○		○		○	every 100 Hr	28	
3	Turbo charger	Check															every 3000 Hr	✻	*4
4	Intake air heater	Check															every 3000 Hr	✻	*4
5	Master cylinder filter	Clean															every 2 years	✻	*4
6	Master cylinder kit	Replace															every 2 years	✻	*4
7	Equalizer kit	Replace															every 2 years	✻	*4
8	Brake seal 1 and 2	Replace															every 2 years	✻	*4
9	Brake system	Bleed															Service as required	✻	*4
[COMMON ITEMS]																			
1	Engine start system	Check	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	✻	
2	Wheel bolt torque	Check	○	○	○	○	○	○	○	○	○	○	○	○	○	○	every 50 Hr	✻	
3	Battery condition	Check		○		○		○		○		○		○		○	every 100 Hr	✻	*5
4	Greasing	---		○		○		○		○		○		○		○	every 100 Hr	✻	
5	Brake pedal	Adjust		○		○		○		○		○		○		○	every 100 Hr	✻	
6	Clutch pedal [Synchro shuttle model]	Adjust	◎	○		○		○		○		○		○		○	every 100 Hr	✻	

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HYDRAULIC UNIT

REMOTE HYDRAULIC CONTROL SYSTEM

The hydraulic auxiliary control valves can be installed up to triple segments.
It is not possible to use triple segments with flow control valve.

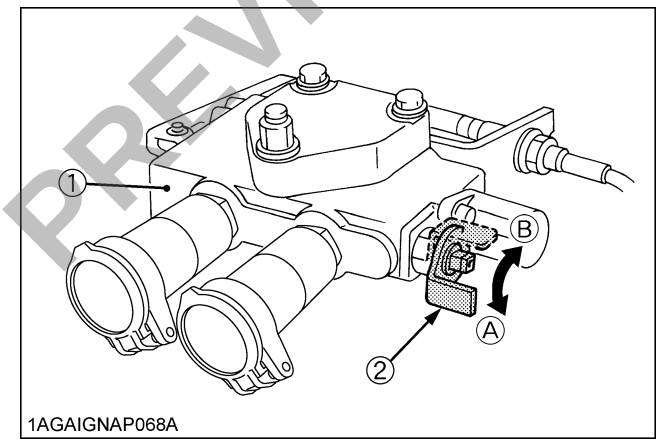
■Remote Control Valve

There are 3 types of remote valves available for these models.

- Double acting valve with detents and self cancelling:
  This valve may be placed in the detent mode. The lever will stay in this position until the pressure reaches a predetermined level or a cylinder reaches the end of its stroke. Then it will automatically return to neutral.
- Double acting valve with float position:
  This valve may be placed in the float mode with the control lever all the way forward. The cylinder is free to extend or retract, letting an implement such as a loader bucket follow the ground.
- Single/double acting valve:
  This valve can be utilized as single or double acting valve by adjusting the auxiliary control valve selector knob located on the valve.
  1) Turn the auxiliary control valve selector knob clockwise all the way to utilize as single acting valve.
  2) Turn the auxiliary control valve selector knob anticlockwise all the way to utilize as double acting valve.

NOTE :

- This float valve can be attached as the second or third segment.



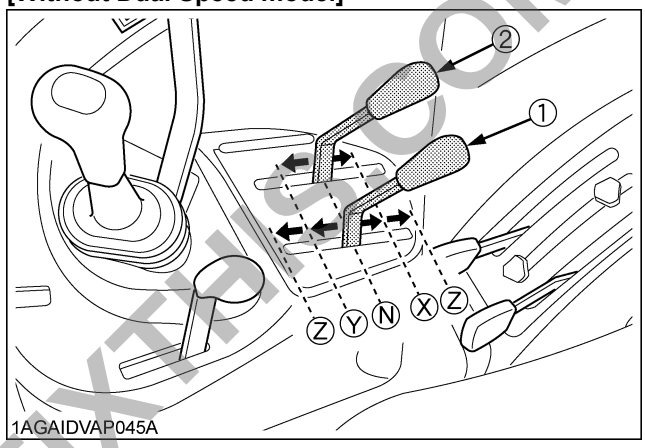
1AGAIGNAP068A

(1) Single / double acting valve
(2) Auxiliary control valve selector knob
(A) Double acting
(B) Single acting

■Remote Control Valve Lever

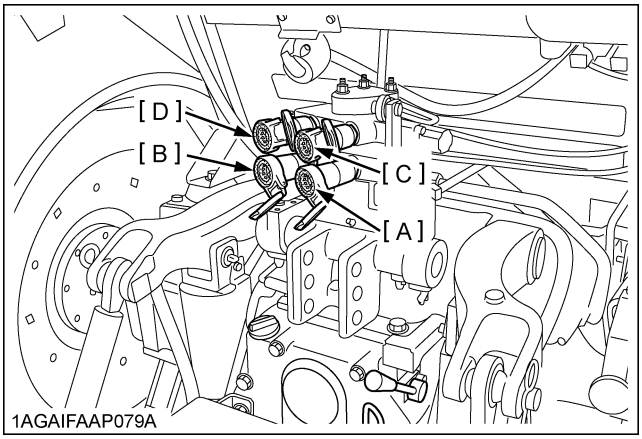
The remote control valve lever directs pressurized oil flow to the implement hydraulic system.

[Without Dual Speed model]



1AGAIDVAP045A

(1) Remote control valve lever with Double acting valve /
(2) Detents and self cancelling
Remote control valve lever with Single / Double acting valve



1AGAIFAAP079A

Pressure ⟶
Returning ⟵

Lever (1)		Lever position			
		Z (detent)	Y	X	Z (detent)
Port	[A]	Out ⟶		In ⟵	
	[B]	In ⟵		Out ⟶	

		Double-acting		Single-acting	
Lever (2)		Y	X	Y	X
Port	[C]	Out ⟶	In ⟵	-	-
	[D]	In ⟵	Out ⟶	In ⟵	Out ⟶

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PERIODIC SERVICE

EVERY 100 HOURS

■Adjusting Parking Brake Lever

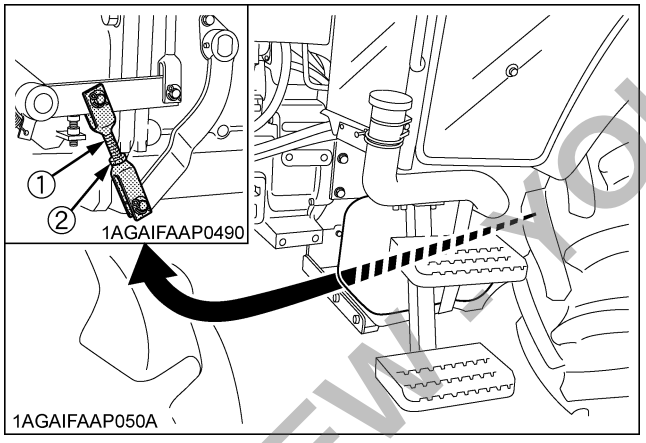
CAUTION

To avoid personal injury:

- **Stop the engine and chock the wheels before checking parking brake.**

Proper parking brake lever free travel	3 to 5 notches (Ratchet sound 3 to 5)

1. Raise the parking brake lever to the parking position while counting the ratchet sound made by the parking brake lever.
2. If adjustment is needed, loosen the lock nut and adjust the parking brake rod length with in acceptable limit.
3. Retighten the lock nut.



(1) Parking brake rod
(2) Lock nut

■Checking Gear Locked Parking Lever

CAUTION

To avoid personal injury:

- **Do not dismounting the tractor while checking the gear locked parking lever.**

Confirm the tractor (tractor unit only) can surely be parked on the slope of about 15 degrees (Slope that rises by 2.7 meters every 10 meters).
If the tractor moves, consult your local KUBOTA Dealer.
Always engage the gear locked parking lever before dismounting the tractor.

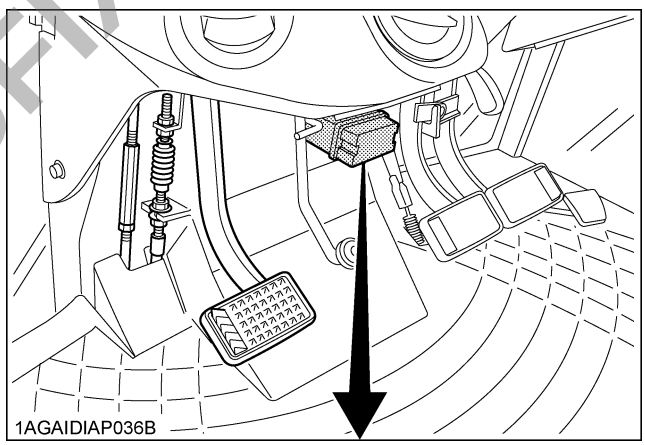
SERVICE AS REQUIRED

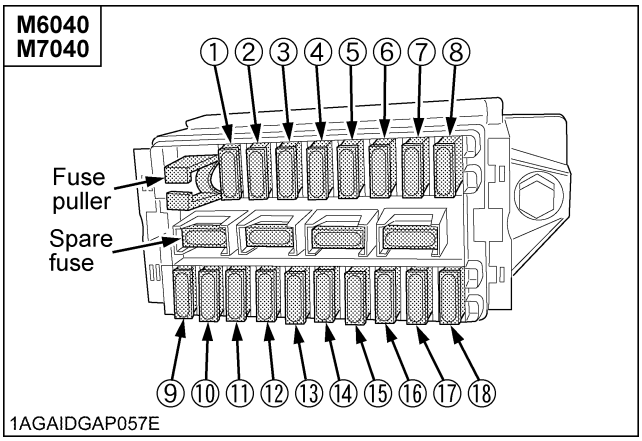
■Replacing Fuse

The tractor electrical system is protected from potential damage by fuses.
A blown fuse indicates that there is an overload or short somewhere in the electrical system.
If any of the fuses should blow, replace with a new one of the same capacity.

IMPORTANT :

- Before replacing a blown fuse, determine why the fuse blew and make any necessary repairs. Failure to follow this procedure may result in serious damage to the tractor electrical system. Refer to the "TROUBLESHOOTING" section of this manual or your local KUBOTA Dealer for specific information dealing with electrical problems.





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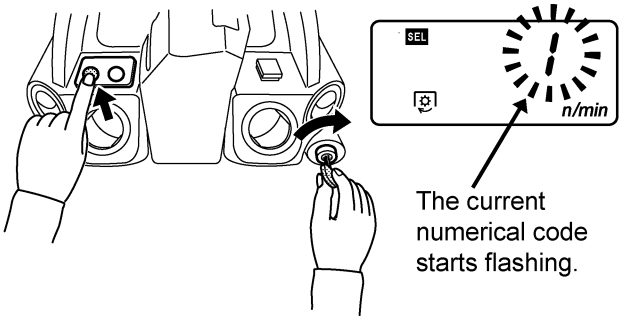
PTO RPM / TRAVEL SPEED MONITOR

■PTO Speed Display Mode Switching

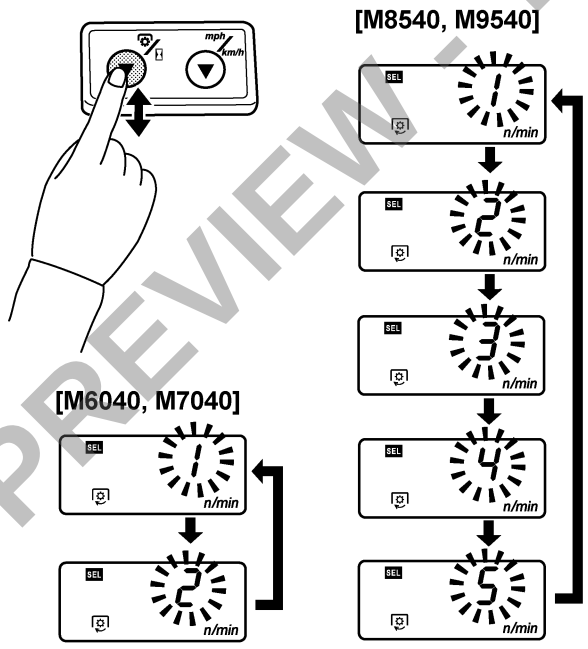
The PTO speed display mode has been factory-set as table below. Do not attempt to change the code. Otherwise the correct PTO speed will not be displayed in the LCD monitor.
(NOTE: The current code can be checked in the following procedure.)

◆ **Switching procedure**

① While pressing the PTO/Hour meter select switch, turn the key switch to "ON" position.

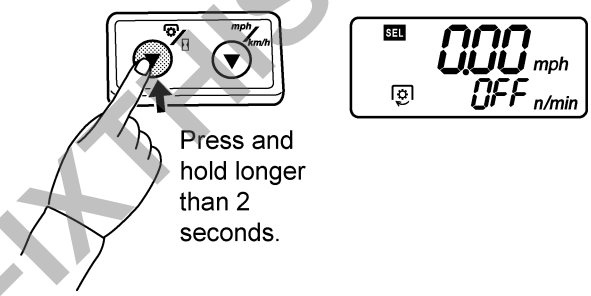


② Each time the PTO/Hour meter select switch is pressed, the code changes in the order of [1]→[2]→[1], [1]→[2]→[3]→[4]→[5]→[1]. Select the appropriate code according to the table below.



1AGAIDVAP009A

③ Press and hold the PTO/Hour meter select switch longer than 2 seconds. The setting is put in memory, and the LCD monitor goes back to the PTO speed display mode.



NOTE:

- The setting will be cancelled if the key switch is turned OFF halfway in the procedure.

Model	Numerical code	PTO speed (rpm)
M6040 M7040	1	540 / 540E (Oceania models)
M8540 M9540	4	

- It is the ban selection except the above mentioned code number.

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