

Quick operation guide

1. Effectively using I-HMT for different types of work (I-HMT functions)

1. Auto throttle



When the AUTO THROTTLE switch (1) is set to ON, the engine speed and travel speed can be controlled with the accelerator/drive pedal.

* The AUTO THROTTLE switch is always ON when the range shift is in 3rd gear.



Pedal status	Engine speed	I-HMT speed
Not pressed	Speed of the accelerator lever position	Creep speed (gear ratio near 0)
Pressed	According to pedal position (Minimum engine speed is set by throttle control lever on dashboard)	According to pedal position (From creep speed to the set speed)

2. A / B mode



With each "A mode" and "B mode", one preset engine RPM and one maximum travel speed can be switched between with a single button press of the A/B switch (2).

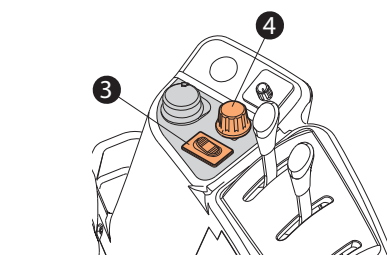
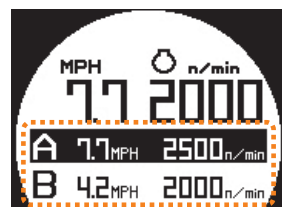
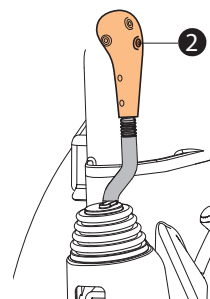
between with a single button press of the A/B switch.

How to set A/B mode

I : Press the DISP switch until the setting value display is shown on the meter panel (1).

II : Press the A/B switch (2) to select "A mode" or "B mode".

III : Use the engine speed & travel speed switch (3) and the engine speed & travel speed setting dial (4) to set the mode.



3 Engine speed & travel speed switch
 1. Push the switch to the right to adjust the "travel speed".
 2. Push the switch to the left to adjust the "engine speed".

There are a total of 5 mode settings:

- 1st range = "A mode" setting + "B mode" setting
- 2nd range = "A mode" setting + "B mode" setting
- 3rd range = "A mode" setting only

*To adjust the A/B settings within a range shift, the range shift lever must be in that range position - in position 1 to adjust 1st range settings, in position 2 for 2nd range presets, and in position 3 to set the one 3rd range preset.

Shifting the range lever to another range automatically changes the A/B mode preset to the existing settings for the new selected gear.

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3. Auto cruise



The tractor will travel at a constant speed without the need to continue pressing the accelerator/drive pedal.

How to activate auto cruise

I : Press the AUTO CRUISE ON/OFF switch (1) and the lamp (2) will flash. This is the auto cruise standby status.

II : Move the tractor forward by pressing the accelerator/drive pedal.

III : Press the SET/+ switch (3) at the vehicle speed desired and the tractor will maintain that travel speed.

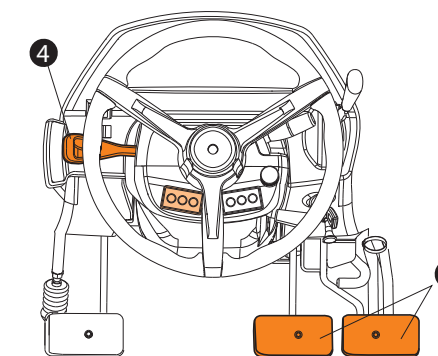
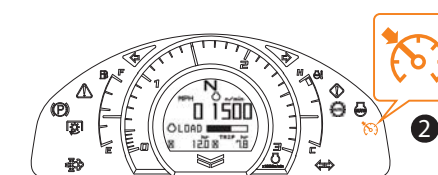
How to deactivate auto cruise

Auto cruise will be deactivated with any of the following operations.

- Setting the reverser lever (4) to N or R
- Pressing the brake (5)
- Pressing the AUTO CRUISE ON/OFF switch (6)

To reactivate the auto cruise status, press the RES/- switch to set the travel speed to the previously stored pedal position.

* To change the travel speed, cruise must be turn off first then perform step II again.



4. Throttle boost



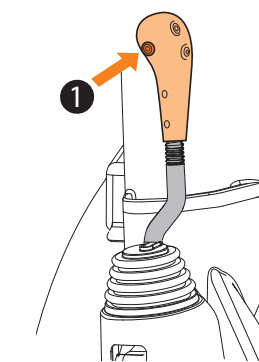
The engine speed is increased to the desired RPM while the throttle boost switch is pressed.

The desired RPM is the engine speed set for the current mode ("A mode" or "B mode").

Press the throttle boost button (1).

- Active while the button is pressed
- The travel speed will be constant even though the engine speed increases.

* The throttle boost button does not work when the range shift is in 3rd gear.



5. Anti stall



The travel speed will be automatically decreased to prevent engine stalling when the engine speed falls due to a load.

How to use anti stall

I : Press the ANTI STALL AUTO switch (1) and the lamp on the meter panel will turn on.


II : When the speed is decreased by anti stall, an arrow (2) will be displayed above the travel speed on the meter panel.

When anti stall is activated, the travel speed will decrease automatically when engine RPMs decrease due to encountering an increased load on the tractor. Once the engine RPMs recover, the travel speed will automatically resume.




2. Examples of using the functions

Transporting loads with the front loader




1	Auto throttle		ON	The tractor can be operated like an automobile when traveling and transporting loads.
2	A/B mode		Use	"A mode" setting: High engine speed and low travel speed suited to the work (scooping the load) "B mode" setting: High engine speed and high travel speed suited to the traveling and transporting loads.
3	Auto cruise		OFF	
4	Throttle boost		Use	Increase the engine speed as necessary when scooping and lifting the load.
5	Anti stall		ON	Prevent engine stalls when scooping the load even if the engine speed decreases.

Product application with sprayer



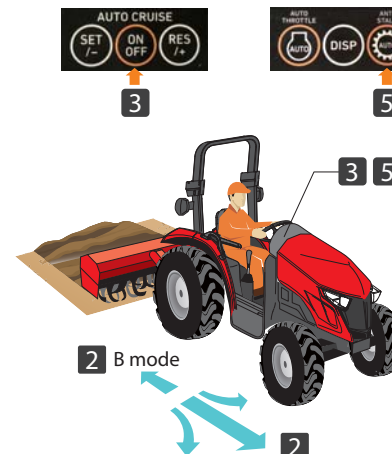
1	Auto throttle		OFF	
2	A/B mode		Use	"A mode" setting: Low travel speed and high engine speed suited to a high application rate for high infestation areas. "B mode" setting: Medium travel speed and high engine speed suited to a low application rate for low infestation areas.
3	Auto cruise		Use	Set the speed to the application rate needed. Note: The A/B mode switching is invalid during auto cruise.
4	Throttle boost		OFF	
5	Anti stall		ON	Prevent a decrease in engine speed and engine stalls when the machinery load increases.

Cutting grass with the rotary cutter



1	Auto throttle		OFF	
2	A/B mode		Use	"A mode" setting: A speed suited to cutting grass. High engine speed, medium travel speed. "B mode" setting: A speed suited to turning and reverse. Medium engine speed, medium travel speed.
3	Auto cruise		Use	Set the working speed. Note: The A/B mode switching is invalid during auto cruise.
4	Throttle boost		OFF	
5	Anti stall		ON	Prevent engine stalls when the machinery load increases.

Soil preparation with the rotary tiller



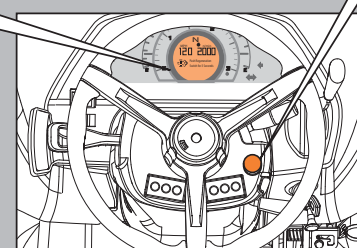
1	Auto throttle		OFF	
2	A/B mode		Use	"A mode" setting: A speed suited to the work. High engine speed, low travel speed. "B mode" setting: A speed suited to turning and reverse. Low engine speed, medium travel speed.
3	Auto cruise		Use	Set the working speed. Note: The A/B mode switching is invalid during auto cruise.
4	Throttle boost		OFF	
5	Anti stall		ON	Prevent a decrease in engine speed and engine stalls when the machinery load increases.

Reset regeneration procedure for the exhaust filter (DPF)

Perform reset regeneration of the exhaust filter to clean the exhaust within the first 50 hours and then every 100 hours afterward. (DPF: Diesel particulate filter)

When reset regeneration of the exhaust filter is required, a regeneration request is output **automatically with the three notification functions.**

1 Warning
The exhaust filter regeneration request warning will be displayed on the meter panel. (Resetgeneration)



2 Notification lamp
The exhaust filter regeneration switch notification lamp will flash.

3

The exhaust filter regeneration switch notification lamp will flash.

Perform the following actions when there is a reset regeneration request.

Press and hold the exhaust filter regeneration switch for three or more seconds.

The lamp will turn on and the buzzer will stop. The exhaust filter (DPF) will start being regenerated.

* The lamp turns off when regeneration ends.



<Reference>

* Before starting regeneration, make sure tractor is operated or placed in safe place.
* Reset regeneration will end in about 30 minutes, but the time until regeneration ends depends on the outside air temperature.

Regeneration will not be started under the following conditions.

- 1 When the engine cooling water temperature is low.
- 2 When the temperature in the exhaust filter is low.