

Designed for your world

This operator's manual contains handling tips and precautions for safe operation of your **TYM T4058PU, T4058PCU** tractor. Read it carefully before you operate your tractor and make sure that you have a full understanding of this manual. This will ensure correct operation and to keep the tractor optimum condition.

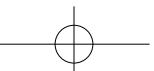
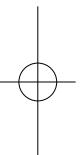
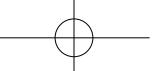
After reading the manual, keep it close to the tractor for immediate reference. When you loan your tractor to someone else, loan the manual as well.

In case the manual is lost or damaged, please contact your local authorized dealer for a copy. Some parts of this product may have been changed for the improvement of quality or for safety reasons, in which case the photographs or drawings of the parts in this booklet may not be the same as the actual parts installed on this product. If you find anything in this manual unclear or need further explanation, please contact your authorized dealer.



※ Regarding the purpose of this machine

Do not modify the machine or try to do the job which is beyond purpose of this machine. Otherwise it may cause the warranty cancellation. (Refer to warranty statement for detail)



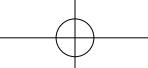
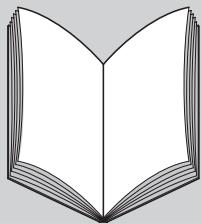


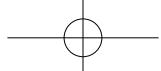
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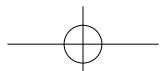
SAFETY AND VEHICLE DAMAGE WARNING

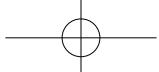
This manual includes information titled as **DANGER, WARNING, CAUTION, IMPORTANT**. These safety marks stand for the safety precaution so follow the instruction with special attention:

 DANGER	This symbol indicates that a condition may result in harm, fatal injury or death to you or other persons if this instruction is ignored.
 WARNING	This symbol indicates that a condition may result in harm, serious injury or death to you or other persons if this instruction is ignored.
 CAUTION	This symbol indicates that a condition may result in damage to your vehicle or its equipment if this instruction is ignored. Also this symbol alerts the operator's unstable operation.
 IMPORTANT	This symbol indicates emphasis on notable characteristics of working procedures, and information about technology for easier operation.
 NOTE	This instruction is to give additional description to operator so that he/she can operate the machine more effectively.

This manual includes “Very important safety tips for safe operation” as a chapter. Be sure to read this chapter before initial operation.

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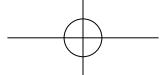




SYMBOL MARKS OF CONTROLLER

This manual includes symbol marks of the controller to simplify operations for maneuverability and maintenance. These meanings are as below, so carefully read it for a proper function.

	PTO	R	REVERSE		LEFT TURN SIGNAL
	4WD	F	FORWARD		RIGHT TURN SIGNAL
	PARKING BRAKE	N	NEUTRAL		HIGH BEAM
	LIFT SYNC		AUTO PTO		LOW BEAM
	DPF		FUEL LEVEL		PREHEAT
	BATTERY		BRAKE RELEASE LAMP		ENGINE OIL PRESSURE



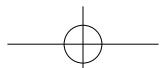
“USE AND DISPOSAL” POLICY CONCERNED WITH ENVIRONMENT PRESERVATION

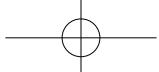
We try our best to preserve the environment, and are always concerned about our environmental impact at each step of planning, development, production, distribution, use and disposal of products, and for our overall operations through an “environmentally friendly” management system. We comply with international environmental regulations, environmental regulations designated by country and local authorities and other requirements with which we are in agreement, and we work towards the prevention of environmental pollution and the conservation of resources. We provide environmental education and have an awareness campaign to raise environmental awareness among all our employees and members of the supporting companies.

We introduce the “Use and Disposal” policy concerned with environment preservation as follows.

1. Please read the operator’s manual though for global environment protection. Overload on the machine shortens the product life and increases the harmful exhaust gas which cause air pollution due to the incomplete combustion.
2. When replacing various fluids (for engine, transmission, hydraulics, etc.) by yourself, don’t dispose the used oil to anywhere not recommended. It can pollute the ground and water. Please contact your local dealer to dispose it legally.
3. Observe the operator’s manual and store or dispose the waste product properly. Rust, oil, etc leaked from waste product improperly stored can pollute the ground and water. Accordingly for a waste product disposal, contact the necessarily “approved waste collection and recycling facility” to discard the used materials legally.

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1. FOR SAFE OPERATION

1

SAFETY PRECAUTIONS.....1-2

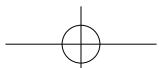
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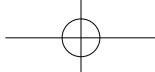
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SAFETY PRECAUTIONS

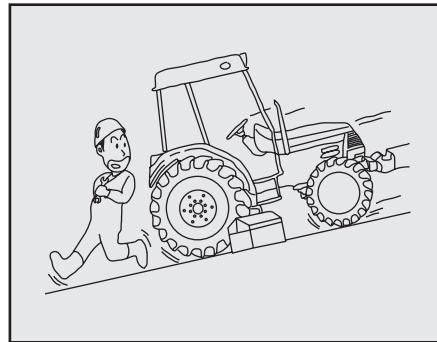
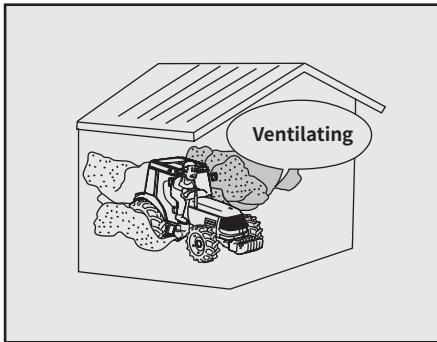
BEFORE USING THE MACHINE

If the instructions in this chapter are ignored, it may cause a machine failure, a fatal accident with injury or death.

For further detailed information, refer to each chapter.

NOTE

- Please understand that some of the figures or contents in this manual may not match with your own machine due to the product variation.
- This tractor is not designed for road driving. Please use a truck to move this machine on the public roads.



! WARNING

Beware of exhaust gas;

- Running the engine, repairing (tightening) any painted part or grinding any painted area should be performed only in a well-ventilated area.

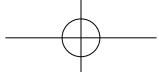
If this instruction is ignored, the exhaust gas or dust can cause intoxication and lead to fatal consequences.

! WARNING

Wide and flat enough area;

- Inspect or repair the tractor on a wide and flat area.

If this instruction is ignored, an unexpected accident may occur, such as overturning of the tractor.

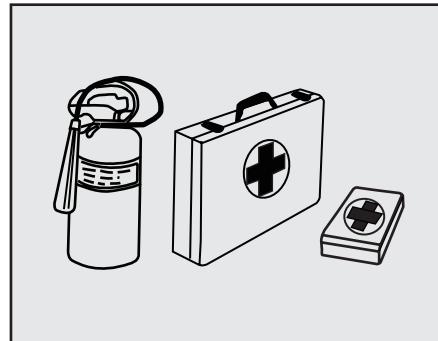
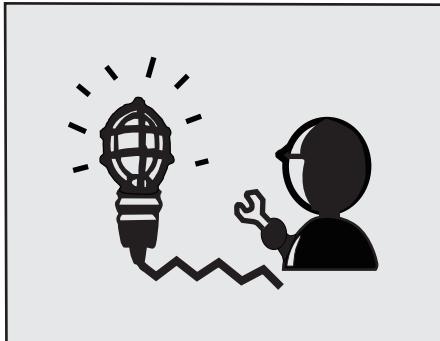


! WARNING

Clean and arranged place;

- Do not mess the place by dust, mud, oil, or parts

If this instruction is ignored, an unexpected accident may occur.



! WARNING

Carry out maintenance in a well-lit place;

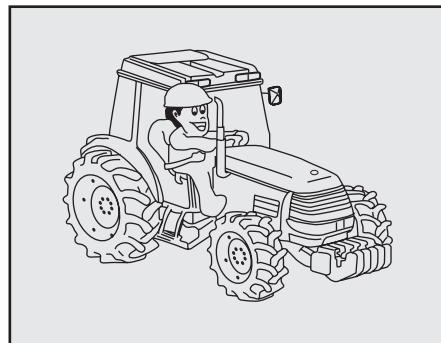
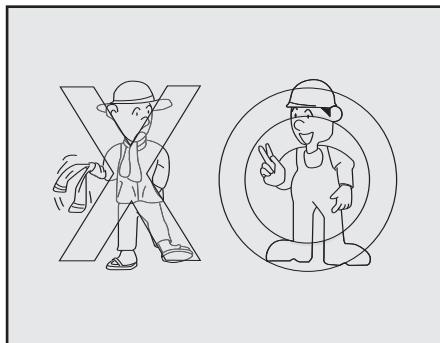
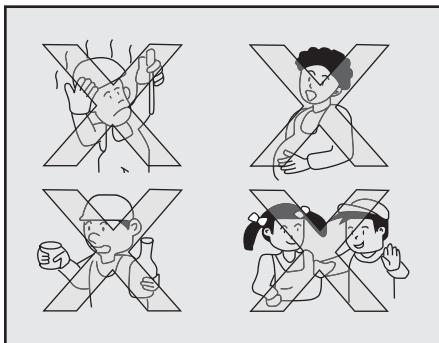
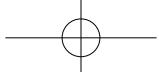
- Make sure work area is properly lighted.
- Use safety work lights with protective covering when working inside or under the machine.

If this instruction is ignored, an unexpected accident may occur, possibly fire or explosion.

! WARNING

Prepare for emergencies;

- Keep a first aid kit and fire extinguisher handy at all times while operating machine.



WARNING

Do not drive if you are;

- Unable to concentrate because of fatigue, under treatment of medicine.
- Under the influence of alcohol
- Pregnant
- Under the age of 18

WARNING

Wear properly for the job;

- Hair band, loose clothing is not allowed. Wear tight clothes, work hat, and work shoes which have rough bottoms against slippery surface.

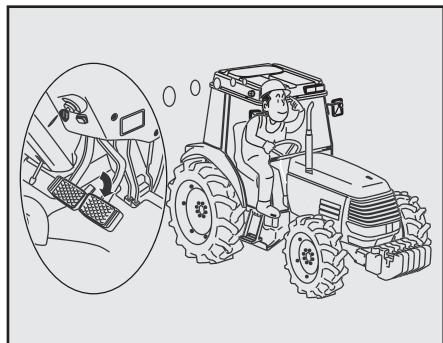
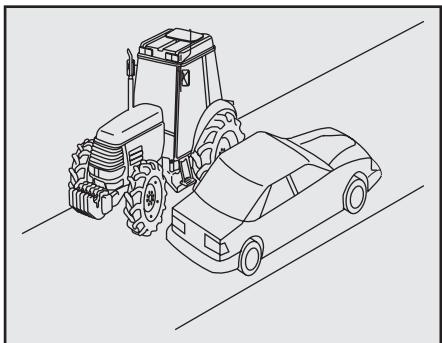
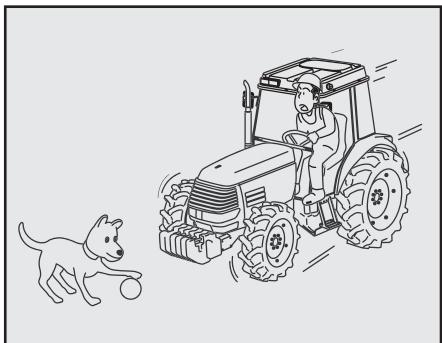
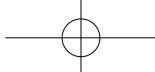
If this instruction is ignored, you will be exposed to a risk of being entangled, slipping, or falling.

WARNING

Use only recommended implements;

- Be sure to use only implements which are recommended by manufacturer.

If this instruction is ignored, an unexpected accident may occur or tractor may not perform properly.



⚠️ WARNING

Start the machine slowly after reminding bystander;

- Start the engine after reminding bystanders of your intention. Do not start the machine abruptly.

If this instruction is ignored, unexpected accident or injury can happen.

⚠️ WARNING

Pay attention to the shoulder of the road;

- When moving along the unpaved road with ditches or slanted sides, pay attention to the shoulders.

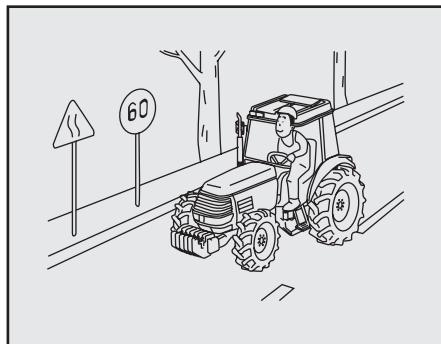
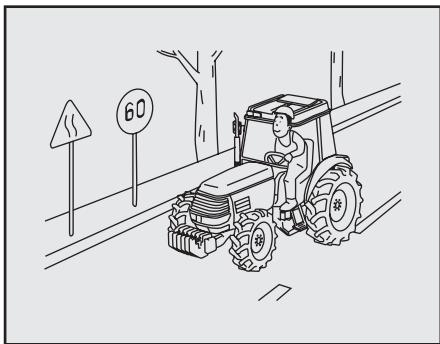
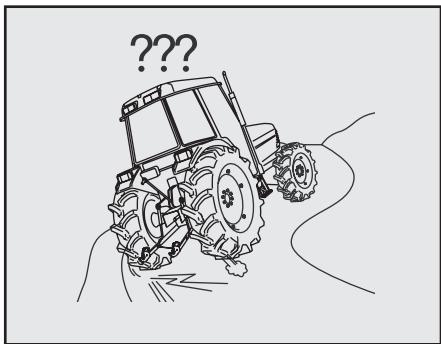
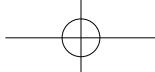
If this instruction is ignored, there is a risk of falling over.

⚠️ WARNING

Interlock the brake pedals (left and right) when driving on a road;

- Make sure to interlock the brake pedals (left and right) when driving on a road.

If this instruction is ignored, there is a risk of abrupt turning or overturning due to one-sided braking.



WARNING

Avoid rapid starting, braking, turning, and excessive speed;

- Start and stop the tractor slowly. Reduce engine speed when making a turn and driving on hilly or curved roads.

If this instruction is ignored, there is a risk of overturning or damage to the machine.

WARNING

Observe traffic regulations and drive safely;

- When driving on the road, observe the traffic regulations and wear a hard hat and seat belt.

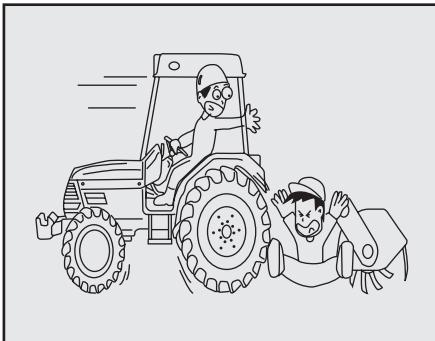
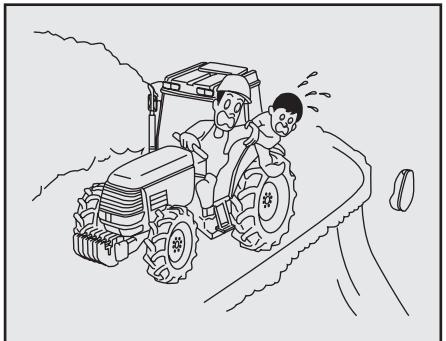
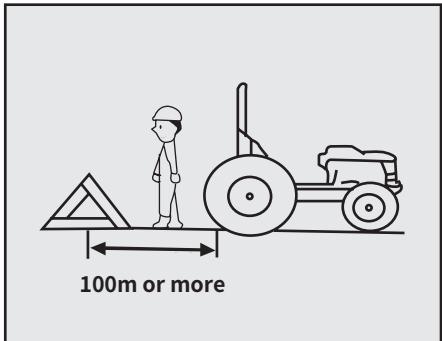
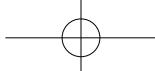
If this instruction is ignored, there is a risk of accident or injury.

WARNING

Observe traffic regulations when driving on a road safely;

- If the machine is broke down and stopped on the road, move the machine to a safe place out of the road.

If this instruction is ignored, there is a risk of accident or injury.



⚠️ WARNING

Put machine shut down sign if the machine is stopped on the road;

- If the tractor is stopped on the road due to the machine failure, put the machine shut down sign (Emergency triangle reflex reflector) at least 100~200 yards before failed machine in accordance with local traffic laws.

If this instruction is ignored, the machine can be hit by a car and cause a traffic accident with injury or death.

⚠️ WARNING

Only driver should be aboard the tractor while in operation;

- This tractor is designed to allow only one operator. The driver must not allow anyone else to get on the tractor.
- Especially never allow children on the machine while in use.

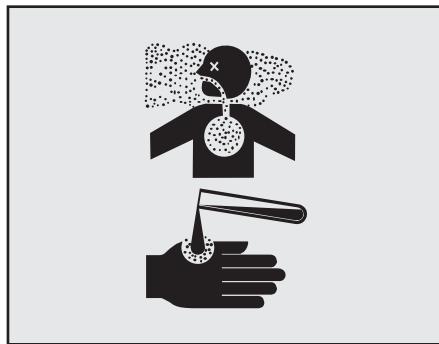
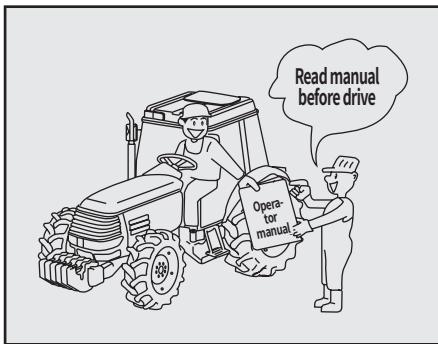
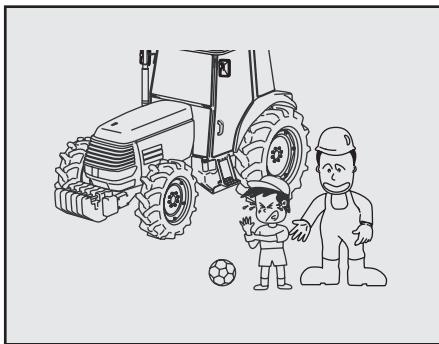
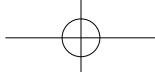
If this instruction is ignored, an unexpected accident may occur.

⚠️ WARNING

Do not allow anyone near while operating the tractor or implement;

- When engaging or disengaging the implement by moving the tractor, make sure that no one is around the tractor or between the implement and the tractor.

If this instruction is ignored, there is a risk of accident or injury.



⚠️ WARNING

Precautions for children;

- Fully warn the children and keep them away from the tractor at all times.

If this instruction is ignored, unexpected accident of injury can happen.

⚠️ WARNING

Properly train anyone operating;

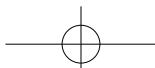
- Explain the handling tips in detail and make sure the driver reads the Manual before driving.

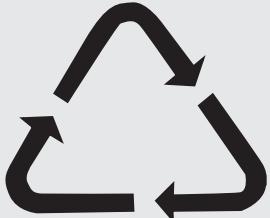
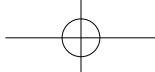
If this instruction is ignored, there is a risk of death, serious injury, or damage to tractor.

⚠️ WARNING

Use Pesticides safely;

- Careless use of agricultural chemicals such as disinfectants, herbicide, pesticides, rat poison, and fertilizer can be harmful to environment and human body. Be sure to observe all relevant regulation and instructions to use the agricultural chemicals efficiently and safely. Then it may prevent injury or accident.



**WARNING**

Observe all relevant regulations for disposal;

- Be sure to observe all relevant regulations when you dispose of the engine oil, transmission oil, fuel, coolant, filters and battery.
- Never dispose the used oil directly to the river or drainage, follow legal procedures.

**WARNING**

Observe all relevant regulations for disposal;

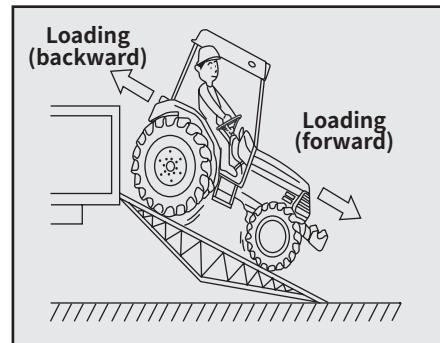
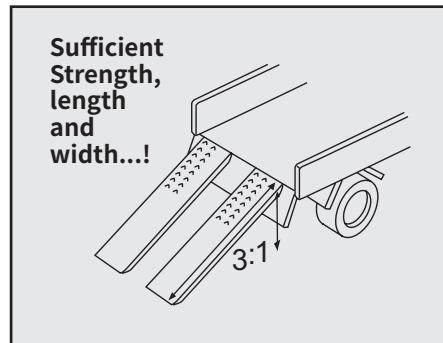
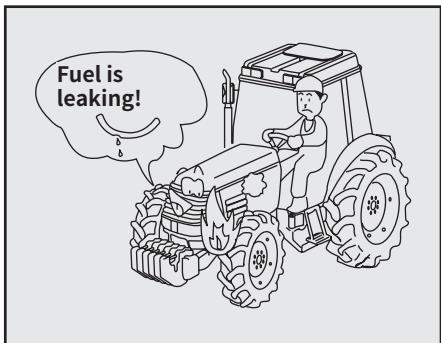
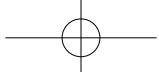
- Careless disposal of waste product can be harmful to environment and ecosystem.
- When draining the fuel and oil, use a proper container that is not leaking, not food or beverage containers to prevent from drinking. Do not bury the waste product in the ground or dispose to drainage.

WARNING

No smoking or open flame when fueling;

- Do not smoke or use match or lighter while refueling.

If this instruction is ignored, fuel can catch fire and lead to explosion or fatal injury with burn.



⚠️ WARNING

Inspect for fuel leaking;

- Check the fuel lines and hoses for damage or leakage

If this instruction is ignored, there is a risk of fire.

⚠️ WARNING

Consider the strength, length and width of loading ramps before using;

- Loading or unloading must be done on a flat and safe place, the tractor engine switched off, and the parking brake engaged. The loading ramps must be non-slip and have sufficient strength, length, and width for the tractor.

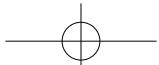
If this instruction is ignored, the tractor may roll backwards or fall off causing accident or injury.

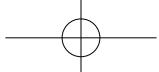
⚠️ WARNING

Move the tractor backward when loading, and forward when unloading;

- Move the tractor backward when loading it on the truck, and forward when unloading from the truck.

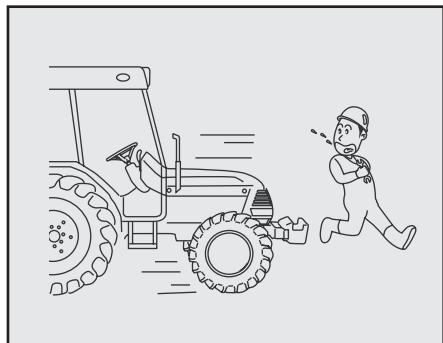
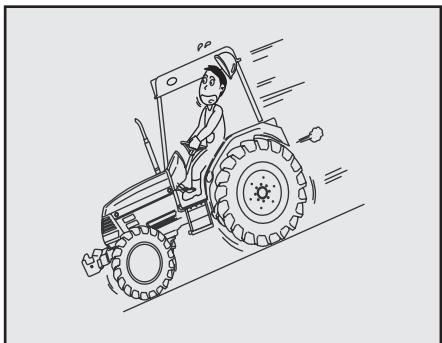
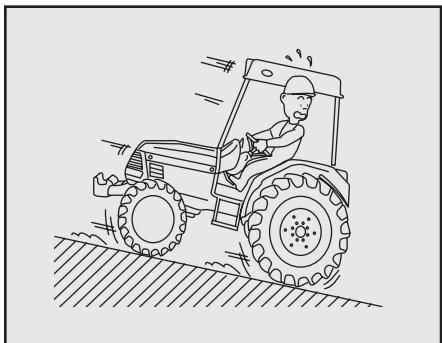
If this instruction is ignored, the tractor may roll or fall off causing accident or injury.





BEFORE WORKING

1

**⚠ WARNING**

Be careful when driving on the loading ramps;

- Be careful when driving on the loading ramps. Do not disengage the clutch, shift the main shift, range shift, or forward/reverse lever.

If this instruction is ignored, the tractor may roll backwards or fall causing accident or injury.

⚠ WARNING

Do not shift gears on slopes or on the loading ramps;

- When driving on slopes or on loading ramps, select the proper shift gear before approaching the loading ramps and then do not shift the gear on the loading ramps.

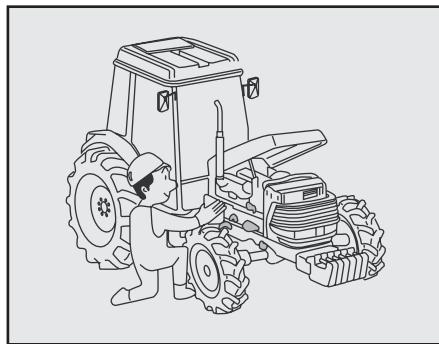
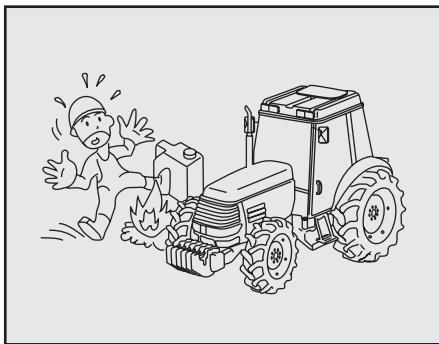
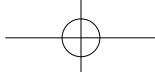
If this instruction is ignored, there is a risk of slipping, rolling, or overturning.

⚠ CAUTION

Stop the engine before maintenance;

- Stop the engine before maintenance when checking, repairing or cleaning the machine.

If this instruction is ignored, there is a risk of injury.



⚠ DANGER

Stop and cool down the engine before fueling or lubricating;

- Do not fill the fuel while the engine is running or machine is hot.

If this instruction is ignored, fuel can catch fire or lead to fatal injury with burn.

⚠ DANGER

No fire or spark near to the battery;

- No fire or spark near to the battery while checking and charging the battery.

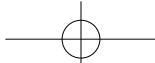
If this instruction is ignored, the battery can cause a blaze or explosion and lead to a fatal injury or death.

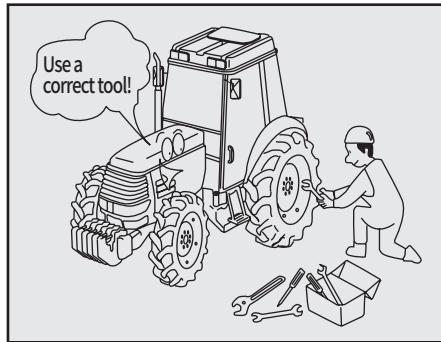
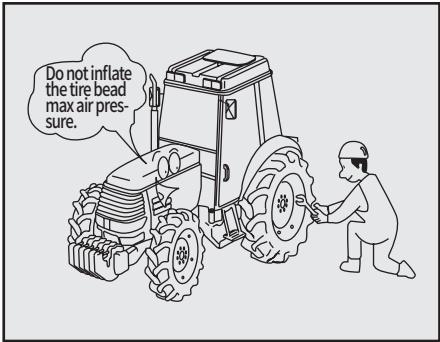
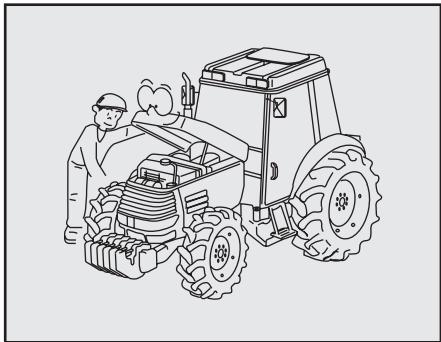
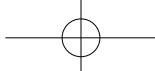
⚠ DANGER

Remove dirt and debris from muffler and engine before operating;

- Clean if there is dust, debris or fuel on the engine or muffler before operating the machine every day.

If this instruction is ignored, there is a risk of fire.





⚠️ WARNING

Check electrical component and wire harness;

- Check before work if the wire harnesses are burned or stuck on any other component, if the cord cover is peeled off or if the wire connectors are loose.

If this instruction is ignored, the electrical short can cause fire and injury.

⚠️ CAUTION

Do not over inflate tires;

- When filling tires with air, do not inflate it beyond the maximum pressure stated in this manual. (Refer to P5-22 of Proper inflation pressure)

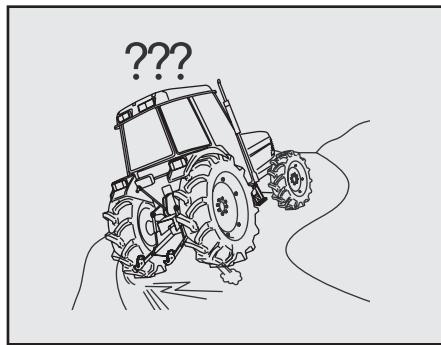
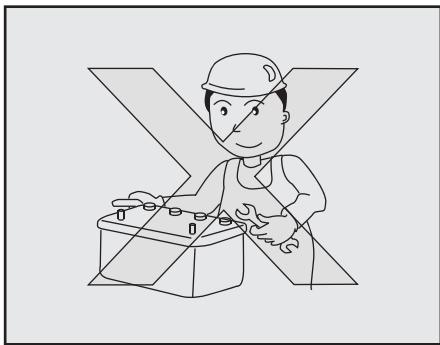
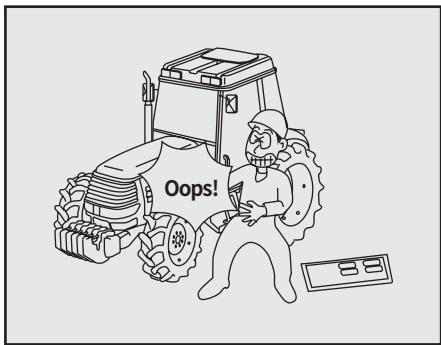
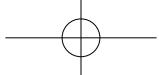
If this instruction is ignored, the tire may blow out, causing an injury.

⚠️ CAUTION

Use correct tools;

- Use proper tools to carry out all maintenance procedure. Also have available the required tools in the tractor at all times.

If this instruction is ignored, there is a risk of accident due to poor maintenance.



CAUTION

Secure hood and side covers before operating tractor;

- After detaching the covers for checking or maintenance, make sure to put them back in their place.

If this instruction is ignored, there is a risk that you may get entangled in the tractor or get injured.

CAUTION

Observe correct procedures when installing or removing the battery;

- Connect the (+) terminal first when installing the battery, and disconnect the (-) terminal first when removing it.

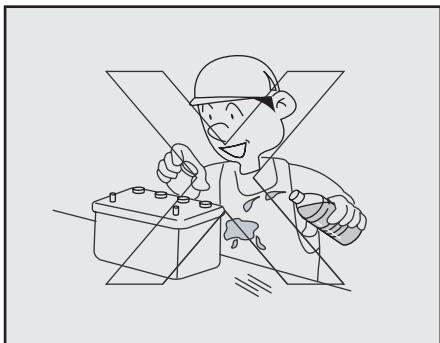
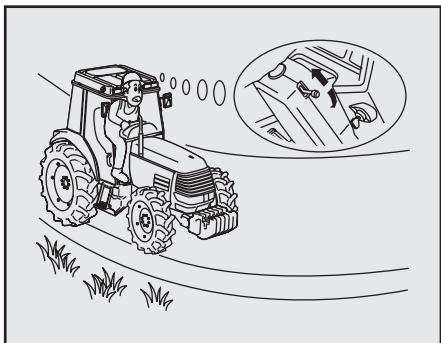
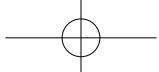
If this instruction is ignored, there is a risk of burn or fire due to short circuit.

WARNING

It is necessary to inspect the brake and steering wheel;

- Check if the brakes work properly and evenly on both sides or if the steering wheel is loose.

If this instruction is ignored, there is a risk of accident.



⚠️ WARNING

Lock tilt lever and telescopic knob when adjusting steering wheel;

- Except when you adjust the steering wheel, make sure that the tilt lever and telescopic knob are secured in the "No" and "Lock" positions.

If this instruction is ignored, the tractor may not turn properly, causing an accident.

⚠️ DANGER

Avoid contact with the battery solution;

- Be careful that your body or your clothes do not come in contact with the battery solution. If it contacts your skin, wash immediately with water.

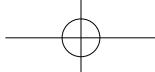
If this instruction is ignored, it can burn your skin or clothes.

⚠️ WARNING

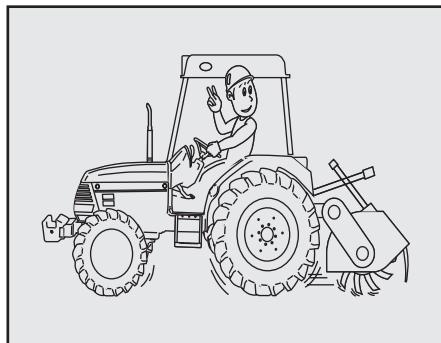
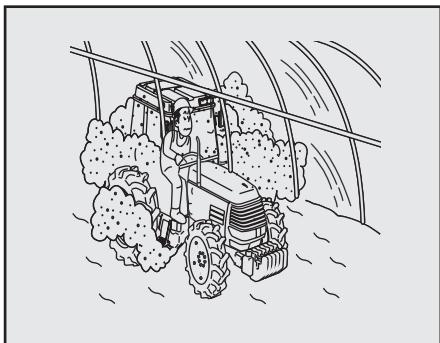
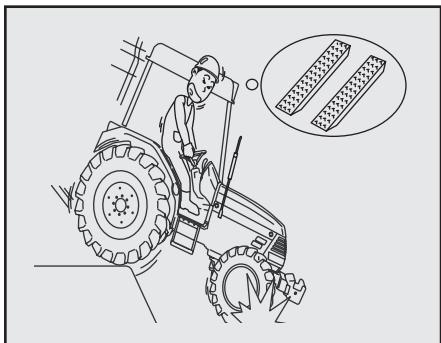
Be sure to check before and after using machine;

- Be sure to check the machine before and after using. Especially inspect and repair controls such as clutch, brake, lever, etc.

If this instruction is ignored, the machine can be broken or lead to an accident or injury.



WHILE WORKING



⚠ WARNING

Use the loading ramps when crossing a ditch or a dike;

- Be sure to use the loading ramps when crossing a ditch or dike, or when passing through soft land. The loading ramps must be suitable for the tractor in width, length and strength.

If this instruction is ignored, there is a risk of accident that the tractor may slip or turn over.

⚠ WARNING

Properly ventilate when working in a green house;

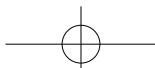
- Ventilate the green house to let out the exhaust gas.

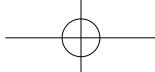
If this instruction is ignored, the exhaust gas can cause intoxication and lead to fatal consequences.

⚠ WARNING

Pay attention and keep hands on the steering wheel while driving;

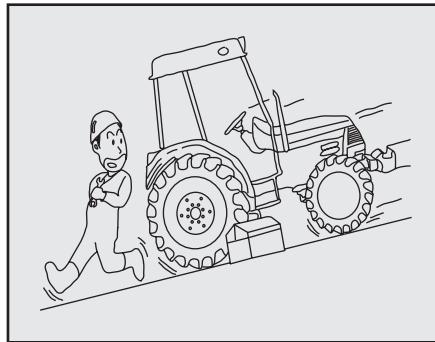
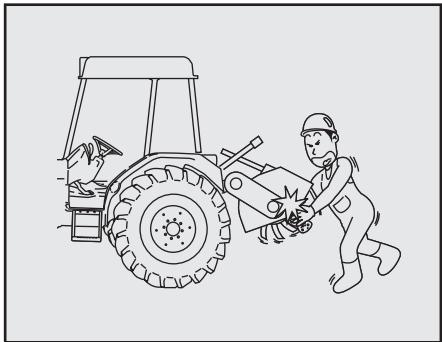
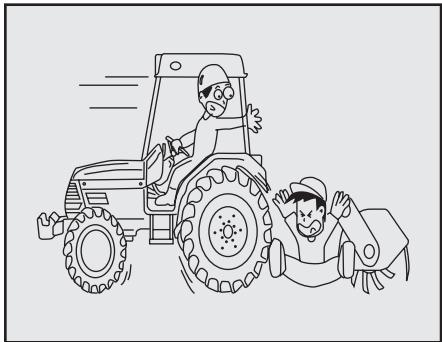
If this instruction is ignored, there is a risk of accident or injury.





AFTER USING THE MACHINE

1

**⚠ WARNING**

Do not allow anyone near while operating the tractor or implement;

- When engaging or disengaging the implement by moving the tractor, make sure that no one is around the tractor or between the implement and the tractor.

If this instruction is ignored, there is a risk of accident or injury.

⚠ WARNING

Stop the engine when removing grass, etc. from blades of the cultivator;

- Stop the engine when removing grass, etc. from blades of the cultivator and lock the flow control valve not to lower the implement.

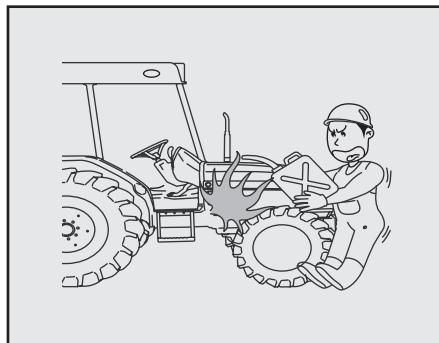
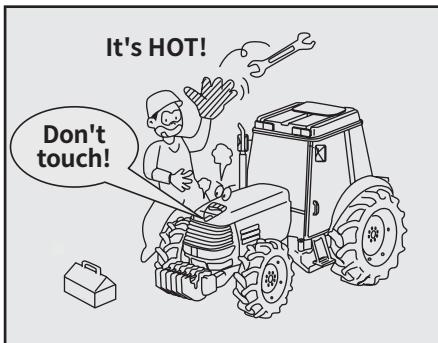
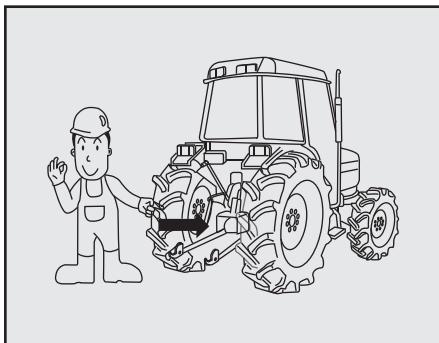
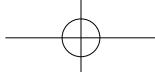
If this instruction is ignored, there is a risk that you will get entangled in the cultivator or sustain a serious injury due to lowering the implement.

⚠ WARNING

Perform the maintenance on a level and safe location;

- Perform the maintenance on a level and safe location that will keep the tractor in place and will not cause a risk to people passing by. Before carrying out the maintenance, place blocks at the front and rear tires to prevent movement.

If this instruction is ignored, an unexpected accident may occur, such as overturning of the tractor.



CAUTION

Cover the PTO shaft when not in use;
• When the PTO shaft is not in use, apply grease and keep it covered.

If this instruction is ignored, there is a risk that you may get entangled or get injured. Implement shaft installation on the PTO shaft will not be easy due to the rust on it.

CAUTION

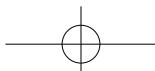
Carry out maintenance after the parts have cooled down;
• Carry out the maintenance work after the heated area such as the muffler or the engine is fully cooled down.

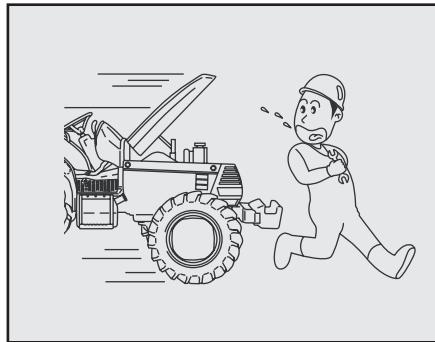
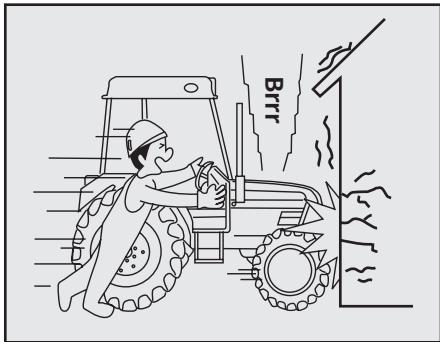
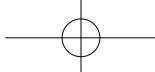
If this instruction is ignored, there is a risk of getting burnt.

CAUTION

Stop and cool down the engine before fueling or lubricating;
• Do not fill the fuel while the engine is running or machine is hot.

If this instruction is ignored, fuel can catch fire or lead to fatal injury with severe burns.





⚠ CAUTION

Be careful of high oil pressure;

- Make sure that the hydraulic coupling or the hose is not loose or damaged. Before separating the hydraulic coupling or the hose, eliminate the high pressure inside the hydraulic system by moving the control lever while engine is stopped.

If this instruction is ignored, the oil under high pressure may cause skin injury.

⚠ WARNING

Make sure that you are seated in the driver's seat with your seat belt fastened before starting engine;

- When starting the engine, make sure that you are seated in the driver's seat with your seat belt fastened and check the seat position and the safety of the tractor.

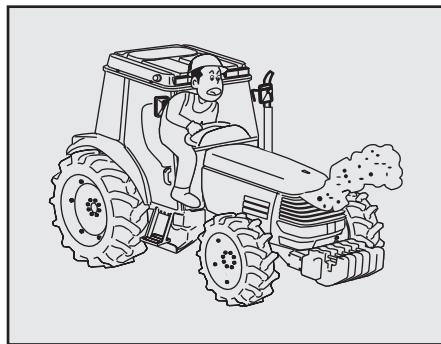
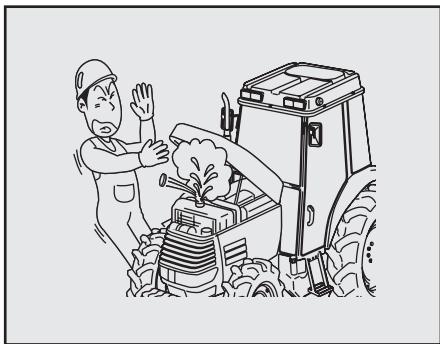
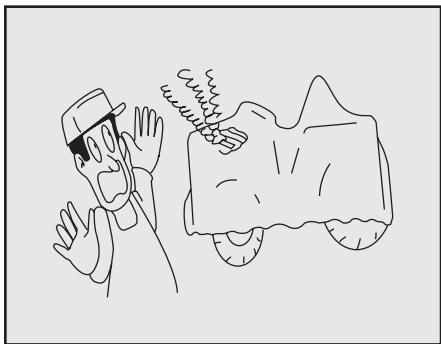
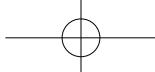
If this instruction is ignored, an unexpected accident may occur.

⚠ CAUTION

Stop the engine before maintenance;

- Stop the engine before maintenance such as checking, repairing or cleaning the machine.

If this instruction is ignored, there is a risk of injury.



WARNING

Put tractor rain cover on only after tractor has cooled down;

- Put tractor rain cover on only after parts such as the engine and muffler have cooled down.

If this instruction is ignored, there is a risk of fire.

WARNING

Do not open the radiator cap when the radiator is hot;

- Never open the radiator cap when the radiator is heated.

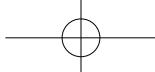
If this instruction is ignored, hot water may spurt, causing burns or damage.

WARNING

Remove dirt and debris from muffler and engine before operating;

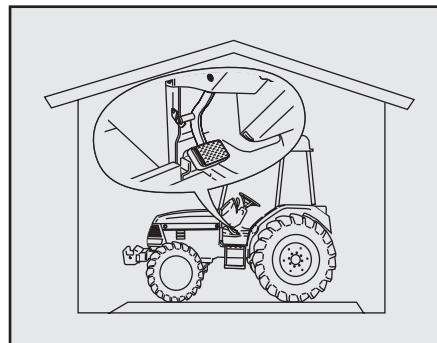
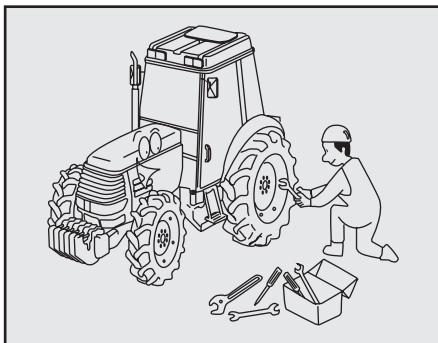
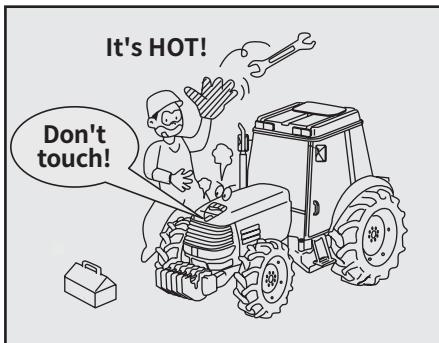
- Clean if there is dust, debris or fuel on the engine or muffler before operating the machine every day.

If this instruction is ignored, there is a risk of fire.



PRECAUTION FOR PROLONGED STORAGE

1

**! CAUTION**

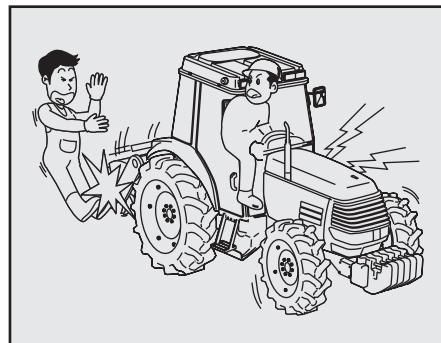
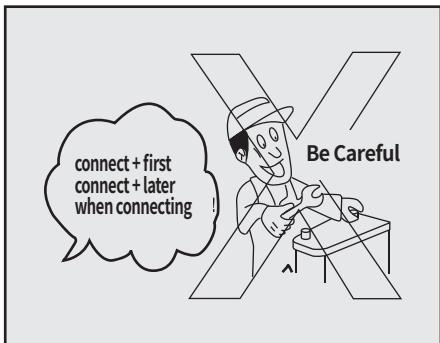
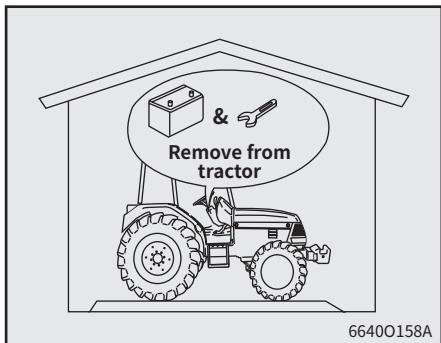
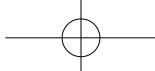
Be careful of hot muffler;
• During operation and right after the engine is turned off, the muffler is very hot. Avoid touching it.
If this instruction is ignored, you may get burnt.

! CAUTION

After working, immediately repair if necessary;
• Immediately repair or replace the faulty parts.
- Tighten the loose bolt and nut right away.
If this instruction is ignored, an unexpected accident may occur due to poor maintenance.

! CAUTION

Disengage the clutch when storing the tractor for a long time;
• When storing the tractor for a long period of time, make sure to put the clutch pedal in the disengaging position.
If this instruction is ignored, the clutch disc can be stuck to the fly wheel after long period time.



⚠️ WARNING

Disconnect the Battery and the key when storing the tractor for a long period of time;

- When storing the tractor without use for a long period of time, park the machine on the leveled ground and clean each component, remove the battery and keep the key in a safe place.

If this instruction is ignored, battery power may be weakened and starting will be failed.

⚠️ CAUTION

Observe correct procedures when installing or removing the battery;

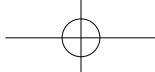
- Connect the (+) terminal first when installing the battery, and disconnect the (-) terminal first when removing it. If this instruction is ignored, there is a risk of burn or fire due to short circuit.

⚠️ WARNING

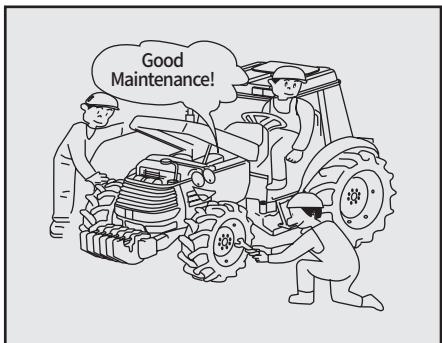
Confirm that the implement is down on the ground when starting the engine;

- When starting the engine, confirm that the control lever is on "Lowest" position.

If this instruction is ignored, implement may come down suddenly and cause an injury.



OTHER



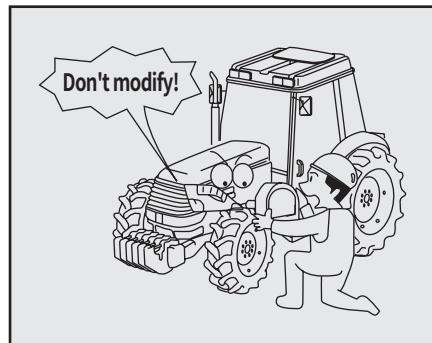
! WARNING

Do not adjust or repair following components. Consult your local TYM dealer for these repair;

- Injection capacity and timing of the engine fuel injection pump.
- Correction and repair of hydraulic system (safety valve, hydraulic pump, brake valve, PST cylinder, SCV valve).

There is a risk of accident or injury or machinery breakdown. Remember it may cause the warranty cancellation.

If this instruction is ignored, consult your local TYM dealer for those repair and adjustment.



! WARNING

Maintenance periodically;

- After using tractor, visit your local dealer for maintenance, such as oil change and filters.
 - Contact the local dealer to discard the parts (battery, etc.) or waste materials.

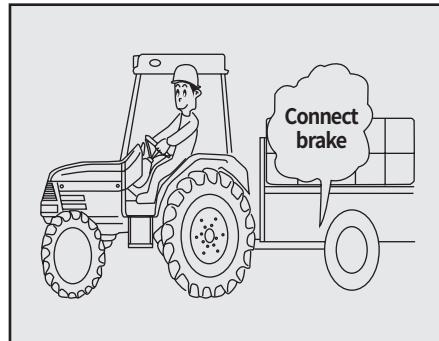
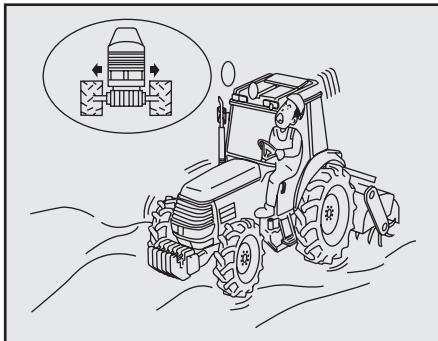
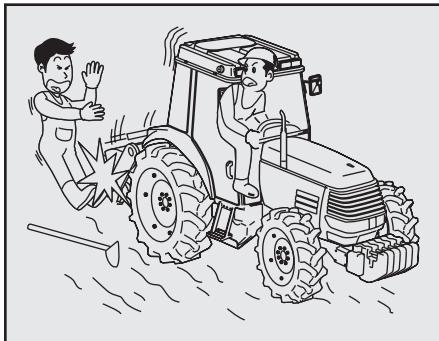
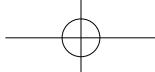
If this instruction is ignored, there is a risk of accident due to poor maintenance.

! CAUTION

Do not modify the tractor;

- Use only the genuine parts or other approved parts. Do not modify the tractor.

If this instruction is ignored, there is a risk of accident or injury or machinery breakdown. Remember it may cause the warranty cancellation.



⚠️ WARNING

Pay attention when turning with implement;

- Depending on implements, the overall length may become very long. Pay particular attention to people or objects nearby when making a turn.

If this instruction is ignored, there is a risk of person injury or a collision of the implement.

⚠️ WARNING

Move wheels to widest setting (width between left and right tires) when working slope or when towing;

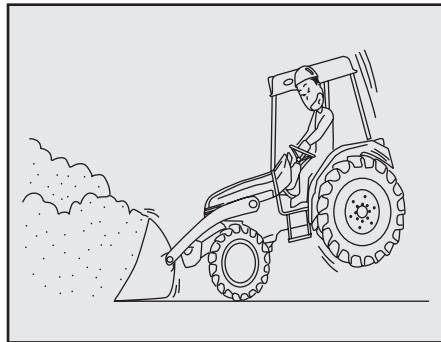
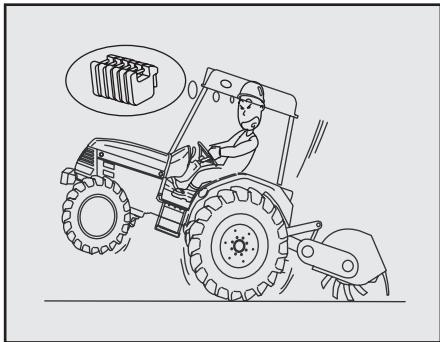
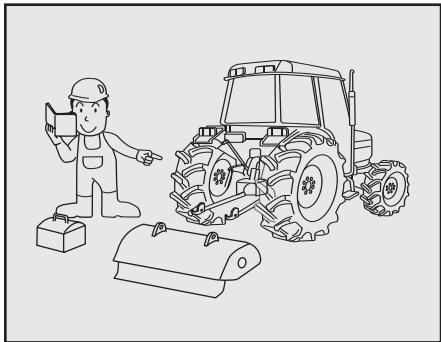
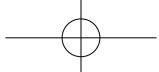
If this instruction is ignored, there is a risk of turning over.

⚠️ WARNING

Use caution sign when towing a trailer;

- Link the brake of the trailer with the brake of the tractor. Do not shift gears when driving on a hill.

If this instruction is ignored, there is a risk of accident or injury.



⚠ WARNING

Follow the instruction manual when engaging an implement;

- When engaging an implement to the tractor, follow the instruction manual for the implement.

If this instruction is ignored, there is a risk of personal injury or damage to the tractor.

⚠ WARNING

Balance a heavy implement with weights;

- When engaging a heavy implement, load the weights on the front of tractor to keep the balance of the tractor.

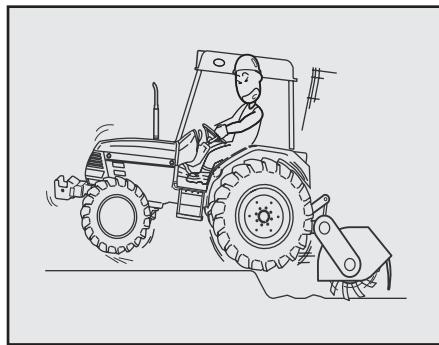
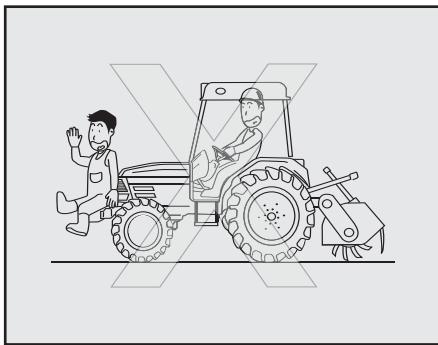
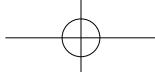
If this instruction is ignored, there is a risk of accident or injury due to loss of balance.

⚠ WARNING

Pay attention to the balance between the front and rear side during the front-end-loader operation;

- During the front-end-loader operation, apply weights or implement to avoid loosing balance between the front and the rear side of tractor.

If this instruction is ignored, there is a risk of overturning accident due to loss of balance.



⚠️ WARNING

Do not get under or put your feet under the implement;

- Do not get under or put your feet under the implement.

If this instruction is ignored, the implement unit may fall down and there is a risk of injury.

⚠️ WARNING

Do not substitute balance weights with a person or anything else;

- Do not use a person or anything else in place of the balance weight. Use only genuine balance weight.

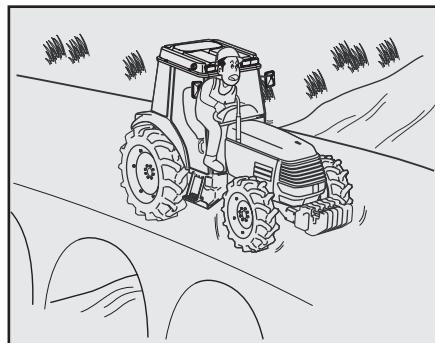
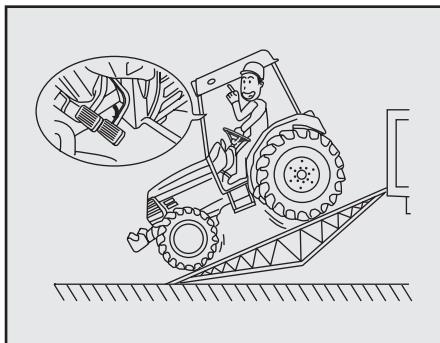
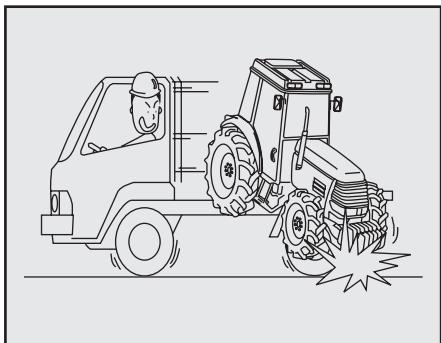
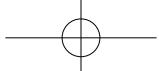
If this instruction is ignored, there is a risk of accident or injury.

⚠️ WARNING

Be careful of unexpected movement when using the rotary tiller;

- When working with the rotary tiller, put the tiller slowly on soft or rocky ground. The tractor may be pushed in an unexpected direction by the rotating force of the tiller.

If this instruction is ignored, there is a risk of accident or injury.



⚠ WARNING

Properly secure tractor during transport;

- When transporting the tractor, apply the parking brake with gear engaged and fasten the tractor to the truck securely using ropes or belts with sufficient strength.

If this instruction is ignored, there is a risk of accident that the tractor may fall off the truck.

⚠ DANGER

Interlock the brake pedals for both sides when loading or unloading the tractor;

- It is necessary to interlock the brake pedals for both sides when loading or unloading the tractor.

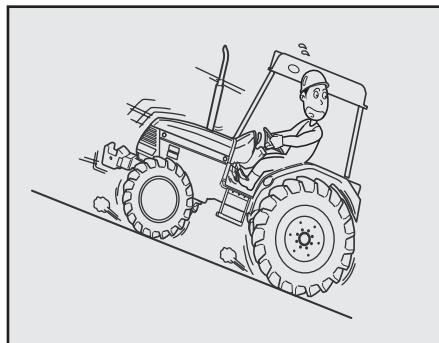
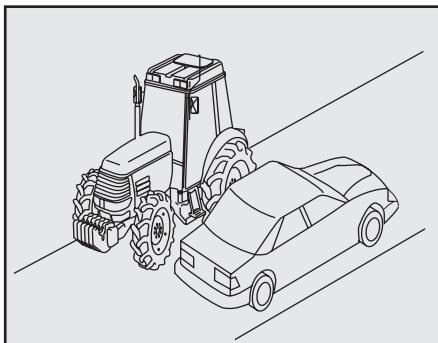
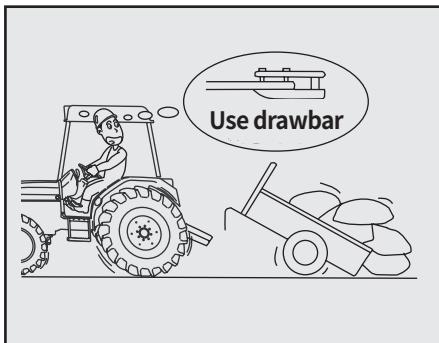
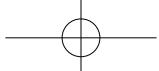
If this instruction is ignored, the tractor may overturn due to one-sided braking when the brake pedal is depressed in an emergency.

⚠ WARNING

Release the differential gear lock when making a turn;

- Make sure to release the differential gear lock when making a turn.

If this instruction is ignored, the tractor may not turn to the intended direction and cause an accident.



⚠️ WARNING

Use the draw bar when towing;
• Make sure to use the draw bar when towing. Never tow anything with the top link or the lower links.

If this instruction is ignored, the tractor may turn over.

⚠️ WARNING

Pay attention to the shoulder of the road;

- When moving along the unpaved road with ditches or slanted sides, pay attention to the road shoulder.

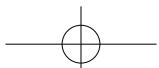
If this instruction is ignored, there is a risk of falling over.

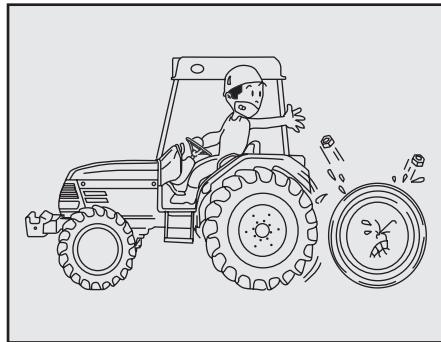
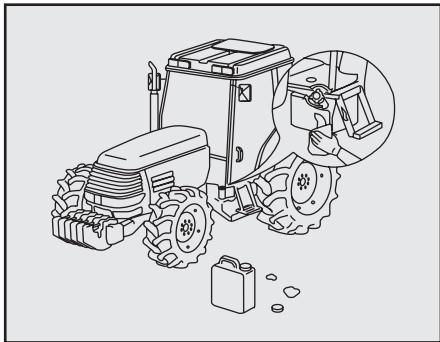
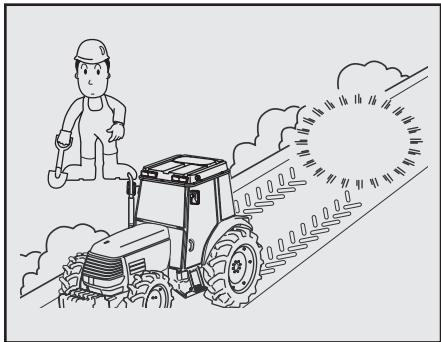
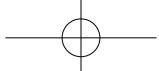
⚠️ WARNING

Be careful when driving on a hill;

- Be careful when driving on a hill. Do not disengage the clutch on the hill. Do not shift the main shift lever, range shift lever, or shuttle lever in [neutral] on the hill.

If this instruction is ignored, the tractor may roll backwards or fall causing accident or injury.





⚠️ WARNING

Turn off engine in a level area when leaving the tractor;

- When leaving the tractor, park the tractor on a level and safe area, turn off the engine, and apply the parking brake. Also, lower the implement on the ground.

If this instruction is ignored, the tractor may move and cause an accident.

⚠️ WARNING

Remove spilled excess fuel after closing the fuel cap;

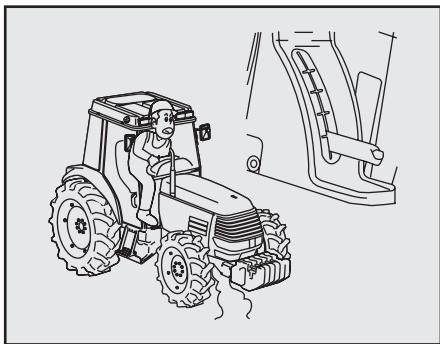
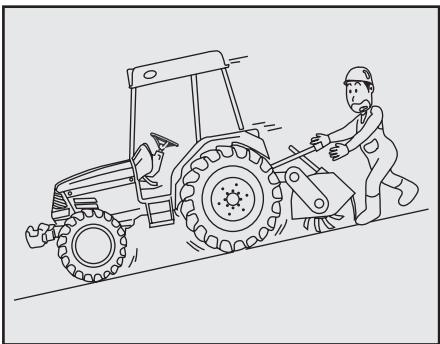
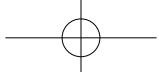
- After filling the fuel tank, close the fuel filler cap completely and wipe off the excess fuel thoroughly.

If this instruction is ignored, there is a risk of fire.

⚠️ WARNING

Be aware of the PTO RPM requirements for the implements;

If this instruction is ignored, there is a risk of accident or injury.



WARNING

Only engage or disengage implements on flat, level area:

- Engage or disengage the implement on a flat and safe place. Supply proper lighting at all times and especially night.

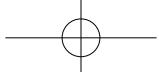
[Otherwise]

There is a danger of accident.

CAUTION

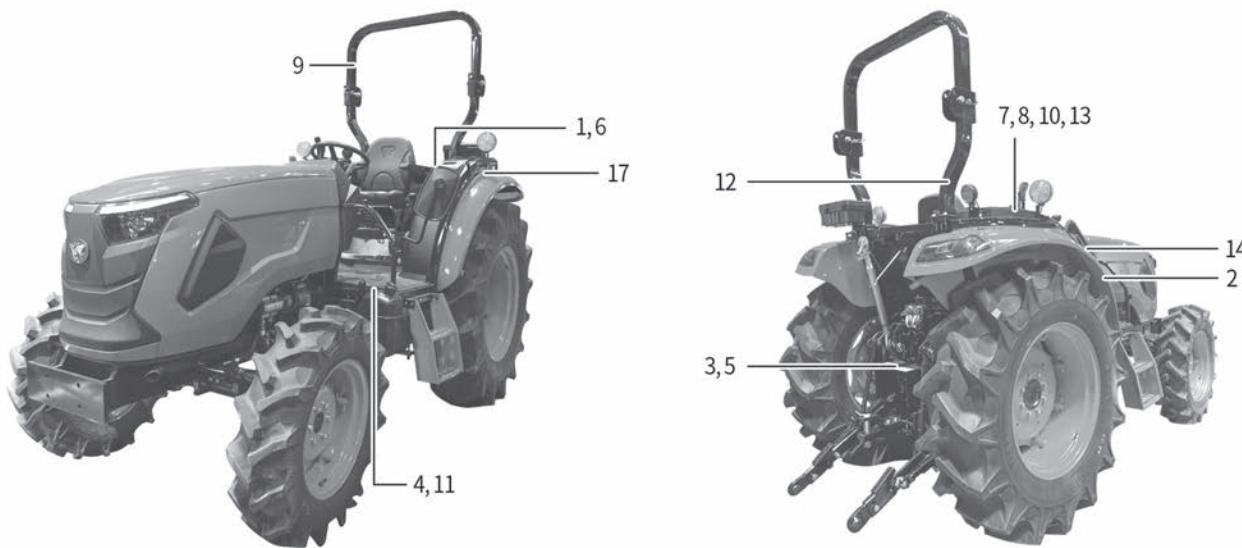
Engage the parking brake during warming up the engine;

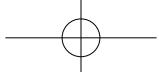
If this instruction is ignored, the tractor may move and cause an accident or injury.



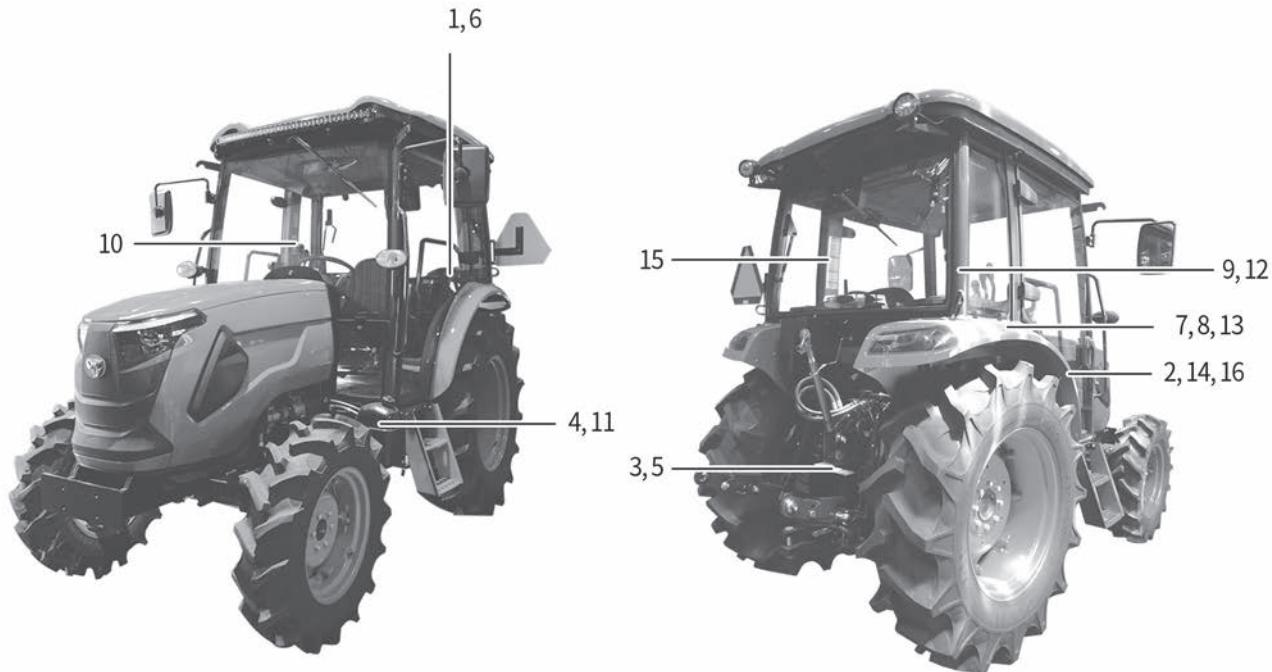
DECAL ROPS

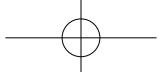
1



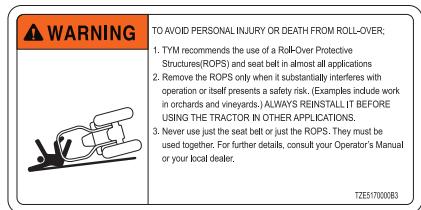


DECAL CABIN

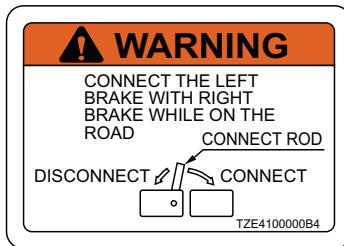




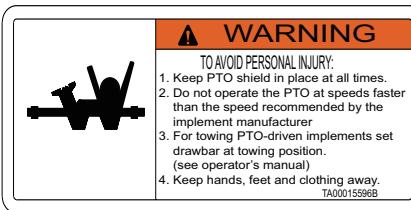
(1) TZE5170000



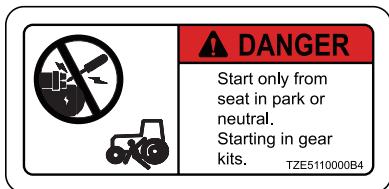
(2) TZE4100000



(3) TA00015596



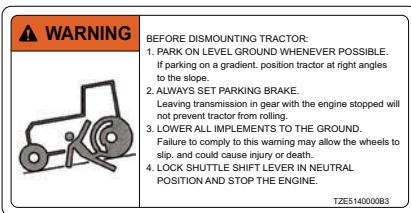
(4) TZE5110000

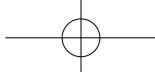


(5) TZE5120000



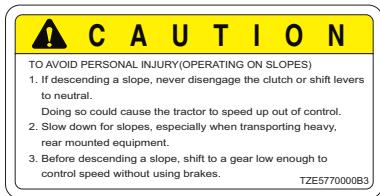
(6) TZE5140000



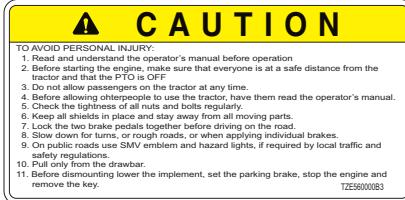


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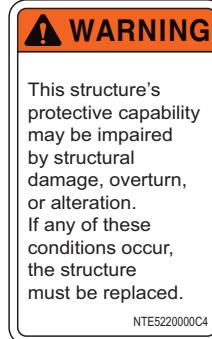
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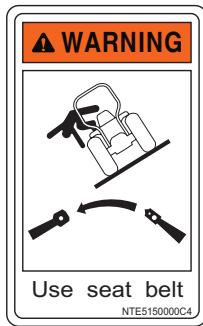
(8) TZE5160000



(9) NTE5220000



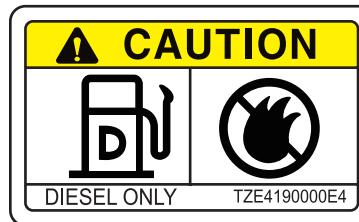
(10) NTE5150000 (Non-Cabin)

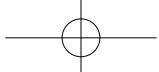


(10) No.: TA00038791 (Cabin)

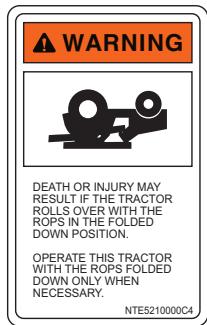


(11) TZE4190000

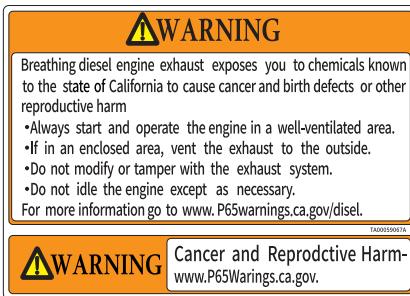




(12) NTE5210000



(13) TA00059067



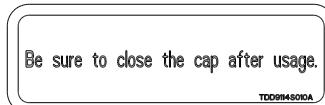
(15) A00028504

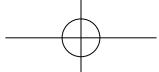


(14) TA00026342

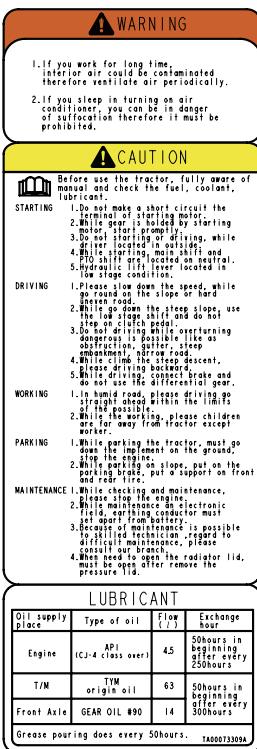


(17) TDD9114S010



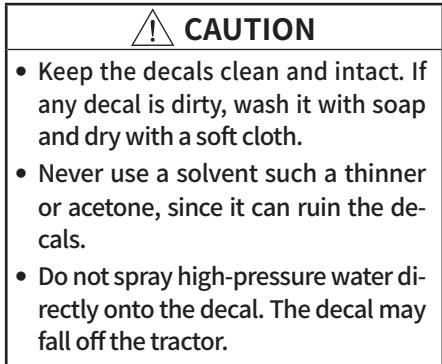


(16) TA00073309



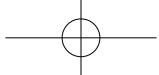
CAUTIONS FOR DECAL MAINTENANCE

Safety decals are attached to the tractor for safe operation. Make sure to follow the instruction on the decals as well as the following instruction:



IMPORTANT

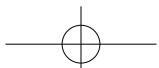
- If a decal is damaged or lost, contact your local TYM dealer immediately to install a new decal.
- Make sure to attach the decal in the correct position cleanly without bubbles after cleaning its mounting surface.
- If a decal is attached to a component to be replaced, replace the decal as well.

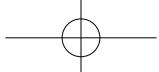


2. REGARDING WARRANTY SUPPORT

REGARDING WARRANTY CERTIFICATE	2-2
REGARDING AFTER-SALES SERVICE	2-2
VEHICLE IDENTIFICATION NUMBER (VIN).....	2-2
REGARDING SUPPLYING SERVICE PARTS	2-3
REGARDING GENUINE PARTS AND FLUID	2-3

2





2-2 Designed for your world

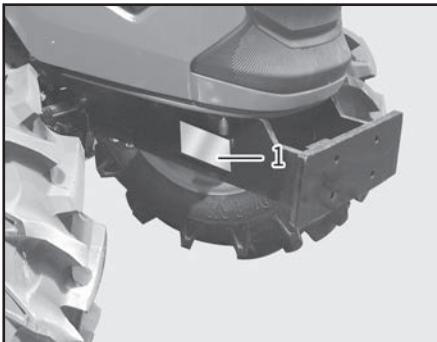
REGARDING WARRANTY CERTIFICATE

WARNING

- Do not modify the machine. If it is damaged by unapproved modification and misuse against description of manual, it will not be covered under warranty.

REGARDING AFTER-SALES SERVICE VEHICLE IDENTIFICATION NUMBER (VIN)

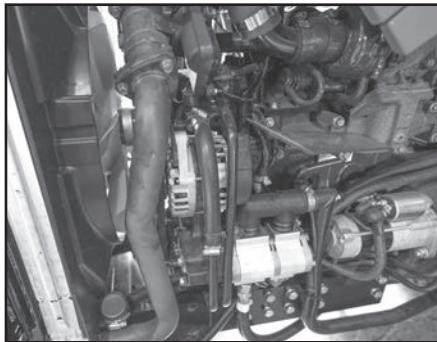
► PRODUCTION SERIAL NUMBER



(1) Model And Production Serial Number

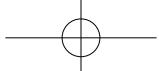
The manufacturer's serial number is marked on the serial number decal which is attached to the front right side of the front axle bracket.

► ENGINE SERIAL NUMBER



(1) Engine Serial Number

The engine number is stamped on the cylinder block and is specified on the decal which is attached to the cylinder block on the left side of the engine. Also, the decal indicating the engine model and standards is attached on the top of the engine cylinder head cover.



REGARDING SUPPLYING SERVICE PARTS

► REGARDING AFTER-SALES SERVICE

If you have a problem on your machine, refer to "Troubleshooting" of chapter 7 to check by yourself. Or contact immediately to an authorized **TYM** dealer nearby.

► BE PREPARE FOR THE FOLLOWING QUESTION BEFORE CALLING

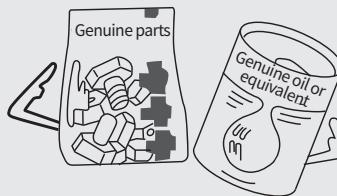
- Model and product serial number
- In case of engine failure, engine serial number
- Working conditions (What kind of job and how fast)
- Run hour of machine
- Describe the problem in detail as possible

We supply the service parts in accordance with the separated quality assurance regulation.

Consult your local dealer for availability and pricing.

REGARDING GENUINE PARTS AND FLUID

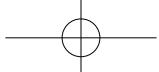
Use **TYM** genuine parts only!!



60150205A

2

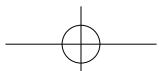
The **TYM** genuine parts and fluid are passed severe durability and performance test. Please use **TYM** genuine parts for your safety.

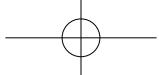


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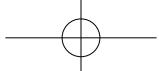


3. SPECIFICATIONS

MAJOR SPECIFICATIONS 3-2

DRIVING SPEED 3-4

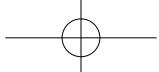
3



MAJOR SPECIFICATIONS

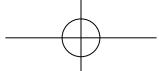
Specification		Models	T4058PU	T4058PCU
Engine	Model		T2300T7-UTR_4	T2300T7-UTC_4
	Aspiration		Turbo charged	
	Emissions Standards		Tier 4	
	Gross Power hp	hp (kW)	58 (43)	
	PTO hp	hp (kW)	48 (35)	
	No. of Cylinders		4	
	Displacement	cu.in (cc)	139.6 (2,287.0)	
	Rated Revolution	RPM	2,600	
	Max Torque	lb-ft (Nm)	140.0 (190.0)	
	Fuel Tank Capacity	gal (l)	15.3 (58.0)	
	Fuel Consumption	gal.hr (l/hr)	4.1 (15.7)	
	Air Cleaner		Dry Element	
	Alternator	12 volt amp	12V-70A	

※Dimensions and weights are based on 9.5-20 / 14.9-28.



Specification	Models	T4058PU	T4058PCU
Drive Train	Forward/Reverse Method	Power shuttle	
	4 Wheel Drive	2WD/4WD	
	No. of Traveling Speeds	12F / 12R	
	Forward Traveling Speed mph (km/h)	20.39 (32.82)	
	Reverse Traveling Speed mph (km/h)	19.39 (31.22)	
	Clutch	Wet, Multi-disc	
	Brake	Wet, Multi-disc	
	Differential Lock	Standard	
	Creeper	No	
	Cruise Control	No	
Hydraulics	Power Steering	Hydrostatic Power Steering	
	Total Hydraulic Flow gpm/ (POWER STEERING+Implement) lpm	13.3 (9.2+4.1) / 50.5 (34.8+15.7)	
	Lift Control Type	Position & Draft (Electrically controlled)	
	Loader Valve (Front SCV)	4 ports with normal joystick (3rd function kit available)	6 ports with 2-button joystick (3rd function)
	Rear Remote Valve	4 Ports	6 Ports

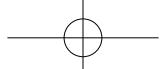
※Dimensions and weights are based on 9.5-20 / 14.9-28.



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Specification		Models	T4058PU	T4058PCU
3 Point Hitch	3 Point Hitch		CAT 2	
	Lift capacity at lift link ends	lb. (kg)	4,409 (2,000)	
	3Point Hitch Lift Capacity @24" behind lift point	lb. (kg)	3,075 (1,395)	
PTO	Rear PTO Speed	RPM	540	
	Rear PTO Type		Independent	
	Clutch		Wet, Multi-disc	
Tires	Front		9.5-20 6PR	
	Rear		14.9-28 6PR	
Dimensions	Wheelbase	in. (mm)	78.80 (2,003)	
	Overall Length(W/ 3PT)	in. (mm)	151.50 (3,849)	
	Min. Overall Width	in. (mm)	68.90 (1,750)	
	Overall Height	in. (mm)	104.72 (2,660)	99.01 (2,515)
	Ground Clearance(4WD)	in. (mm)	18.10 (460)	
	Min. Turning Radius (W/ Brake)	feet (mm)	Right turn: 10.82(3,299) / Left turn: 10.77(3,282)	
	Turning Degree		43°	
	Weight(W/O Front Weights)	lb. (kg)	4,506 (2,044)	4,951 (2,246)

※Dimensions and weights are based on 9.5-20 / 14.9-28.



DRIVING SPEED

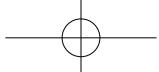
- ※ The tractor's speed is changed by the condition of the tires and road surface.
- ※ To ensure safety, drive at a proper speed.

Engine speed: 2,600 rpm

km/h (mph)

3

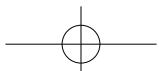
RANGE		A				B				C			
MAIN		1	2	3	4	1	2	3	4	1	2	3	4
T4058PU, T4058PCU	FORWARD	1.99 (1.24)	2.34 (1.45)	3.13 (1.95)	4.41 (2.74)	4.88 (3.03)	5.73 (3.56)	7.68 (4.77)	10.81 (6.72)	14.83 (9.22)	17.38 (10.80)	23.32 (14.49)	32.82 (20.39)
	BACKWARD	1.90 (1.18)	2.22 (1.38)	2.98 (1.85)	4.20 (2.61)	4.65 (2.89)	5.45 (3.39)	7.31 (4.54)	10.28 (6.39)	14.11 (8.77)	16.53 (10.27)	22.18 (13.79)	31.22 (19.40)

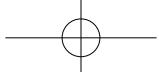


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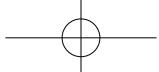
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4. OPERATION DESCRIPTION

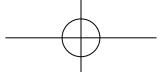
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4. OPERATION DESCRIPTION

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SAFETY FRAME ROPS	4-37
OUTSIDE SWITCH.....	4-38
REAR COMBINATION LAMP	4-38

Designed for your world



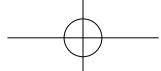
EXTERIOR VIEW ROPS



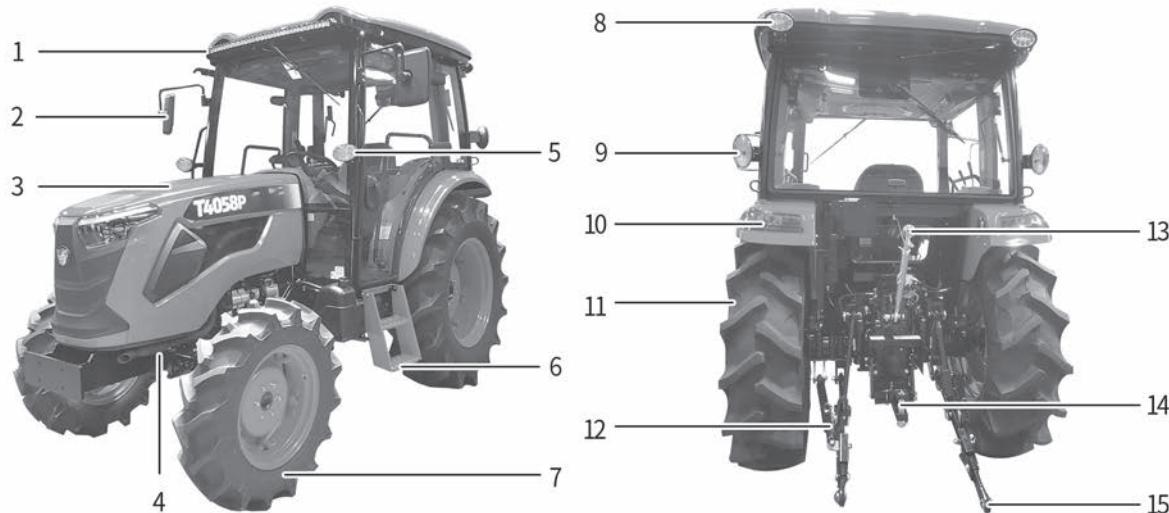
- (1) Hood
- (2) Steering Wheel (Handle)
- (3) Seat
- (4) Combination Lamp
- (5) Side Mirror

- (6) Step
- (7) Front Tire
- (8) Muffler
- (9) ROPS Frame
- (10) Combination Lamp(Rear)

- (11) Top Link
- (12) Draw bar
- (13) Lower Link
- (14) LED Working Lamp
- (15) Rear Tire



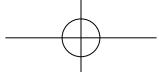
EXTERIOR VIEW CABIN



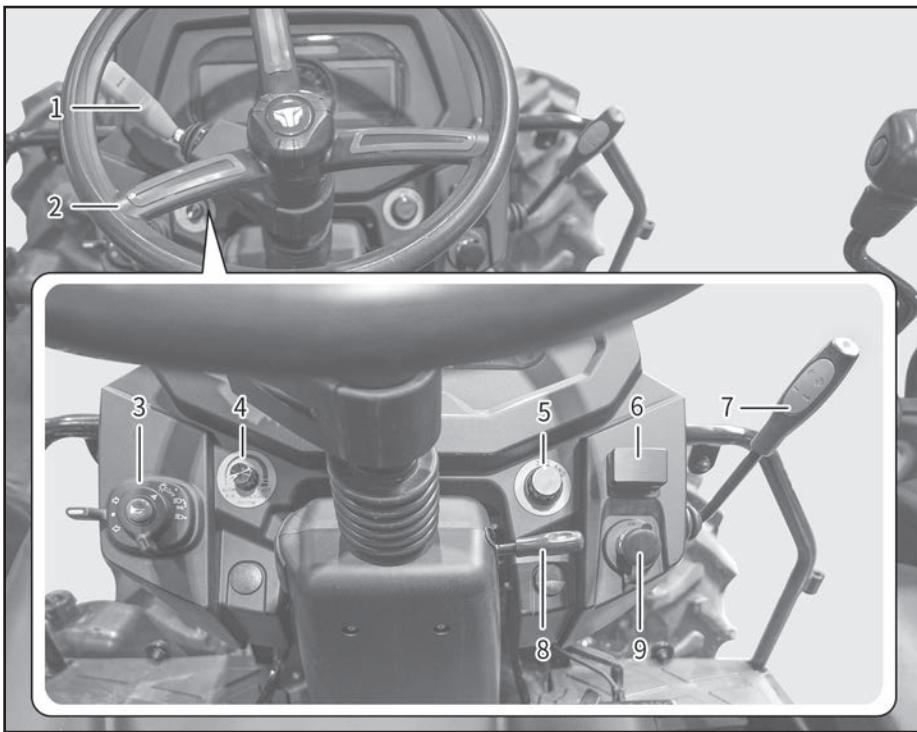
(1) LED Bar Lamp
(2) Side Mirror
(3) Hood
(4) Muffler
(5) Turn Signal Lamp

(6) Step
(7) Front Tire
(8) Rear Work Lamp
(9) Rear Turn Signal Lamp
(10) Combination Lamp

(11) Rear Tire
(12) Check Link
(13) Top Link
(14) Draw Bar
(15) Lower Link



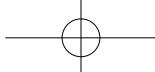
SWITCHES AND LEVERS



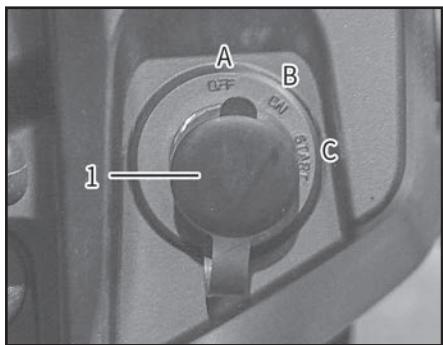
- (1) F/R Shuttle Lever
- (2) Steering Wheel (Handle)
- (3) Combination Lamp / Horn Switch
- (4) F/R Sensitivity Control Switch
- (5) 4WD Switch
- (6) Hazard Switch
- (7) Accelerator Lever
- (8) Steering Column Tilt Lever
- (9) Main (ignition) key Switch

※ Refer to the relevant content for further detailed information

4



MAIN (IGNITION) KEY SWITCH



(1) Main (Ignition) Key Switch
(A) OFF (B) ON
(C) START

The main (ignition) key switch is used to start or stop the engine.

• OFF

The engine is stopped, and current ends at the main (ignition) key switch.

• ON

Electric current flows to all switches in the electrical system.

- START

When the starter motor is engaged, the engine will start. When the engine is started, release the key. The key will return to the "ON" position automatically and the engine will keep running.

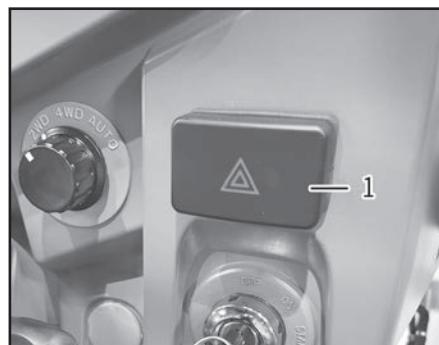
! CAUTION

- To start the engine, put the F/R shuttle lever to the “Neutral” position to release the safety start system.

! CAUTION

- When the tractor is not in use, take out the key and keep it in a safe place.

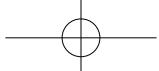
HAZARD SWITCH



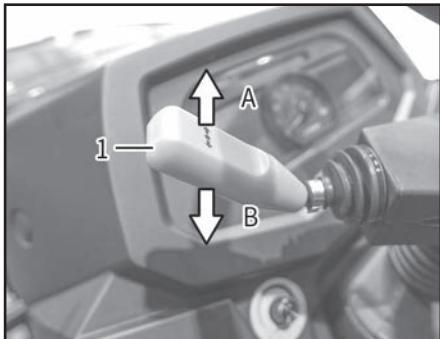
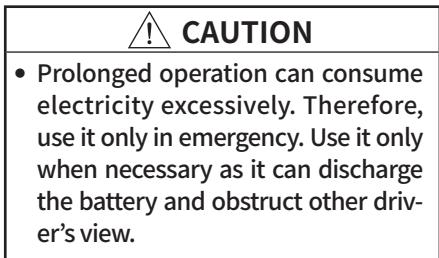
(1) Hazard Switch

Press the hazard switch in emergency to warn other vehicles in order to prevent an accident.

Pressing this switch blinks all turn signal lamps regardless of the position of the main (ignition) key switch. Pressing it again disables the flasher function.



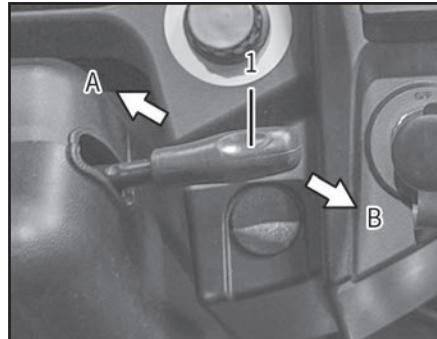
F/R SHUTTLE LEVER



(1) F/R Shuttle Lever
(A) Forward (B) Reverse

This is used to drive the tractor forward or backward. Shift the lever with the clutch pedal and brake pedal depressed to maximum.

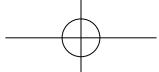
STEERING COLUMN TILT LEVER



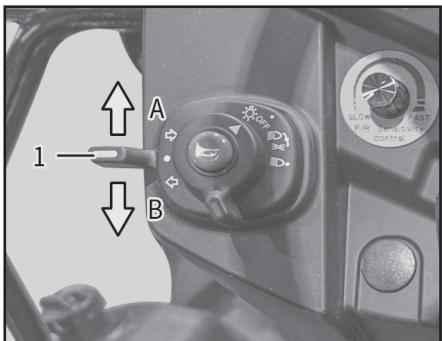
(1) Steering Column Tilt Lever
(A) Release (B) Lock

Confirm that the steering wheel is firmly fixed.





COMBINATION SWITCH ► TURN SIGNAL LAMP SWITCH



(1) Turn Signal Lamp Switch
(A) LH (B) RH

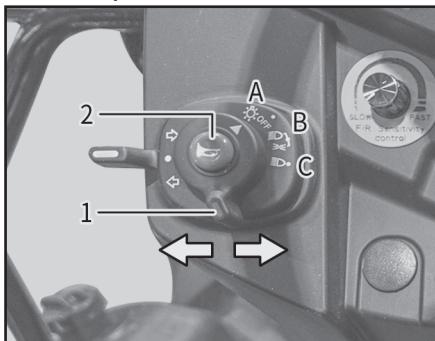
The turn signal lamps can be operated with the main (ignition) key switch in the "ON" position.

- Left turn : Push turn signal switch down. Then, the left turn signal lamp and the left turn signal lamp on the instrument cluster blink.
- Right turn : Push the turn signal switch up. Then, the right turn signal lamp and the right turn signal lamp on the instrument cluster blink.

NOTE

- This lever is not automatically returned to the neutral position. Therefore, set it back to the neutral position after turn.

► LAMP / HORN SWITCH

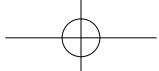


The lamp switch can be operated with the main (ignition) key switch in the "ON" position.

「OFF」 - All light OFF

☰ - Instrument lamp, tail lamp and low beam lamp ON.

☰ - Instrument lamp, tail lamp and high beam lamp ON.



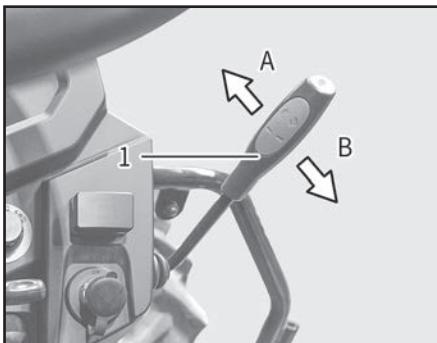
ACCELERATOR LEVER

WARNING

- The high beam can obstruct the view of other drivers coming in the opposite direction on a road, leading to an unexpected accident.

The horn can be operated regardless of the position of the main (ignition) key switch.

- Operating: Press the switch sounds the horn.



(1) Accelerator Lever

▲ : Slower Engine RPM (A)

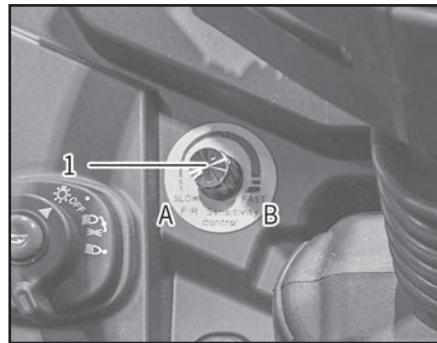
▼ : Faster Engine RPM (B)

It is used to make the engine run faster or slower. It is also used when working at a constant speed.

NOTE

- Use the accelerator pedal during driving for travel, not the accelerator lever.

F/R SENSITIVITY CONTROL SWITCH

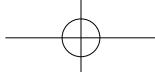


(1) F/R Sensitivity Control Switch

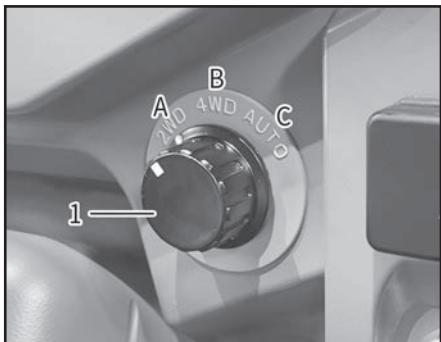
(A)

(B)

By adjusting the switch, you can adjust the sensitivity when moving forward or backward.



4WD SWITCH



4WD switch can be used to:

► 2WD

Drive in this position in areas where high load operation is not required.

4WD will be automatically activated when the brake pedals is depressed with following conditions.

① Left and right brake pedal are connected.

② Traveling speed of the tractor exceeds 3.1mph(5km/h).

► 4WD

Four-wheel drive is activated while the switch is in 4WD position regardless of traveling speed of the tractor.

Do not use 4WD at high traveling speed for a long period since it may harm durability of the tractor.

► AUTO

Drive in this position in areas where high load operation is required.

In this position, automatically 4WD will be deactivated and 4WD lamp on the instrument cluster will blink if traveling speed of the tractor exceeds 8.7mph(14km/h).

4WD will be reactivated and 4WD lamp on the instrument cluster will no more blink if the traveling speed of the tractor becomes 8.7mph(14km/h) or below.

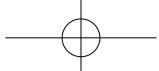
► EXAMPLES OF USEFUL CONDITIONS OF AUTO MODE

The auto mode can be used under the following conditions

- ① When cultivating in a field.
- ② When traction is required on a slope, in a wet field or for towing a trailer.
- ③ When working in a wet or sandy field.
- ④ When cultivating on firm soil with a rotavator to prevent the tractor from being pushed forward.
- ⑤ When driving into/out of a field or going over a field bank.

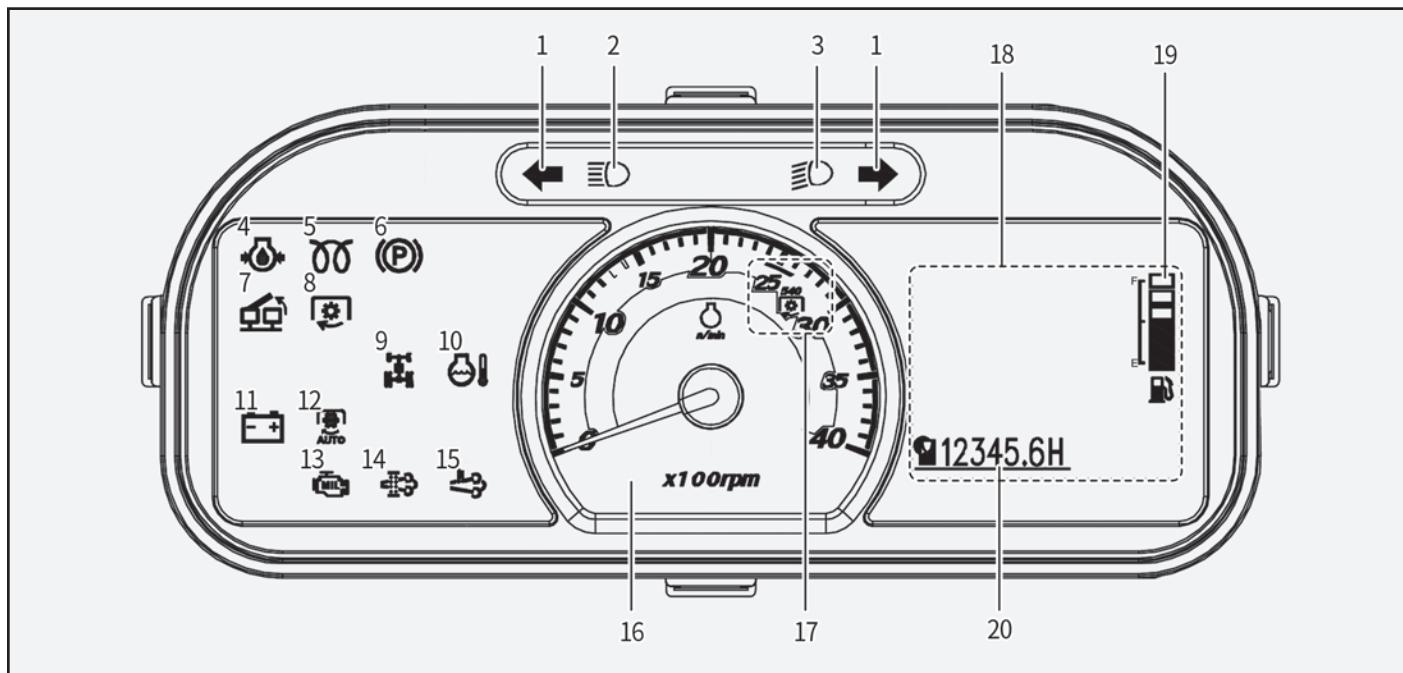
! CAUTION

- Before operating the 4WD switch, make sure to stop the tractor.
- Avoid using 4WD on public roads to reduce wear on tires.



INSTRUMENT PANEL

4

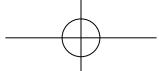


(1) Turn Signal Lamp
(2) High Beam Lamp
(3) Low Beam Lamp
(4) Engine Oil Pressure
Warning Lamp
(5) Pre-heat Lamp

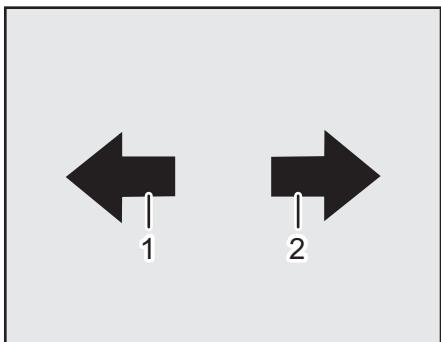
(6) Parking Brake Lamp
(7) Brake Release Lamp
(8) PTO Lamp
(9) 4WD Lamp
(10) Coolant Overheating Lamp
(11) Battery Charge

(12) Auto PTO Lamp
(13) Engine Fail Warning Lamp
(14) DPF Lamp
(15) DPF EGT Lamp
(16) Tachometer
(17) PTO Rotating Position

(18) Main Screen
(19) Fuel gauge
(20) Hour Meter



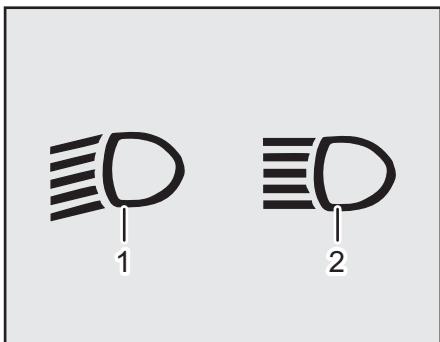
TURN SIGNAL LAMP



- (1) Left Turn Signal Lamp
- (2) Right Turn Signal Lamp

This indicates the condition when operating one of the turn signal lamps for the desired turning direction.

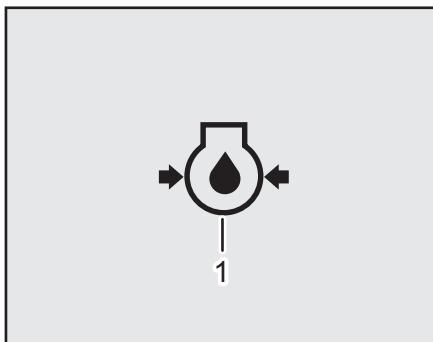
LOW/HIGH BEAM LAMP



- (1) Low Beam Lamp
- (2) High Beam Lamp

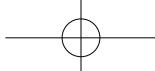
Low or high beam lamp on the instrument cluster will come on along high or low beam lamp lit.

ENGINE OIL PRESSURE WARNING LAMP

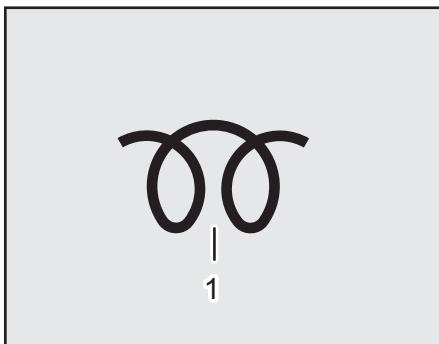


- (1) Engine Oil Pressure Warning Lamp

Lamp will come on when the Main (ignition) key switch is put into the "ON" position. It will turn off when the engine is started. If this lamp comes on while the engine is running, it indicates a problem in the engine oil system. Stop the engine immediately and check for problems.



PREHEAT LAMP

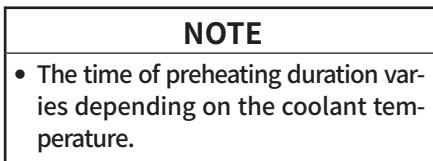


(1) Preheat Lamp

Lamp will light on/off depending on temperature of engine coolant when main (ignition) switch is turned on.

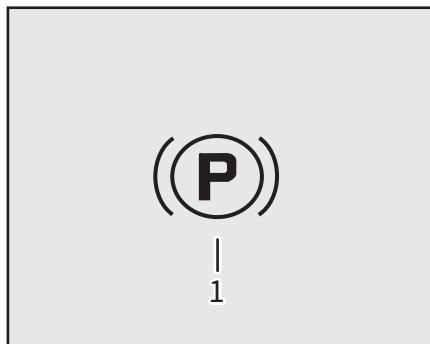
Lamp will be turned off when heater coil is heated. Start engine after this lamp is turned off.

It is difficult to start engine in winter when starting engine before warm up lamp is turned off. It also causes early discharge of battery.



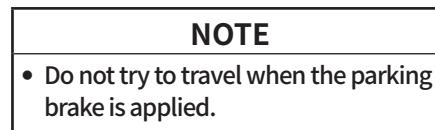
Lamp Time	Temperature	Time (sec.)
	above 14°F	less than 4
	5°F ~ 104°F	10
	less than 5°F	14

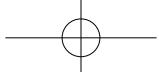
PARKING BRAKE LAMP



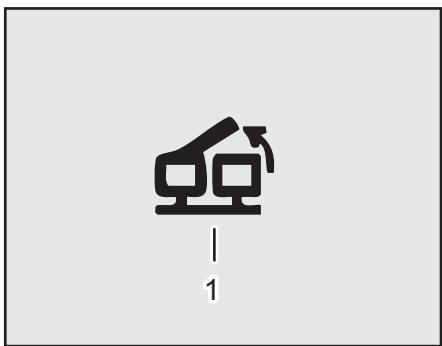
(1) Parking Brake Lamp

Lamp will light on when the parking brake is applied.





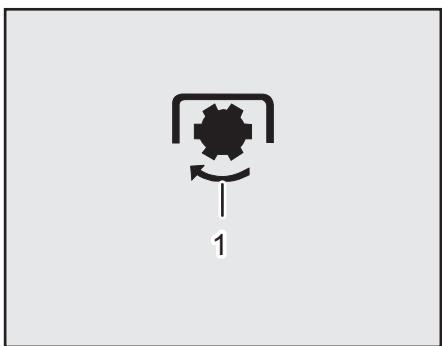
BRAKE RELEASE LAMP



(1) Brake Release Lamp

Lamp will light up when left and right brake pedals are not connected.

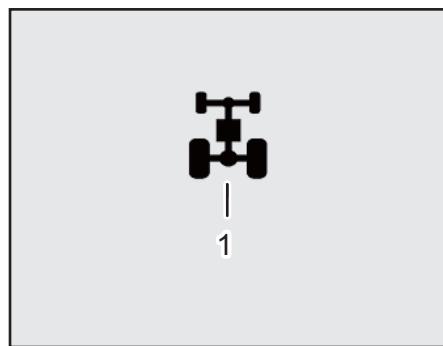
PTO LAMP



(1) PTO Lamp

PTO lamp will light up when PTO switch is turned on.

4WD LAMP

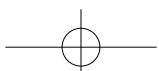


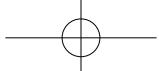
(1) 4WD Lamp

4WD lamp will light up when 4WD switch is in ON or AUTO position.



- Connect the left and right brake pedals while driving on a road, loading/unloading the vehicle or driving into/out of a field to avoid rollover and collision.





COOLANT OVERHEATING LAMP



(1) Coolant Overheating Lamp

Lamp will light on when coolant is overheated.

Stop the tractor and check followings.

- 1) Coolant level
- 2) Fan belt freeplay
- 3) Radiator clogging

BATTERY CHARGE WARNING LAMP



(1) Battery Charge Warning Lamp

The battery charge warning lamp is turned on when the ignition switch is initially turned to the "ON" position before starting the engine but turned off after starting the engine. If this lamp comes on while driving, the charging system is malfunctioning. In this case, check the fan belt or ask your local dealer for further inspection if necessary.

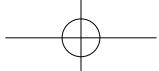
PTO AUTO LAMP



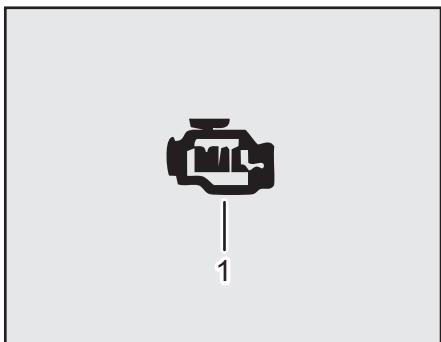
(1) PTO Auto Lamp

Lamp will light on when PTO switch is in AUTO position

4



ENGINE FAIL WARNING LAMP

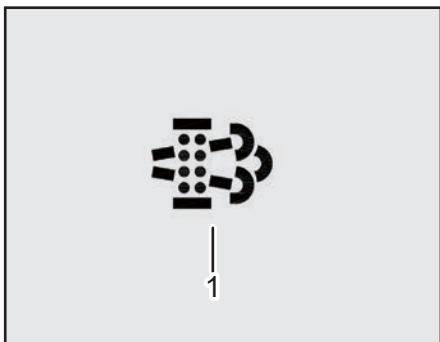


(1) Engine Fail Warning Lamp

Lamp will light on while the engine is malfunctioning.

Contact your dealer to fix it.

DPF LAMP



(1) DPF Lamp

When an amount of soot accumulated in the DPF is over the specified level, the corresponding warning lamp on the instrument panel comes on.

When the main (ignition) switch is turned to the "ON" position, this lamp comes on for one second. If DPF lamp keeps turning on, regeneration is required. If it blinks at an interval of 0.5 seconds, it indicates malfunction of the sensor. Also, if it blinks at an interval of 2 seconds, it means that the DPF cleaning schedule is overdue.

! CAUTION

- Continuing to drive with the DPF lamp illuminated, it can lead to severe damage to the DPF.

NOTE

Actions for DPF lamp illumination

1. EMERGENCY

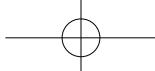
Lamp illuminated during driving:
Stop the vehicle and engine and contact your dealer for assistance.

2. CAUTION

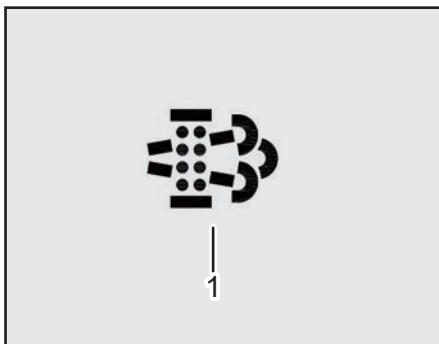
Lamp blinking at 0.5 sec. intervals:
Have your workshop check the sensor.

3. CHECK

Lamp blinking at 2 sec. intervals:
Have your workshop clean the DPF.



DPF EGT LAMP

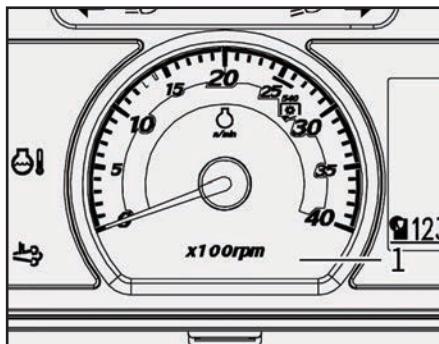


(1) DPF EGT Lamp

Lamp will light on during DPF regeneration process.

Since exhaust gas is extremely hot during the DPF regeneration process, confirm that no flammable material exists around the muffler.

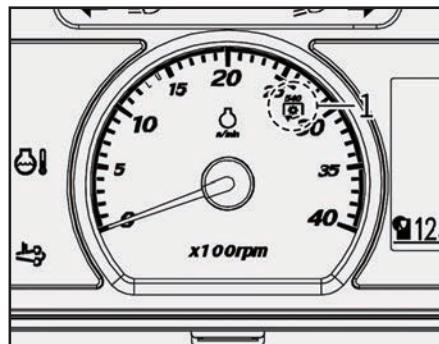
TACHOMETER



(1) Tachometer

The needle indicates the number of engine RPM. It indicates the tractor's running hours.

PTO ROTATION POSITION

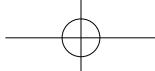


(1) PTO Rotation Position

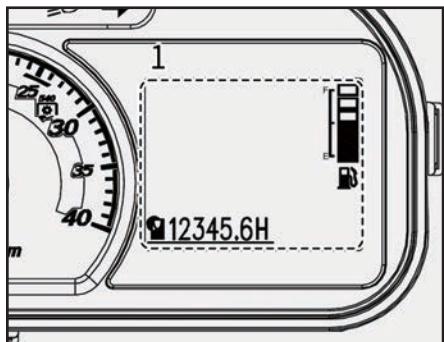
They indicate required engine RPM for specific PTO rotating positions.

- PTO 540 RPM: ENGINE 2,600 RPM

4



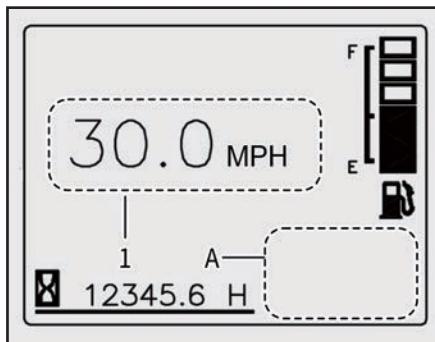
MAIN LED SCREEN



(1) Main LED Screen

Speed frequency, warning light (4), error code is displayed.

SPEEDOMETER

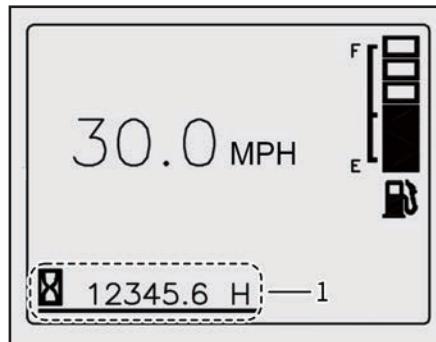


(1) Speedometer

On the main screen, when the speed frequency is entered, it switches to the vehicle speed screen. (It switches until start-up is off.)

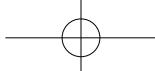
Another symbol signal comes in, then it appears at the bottom right (Section A).

ENGINE USING HOUR METER

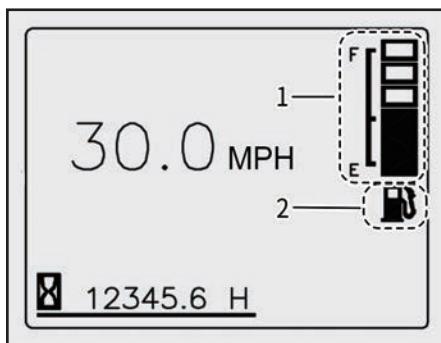


(1) Hour Meter

The hour meter indicates the total run hour of the tractor.



FUEL GAUGE



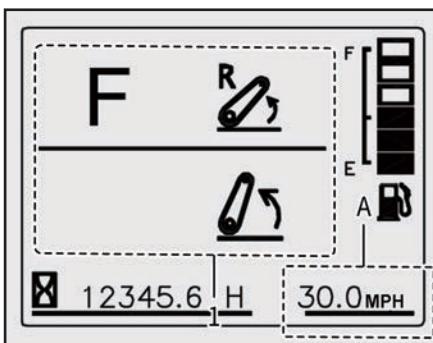
(1) Fuel Gauge

(2) Fuel Warning Lamp

This indicates the remaining fuel level. If fuel level is 1 bar or below, fuel warning lamp blinks.

Immediately fill the fuel tank if fuel warning lamp blinks.

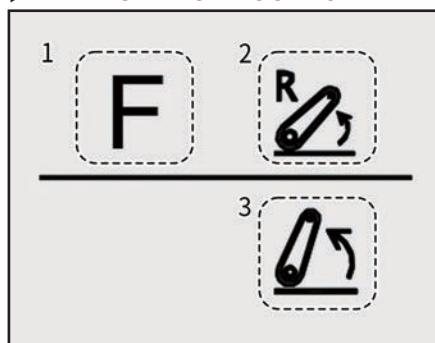
WARNING LAMP SCREEN

(1) Warning Lamp Screen
(A) Speedometer

If more than one warning lamp occurs, the screen is switched as shown above. If the speed frequency is entered at the same time, it will be displayed in section A.

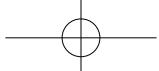
The error code screen is also switched to the same.

► LAMP SYMBOL POSITION

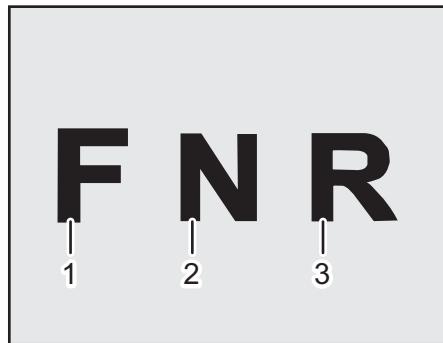


4

1. Forward/neutral/reverse is illuminated only in that position.
2. The turn up lamp/back up lamp/towing power lamp will be lit only in that location and cross-lit every 1 second for more than 2 inputs.
3. The lift sync lamp will only be lit in that location.



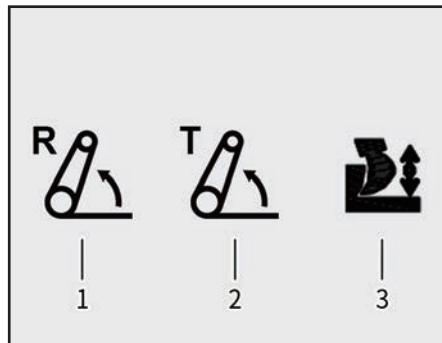
FORWARD/NEUTRAL/REVERSE LAMP



- (1) Forward Driving Lamp
- (2) Neutral Lamp
- (3) Reverse Driving Lamp

Forward / Neutral / Reverse lamp will light up when F/R shuttle lever is positioned in each: forward / neutral / reverse

BACK UP / TURN UP / TOWING POWER LAMP

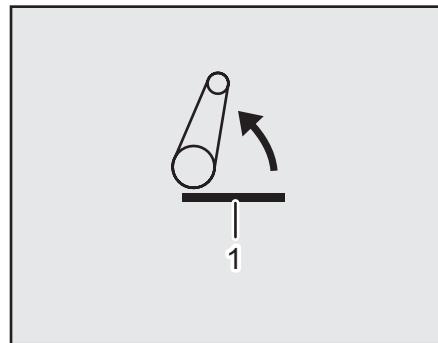


- (1) Back Up Lamp
- (2) Turn Up Lamp
- (3) Towing Power Lamp

Back up or turn up lamps will light up while turn up or back up function is activated.

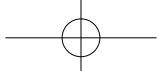
Towing power lamp will light up while draft draft control is activated.

LIFT SYNC LAMP

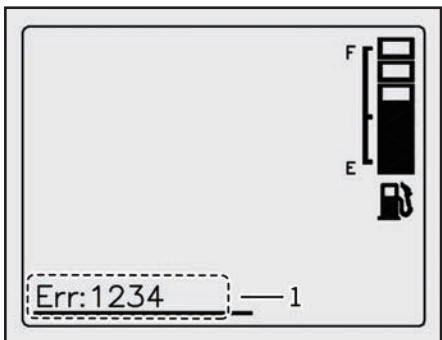


- (1) Lift Sync Lamp

Lift Sync lamp will light up when lift arm do not match a position of hitch control lever.



ERROR CODE



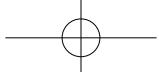
(1) Error Code

ERROR CODE LIST

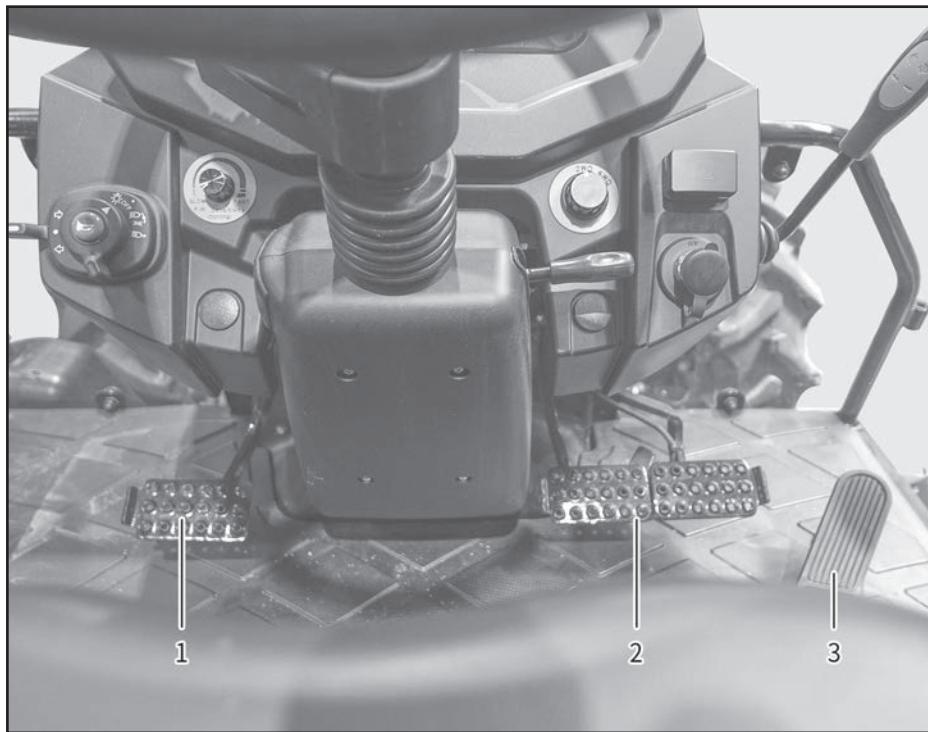
No.	Error code	Error Contens
1	1401	4WD solenoid OPEN or SHORT
2	3203	Lift sensor signal error
3	3204	Traction sensor signal error

4

Displays the relevant error code in the event of an abnormality in the vehicle.

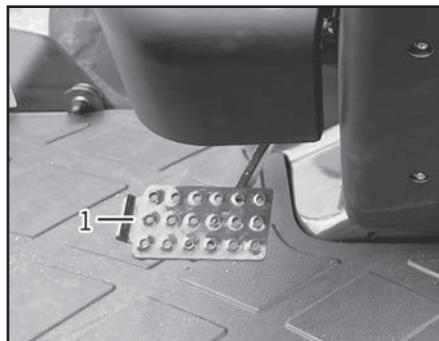


CONTROLS 1(PEDALS)



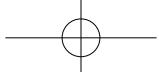
(1) Clutch Pedal
(2) Brake Pedal
(3) Accelerator Pedal

CLUTCH PEDAL

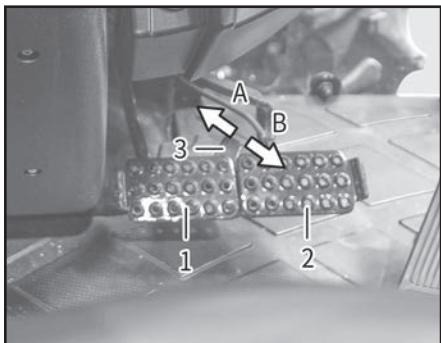


(1) Clutch Pedal

If the clutch pedal is depressed, driving power is stopped supplying. When the clutch pedal is depressed, the main/range shift lever can be operated. To start off smoothly, release the clutch pedal slowly.



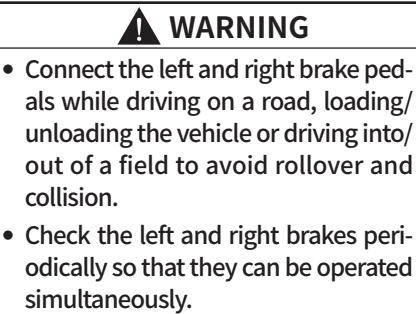
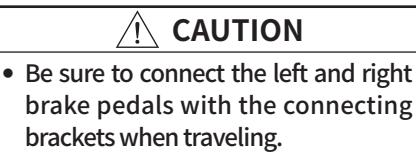
BRAKE PEDALS (LEFT/RIGHT)



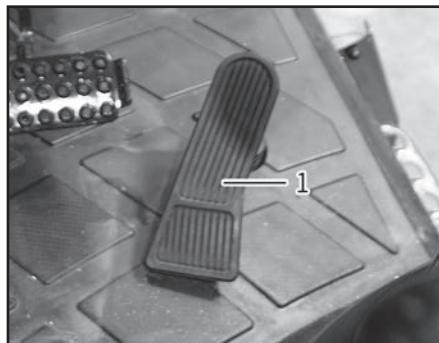
(1) Left Brake Pedal (2) Right Brake Pedal
(3) Link Bracket
(A) Release (B) Engage

Each brake pedal is activated independently. To make a sharp turn, depress one of the brake pedals on the turning direction to brake the rear wheel on the same side.

Make sure to interlock the brake pedals with the link bracket before driving on a public road.



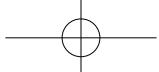
ACCELERATOR PEDAL



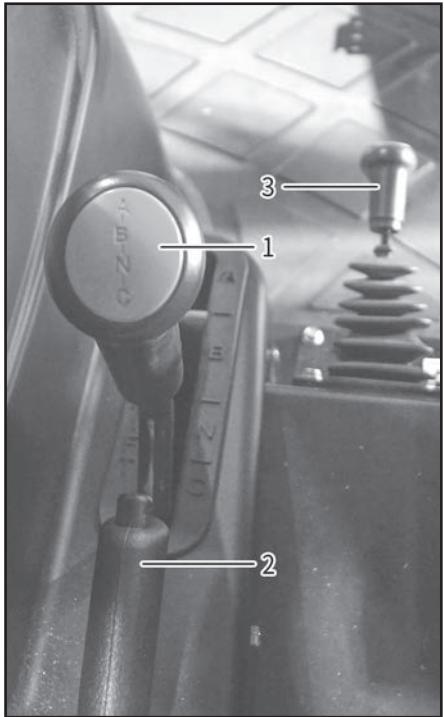
(1) Accelerator Pedal

4

It is used to make the engine run faster or slower. It is usually used when driving on a road. (Manual transmission only)

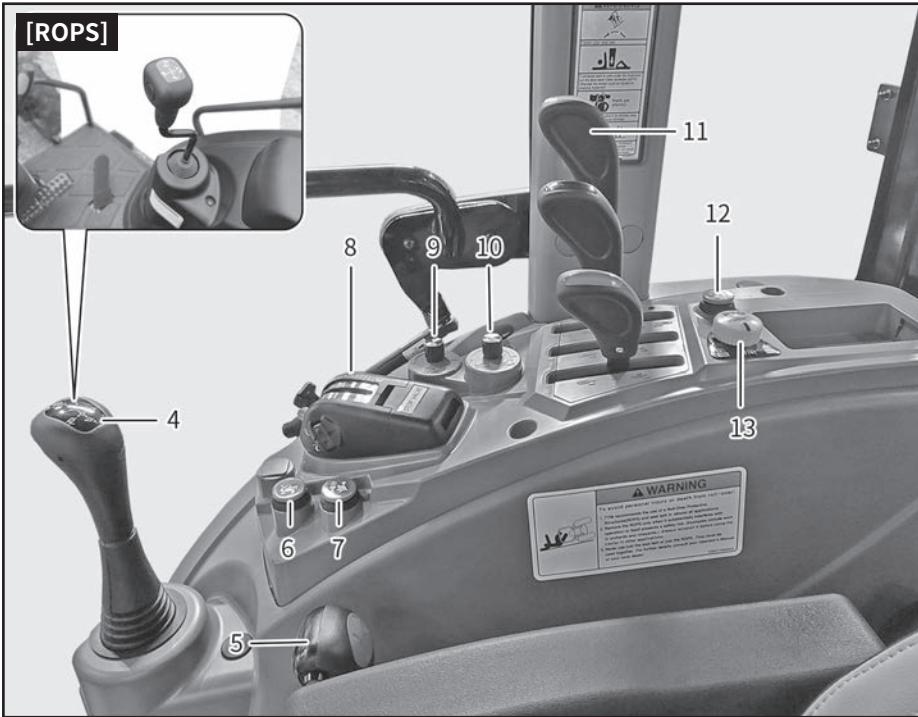


CONTROLS 2 LEVER OPERATION (LH)

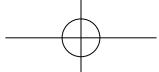


- (1) Range Shift Lever
- (2) Parking Brake Lever
- (3) PTO Shift Lever

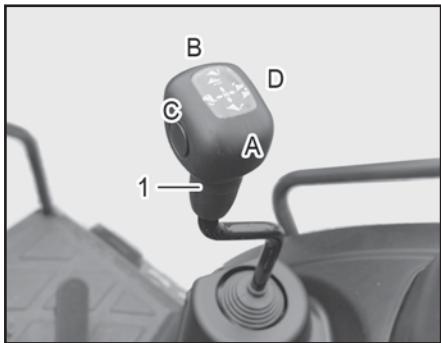
SWITCHES AND LEVERS (RH)



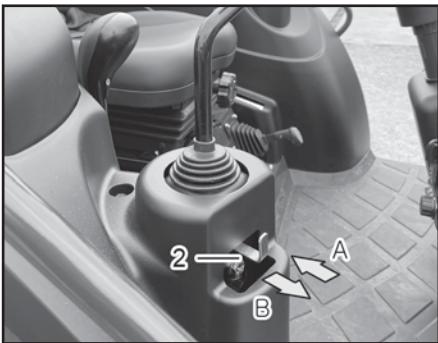
- (4) Joy-Stick Lever
- (5) Main Shift Lever
- (6) Turn Up Switch
- (7) Back Up Switch
- (8) Hitch Control Lever
- (9) PTO Stop Height Set Dial
- (10) Hitch Lift Height Set Dial
- (11) SCV Lever
- (12) DPF Regeneration Switch
- (13) PTO Operation Switch



JOY-STICK LEVER

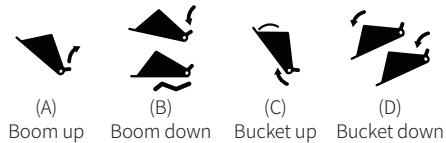


(1) Joy-Stick Lever



(2) Lock Button
(A) Lock
(B) Release

It is a device that allows control during loader operation.



There is a button to lock the operation of the joystick lever. Pulling it forwards unlocks the lever while pushing it backwards locks the lever.

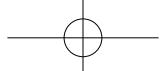
WARNING

- Make sure to set the joystick lever in the neutral position and press the lock button to lock the lever in that position when the lever is not in use. Otherwise, an implement may fall accidentally by unintended operation of the lever.

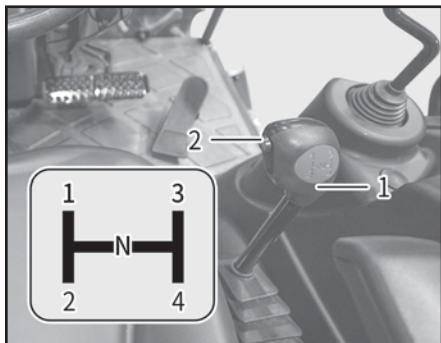
4

NOTE

- Do not operate the boom cylinder and bucket cylinder at the same time. A loader may malfunction due to insufficient oil flow.



MAIN SHIFT LEVER



(1) Main Shift Lever (2) De-clutch Button

Four speeds can be selected by moving this main shift lever in "H" shaped path.

The driving speed can be shifted from the 1st to 4th gears. The synchromesh-type gears enable shifting when the clutch pedal or the de-clutch button is pressed while driving.

► DE-CLUTCH BUTTON

This functions in the same way as the foot clutch pedal. The main shift lever can be operated when this button is pressed while driving. (Without depressing the foot clutch pedal)

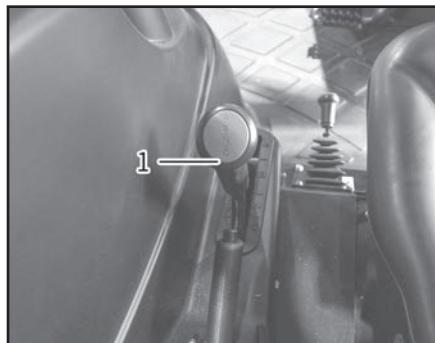
! CAUTION

- When starting the slope, be sure to use the clutch pedal to control the tractor drive and starting conditions. If you use only the De-Clutch, there is a risk of an accident.
- Use the De-Clutch only when shifting while driving.

[Otherwise]

There is a danger of injury.

RANGE SHIFT LEVER



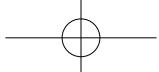
(1) Range Shift Lever

The range gear is shifted in three levels (1-2-3). The combination with the main gear provides 12 stages of gear shifting.

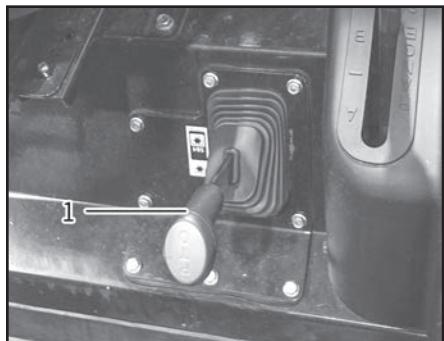
When shifting the range gear, stop tractor and depress clutch pedal fully.

NOTE

- Operate the range shift lever only after the tractor is completely stopped. Shifting the lever during driving can damage the gears.



PTO SHIFT LEVER



(1) PTO Shift Lever

The revolution of the PTO shaft can be shifted in one level.

When shifting the lever, put the PTO operation switch to "OFF" position.

PTO SPEED	
REAR	540 RPM

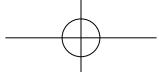
⚠ WARNING

- To avoid personal injury, confirm that no one or a foot is under the implement before operating the system.

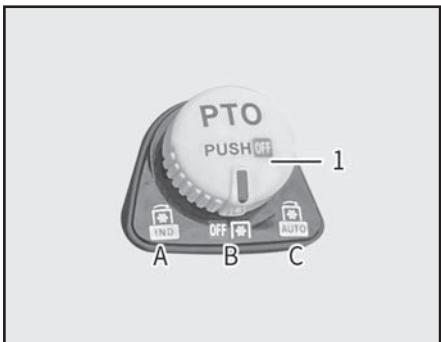
⚠ CAUTION

- Observe the PTO speed designated on the implement. Otherwise, the implement may be damaged and cause an accident.
- Operate the PTO shift lever only after setting the PTO operation switch to the OFF position.

4



PTO OPERATION SWITCH



(1) PTO Operation Switch
(A) ON(IND) (B) OFF
(C) ON(AUTO)

- [IND]

In the IND position, the PTO shaft rotates constantly regardless of the position of the rear implement or connection status of the clutch.

- **[AUTO]**
When the implement is lifted to the preset height or the clutch pedal is depressed, the PTO shaft is automatically stopped.

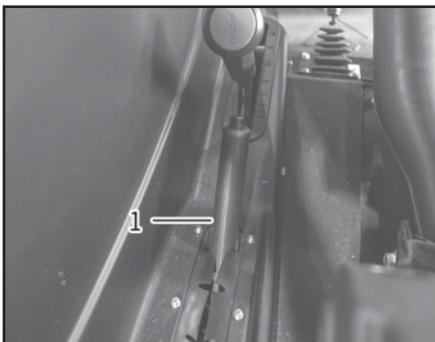
The PTO shaft rotates again as soon as the rear implement is lowered or the clutch pedal is released.

- [OFF]

PTO does not rotate. When not working, put to this position.

※ The engine does not start up, when the PTO clutch is in “IND” or “LINK”. Put to “OFF” position for starting up the engine.

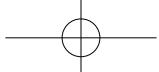
PARKING BRAKE LEVER



(1) Parking Brake Lever

To engage the parking brake, pull the lever up firmly until you feel resistance.

To release the parking brake, press the button at the tip of the lever and push the lever down.



DIFFERENTIAL LOCK PEDAL



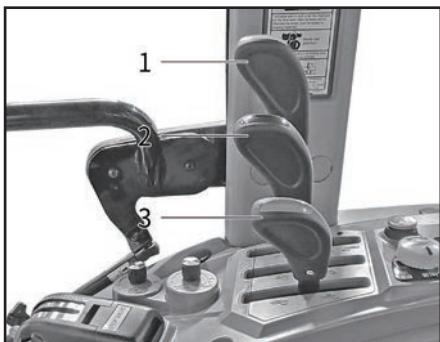
(1) Differential Lock Pedal

It is used to transmit the same power to both rear wheels and serves to prevent slipping when one of the rear wheels is idling.

WARNING

- Release the differential lock when making a turn. Otherwise, the tractor may not turn in the direction you want and cause an accident.

SCV LEVER

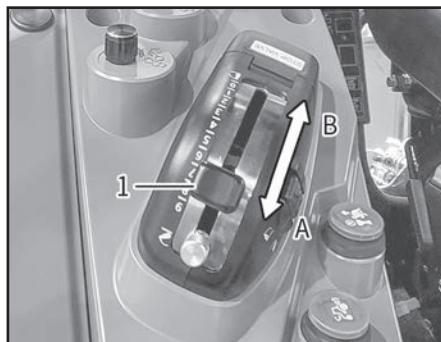


(1) SCV Lever I (2) SCV Lever II
(3) SCV Lever III

It is used to for the rear implement hyd-function.

SCV Lever 1 is a detent-type lever.

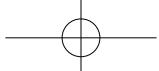
HITCH CONTROL LEVER



(1) Hitch Control Lever
(A) Lower (B) Lift

The hitch control lever can lift or lower the rear implement.

It lifts the implement when the lever is pulled back, and lowers it when the lever is pushed forward.



ONE-TOUCH SWITCH



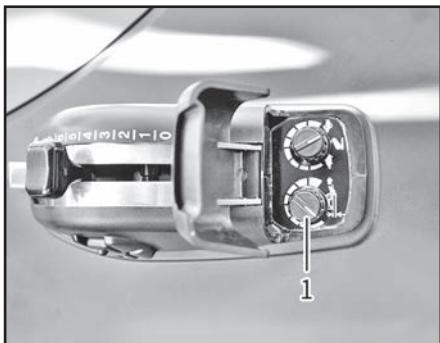
(1) One-touch Switch

One-touch lifting up/down switch can make lifting up to the point set by upper limit control dial and moving down to position of control lever.

WARNING

- To avoid personal injury, do not use one-touch switch when engaging or disengaging the implement.

DRAFT CONTROL DIAL

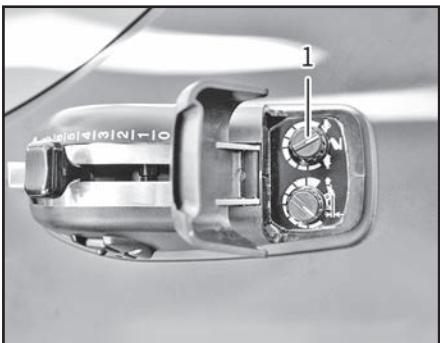


(1) Draft Control Dial

Draft control dial allows the implement to be automatically lifted up depending on the load on the rear implement.

It will operate with larger weight as dial is turned clockwise. It will operate manually when dial is completely turned counter-clockwise and towing power lamp is turned off in gauge.

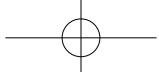
STOP/SLOW RETURN DIAL



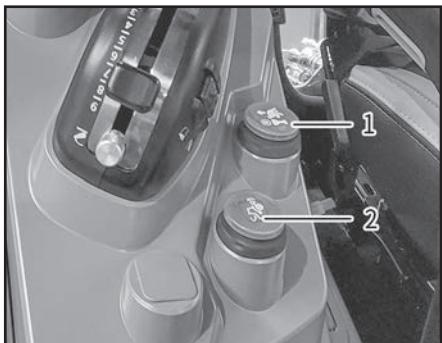
(1) Stop/Slow Return Dial

The rate at which the hitch and mounted implement will drop is controlled by turning the dial. The rate of down varies with the setting of control and the weight of the mounted implement.

The heavier the implement, the faster the rate of down. The lighter the implement, the slower the rate of down.



BACK UP/TURN UP SWITCH



(1) Back Up Switch (2) Turn Up Switch

► BACK UP SWITCH

The implement is raised automatically while traveling in the reverse direction.

Pressing the switch once turns on the lamp and activates the back up function.

Pressing it once again turns off the lamp and deactivates the function.

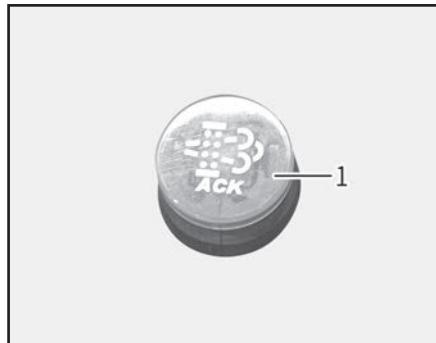
► TURN UP SWITCH

The implement is raised automatically while turning.

Pressing the switch once turns on the lamp and activates the turn up function.

Pressing it once again turns off the lamp and deactivates the function.

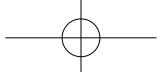
DPF REGENERATION SWITCH



(1) DPF Regeneration Switch

4

The DPF (Diesel Particulate Filter) collects soot contained in the engine exhaust and reduces exhaust smoke. The soot collected in the filter must be burned periodically to prevent the filter from clogging and to ensure that the filter can continue collecting soot. The DPF is regenerated by increasing the back pressure in the engine and raising the temperature of the exhaust.



PTO STOP HEIGHT SET DIAL

Holding the button down for more than three seconds initiates regeneration; the lamp turns off in 30 minutes when automatic regeneration is complete.



(1) PTO Stop Height Set Dial

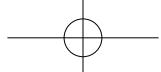
Set the height of the implement at which PTO stops in AUTO PTO mode.

HITCH LIFT HEIGHT SET DIAL



(1) Hitch Lift Height Set Dial

Set the lifted height of the implement when using the turn-up, back-up or one-touch lifting function.



OTHERS AIR CONDITIONER



- (1) Temperature
- (2) Fan Speed
- (3) Air Circulate Control
- (4) Heater Control
- (5) Cooling Function

4

1. TEMPERATURE

Red, to increase the temperature.
Blue, to decrease the temperature.

3. AIR CIRCULATE CONTROL

Used to shift the supply of outside air and recirculates the inside air.

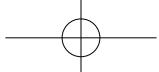
2. FAN SPEEDS

Adjust the fan speeds. The higher the rate, the more effective the heating or cooling will be.

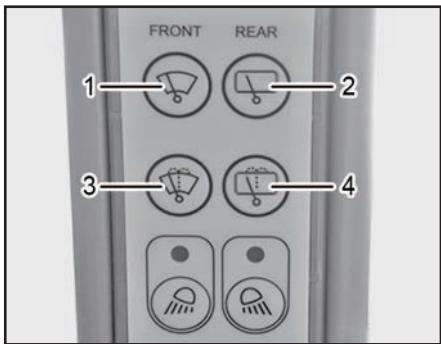
4. HEATER CONTROL

5. COOLING FUNCTION

When the cooling function is on, the air compressor is worked then reheated according to the temperature setting.

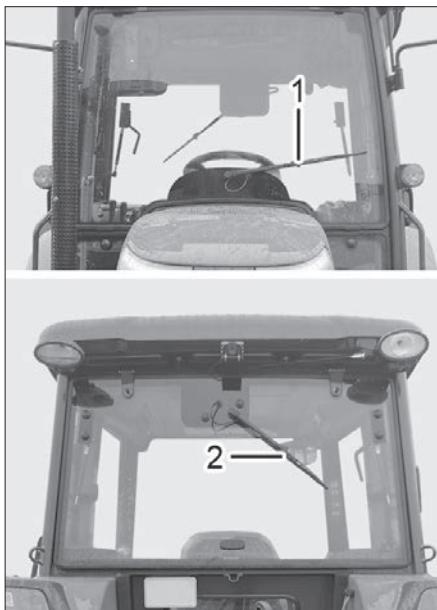


WIPER SWITCH



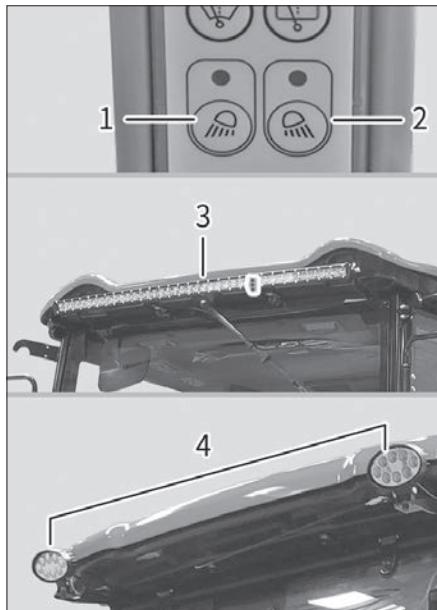
(1) Front Wiper (2) Rear Wiper
(3) Front Washer Fluid
(4) Rear Washer Fluid

WIPER SWITCH



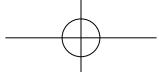
Washer fluid is sprayed on to windshield and the wipers are operated when lower button of wiper switch are pressed.

WORKING LAMP SWITCH



(1) Front Working Lamp Switch
(2) Rear Working Lamp Switch
(3) Front Working Lamp (4) Rear Working Lamp

It is used to turn on front & rear working lamps on top roof.



STEREO



(1) Stereo

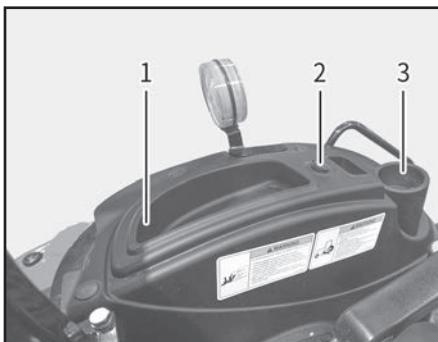
This is used to listen to MP3 or radio.

[Function]

- * MP3, WMA, Radio
- * USB, SD Card, AUX

A soft copy of the stereo manual is available upon request.

STORAGE COMPARTMENT

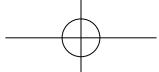


(1) Storage Compartment
(2) Cigarette Lighter Socket
(3) Cup Holder

We have created a separate storage box for drinks.

There is a separate charging port for charging the phone.

4



SEAT BELT



(1) Seat Belt

CAUTION

- Set the chair to the position of driver's post and keep your upper body upright. Fit the belt around your waist and fit the buckle until it clicks into place. To release, press the 「PRESS」 button on the buckle.

[Otherwise]

There is a risk of death or serious injury if the rollover occurs.

SEAT ADJUSTMENT

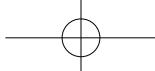


WARNING

- Do not wear the seat belt when the safety frame is folded down. With the frame folded down, it does not provide safety.
- When operating the tractor, make sure to keep the safety frame in the upright position and wear the seat belt.

► FORE AND AFT POSITIONING

Lift handle and move the seat forward or rearward. Release the handle at one of several positions.



SAFETY FRAME ROPS

► BACK CUSHION ANGLE ADJUSTMENT

Lift the handle and let the back cushion spring forward, or lean backward into the cushion. Release the handle at desired position.

► WEIGHT ADJUSTMENT

With seat in mid-position, extend the crank lever from knob and rotate minus(-) direction for less support or Plus(+) for more support. Use the lamp for approximate weight setting. Release crank lever.



⚠ WARNING

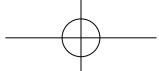
- If a rollover accident occurs without the safety frame, the frame cannot protect the driver, leading to a severe injury or even death. Never drive with the safety frame detached.

⚠ CAUTION

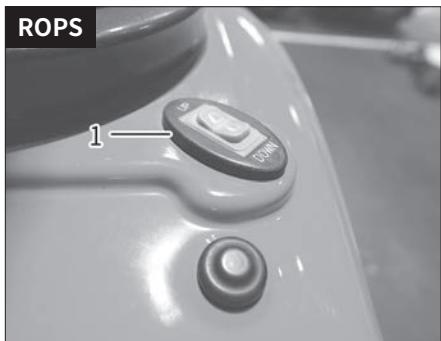
- Never attempt to adjust your seat while the tractor is moving. The seat could respond with unexpected movement, and the ensuing loss of tractor control could lead to an accident.

The safety frame is intended to reduce damage of an accident in case of a roll-over, so it cannot prevent an accident.

Always have the safety frame installed securely for driving to ensure your safety unless going under an area with a low ceiling such as a garage.



OUTSIDE SWITCH



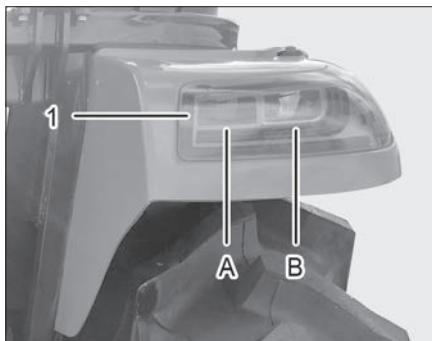
Outside hitch control switch is installed on right fender of the tractor for convenience.

Speed of lifting and lowering is limited at low speed to prevent a accident.



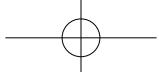
(1) Outside Hitch Control Switch

REAR COMBINATION LAMP



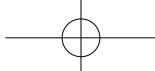
(1) Rear Combination Lamp
(A) Brake Lamp (B) Turn Signal Lamp

Rear Combination lamp is consist of brake lamp and turn signal lamp.



5. OPERATION

DAILY INSPECTION BEFORE STARTING	5-2	ATTACHMENT OF IMPLEMENT	5-17
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DPF REGENERATION.....	5-14		



5-2 Designed for your world

DAILY INSPECTION BEFORE STARTING

1. Check the engine oil level.

After wiping out the dipstick, insert it fully and then withdraw it. Oil should be between the two marks on dipstick.

Do not operate the engine if oil level is below minimum mark. If below, add the corresponding grade oil according to the season through the filler.

2. Feed grease to all greasing points indicated below every 10 hours when working in damp and muddy conditions.

- Front axle pin
- Steering shaft and Cylinder end
- Tie rod both ends
- Front axle supporter

3. After cleaning the machine with highly pressurized water, lubricate the indicated points with grease below if necessary.

- Bonnet latch
- Seat sliding rail

PRE-OPERATION CHECK PRE-OPERATION

Check the engine operation carefully.

IMPORTANT

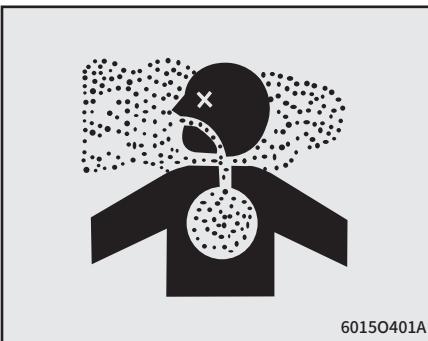
- The engine is tuned or set for normal use. In case of a new tractor, especially carry out inspection and check within first 100 hours.

- Be sure to warm up the engine. Inspect the battery charge warning lamp, oil pressure warning lamp and engine coolant temperature gauge.
- Avoid any unnecessary engine idling.
- Frequently check the engine oil, coolant, transmission fluid and front axle oil levels. Also, inspect for leakage of those fluids.

NOTE

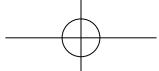
- Make sure to add the corresponding grade oil for the season. Use only genuine oil specified by TYM.

BEFORE STARTING THE ENGINE



CAUTION

- Avoid running the engine in an enclosed area. Exhaust gas can be very harmful to your health. If it is unavoidable to run the engine in an enclosed area, extend the exhaust pipe to the outside to release exhaust gas to the atmosphere.



RUNNING-IN PERIOD

IMPORTANT

- Always keep wheel bolts tightened to prevent any accident. Confirm that the wheel bolts are tight before operation. Check wheel bolt torque at least twice within the first 10 hours of operation, check it periodically at every 50 hours thereafter. Change the oil and filter after first 50 hours of operation.

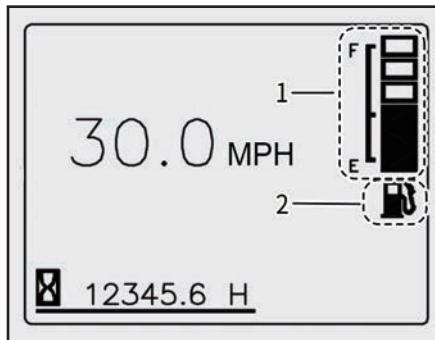
► WITHIN FIRST 10 HOURS OF OPERATION

- Inspect daily or every 10 hours
- Tighten the wheel bolts

► AFTER FIRST 50 HOURS OF OPERATION

- Tighten the wheel, disc and hub bolts
- Check the alternator and fan belt tension as well as air inlet
- Tighten the cooling system's hose and clamp
- Perform the scheduled 50 hours maintenance
- Change the transmission/hydraulic oil and oil filter element
- Change the engine oil and filter
- Change the front axle fluid

STARTING ENGINE HOW TO START

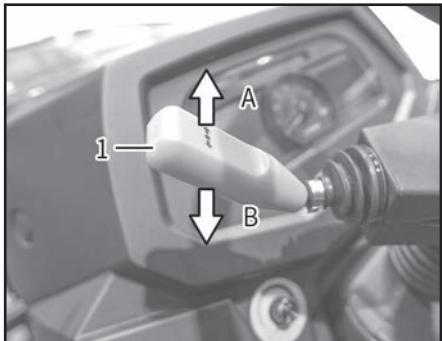
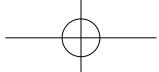


(1) Fuel Gauge

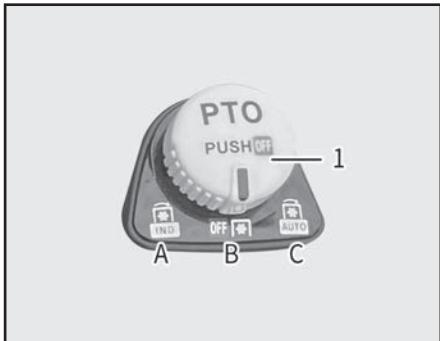
(2) Fuel Warning Lamp

5

- Check the fuel gauge. Make sure that a sufficient amount of fuel is in the tank.

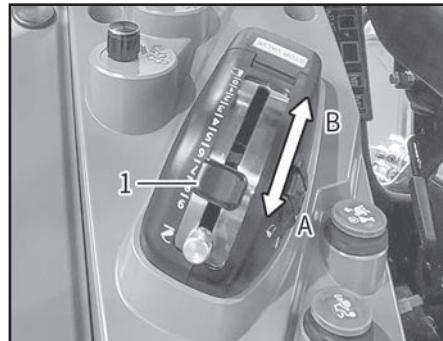


2. Set the F/R shuttle lever in the neutral position. If not, the engine won't be started.

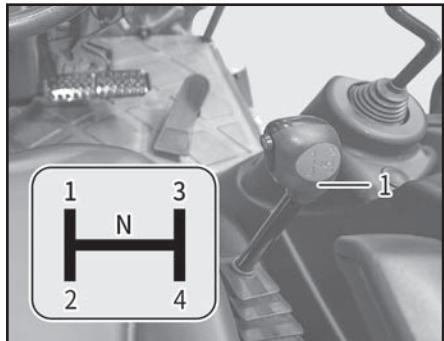
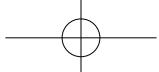


(1) PTO Operation Switch
(A) ON(IND) (B) OFF
(C) ON(AUTO)

3. Confirm that the PTO Operation Switch is set in the “OFF” position. If not, the engine won’t be started. Turn the PTO switch to OFF.

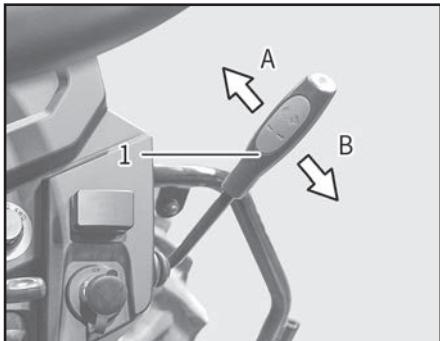


4. Check the position of the implement. Push the control lever forward to lower the implement down onto the ground.



(1) Main Shift Lever

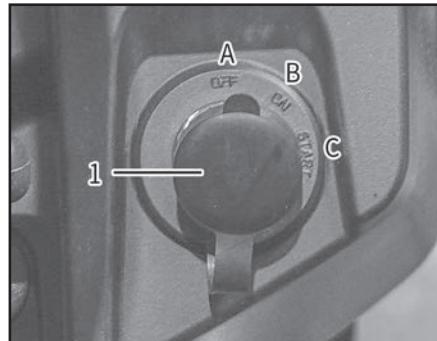
5. Put the main shift lever in the neutral position.



(1) Accelerator Lever

- 怠速 : Slower Engine RPM (A)
- 全開 : Faster Engine RPM (B)

6. Place the accelerator lever to the Minimum position.

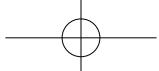


(1) Main (Ignition) Key Switch
(A) OFF
(B) ON
(C) START

7. Turn the main (ignition) key switch to the "START" position. When the engine is started, take your hand off the key.

IMPORTANT

- Do not operate the start motor more than 20 seconds at a time. If the start motor won't start, wait until the motor is cooled down at least for 2 minutes and then try again.



COLD START

CAUTION

- In case of the tractor equipped with the cold start system, do not use starting fluid.

1. When starting in cold weather, turn the main (ignition) key switch to the "ON" position and then wait until the preheat indicator is turned off.
2. For safe operation, turn the main (ignition) key switch to the "START" position with the clutch pedal depressed.
3. Repeat the above procedures until the engine is operated smoothly.
4. Let the engine idle at 1,200 rpm to warm up the engine up to the operating temperature.

STOPPING ENGINE

Make sure to reduce the engine rpm with the accelerator lever in the Low speed position before stopping the engine. Depress the clutch pedal and put all shift levers in the neutral position.

And then turn the main (ignition) key switch to the "OFF" position to stop the engine.

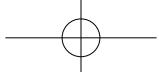
TRACTOR OPERATION WHEN ATTACHING WEIGHT



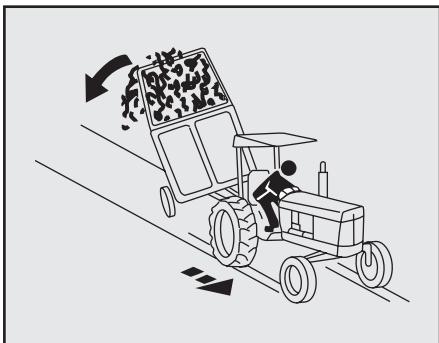
CAUTION

- Do not drive on a road under a heavily loaded condition. Otherwise, it can lead to an injury or machine damage.

1. Reduce the speed when driving on a bumpy or rough ground.
2. Attach the additional weight needed for stability and safe cornering if required.
3. Make sure that the front wheels are not risen up when transporting implements or towing a heavy load.



REDUCE SPEED WHEN TOWING LOAD



Observe the guideline for towing speed and capacity as below.

1. If the traile weight is the same or lighter than the tractor, maintain the maximum speed of 26 km/h.
2. If the traile weight is twice the tractor or less, maintain the maximum speed of 13 km/h.
3. If the traile weight is more than twice the tractor, do not tow it.
4. Be careful especially when towing a load on a bad condition of ground, slope or corner.

CAUTION

- The stopping distance becomes longer on a downhill in proportion to the speed and load weight. If the towed weight is heavier than the tractor and the braking system is not installed on the trailer, reduce the speed. Observe the guideline for towing speed and capacity.

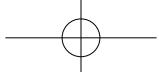
HOW TO DRIVE



5

(1) Seat Belt

(2) Seat Sliding Lever



1. Adjust the seat properly and fasten the seat belt. Adjust the seat to easily reach the pedal and the steering wheel.

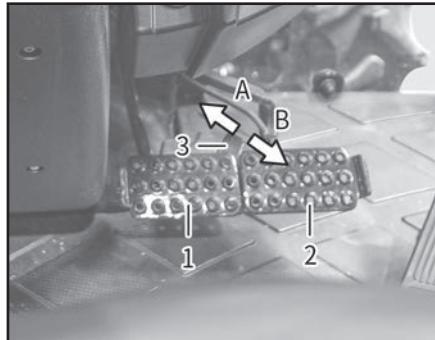
If the seat belt is worn across the abdomen or waist, not the hips, an injury can occur in case of an accident or impact.

Adjust the levers properly according to the driver's physical condition.

! CAUTION

If the tractor is out of control, it can cause a personal injury or even death. Keep the following instructions on a road:

- Interlock the both brake pedals.
- Use the accelerator pedal.
- Reduce the speed while driving on a slippery, or gravel road.
- Attach the proper weight.
- When reducing the speed, use the brake gently and carefully.

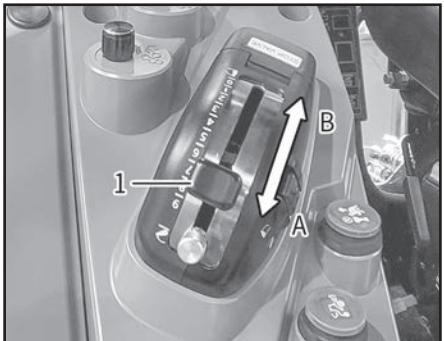
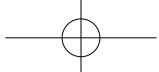


(1) Left Brake Pedal (2) Right Brake Pedal
(3) Link Bracket
(A) Release (B) Engage

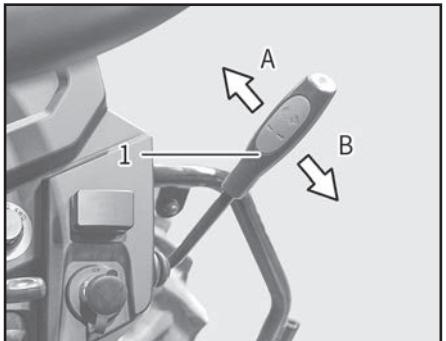
2. Check if both brake pedals are interlocked.

IMPORTANT

- Don't put a foot on the brake pedal unnecessarily during driving. Such action can reduce the brake's service life.

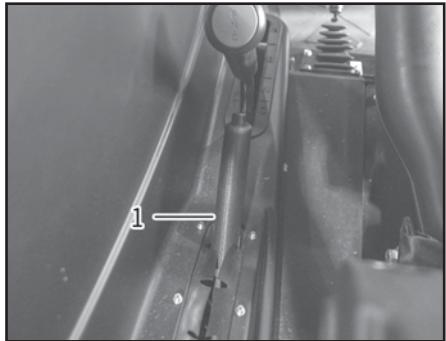


3. Lift the implement.



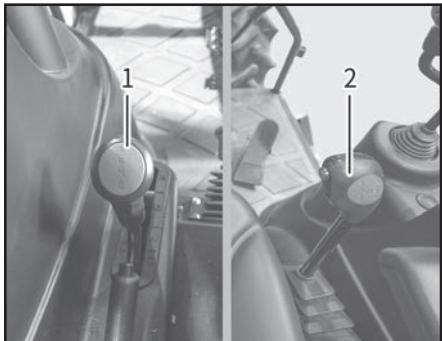
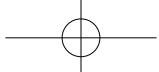
(1) Accelerator Lever
 : Slower Engine RPM (A)
 : Faster Engine RPM (B)

4. Control the accelerator lever. Increase the engine rpm from low to high speed gradually.



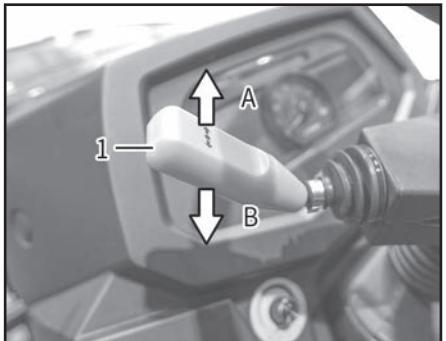
(1) Parking Brake Lever

5. Release the parking brake. Press the button on the end of the parking brake lever and push the lever forward.



(1) Range Shift Lever (2) Main Shift Lever

6. Put the main and range shift levers into the proper positions as the operator's intention.



7. Operate the F/R Shuttle Lever. This lever is used to select forward or reverse driving of the tractor. Shift the lever with the clutch pedal and brake pedal depressed to maximum.

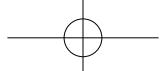
! CAUTION

- Don't put a foot on the clutch pedal unnecessarily during driving. Otherwise, the clutch is set in the slip position, resulting in premature wear of the clutch.
- Do not change the tractor speed abruptly for safe driving.
- Be careful of all directions of the tractor before driving. If not, it can cause an accident.
- When driving on a steep slope or moving to a location for loading or unloading, do not put your hand on the main shift lever. If the shift lever is half engaged, it can lead to an accident. Make sure to place the lever in the low speed position in advance.



CAUTION

- The range shift lever should be operated while the vehicle is stationary. If not, there is a risk of machinery damage.



STOPPING

1. Stop the tractor with the brake pedal.
2. Put the main shift lever to the neutral position.
3. Put the F/R shuttle lever to the neutral position.
4. Put all SCV levers to the neutral position.
5. Set the PTO operation switch in the “OFF” position.
6. Lower all implements on the ground.
7. Push the accelerator lever back slowly to decelerate the engine and keep the engine for 1 ~ 2 minutes of unloaded idling.
8. Make sure the parking brake is applied.
9. Turn the main (ignition) key switch to the “OFF” position to stop the engine.

 **CAUTION**

- When leaving the tractor, put the F/R shuttle lever into the neutral position. If not, the tractor may move even though the engine is stopped.

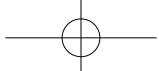
 **IMPORTANT**

- The tractor needs to be stationary before making a shift. If the parking brake is applied while the tractor is moving, the transmission can be damaged.
- Each part of the engine is cooled down by the engine oil. If the hot engine is suddenly stopped, its high temperature or insufficient lubricant can cause damage to the related parts.

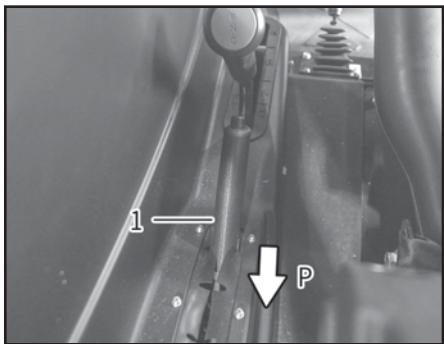
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 **CAUTION**

- Remove the ignition key before leaving the tractor to prevent its use by an unqualified person.



PARKING



(1) Parking Brake Lever

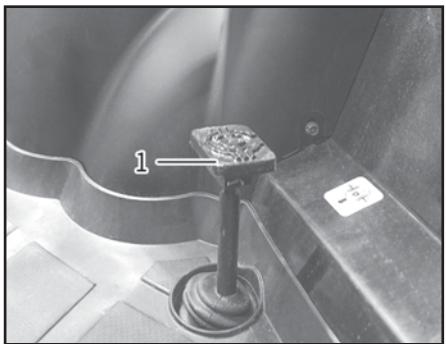
1. When parking or stopping the tractor, pull the parking brake lever securely.



CAUTION

- The brake disc can be rapidly worn if you drive with the parking brake applied. To park the vehicle, apply the parking brake and then place prop under the rear wheels.

DIFFERENTIAL LOCK



(1) Differential Lock Pedal

1. When the speed at one wheel starts to drop, depress the differential lock pedal to activate the differential lock.
2. If the wheel traction resistance on both wheels are not even, the differential lock keeps being engaged. While both wheel traction resistance is even, the differential lock is automatically disengaged. If the differential lock is not disengaged, depress one and another brake pedal separately.

3. If the tire is rotating idle repeatedly, try to engage the differential lock again.

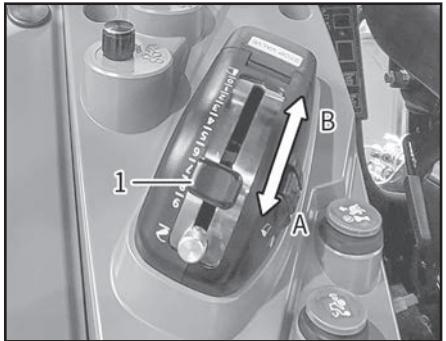
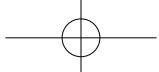
CAUTION

- Do not drive the tractor at high speed or make a turn with the differential lock engaged.



IMPORTANT

- To prevent the power train from damage, do not press the differential lock pedal when one wheel is spinning fast and the other wheel is stopped.

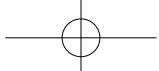


! CAUTION

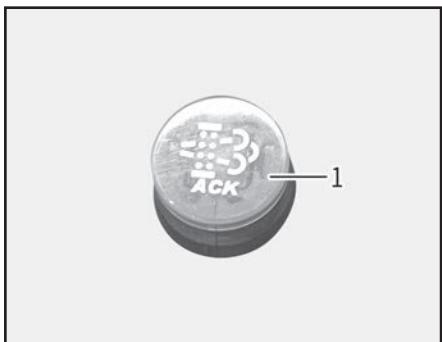
- To avoid a personal injury, use the position control lever when attaching/detaching the implement.

1. This position control lever can be used to lower and lift an implement freely.
2. Pulling the lever back lifts the implement while pushing it forward lowers the implement.

5



DPF REGENERATION



(1) DPF Regeneration Switch

1. Engine Max Rpm

Keep above max rpm with Accelerator lever. However, the following conditions must be satisfied.

- Parking on
- Gear Neutral
- Shuttle Neutral (Mechanical) & Pedal Neutral (HST)
- Cooling water temp. 60 ~100°C

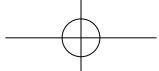
2. To press the regeneration button for more than 3 seconds.

Press and hold for more than 3 seconds to display the related regeneration lamp on the instrument Panel.

3. DPF regeneration completed after 30 minutes.

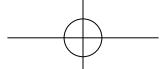
When the DPF regeneration is completed, the regeneration lamp is turned off on the instrument panel.





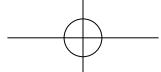
► DPF REGENERATION INDICATION

Items	Lamp Indication		Description
DPF regeneration time reached		Light on	If the DPF has more than a certain amount of soot, it informs the driver that it is time to regenerate. [Buzzer] Buzzer sounds 3 times every minute.
DPF regeneration starts			If driver press the regeneration button for more than 3 seconds in high idle, driver can enter the regeneration mode. [Buzzer] Buzzer sounds for 2 seconds at start
DPF regeneration proceeding		Light on	Controlling the exhaust valve to burn soot on the DPF. [Buzzer] Buzzer sounds once every 3 minutes
		Blinking per 0.5 sec	
DPF regeneration complete		Lamp off	Regeneration is completed after 30 minutes from the start of regeneration. [Buzzer] Buzzer sounds 3 times after 3 minutes of DPF regeneration.

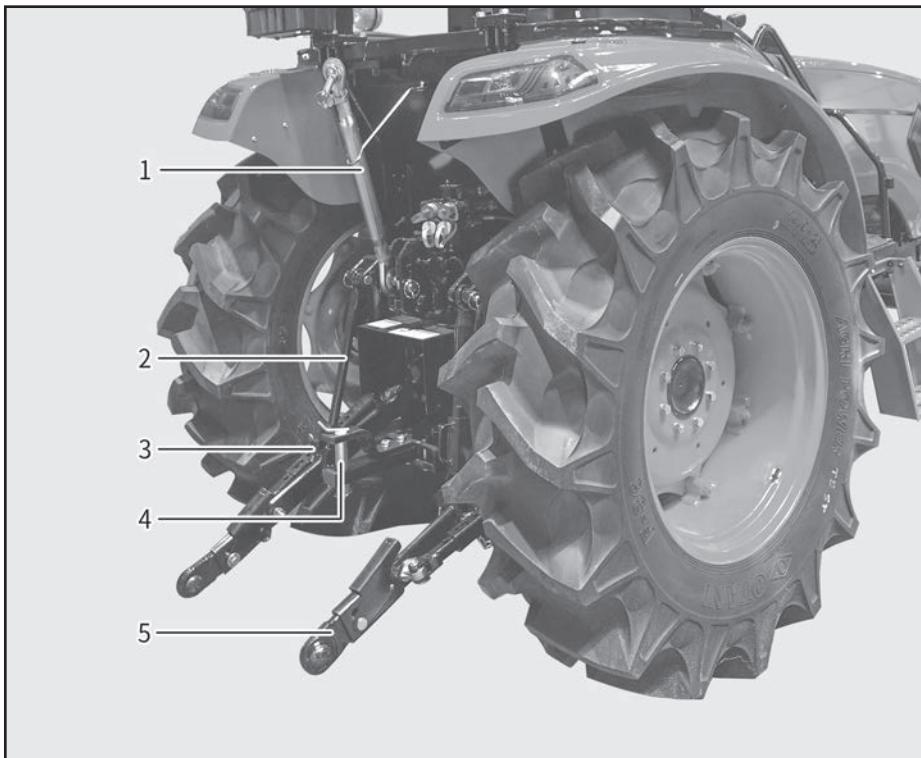


► ERROR DISPLAY DURING DPF REGENERATION

Items	Lamp Indication		Description
Engine overheating		Blinking	Activates when the cooling water temperature exceeds 105 degrees during DPF regeneration. You can not retry regeneration within 10 minutes. [Buzzer] Repeat 1Sec. Sound On→0.5 Sec. Sound Off, and if it goes below 100 degrees, Buzzer is turned off.
Regeneration fail		Blinking	By judging after the end of the regeneration period, it activates when the differential pressure does not decrease by more than 100 mbar compared with the start of regeneration even though the differential pressure is blocked at the start of regeneration.
3 times consecutive regeneration failures		Blinking	Even if the DPF regeneration has been completed after 3 consecutive regeneration tries, check the pressure difference due to soot.
Regeneration off		Blinking	If regeneration stops during regeneration operation for any of the following reasons. -Engine less than 2,600 rpm -Post DPF(EGTS2) temperature overheat -Not parking
Engine stop during regeneration		Blinking for 10 min	Blinking for 10 minutes if engine stop is detected during regeneration and the differential pressure is greater than 130 mbar at restart.
DPF error		Light on	Activates when the DPF is damaged or removed.



ATTACHMENT OF IMPLEMENT ATTACHMENT POSITION



(1) Top link
(2) Lift Rod

(3) Check Link
(4) Draw Bar

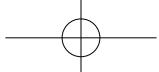
(5) Lower Link

! CAUTION

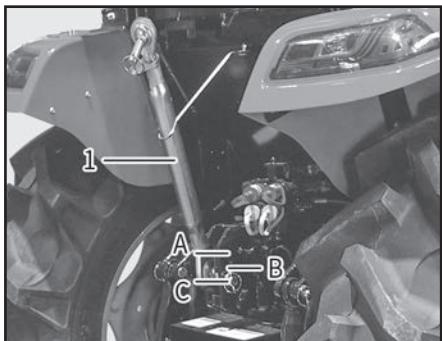
Select an implement to match the tractor horse power;

The tractor horse power should correspond with the size of an implement. If the power level of tractor is exceeded, the implement may be damaged. Also, if the implement is too big, the tractor may be damaged. Be sure of the maximum and minimum power of the tractor before attaching an implement.

5



TOP LINK ADJUSTMENT



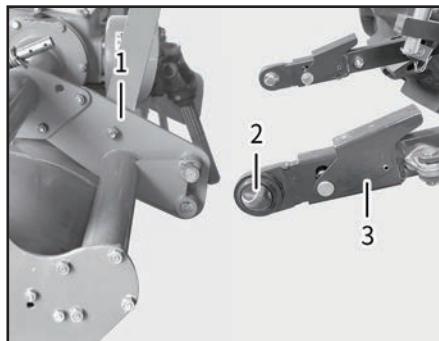
(1) Top link (A) High Traction
(B) Mid Traction (C) Low Traction

The top link can be installed to 3 selective positions according to the working condition.

A: If the top link is attached to the bottom position, the draft system will be activated with highest sensitivity which is suitable for the implement such as a plow or equivalent which requires traction force.

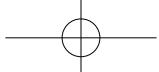
B: The center hole is the standard installation hole for a rotary tiller.

C: If the top link is attached to the top position, the draft system will not be activated. Therefore, it is good for the implement such as a drilling machine or equivalent which does not require any traction force.

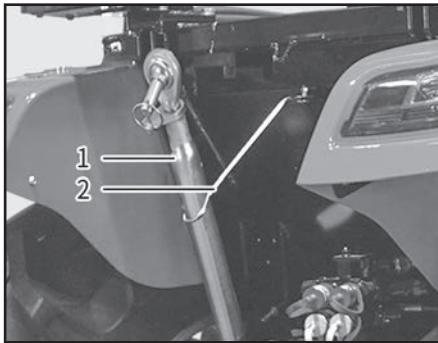


- (1) Implement
- (2) Lower Link
- (3) Ball

1. Drive the tractor backward to move close to an implement to fit the position of 3-point hitch.
2. Apply the parking brake and stop the engine.
3. Open the lock button on the lower link and position the implement; then, close and fasten the lock button.

**⚠ WARNING**

- To prevent the rocker shaft from unexpected movement, turn “OFF” the traction (draft) control before attaching the implement to the hitch.



(1) Top Link

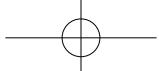
(2) Fixing Bracket

⊕ IMPORTANT

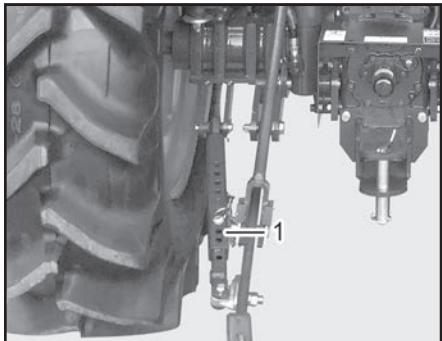
- Do not extend the top link excessively out of the limit. The top link's body or thread can be damaged.

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4. Detach the top link from the fixing bracket.
5. Attach the top link to the top mast of the implement.
6. Adjust the length of the top link and lower link if required.

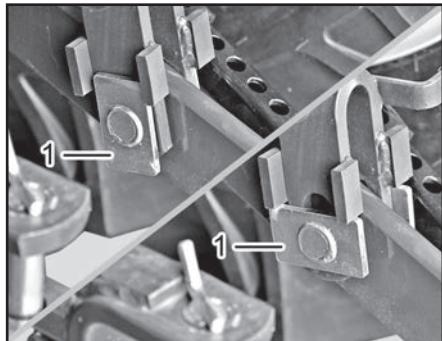


ADJUSTMENT OF CHECK LINK



(1) Check Link

ADJUSTMENT OF VERTICAL HEIGHT



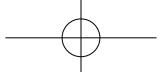
(1) Rectangular Steel Plate

1. For implements such as a plow and disc harrow, adjust the length so that it can be moved for 5 - 6 cm sideways.
2. For implements such as a rotary tiller and mower, adjust the length so that it cannot be swayed sideways.

1. To let the implement float along contour of the ground, turn the rectangular steel plate to the vertical position.
2. To secure the implement, turn the rectangular steel plate to the horizontal position.

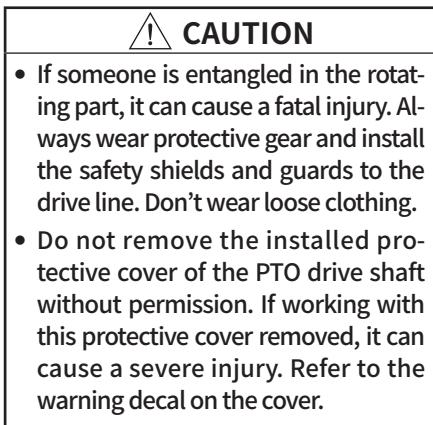
! CAUTION

- Always check if there's no interference with the implement, quick-coupler of the implement, and other attachments when attaching to the 3-point hitch to avoid fatal personal injury or machinery damage.

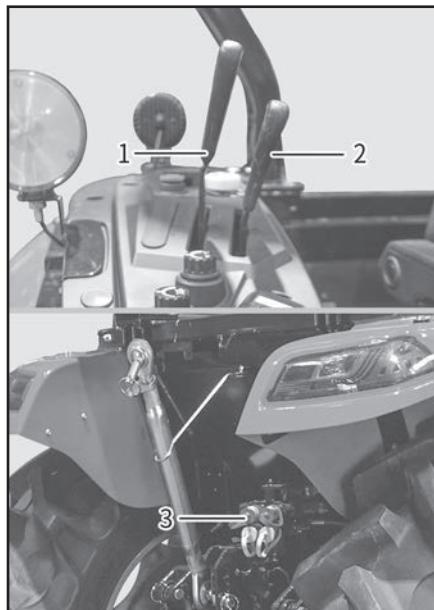


INSTALLATION OF PTO DRIVEN IMPLEMENT

1. Attach the implement to the tractor.
2. Lift the implement off the ground.
3. Stop the engine and put the PTO shift lever in the neutral position.
4. After opening the PTO cover, connect the universal joint shaft while turning the PTO shaft by hand so as to align the splines.
5. To check the PTO shaft is secured, check if the pin is returned to the original position by pulling the universal joint shaft.
6. Close the PTO cover.
7. Adjust the PTO shift lever according to the working speed.
8. Check if the safety shields are in place and working environment is normal. If the master safety shield is not installed, do not operate the PTO. Stop the engine to check the PTO shaft and its guards Repair or lubricate if required.
9. The PTO shaft should not be interfered by any surrounding parts.



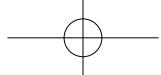
HYDRAULIC CONTROL SCV CONTROL LEVER / COUPLER



5

- (1) SCV Control Lever II
- (2) SCV Control Lever I
- (3) Coupler

The SCV control lever adjusts the flow and volume of oil from the SCV valve at the rear of the tractor. The left coupler is for expansion and the right coupler is for retraction.



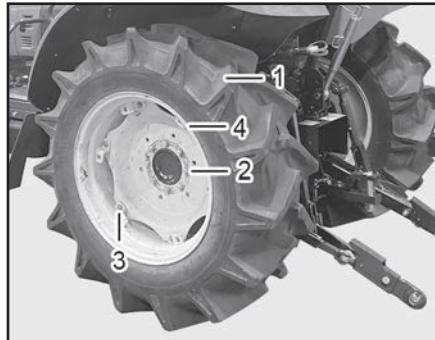
CYLINDER HOSE CONNECTION

1. Make sure to use the correct hoses for expansion and retraction. The expanding hose must be connected to the left coupler. The retracting hose must be connected to the right coupler.
2. Remove the dust cap from the end of the hose.
3. Slide the coupler cap.
4. Make sure the end of the hose and the coupler are clean. Insert the hose tip correctly into the coupler. Pull the hose once to make sure the hose is correctly inserted into the coupler.
5. When connecting an external hydraulic hose, be careful not to let foreign substances enter. Be sure to clean the connector and assemble it in a clean state.

! CAUTION

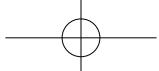
- High pressure oil leaking under pressure can penetrate the skin and cause severe wounds. Avoid danger by reducing pressure before disconnecting hydraulic or other wires. Tighten all connections before applying pressure.
- To check for leakage, use a piece of cardboard and protect your hands and feet from the pressurized fluid.
- Get medical attention immediately in case of accident. Fluids injected into the skin may rot if not removed surgically within a few hours.
- External hydraulic hoses can be damaged by physical damage, aging and explosion. Check the hoses regularly. If the hose is damaged, replace it immediately.

TIRES, WHEELS AND BALLAST TIRE TYPE



(1) Tire
(3) Rim Bolt
(2) Wheel Nut
(4) Rim

Though the tire pressure is factory set to the prescribed level, it naturally drops slowly in the course of time. Thus, check it everyday and inflate as necessary.



WHEEL AND AXLE

► TIGHTENING TORQUE

	Specification
Wheel & axle mounting bolt	167 - 206 N.m (17 - 21 kgf.m)
Wheel rim & disc mounting bolt	167 - 206 N.m (17 - 21 kgf.m)

If the wheel or axle is loosened, tighten to the specified torque.

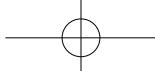
1. Drive the tractor about 100m and tighten it to the specified torque.
2. Inspect the wheel and axle every 10 hours of engine run or every 3 hours of working.
3. Inspect all wheels and axles frequently and securely tighten if necessary.

! CAUTION

- Never operate the tractor with a loose rim, wheel, hub or axle.

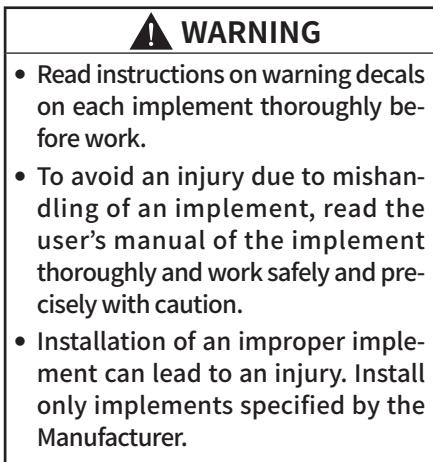
NOTE

- When operating a new tractor or when removing the wheel, follow the procedures above.



PRECAUTIONS FOR HANDLING IMPLEMENT

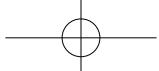
1. When driving the tractor to attach or detach an implement, make sure that there is no one in between or around the tractor and implement.
2. Install and remove the implement only on safe and level ground.
3. When installing a heavy implement, install weight on the front to keep balance.
4. When adjusting an implement, apply the parking brake, stop the engine and set the PTO operation switch in the "OFF" position in advance.
5. To tow anything, use the towing hitch only.



ROTAVATOR

► Safety precautions for rotavator

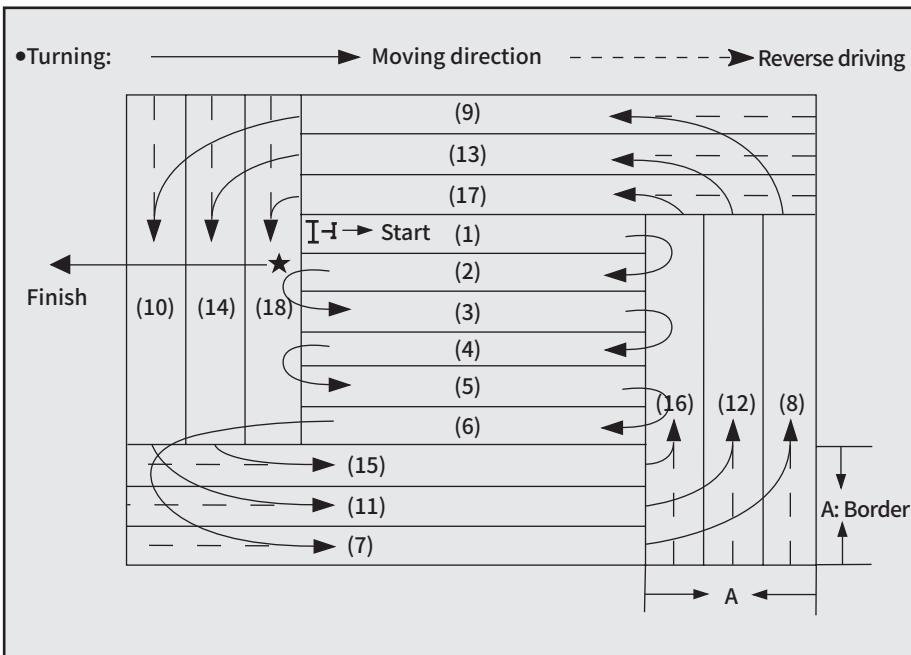
- Never remove the safety cover of the rotavator.
- Do not remove the PTO shaft cover and safety cover on the universal joint.
- When adjusting each part, disengage the PTO and stop the engine in advance.
- When driving on a road, keep the PTO disengaged. Also, keep the rotavator lowered on a road as long as it does not hit the ground.
- For the universal joint, its inner shaft and outer shaft should be overlapped at least 15 cm.
- Check that the universal joint is firmly fixed to the tractor and rotavator shaft.

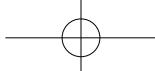


EFFECTIVE PLOWING PATTERN

►Safety precautions for rotavator

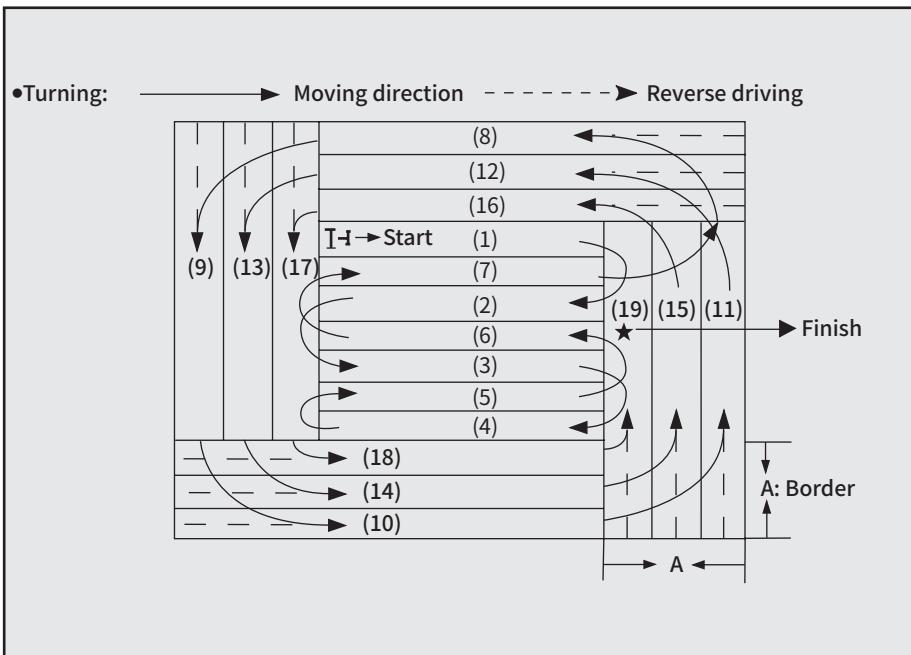
- This pattern can be useful in a well-planned field in a good condition.
- The border shown in the figure is the effective plowing width of the rotavator and should be set a little narrower than three times of one plowing width.
- The starting point is the ending point.
- Plow in a sequential pattern from (1) to (6) and in a circular pattern from (7) to (18).
- When driving forward to plow, have the bank on the right side.
- Be careful not to press already-plowed soil with the wheels.

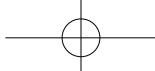




► Alternating returning plowing pattern

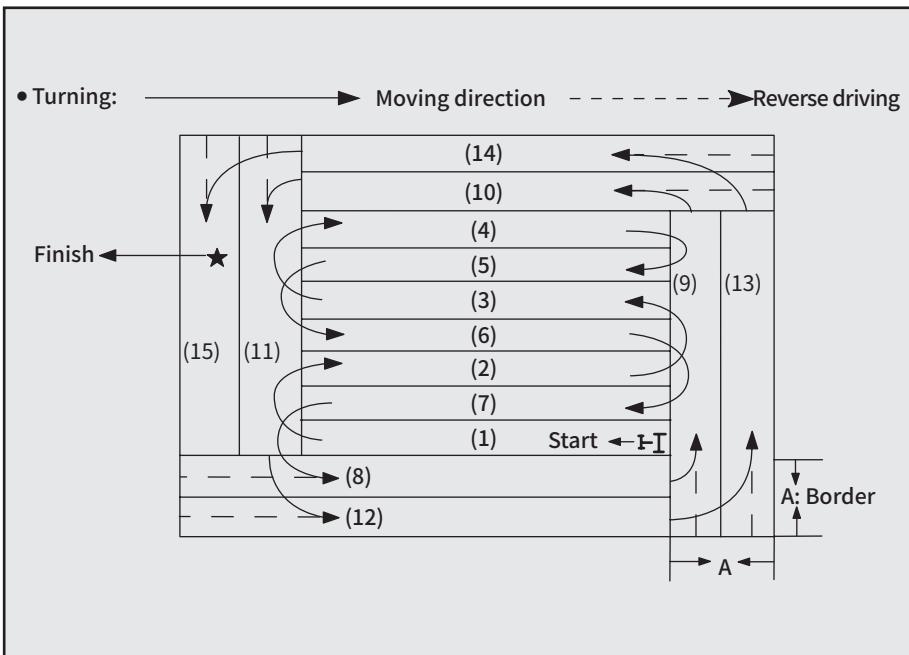
- This pattern is useful for narrow or short fields or poorly planned fields in which are not easy to turn.
- In the figure, the plowing width for (1), (2), (3) and (4) should be overlapped with the one for (5), (6) and (7) for approx. 10cm.
- For the sections (1) to (7), perform plowing in an alternating pattern. For the sections (8) to (19), plow in a circular pattern.
- Refer to the sequential returning pattern for other details.

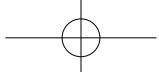




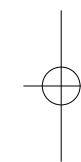
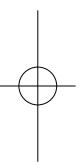
►Land leveling pattern

- The land leveling work may be performed after crushing soil or not.
- The vehicle speed can be set faster when performing the land leveling work with soil crushed already.
- When working in a wet field, fill the field with a sufficient amount of water so that the trace of plowing cannot be seen.
- The border shown in the figure should be set a little narrower than two times of one plowing width.
- Refer to the alternating returning pattern for other details.

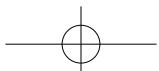


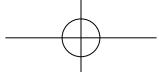


MEMO



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6. MAINTENANCE

MAINTENANCE SCHEDULE CHART 6-2 ROUTINE MAINTENANCE 6-5

FLUIDS 6-4

 FLUIDS AND CAPACITY 6-4

OPENING HOOD 6-5

CHECKING AND REPLACING ENGINE OIL 6-5

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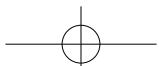
CHECKING EXHAUST GAS 6-13

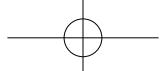
CHECKING FUSE AND FUSIBLE LINK 6-13

CHECKING AND ADJUSTING TOE-IN 6-13

CHECKING AND ADJUSTING FAN BELT 6-14

6





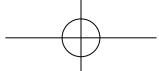
6-2 Designed for your world

MAINTENANCE SCHEDULE CHART

- ※ Check or adjust each part only when the engine is stopped.
- ※ When any hot part should be serviced, wait until it is cooled down.
- ※ Prioritize the interval of hour or year whichever comes first.

○ : Adjust · Check △ : Clean
● : Replace ★ : First time only
(Replace/Clean/Check)

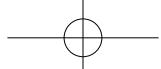
PART	ITEM	INTERVAL - HOUR												YEAR	REMARK
		EVERY 50	EVERY 100	EVERY 150	EVERY 200	EVERY 250	EVERY 300	EVERY 350	EVERY 400	EVERY 450	EVERY 500	EVERY 2,000			
ENGINE	COOLANT LEVEL	CHECK BEFORE EVERY WORK												FIRST 50 HR REPLACE	
	COOLANT														
	ENGINE OIL LEVEL	CHECK BEFORE EVERY WORK													
	ENGINE OIL & FILTER	★				●									
	FUEL FILTER										●				
	AIR CLEANER ELEMENT		△								●				
	RADIATOR & NET	CHECK BEFORE EVERY CLEAN													
	RADIATOR INSIDE	CLEAN WHEN COOLANT IS REPLACED													
	FAN BELT & AIR CONDITIONER BELT		○												
HOSS & BANDS	BATTERY		○											REPLACE WHEN IT IS NEEDED	
	FUEL HOSE & BAND										○				
	AIR CLEANER HOSE & BAND										○		●		
	INLET HOSE & BAND										○		●		
	RADIATOR HOSE & BAND										○		●		



○ : Adjust · Check △ : Clean
● : Replace ★ : First time only
(Replace/Clean/Check)

PART	ITEM	INTERVAL - HOUR												YEAR		REMARK
		EVERY 50	EVERY 100	EVERY 150	EVERY 200	EVERY 250	EVERY 300	EVERY 350	EVERY 400	EVERY 450	EVERY 500	EVERY 2,000	EVERY 1	EVERY 2		
T/M	TRANSMISSION OIL	★			●											FIRST 50 HR REPLACE
	HST OIL FILTER	★								●						
	SUCTION FILTER	★			●											
OTHERS	FRONT AXLE OIL	★			●											
	BOLTS & NUTS	CHECK BEFORE EVERY WORK														
	CLUTCH PEDAL FREE PLAY	CHECK BEFORE EVERY WORK														
	BRAKE PEDAL FREE PLAY	CHECK BEFORE EVERY WORK														
	FRONT REAR WHEEL	CHECK BEFORE EVERY WORK														
	GREASING EACH PART	○														GREASING WHEN EVERY WATERY WORK
	THROTTLE SYSTEM						○									
	ELECTRIC WIRING	○														REPLACE WHEN IT IS DAMAGED
	TOE-IN						○									GET SERVICED AT WORKSHOP

6



6-4 Designed for your world

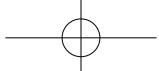
FLUIDS

FLUIDS AND CAPACITY

No.	Fluid	Capacity (ℓ)	Specification	Remarks
1	Fuel	58	Diesel fuel (KS2)	For summer: S, For winter: W
2	Engine oil	4.5	SAE 15W-40	CJ grade or higher
3	Grease	As needed	KSM2130 NO.2	Multi purpose type
4	Coolant	6 ℓ (1.58 U.S. gal)	Appropriate genuine antifreeze	NO.2 of KSM2142 or equivalent, permanent type
5	Transmission oil (Also for hydraulic steering wheel)	43	TF500	TEXCO TDHOIL, 1893 CHEVRON tractor hydraulic fluid
6	Front axle	7	SAE#90	

WARNING

- Check the oil level regularly. Correct the oil level, if needed, before operating.
- Always check and add oil with the tractor on a flat, level surface.



ROUTINE MAINTENANCE

OPENING HOOD

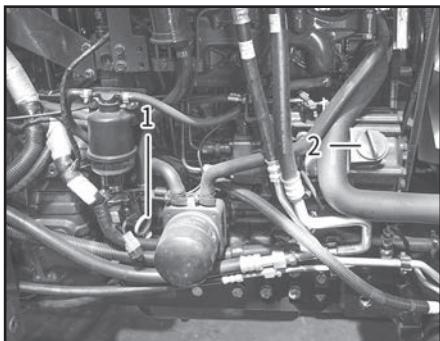


(1) Opening Lever

1. The hood can be unlocked by pulling the opening lever.
2. Slightly lift the hood with both hands and the hood is automatically lifted by the gas spring.
3. To close the hood, press its front down slightly until a “click” sound is heard.
4. After closing the hood, lift it to check that the hood is securely fixed.

CHECKING AND REPLACING ENGINE OIL

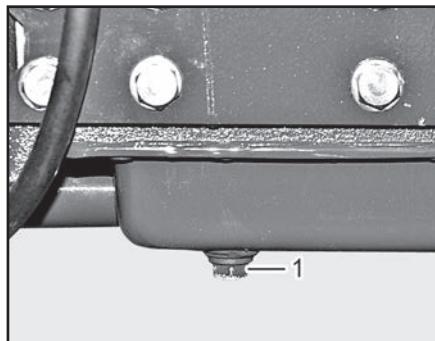
► CHECKING



(1) Oil Dipstick

(2) Oil Inlet

► REPLACING



(1) Drain Plug

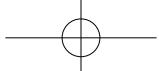
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Pull out the oil dipstick, clean it, and then insert it into its original position. Then, pull it out again and check if the oil level is within the specified range. If the oil level is too low, add new oil so that the level is within the allowable range.

To drain oil, remove the drain plug on the bottom of the engine. Fill new engine oil through the filler after installing the drain plug. Change engine oil periodically with proper engine oil according to the temperature and operating condition.

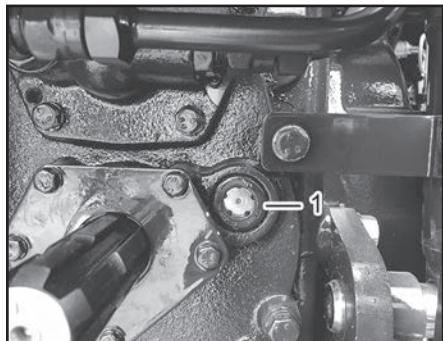
NOTE

- First 50HR engine oil has to be changed.



CHECKING AND CHANGING TRANSMISSION FLUID

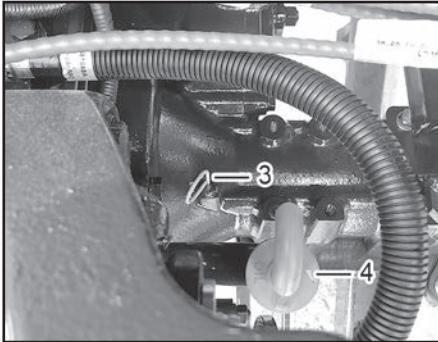
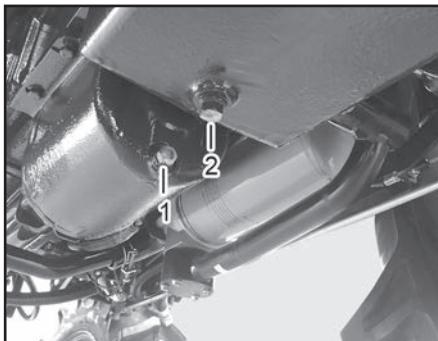
► CHECKING



(1) Oil Level Sight Gauge

Check the oil level sight gauge or remove the oil gauge from the top of the rear axle housing, clean the end of the gauge, insert it and pull it out again to inspect the oil between the upper and lower limits of the oil gauge.

If it is insufficient, insert the oil gauge up to the specified amount of oil gauge. Also investigate if there is any leakage.



(1) Drain Plug
(2) Rear Axle Case Drain Plug
(3) Oil Dipstick (4) Oil Inlet

► CHANGING

Drain transmission fluid by removing the drain plug from the transmission or rear axle case. Change transmission fluid periodically with proper one according to the temperature and operating condition.

! DANGER

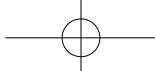
- Be sure to turn “OFF” the ignition switch to stop the engine before pulling out the oil dipstick.

! CAUTION

- Drain oil while it is warm. However, if it is excessively hot, be careful of a burn.

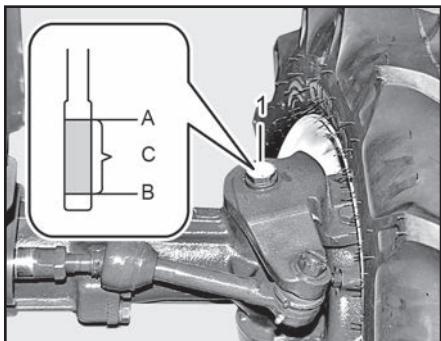
NOTE

- First 50HR transmission fluid has to be changed.



CHECKING AND CHANGING FRONT AXLE OIL

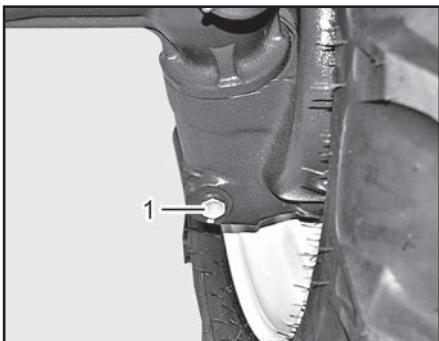
► CHECKING



(1) Oil Dipstick
(A) Upper Limit (B) Lower Limit
(C) Specified Level

Unscrew the oil filler plugs on the left sides of the front axle housing, wipe them clean, and then insert them into their original position. Then, pull them out again and check if the oil level is within the specified range. If the oil level is too low, add some new oil so that the level is within the allowable range. Also, check for leakage.

► CHANGING



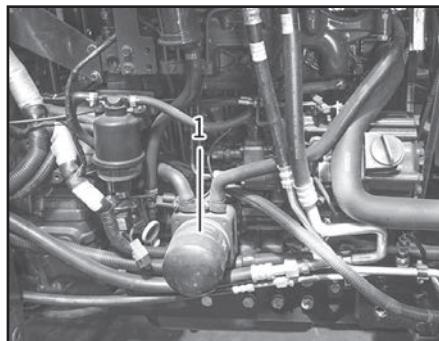
(1) Drain Plug

To drain the used oil, remove the right and left drain plugs under the front axle and drain the oil completely.

NOTE

- First 50HR front axle oil has to be changed.

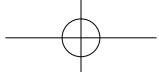
REPLACING ENGINE OIL FILTER



(1) Oil Filter Cartridge

1. After draining engine oil, remove the oil filter cartridge by turning it counterclockwise with a filter wrench.
2. Apply a thin film of oil to the rubber ring on the bottom of a new filter and securely install it.
3. After changing engine oil, start and run the engine until the hydraulic pilot lamp is turned off.

6



4. Check the engine oil level again with the oil dipstick after the hydraulic pilot lamp is turned off. If the level is low, add more oil.
5. This filter is a cartridge type. Replace it at every 250 hours of operation.

NOTE

- First 50HR engine oil filter has to be changed.

REPLACING TRANSMISSION OIL FILTER



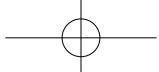
(1) Hydraulic Filter Cartridge

1. After draining transmission oil, remove the oil filter cartridge by turning it counterclockwise.
2. Apply a thin film of oil to the rubber ring on the bottom of a new filter and securely install it.
3. After changing transmission oil, run the engine to deliver oil to each part, and then stop the engine.

4. Check the transmission oil level again with the oil dipstick. If the level is low, add more oil.
5. This filter is a cartridge type. Replace it at every 300 hours of operation.

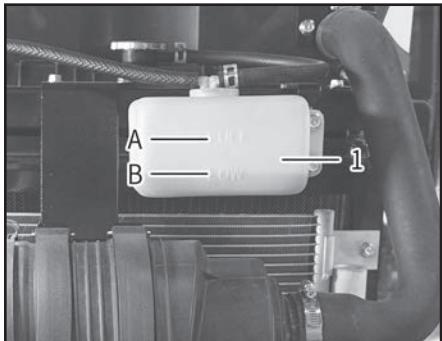
NOTE

- First 50HR transmission fluid filter has to be changed.



CHECKING AND CHANGING COOLANT

► CHECKING

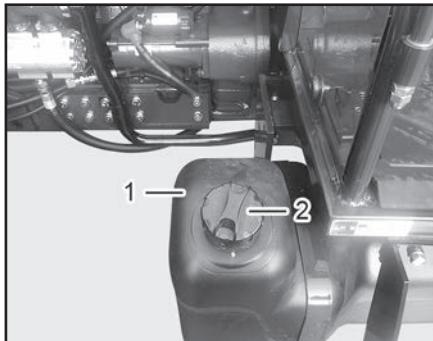


Open the hood and check if the coolant level in the reservoir tank is between the “FULL” and “LOW” marks. Add coolant through the filler if necessary.

► REPLACEMENT PROCEDURE

1. To drain coolant, open the radiator cap and drain plug and drain coolant completely from the radiator.
2. Flush the radiator until clean water is drained.
3. Add coolant up to the filler neck of the radiator.
4. Start and operate the engine for 5 minutes after filling the reservoir tank with coolant up to the “FULL” level. Stop the engine and check if the coolant level is between the “FULL” and “LOW” marks. If not, add some coolant as needed.

CHECKING AND ADDING FUEL



(1) Fuel Cap (2) Fuel Tank

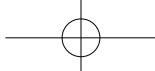
Turn the main (ignition) key switch to the “ON” position. If the fuel gauge needle is pointing the red area, open the fuel cap, and then fill the fuel tank full through the oil filler. And check if there is leakage.

6

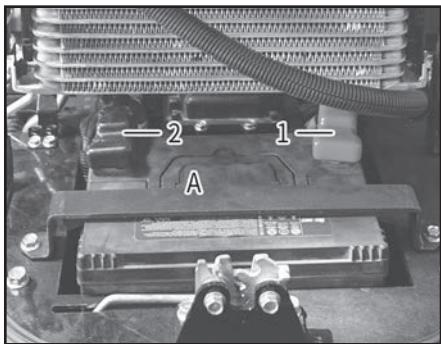


DANGER

- Never smoke or use a lighter while refueling the tractor.
- After refueling, securely close the fuel cap and wipe off any spilled fuel.



CHECKING BATTERY



(1) Thick Red Wire (+) (2) Ground Cable (-)
(A) Sight Glass

Check if the electrolyte level is within the specified range and add distilled water up to the upper limit if necessary.

CAUTION

- To connect the battery, connect its positive (+) cable first. To disconnect the battery, disconnect its negative (-) cable first.
- If the amount of electrolyte is excessive in each cell during charging the battery, the metal part of the tractor can be corroded due to the spilled electrolyte.
- Avoid boost charging as possible.
- Charge the battery after removing it from the tractor.
- When replacing the battery, use the TYM genuine battery.

DANGER

- Do not expose the battery to flames or sparks.

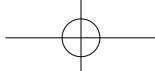
If this instruction is ignored, you can get burnt by battery explosion.

CHECKING HOSES AND PIPES

Check the fuel hose, hydraulic steering wheel hose (pipe), radiator hose, etc. for damage or leakage. Check if there is any loose bolt. Replace the hoses and pipes every 2 years even if not damaged.

DANGER

- Make sure that fuel does not leak through the damaged fuel hose.



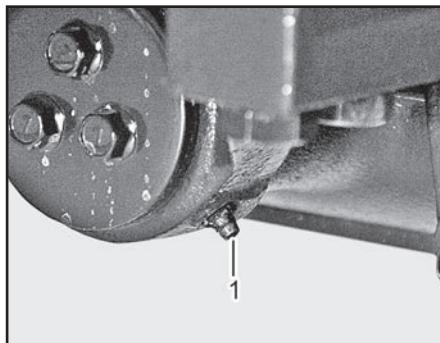
CHECKING ELECTRIC WIRING

Open the hood and check if any cable is in contact with other parts, or if any insulation is peeled off or damaged, or if any contact is loose. Damaged cables must be repaired by an authorized dealer. Arrange for periodic maintenance for cables every 50 hours or once a year even though the cables are not damaged.

DANGER

- Before starting to work every day, check if any cable is in contact with other parts, or if any insulation is peeled off or damaged, or any contact is loosened.
- Before and after work, remove any straw or dust on the battery or cables.

GREASING



(1) Nipple

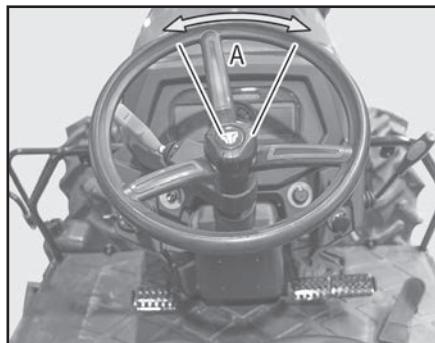
Apply grease every 50 hours. Check the relevant parts (9 points) before starting work everyday and add grease as necessary.

►Greasing points

- Axle bracket (front & rear)
- Axle tie rod end (LH/RH)
- Brake and clutch pedals
- Lift rod (upper/lower)

After working in wet conditions, make sure to apply grease to the tractor.

CHECKING AND ADJUSTING STEERING WHEEL



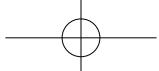
(A) Free Play Of Steering Wheel

6

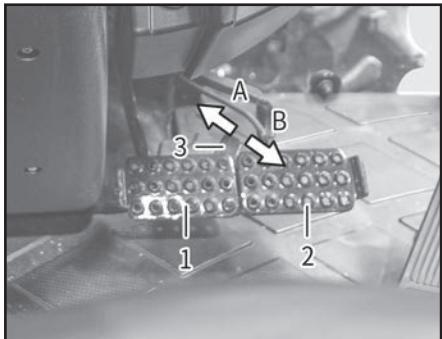
When the steering wheel is turned to the left and right lightly, there should be free play for 0.8 - 2.0 in. (20 - 50 mm). If the extent of the free play exceeds this range, the steering wheel may feel heavy or the tractor may not move straight. If the free play is not normal, have it fixed at your nearest authorized dealer.

WARNING

- Check if the steering wheel vibrates severely or has no free play.



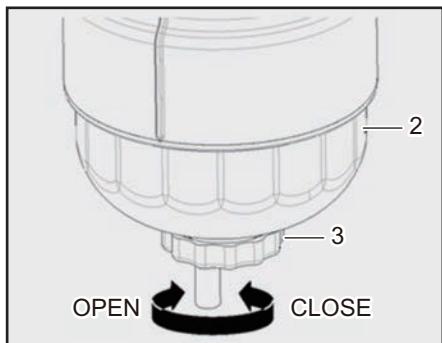
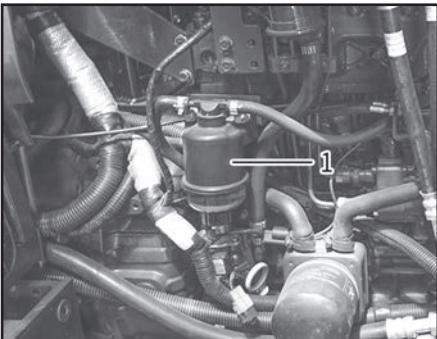
CHECKING AND ADJUSTING BRAKE



(1) Left Brake Pedal (2) Right Brake Pedal
(3) Link Bracket
(A) Release (B) Engage

The free play of the brake pedal is 5 - 10 mm. Adjust both brake pedals at the same time.

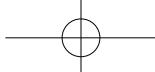
CLEANING FUEL FILTER SEPARATOR



(1) Fuel Filter (2) Filter Head
(3) Drain Plug

If moisture is found in the filter head(2), remove the foreign matter as follows.

- (1) Turn off the starter to prevent air from entering the fuel system.
- (2) Prepare a container to receive the water separator.
- (3) Loosen the drain plug(3) at the bottom of the filter head counterclockwise and let the water drain.
- (4) After the proper amount of fuel has been drained, manually lock the drain valve in the clockwise direction.
- (5) Do not use tools etc. at this time.



CHECKING EXHAUST GAS

Exhaust gas may be a little black at the time of starting the engine, but normally it is colorless.

- Black: Incomplete combustion due to too much fuel intake
- White: Burning of engine oil

If the temperature is low, water vapor may look white.

If the color of the exhaust gas remains black or white during operation, have the tractor inspected at your nearest authorized dealer.

CHECKING FUSE AND FUSIBLE LINK



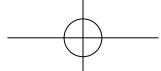
(1) Fuse Box

CAUTION

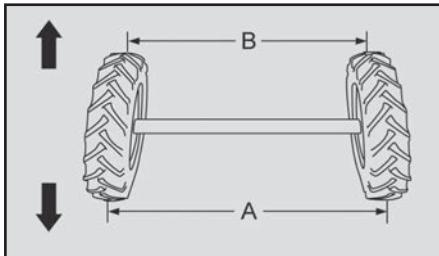
- When replacing the fuse, use only the one of the specified capacity.

When replacing the fuse, use only the one with the specified capacity. Open the fuse box cover and check the fuses. Replace any blown fuses with new ones of required capacity. Stop the engine and check the main fuses (Fusible link).

If it is blown again, have the tractor inspected at the authorized dealer.



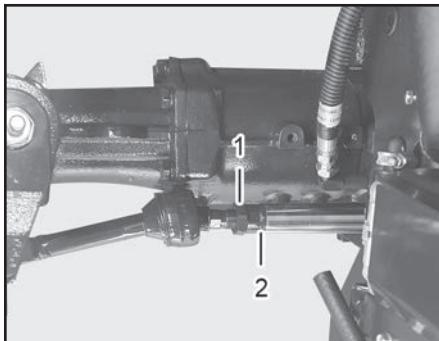
CHECKING AND ADJUSTING TOE-IN



Measure the distance A and the distance B of the front wheels and see if the front one is narrower than rear one by 0.2 - 0.3 in. (4 - 8 mm).

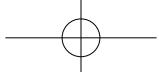
If not, loosen the mounting nuts at the end of the cylinder rod on both sides and adjust the length of the screws.

Tighten the nuts when the toe-in is 0.2 - 0.3 in. (4 - 8 mm). Be sure of both lengths of the left and right tie rod ends are the same.

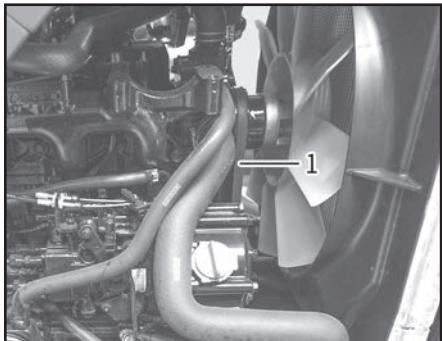


(1) Mounting Nut (2) Cylinder Rod

If the toe-in is not properly aligned, the steering wheel may be uncontrollable or the tractor may produce an abnormal vibration.



CHECKING AND ADJUSTING FAN BELT



(1) Fan Belt

! CAUTION

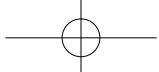
- Carry out inspection or maintenance after the engine is fully cooled down. If this instruction is ignored, you may get burnt.

Loosen the generator mounting bolts and move the generator to adjust the tension of the fan belt.

If the fan belt still slips after the generator is moved to the maximum, replace the belt with a new one.

New belts must be inspected after 50 hours of running.

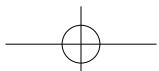
6

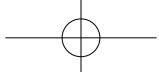


MEMO



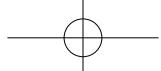
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7. TELEMATICS

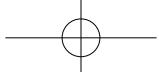
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HOW TO IDENTIFY SPECIFIC MACHINE MODEL.....	7-4	HOME SCREEN.....	7-16
PRECAUTIONS FOR TBOX	7-4	USE OTHER MACHINE	7-17
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7. TELEMATICS

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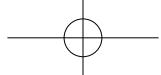
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7. TELEMATICS

APPENDIX 7-51

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7-4 Designed for your world

INTRODUCTION

HOW TO IDENTIFY SPECIFIC MACHINE MODEL

Specific machine model name is carved on the product nameplate.



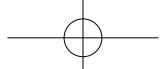
PRECAUTIONS FOR TBOX

TBOX is a telecommunication device installed inside of the machine.

Do not attempt to repair or alter the device yourself. Doing so will void your warranty and may damage the hardware.

Be sure that TBOX is operated on proper temperature and voltage described below. Otherwise it can cause unexpected abnormal operation.- Voltage: DC 6 ~ 18V- Temperature: -30 ~ 75°C

In case of re-plugging, make sure that the correct side of the cable should be plugged in the connectors.



MACHINE CLASSIFICATION TABLE

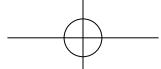
Depending on the machine, displayed items or supported functions may differ.
Please check the model name and type of your machine on the classification table below.

Type	Machine model
A	T115, T130
B	T4058P

※ Some models may not support telematics service.

Available machine status items by machine type				
12.1V	84%	OFF	ON	NEU
Battery voltage	Fuel level	Coolant temperature	Parking brake	Shuttle direction
All	All	All	All	All
OFF	126h	OFF	65%	NORMAL
PTO	Engine hours	Transmission oil temp.	Urea level	Air cleaner
All	All	A	A	A

Function name	Machine types with the function applied
Remote engine start / stop	A
Auto engine stop	A



7-6 Designed for your world

REMOTE ENGINE ON/OFF CONDITIONS

Remote engine ON/OFF function works only when all conditions below are satisfied.

Remote engine start conditions					
Parking brake on	Hood closed	Door closed	Not seated	Shuttle lever neutral	PTO off
A	A	A	A	A	A

OPERATION MODE CONDITIONS

Remote engine OFF function works only after the engine is started remotely.

However, it won't work if the machine is on operation mode.

If any of the following actions is detected, the machine will be on operation mode.

Operation mode conversion conditions		
Clutch control	Seated	Shuttle control
A	A	B

AUTO ENGINE STOP CONDITIONS

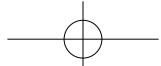
If any of the following actions is detected while the machine is not on operation mode, the engine will stop automatically.

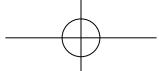
Auto engine stop condition		
Parking brake off	PTO on	Hood open
A	A	A



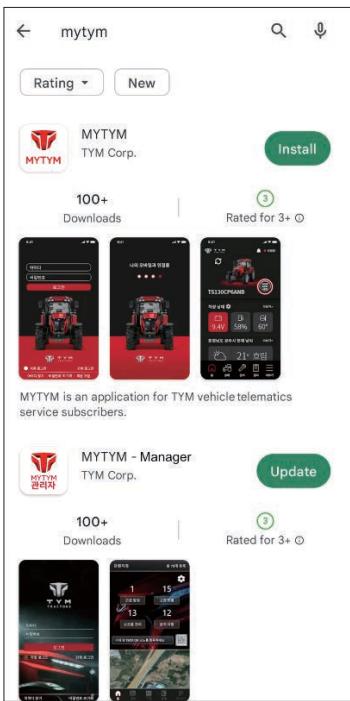
중요

- Each condition may vary by the machine type, please check the table above.

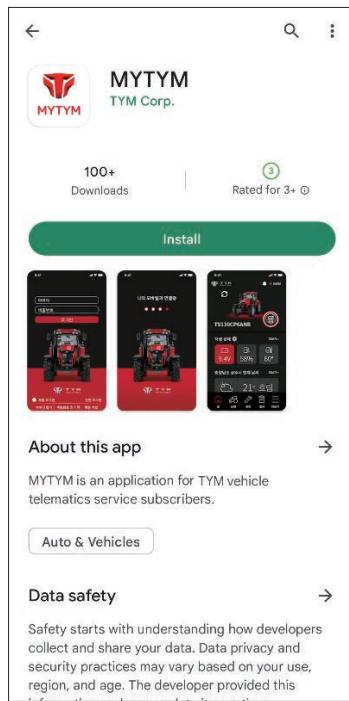




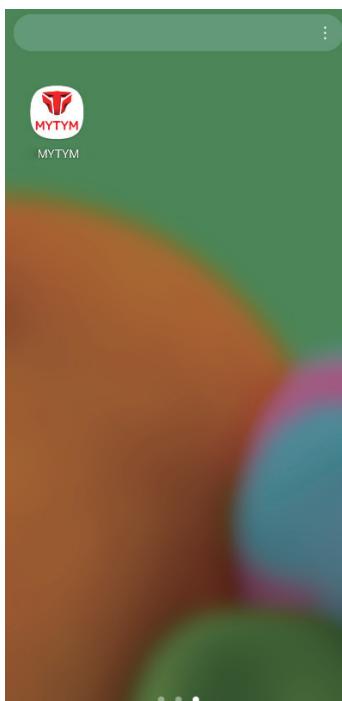
SIGN UP & LOGIN THE APP INSTALLATION



Use the keyword of 'MYTYM' to search the app 'MYTYM' on Google Play or App Store.

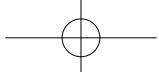


LAUNCH THE APP

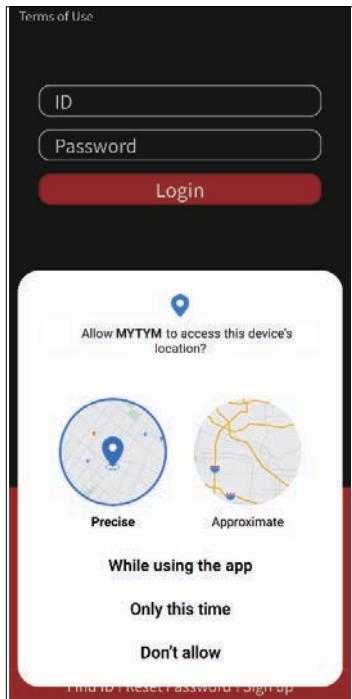


7

After installation, launch the app by tapping 'MYTYM' icon on the home screen or app drawer.



LOCATION PERMISSION



To use various features of the app, permission for accessing the device's location is required.

► WHILE USING THE APP

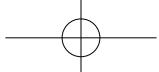
Allow device location access while using the app. After initial setting, permission pop-up message won't show again.

► ONLY THIS TIME

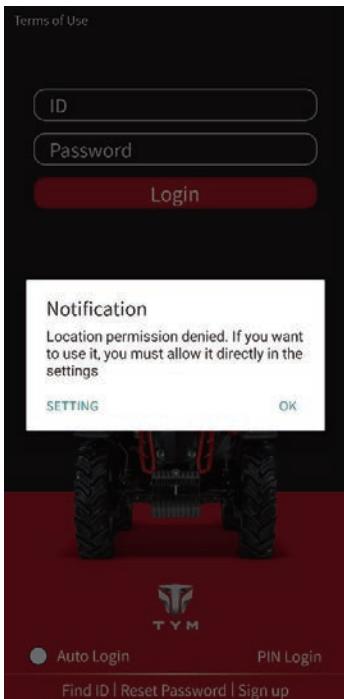
Allow device location access only this time. A pop-up message will appear again on next app launch.

► DON'T ALLOW

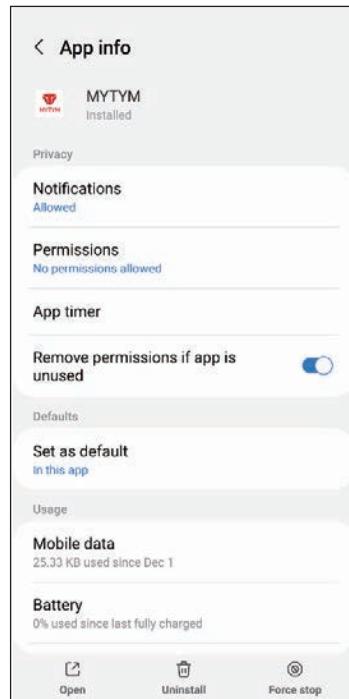
Deny permission of access to the device's location. The application will shut down immediately.



LOCATION PERMISSION

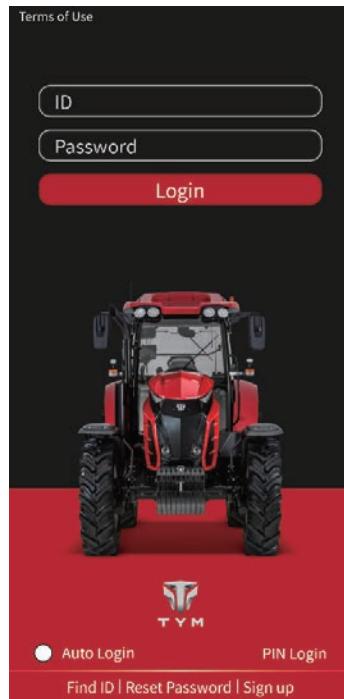


You can change the policy for allowance to access to the device's location by tapping the 'setting' ^① icon.

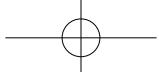


Tap the 'Permissions' ^① to change the permission policy to access to device's location

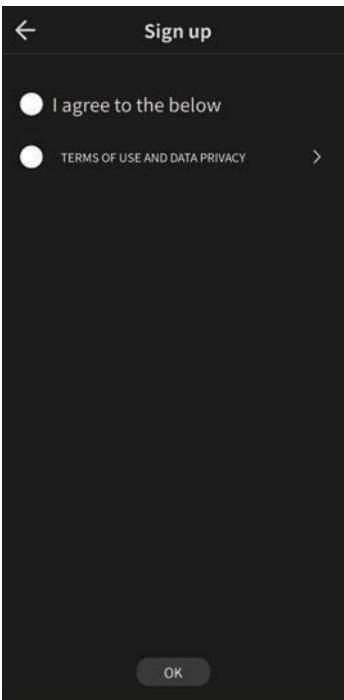
회원가입



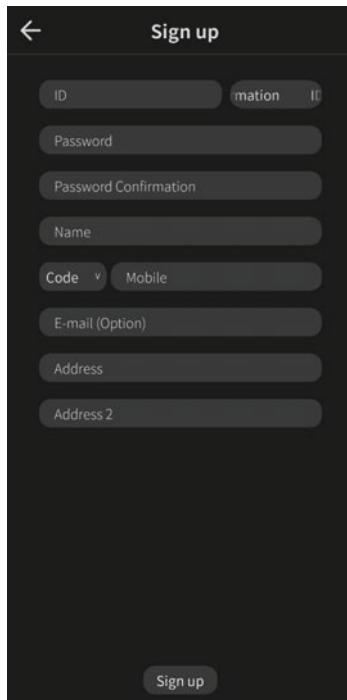
To use the app, 'Sign up' is required. Click on the 'Sign up' ^① to proceed to registration.



7-10 Designed for your world



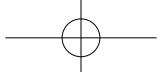
Read and agree to the Terms and Conditions.
Check the agreement box^① to proceed.



- **ID**
At least 5 characters with combination of upper, lower case or numbers only.
- **Password**
It must be created with a combination of 8 or more letters (upper and lowercase letters), numbers and special characters.

IMPORTANT

- A password must include three types of uppercase, lowercase and special characters.



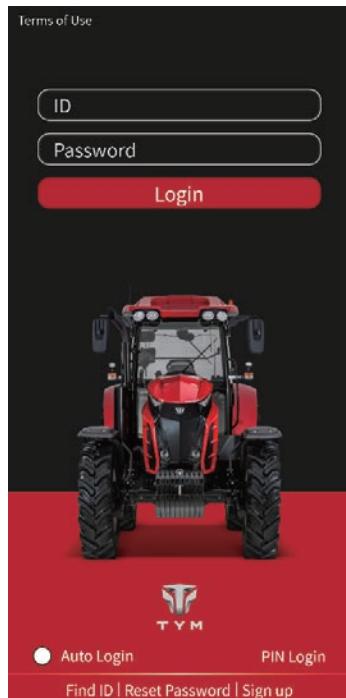
LOGIN

► REQUIRED FIELD

- Name
Fill with an alphabet.
- Mobile
Choose country code and fill with your current mobile number.
- Address
Fill with your resident address.

► OPTIONAL FIELD

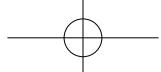
- E-mail
Fill with your current E-mail address.



Log in with your ID and password.

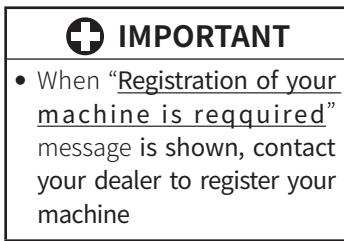
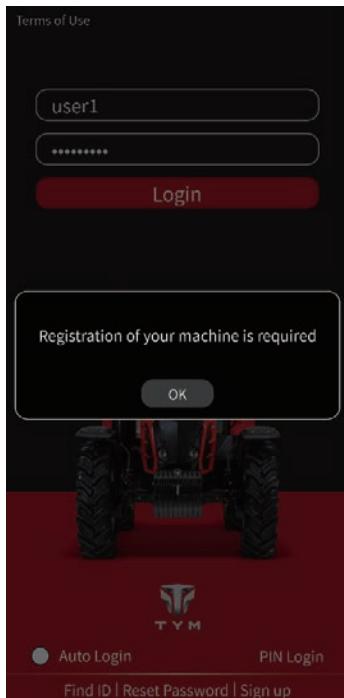
► IMPORTANT

- For security purpose, please enable 'Auto Login'① only on your mobile..

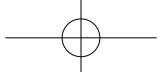


7-12 Designed for your world

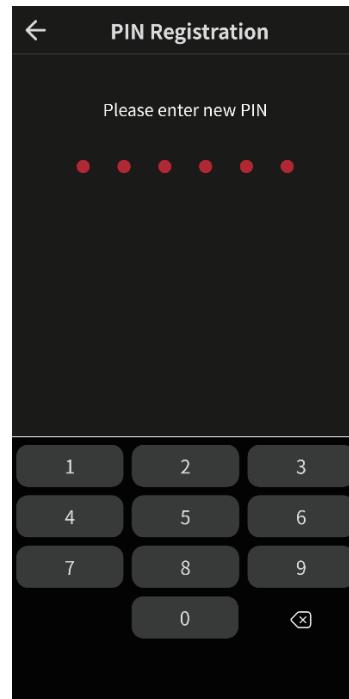
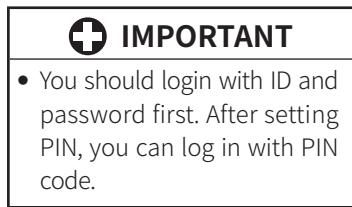
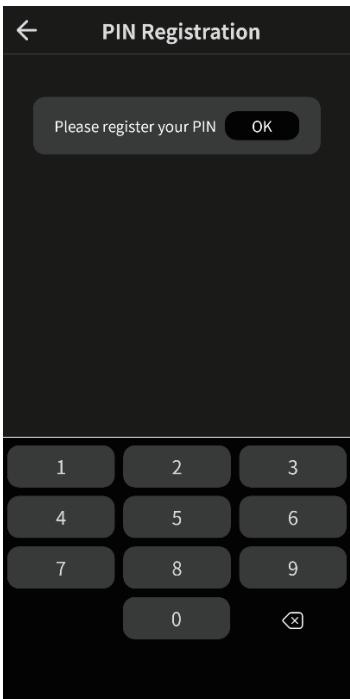
REGISTER YOUR MACHINE



To use app, you should register your machine through an authorized dealer.

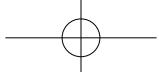


SET PIN CODE



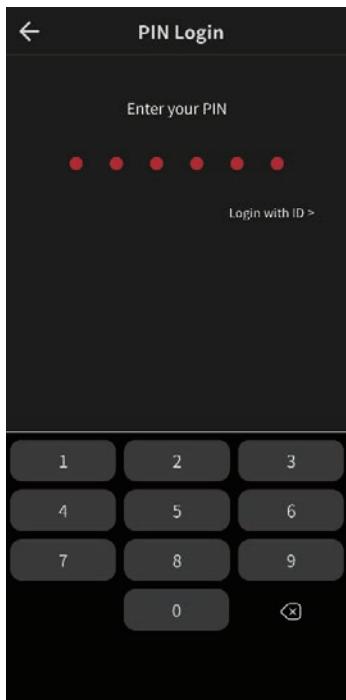
After registration, you can set PIN code for quick login.

Input 6 digits of a PIN code twice.



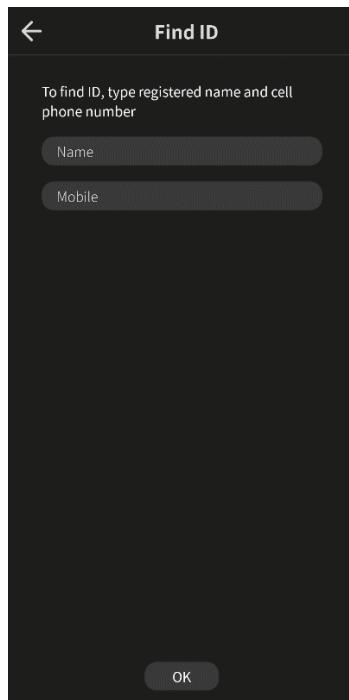
7-14 Designed for your world

LOGIN WITH PIN CODE

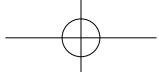


After setting PIN, you can log in with it.

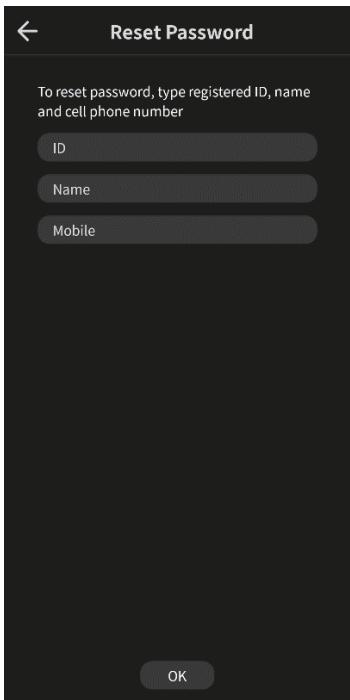
FIND ID



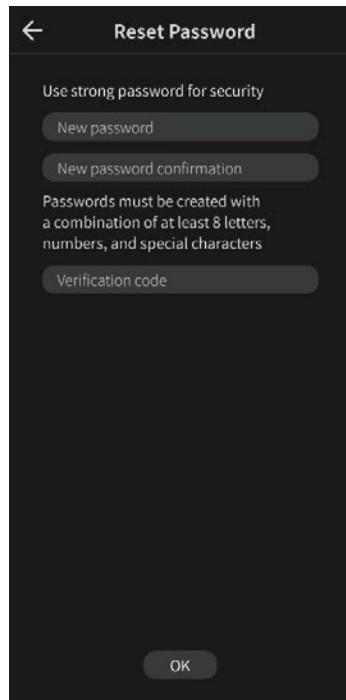
Input name and mobile correctly to find your ID.



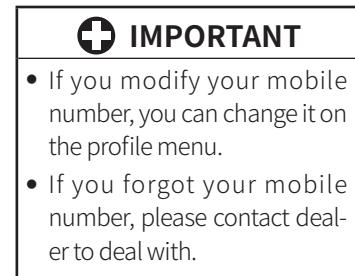
RESET PASSWORD

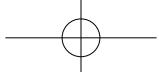


Input ID, name and mobile correctly to reset your password.



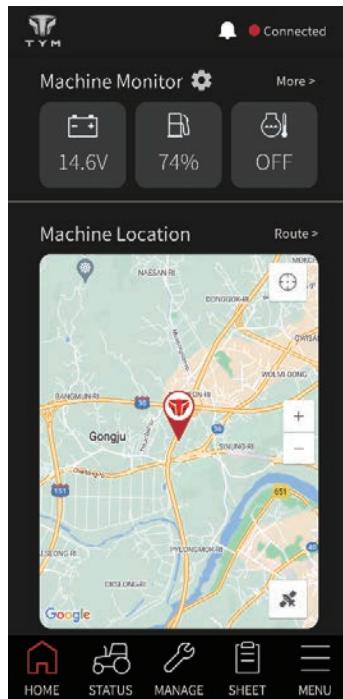
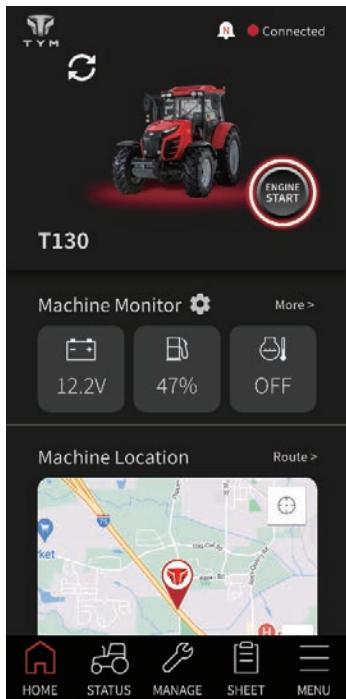
Input new password, confirmation and 'Verification code' ^① sent to your mobile.





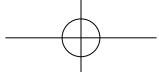
7-16 Designed for your world

HOME MENU HOME SCREEN

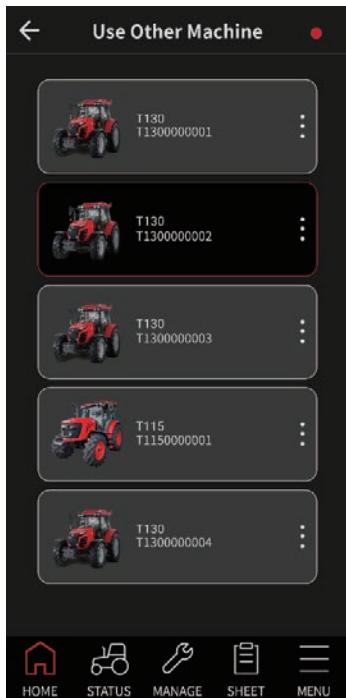


►DESCRIPTION

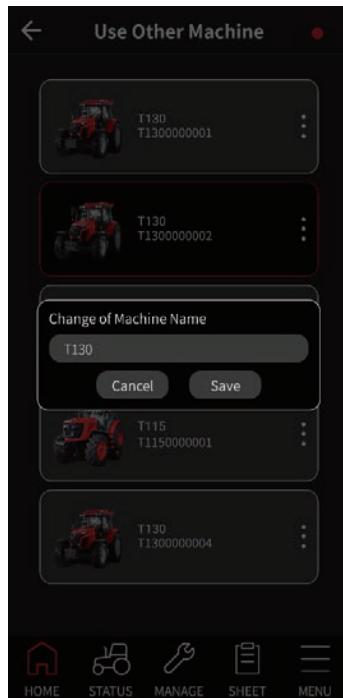
- (1) Machine name
- (2) Use other machine
- (3) Notification
- (4) Machine appearance
- (5) Connection status
- (6) Engine status
- (7) Machine monitor setting
- (8) Machine monitor
- (9) Machine location
- (10) Main menu



USE OTHER MACHINE

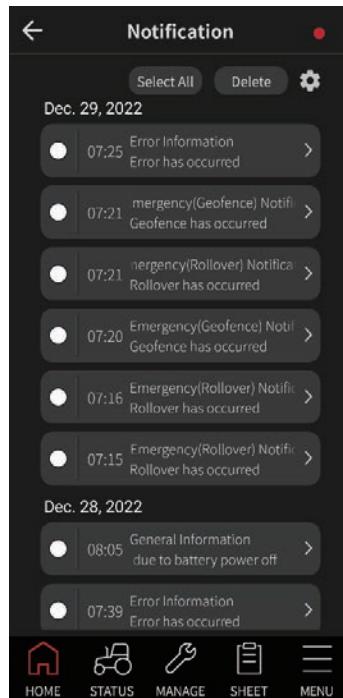


You can select machine for mobile connection among registered machines.

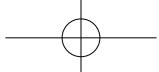


Tap the 'more'① icon to change the machine name.

NOTIFICATION



Notifications are categorized by emergency, general, error, consumables replacement and notice.



►EMERGENCY NOTIFICATION

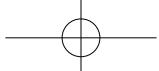
- Rollover
- Geofence

►GENERAL NOTIFICATION

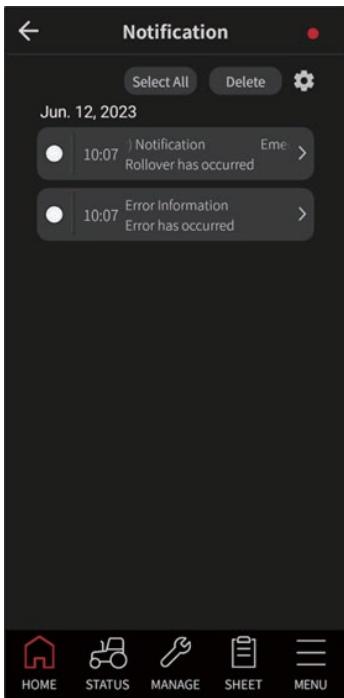
- Battery low voltage
11.5 V or below
- Telematics communication disconnection :
120 hours after engine off or
battery below 11.0V
(Telematics communication
will be continued
automatically after KEY-ON
state.)
- Battery disconnection:
Battery cable disconnected
or battery disconnection
switch off

IMPORTANT

- While telematics communication or battery is disconnected, several functions such as remote start/stop and geofence won't work. Please connect the communication by manual KEY ON.
- Standard values of low battery and telematics disconnection can be changed without notice for improvement.
- In push message setting, you can turn on/off push message notification.

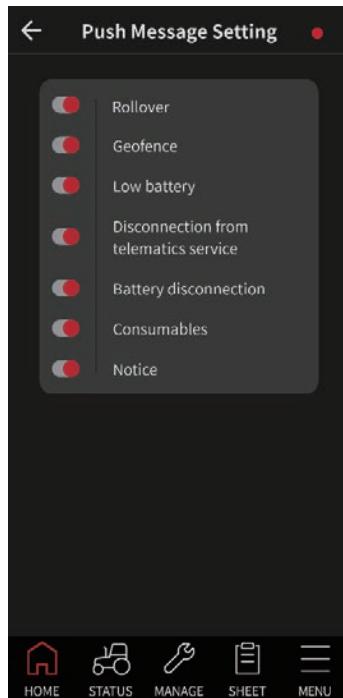


NOTIFICATION (DETAIL)



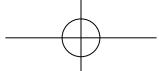
Tap a notification item to see details.

PUSH MESSAGE SETTING



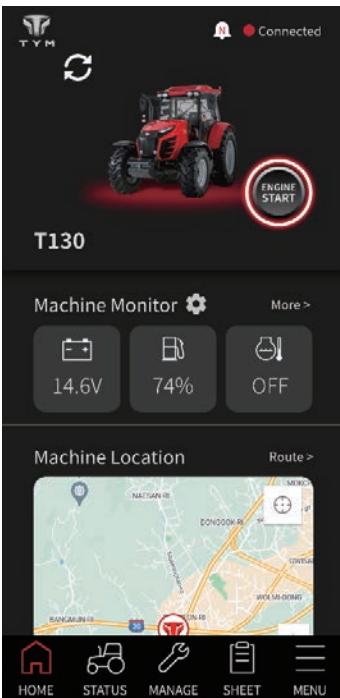
You can receive push message notification by turning on/off categories.

You can receive push messages even if the app is closed.



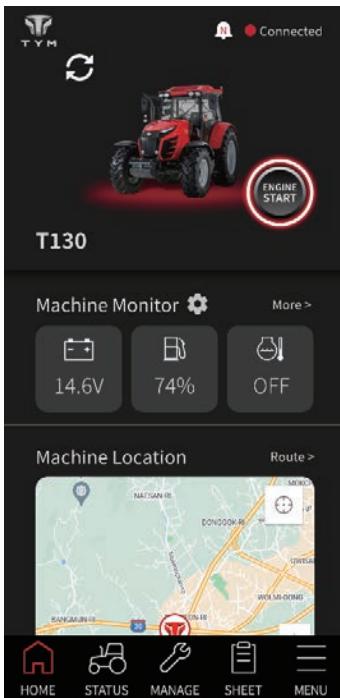
7-20 Designed for your world

MACHINE APPEARANCE



Connected machine's appearance will be shown in home menu.

STATUS OF CONNECTION



You can check machine connection status through 'connection status' icon.

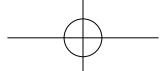
► CONNECTED

When the machine is connected to the mobile, red-colored 'Connected' icon will be displayed.

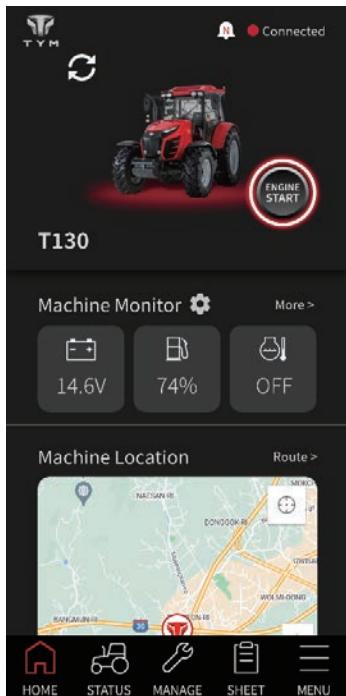
► DISCONNECTED

When the machine is not connected to the mobile, gray-colored 'Disconnected' icon will be displayed.

Before using the app, please confirm the red-colored 'Connected' icon.

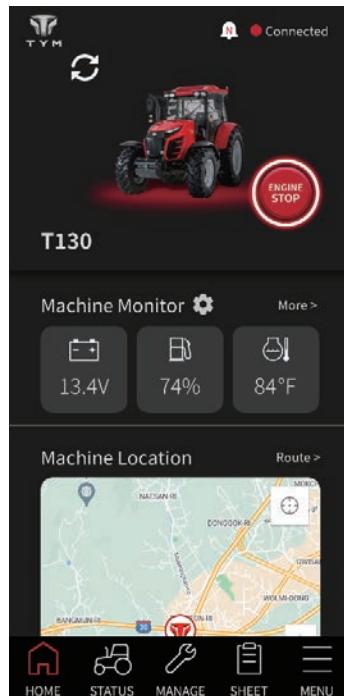


REMOTE ENGINE START

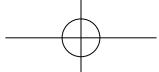


While the engine is off, 'Engine Button'^① is displayed in black with the text 'ENGINE START'. Remote engine start can be executed with PIN code.

REMOTE ENGINE STOP

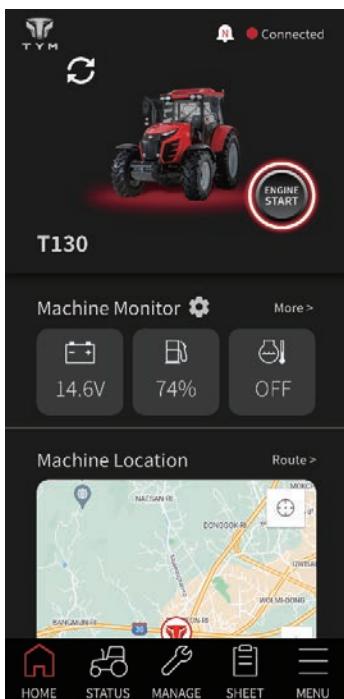


While the engine is on, 'Engine Button'^① is displayed in red with the text 'ENGINE STOP'.



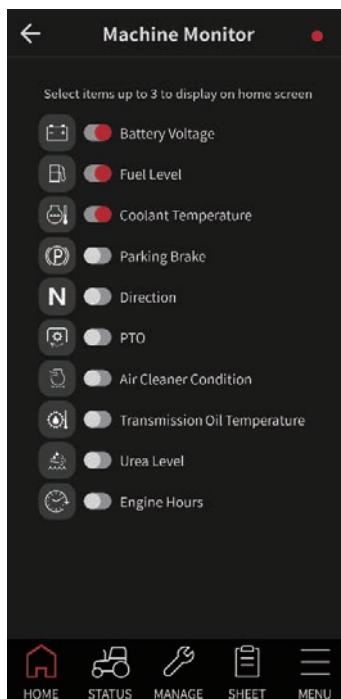
7-22 Designed for your world

MACHINE MONITOR

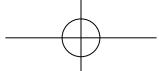


Machine status icons displayed up to 3 items. Tap 'setting' ^① icon to choose which items to display.

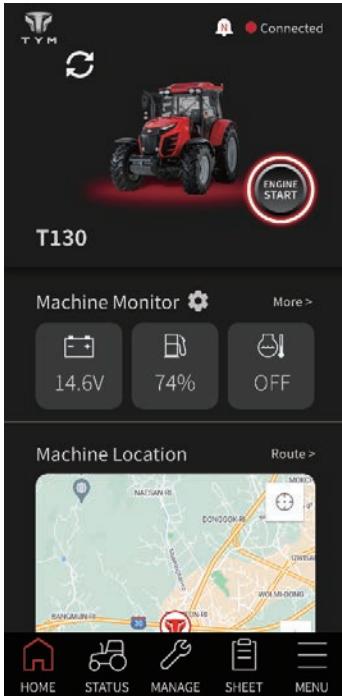
MACHINE MONITOR (SETTING)



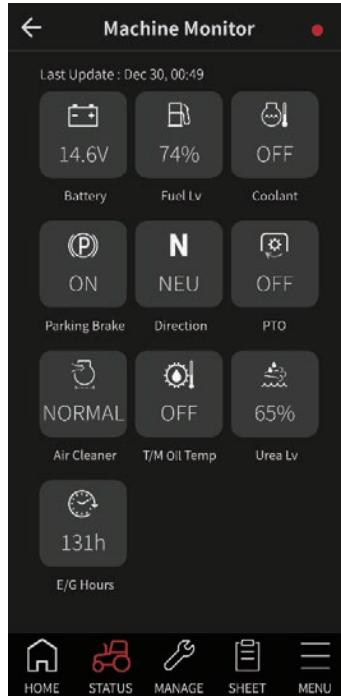
Select up to 3 items to display on the home screen.



MACHINE MONITOR (MORE)



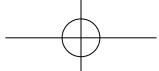
Tap 'More'^① icon to view all of machine status.



Check the 'Status of machine' chapter for more details.

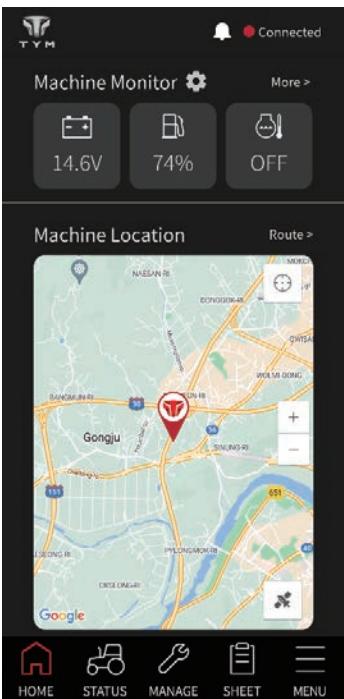
IMPORTANT

- Displayed machine status items may vary depending on machine model.

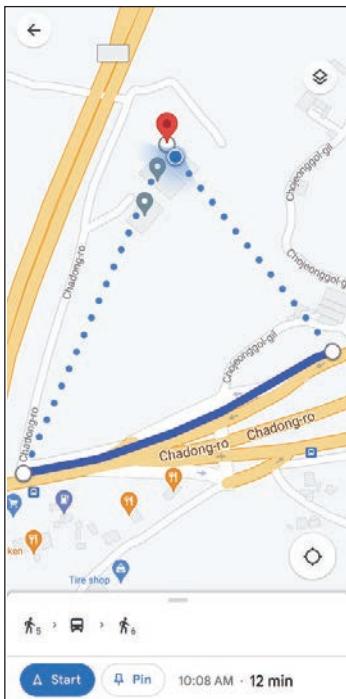


7-24 Designed for your world

MACHINE LOCATION



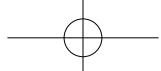
Machine's current location shows up on the map.



Tap 'Route'① icon to find a route from your position to the machine.

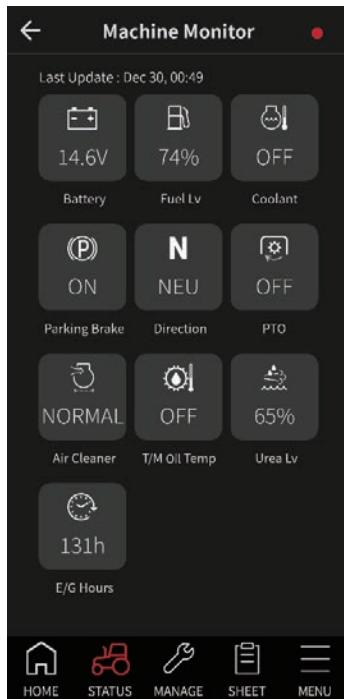
IMPORTANT

- In case that Google Maps is not installed on your mobile, the app will open Google Play or App Store to download Google Maps application.



STATUS OF MACHINE

MACHINE STATUS

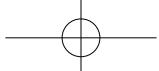


Following machine status items are displayed.

- (1) Battery voltage
- (2) Fuel level
- (3) Coolant temperature
- (4) Parking brake
- (5) Shuttle direction
- (6) PTO
- (7) Air cleaner
- (8) Transmission oil temperature
- (9) Urea level
- (10) Engine hours
- (11) 4WD
- (12) Horizontal mode
- (13) Depth mode
- (14) Draft mode

IMPORTANT

- **Items updated real-time:**
Parking brake, shuttle direction, PTO, air cleaner, 4WD, Horizontal mode, depth mode, draft mode
- **Items updated every 1 minute:**
Battery, fuel level, coolant temperature, transmission oil temperature, urea level
- **Items updated every 1 hour:**
Engine hours



7-26 Designed for your world

BATTERY

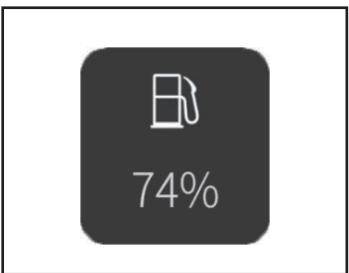


Battery icon shows the current voltage of the battery

- Red: 11.5V or less

When battery icon becomes red, charge the battery.

FUEL LEVEL

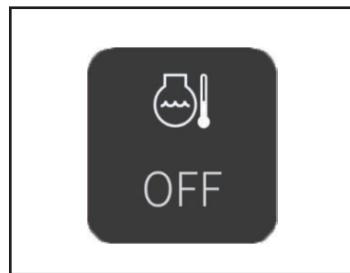


Fuel level icon shows the current fuel level.

- Red icon: 15% or less

When fuel level icon becomes red, fill the fuel tank.

COOLANT TEMPERATURE

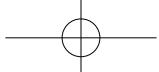


Coolant temperature icon shows the current temperature of coolant. When the engine is off, OFF is shown instead of numbers.

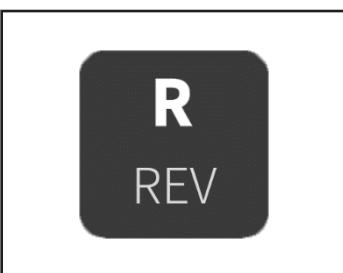
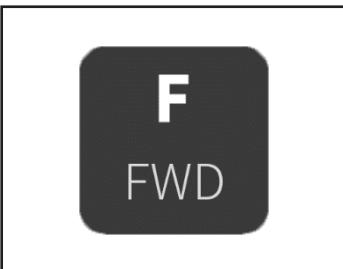
- Red icon : Coolant is overheated.

When coolant temperature icon becomes red, It means the coolant is overheated. Check followings.

1. Coolant level insufficient
2. Radiator fin clogged
3. Fan belt tension

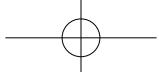
**PARKING BRAKE**

Parking brake icon shows the current status of the parking brake.

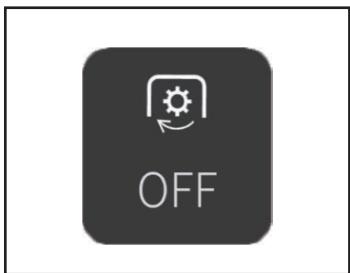
SHUTTLE DIRECTION

Shuttle Direction icon shows the current direction of the shuttle lever.

- F – Forward
- N – Neutral
- R – Reverse

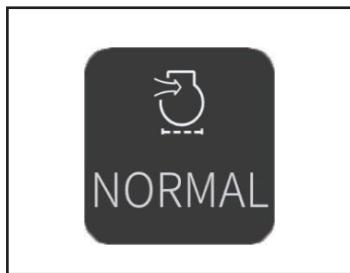


PTO



PTO icon shows the current status of the PTO shaft.

AIR CLEANER

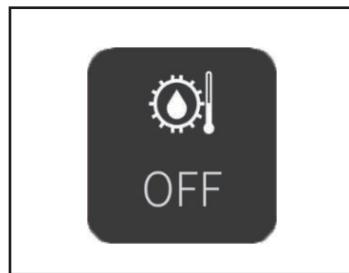


Air cleaner icon shows the current air cleaner condition.

- Red icon: Air cleaner is clogged.

When air cleaner icon becomes red, clean the air cleaner.

TRANSMISSION OIL TEMP

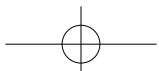


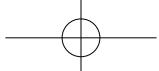
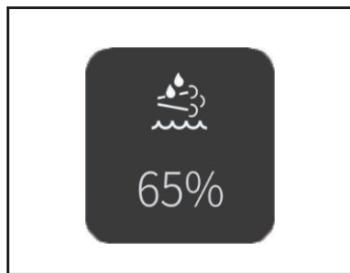
Transmission oil temperature icon shows the current temperature of the transmission oil. When the engine is off, OFF is shown instead of numbers.

- Red icon: 32°F or less

IMPORTANT

- In cold weather, engine pre-heating (idling) is required.

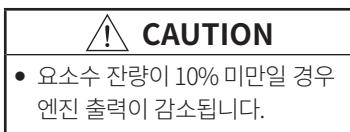
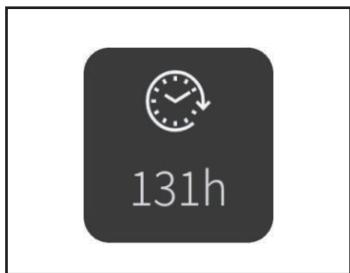


**UREA LEVEL**

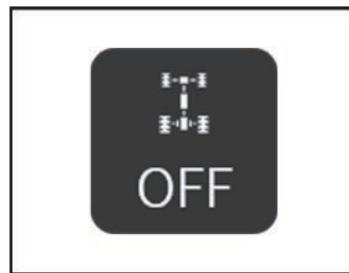
Urea level icon shows the current urea level.

- Red icon: 25% or less

When urea level icon becomes red, fill the urea quickly.

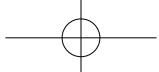
**ENGINE HOURS**

Engine hours icon shows the total time of usage.

4WD

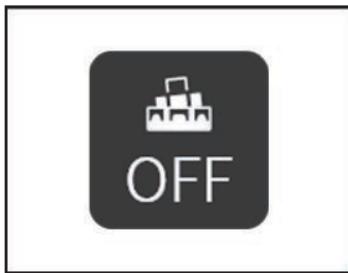
4WD icon shows the current mode of the vehicle. If 4WD icon is “ON”, the vehicle will operate in 4-Wheel Drive mode. When the engine is off, “OFF” is shown.

- Red icon: 4WD “ON” status



7-30 Designed for your world

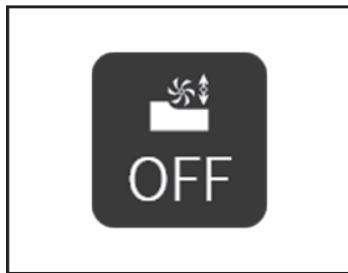
HORIZONTAL MODE



Horizontal mode icon shows the current mode of the vehicle. If Horizontal mode icon is “ON”, the vehicle will operate in Horizontal mode. When the engine is off, “OFF” is shown.

- Red icon: Horizontal mode “ON” status

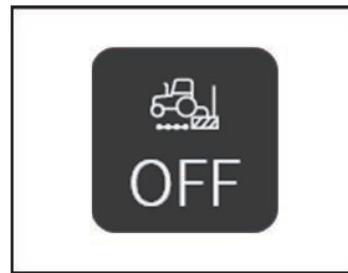
DEPTH MODE



Depth mode icon shows the current mode of the vehicle. If Depth mode icon is “ON”, the vehicle will operate in Depth mode. When the engine is off, “OFF” is shown.

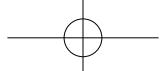
- Red icon: Depth mode “ON” status

DRAFT MODE

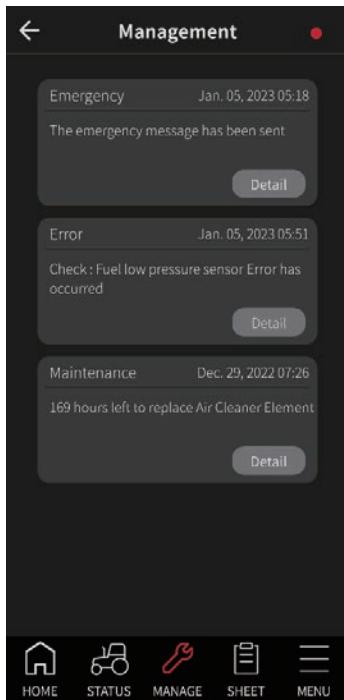


Draft mode icon shows the current mode of the vehicle. If Draft mode icon is “ON”, the vehicle will operate in Draft mode. When the engine is off, “OFF” is shown.

- Red icon: Draft mode “ON” status



MACHINE MANAGEMENT MANAGEMENT



In the management menu, you can see emergency notifications, check error-handling situations and manage consumables.

►EMERGENCY NOTIFICATION

- **Rollover**

When the machine rolls over, a notification will be delivered.

- **Geofence**

When the machine leaves geofence, A notification will be delivered.

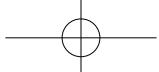
►ERROR

- When error occurs, a notification will be delivered.

7

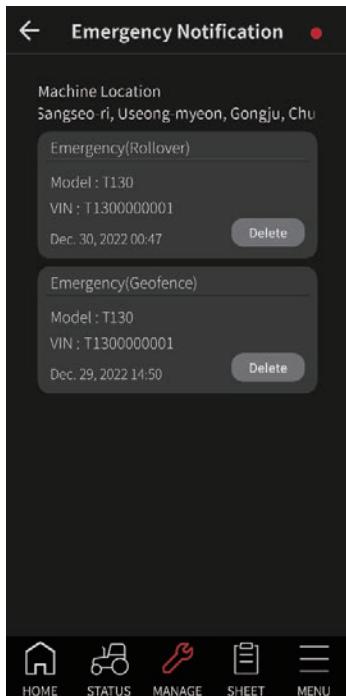
►MAINTENANCE

- Consumable lifespans are sorted into 3 levels : Change / Check / Good.



7-32 Designed for your world

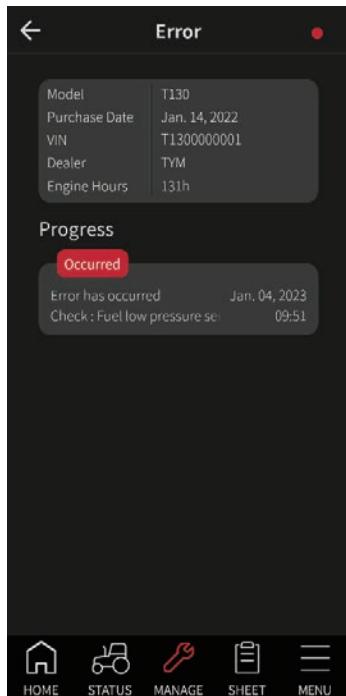
EMERGENCY NOTIFICATION

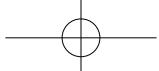


You can see a history of emergency events such as rollover and geofence.



ERROR



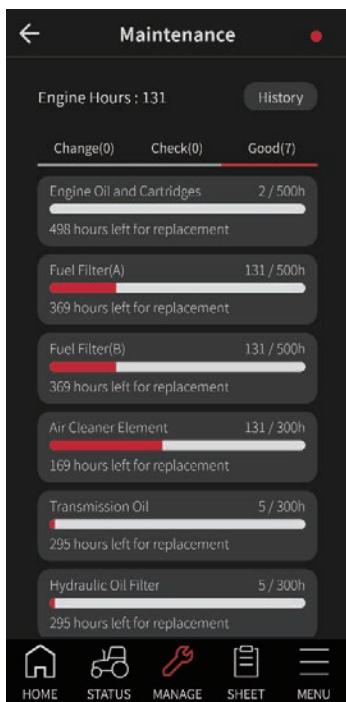


CONSUMABLES

You can see a list of occurred errors and the progress of troubleshooting in Error details.

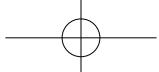
►ERROR-HANDLING PROCEDURE

1. Occurred
2. Accepted
3. Repairing
4. Resolved



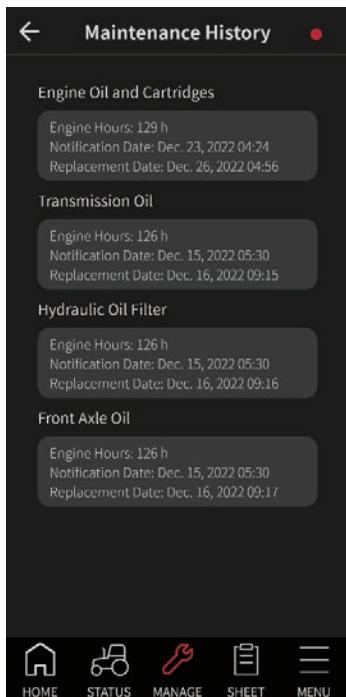
IMPORTANT

- When consumables need replacement, push message will be delivered.



7-34 Designed for your world

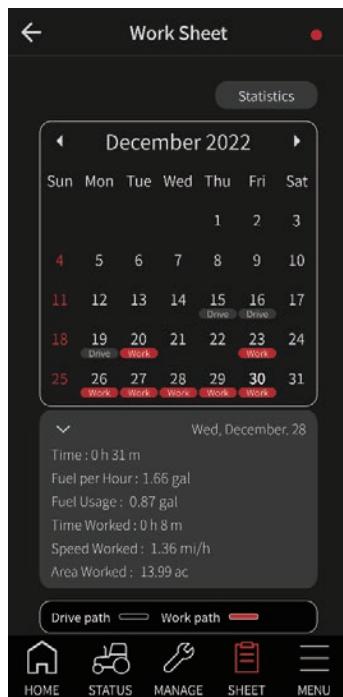
REPLACEMENT HISTORY



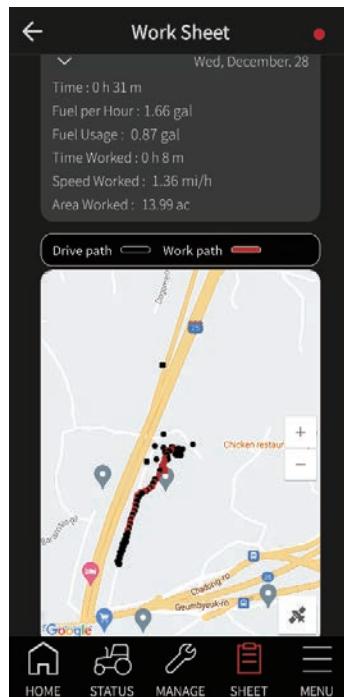
Tap 'History'® icon on the maintenance menu to show the replacement history of consumables.

WORK SHEET

WORK SHEET

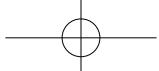


When the machine starts, it shows 'Drive' in gray. Under work conditions, it turns to 'Work' in red.



Click a date to view the drive and work path of the machine for that day.

Black dot: Drive Red dot: Work

**►TIME**

Total usage time of the machine on selected day.

►FUEL PER HOUR

Fuel per hourFuel mileage on selected day.

►FUEL USAGE

Fuel usageTotal fuel usage on selected day.

►TIME WORKED

Total working time on selected day. (PTO + Tow)

►SPEED WORKED

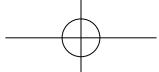
Average working speed on selected day.

►AREA WORKED

Total movement × Implement width on selected day.

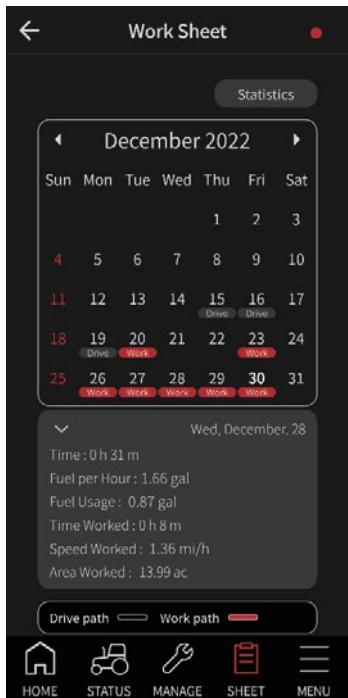
**IMPORTANT**

- Work data is calculated only in certain conditions. (ex. Engine load, PTO)
- When the implement width is unset or zero, area worked won't be calculated.
- Drive and work path are displayed as dots every 1 minute, not a linear form.
- Data may not be accurate depending on the GPS conditions.

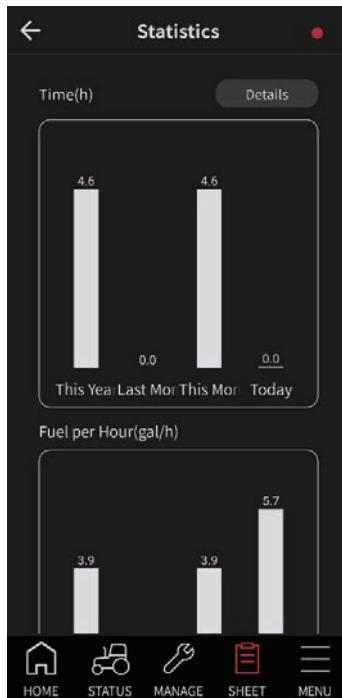


7-36 Designed for your world

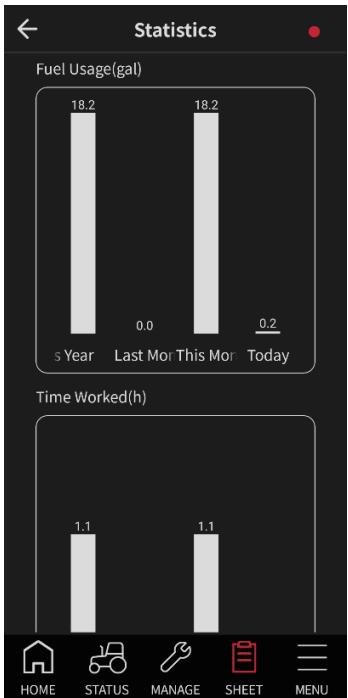
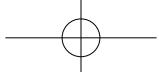
STATISTICAL CHART OF USAGE



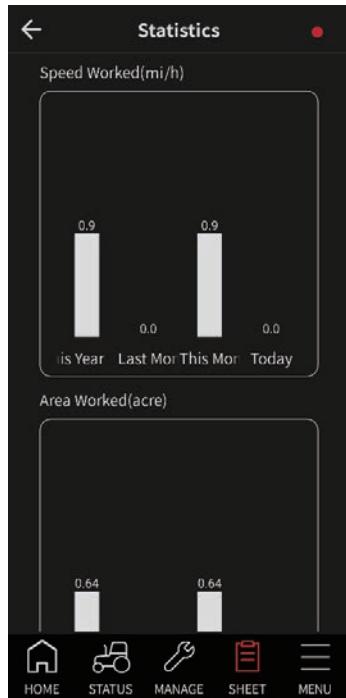
Tap 'Statistics'⁽¹⁾ icon on the work sheet menu to view a statistical chart of usage sorted by this year, last month, this month, or today.



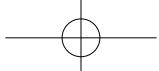
- (1) Time of usage
- (2) Average fuel mileage



(3) Fuel consumption
(4) Working hour

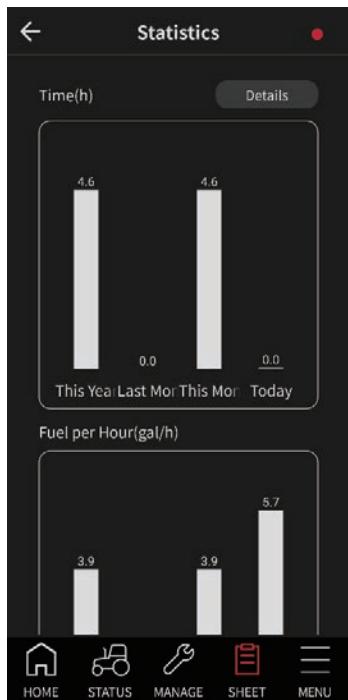


(5) Average working speed
(6) Working area

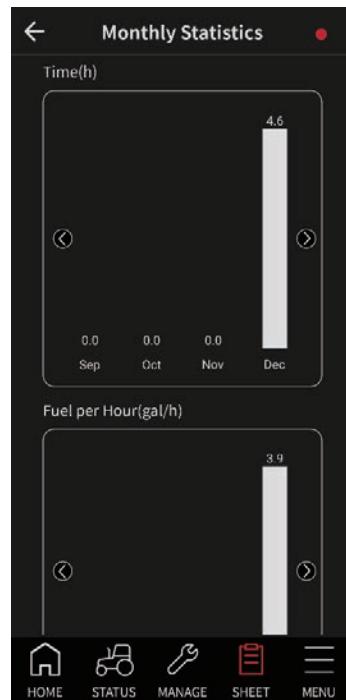


7-38 Designed for your world

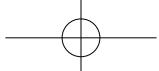
MONTHLY STATISTICS



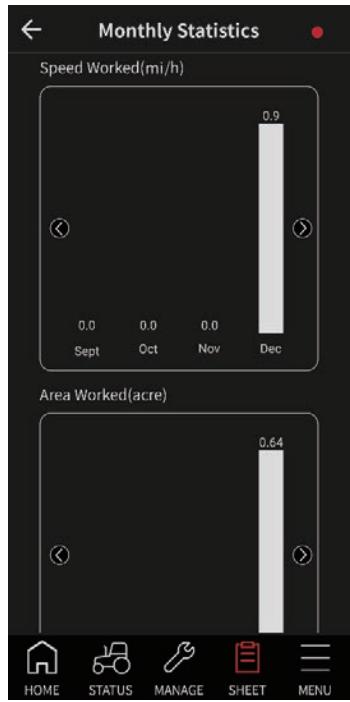
Tap 'Details'① icon on a statistics menu to view a monthly statistical chart of usage.



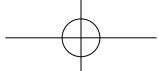
- (1) Time of usage (monthly)
- (2) Average fuel mileage (monthly)



(3) Fuel consumption (monthly)
(4) Working hour (monthly)



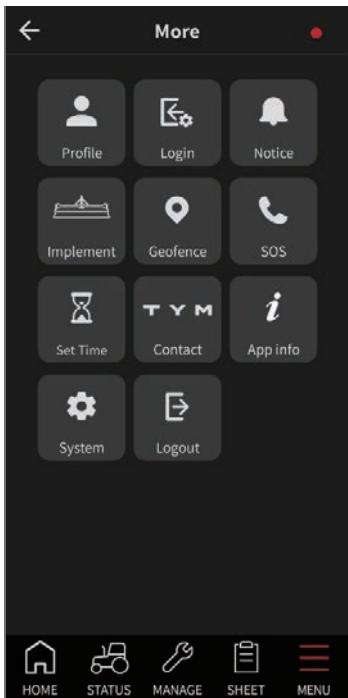
(5) Average working speed (monthly)
(6) Working area (monthly)



7-40 Designed for your world

MENU (MORE)

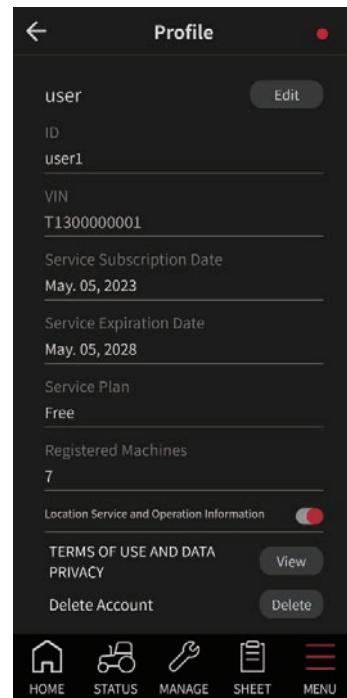
MENU (MORE)

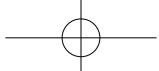


Menu (more) contains following items.

- (1) User profile
- (2) Login setting
- (3) Notice
- (4) Implement setting
- (5) Geofence
- (6) Emergency contact
- (7) Automatic engine off
- (8) Customer service
- (9) Application information
- (10) System setting
- (11) Logout

USER PROFILE



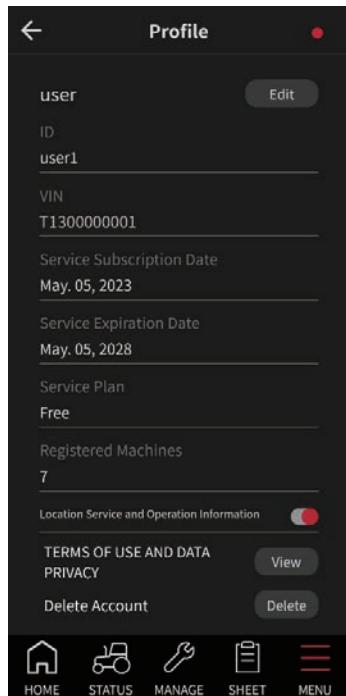


DELETE ACCOUNT

In Profile menu, you can see profile, machine and service information. Also, you can edit personal information such as mobile number, E-mail and address.

Telematics service is provided free of charge for 5 years from machine purchases. To continue using the service, a telematics service renewal is required with a monthly subscription fee.

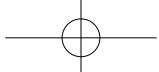
- Current machine location, route to machine, work sheet and other services can be provided only upon agreement of Terms of Use and Location services.
- If you disagree to device's location service, the application will automatically shut down.



IMPORTANT

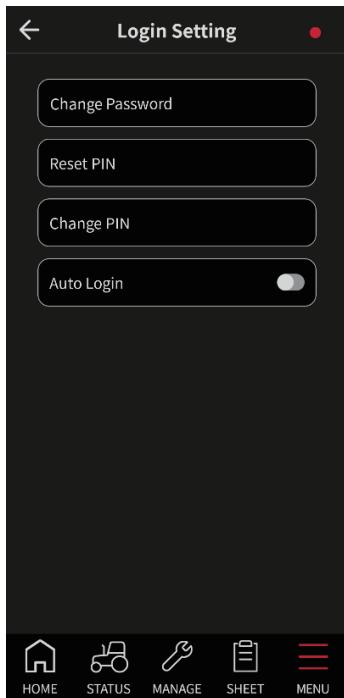
- Once the account is deleted, all user information cannot be recovered.
- Deleted ID cannot be reused or created.

Tap 'Delete'^① to remove all user information from the telematics service.



7-42 Designed for your world

LOGIN SETTING



►CHANGE PASSWORD

Change Password You can change the current password.

►RESET PIN

You can reset the PIN code. The identification process is required.

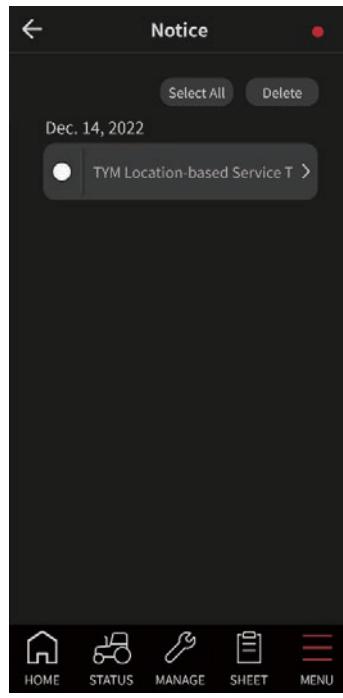
►CHANGE PIN

You can change the current PIN code.

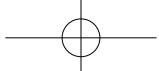
►AUTO LOGIN

The login process will be skipped when Auto Login is activated.

NOTICE



You can check the notices from dealer or customer service in Notice menu.



NOTICE (DETAIL)



Tap an item of the notice list to see more details.

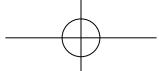
IMPLEMENT SETTING



You can register, edit and delete implement details such as name and width.

IMPORTANT

- The numeric value of the implement width will affect the accuracy of the work sheet.
- When the implement width is 0 or not set, working area will not be calculated.



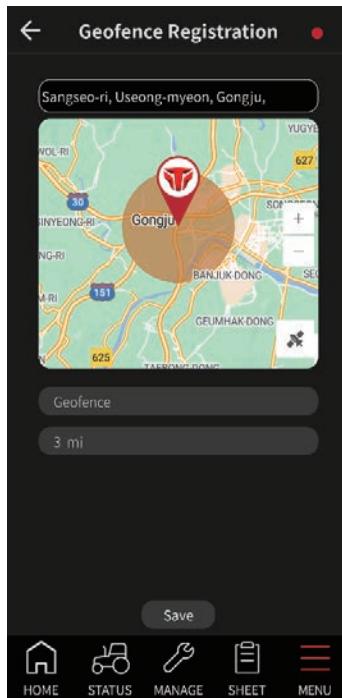
7-44 Designed for your world

GEOFENCE

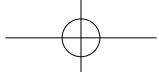


You can set geofence to get notification in case the machine leaves a specific area. Tap Deactivate^① icon to disable notification.

REGISTER GEOFENCE

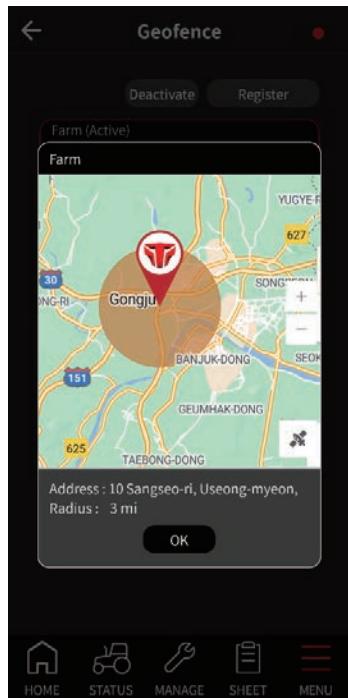


Set a radius of geofence from the current position.

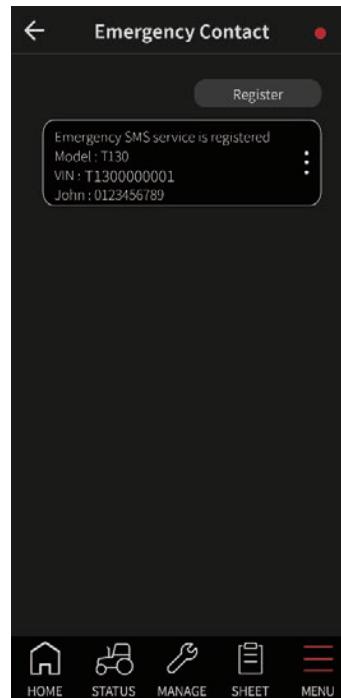


IDENTIFY GEOFENCE

- You can set several geofences, but only one geofence can be activated.
- Do not set geofence too narrow. Notifications can be delivered excessively.
- Geofence notification will not be delivered unless geofence is registered or activated.

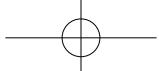


EMERGENCY CONTACT



7

Select an item from the geofence list to view details and location on the map.

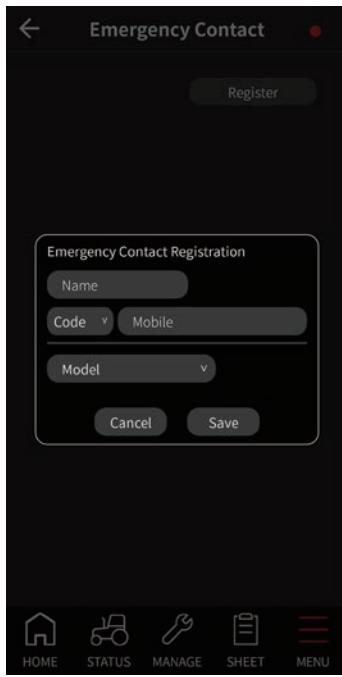


7-46 Designed for your world

During emergency events(rollover, geofence), emergency messages will be sent to registered contacts, dealer and customer service.

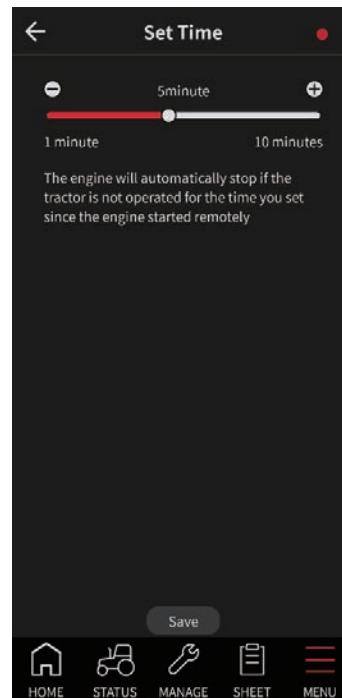


REGISTER EMERGENCY CONTACT

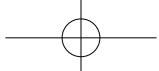


Tap 'Register'① icon to register emergency contact on each machine.

AUTOMATIC ENGINE OFF



If the machine is not in operation mode within the specified time, the remote start will automatically shut down for safety reasons.



CUSTOMER SERVICE

This function will be applied to next remote engine start.

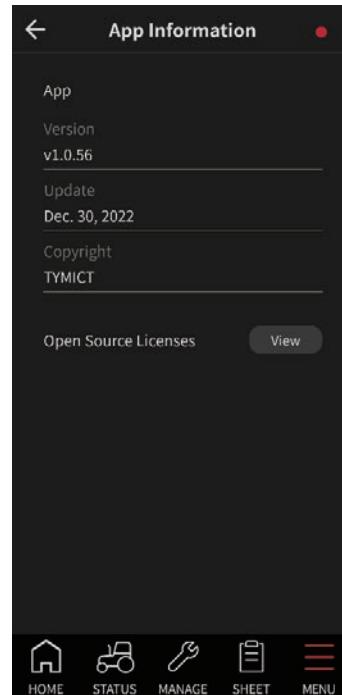
IMPORTANT

- Refer to the remote start page for details regarding the work mode.



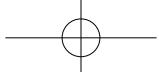
Tap a customer service icon to make a call to your dealer or service shop.

APPLICATION INFORMATION



7

You can check detailed app information and open-source licenses in App Information menu.



7-48 Designed for your world

SYSTEM SETTING

►HOW TO UPDATE THE APP

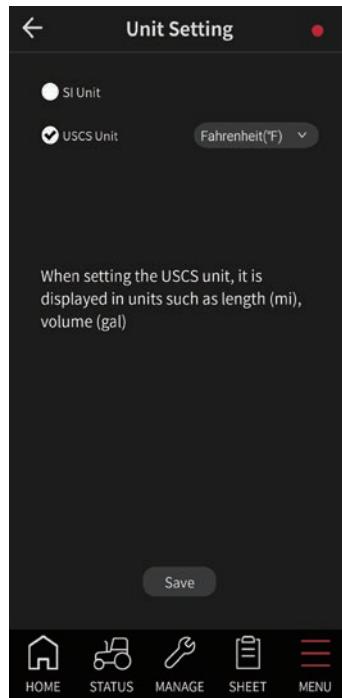
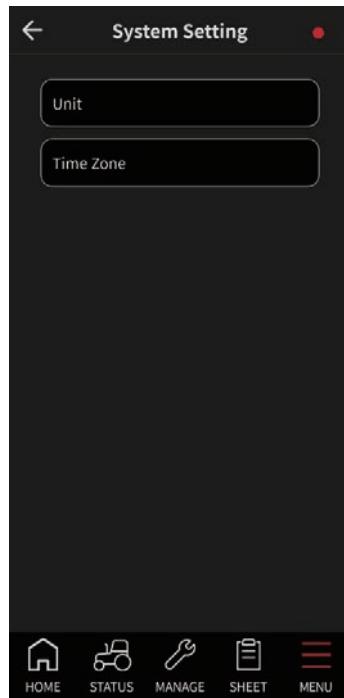
hen application update is available, notification will be delivered.

►HOW TO UPDATE TBOX

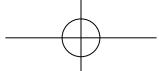
When TBOX boots up, it automatically checks and updates to the latest version.

IMPORTANT

- For improved stability and access to new features, please use the latest version of the app.
- Application UI (User Interface) can be changed by application updates.



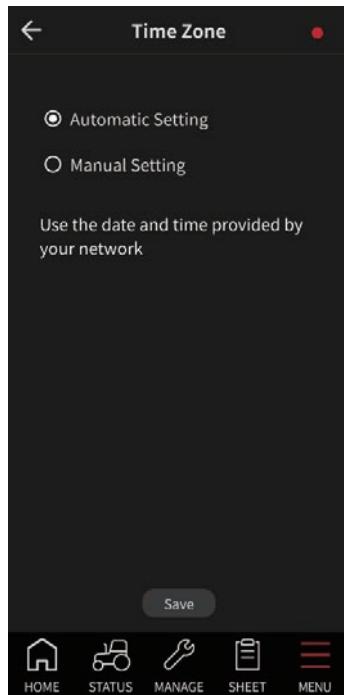
In System Setting, You can change default Unit and Time Zone.



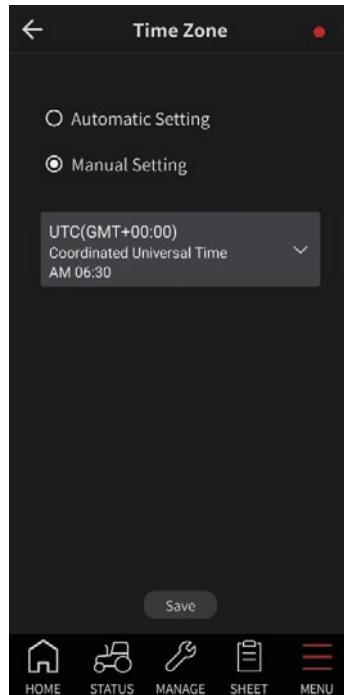
Select between SI and USCS Unit to change default unit of the app. You can select displayed tem

►ITEMS AFFECTED BY UNIT CHANGE:

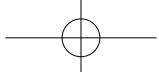
- STATUS(Coolant Temp., T/M Oil Temp.)
- Work Sheet(Fuel per Hour, Fuel Usage, Speed Worked, Area Worked)
- Implement Width
- Geofence Radius



Automatic Setting uses the time zone provided by network.



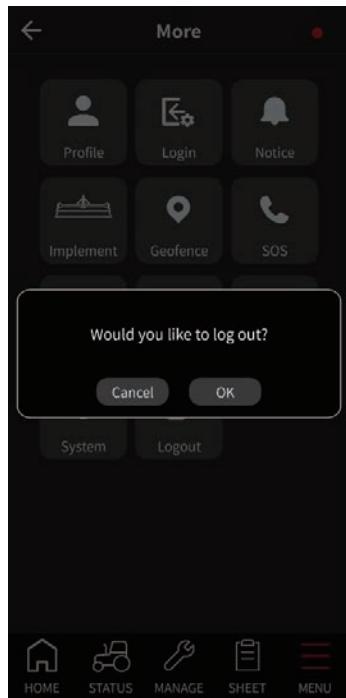
You can directly set the specific time zone by your preference.



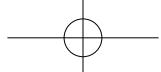
LOGOUT

►► **ITEMS UPDATED
ACCORDING TO TIME ZONE
CHANGE:**

- Notification Time
- Work Sheet Data & Statistics



Tap OK button to log out and move to the login screen.



APPENDIX FCC INSTRUCTIONS

►FCC COMPLIANCE STATEMENT

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

►FCC INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

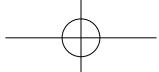
►FCC CAUTION

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

7

►FCC RADIATION EXPOSURE STATEMENT (PART 2. 1091)

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



STATEMENT

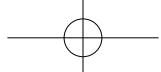
►INDUSTRY CANADA STATEMENT

This device complies with RSS-Gen Issue 5, RSS-132 Issue 4, RSS-133 Issue 7, RSS-130 Issue 2, RSS-139 Issue 4 of the Industry Canada Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

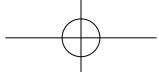
►INDUSTRY CANADA RADIATION EXPOSURE STATEMENT

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.



SPECIFICATIONS

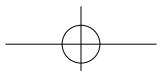
Item	Spec.
Modem Spec.	<ul style="list-style-type: none">• LTE Cat. 4 module optimized for M2M and IoT applications• MINO Technology• Multi-constellation GNSS Receiver• Worldwide LTE Coverage• LTE-FDD: B2/B4/B5/B12/B13/B14/B66/B71^{※1}• GPS, GLONASS, BeiDou/Compass, Galileo and QZSS
Modem Frequency Range	<ul style="list-style-type: none">• LTE BAND 2 : 1850.7MHz ~ 1909.3MHz• LTE BAND 4 : 1710.7MHz ~ 1754.3MHz• LTE BAND 5 : 824.7MHz ~ 848.3MHz• LTE BAND 12 : 699.7MHz ~ 715.3MHz• LTE BAND 13 : 779.5MHz ~ 784.5MHz• LTE BAND 14 : 790.5MHz ~ 800.5MHz• LTE BAND 66 : 1710.7MHz ~ 1779.3MHz• LTE BAND 71 : 665.5MHz ~ 695.5MHz

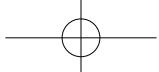


MEMO



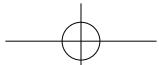
Designed for your world

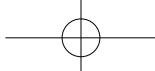




7. TROUBLESHOOTING

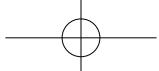
TROUBLESHOOTING - ENGINE.....	7-2
TROUBLESHOOTING - CLUTCH AND BRAKE	7-5
TROUBLESHOOTING - HYDRAULIC SYSTEM	7-6
TROUBLESHOOTING - ELECTRICAL SYSTEM	7-7



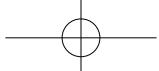


TROUBLESHOOTING - ENGINE

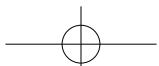
Symptom	Inspection item	Action
1. The starter motor does not start when the main (ignition) key switch is turned to "START".	• Is the clutch depressed?	• Depress the clutch pedal fully and turn the main (ignition) key switch to the "START" position.
	• Is the battery discharged?	• Charge the battery.
	• Is the battery terminal loosened or corroded?	• Clean and tighten the terminals.
	• Is the main fuse blown out?	• Replace the fuse.
	• Is the main (ignition) key switch broken?	• Contact the dealer for repair or replacement.
	• Is the starter motor damaged?	• Contact the dealer for repair or replacement.
2. The starter motor runs, but the engine does not start.	• Is the fuel tank empty?	• Fill up the fuel tank and bleed the system.
	• Is the fuel mixed with air?	• Bleed the fuel system.
3. The engine revolution is irregular.	• Is air mixed in the fuel system?	• Bleed the fuel system.
	• Is water mixed in the fuel?	• Drain water and replace fuel.
	• Is the injection nozzle clogged?	• Contact the dealer for repair or replacement.
	• Is the fuel filter clogged?	• Clean or replace it.

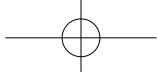


Symptom	Inspection item	Action
4. The engine is overheated.	• Is the coolant level low?	• Refill the coolant.
	• Is the fan belt loosened or damaged?	• Adjust the belt tension or replace it.
	• Is the radiator fin clogged?	• Clean it.
	• Is the engine oil level low?	• Refill the engine oil.
	• Is the engine running under overload?	• Reduce the load.
5. The engine power is too weak.	• Is the air cleaner clogged?	• Inspect the air cleaner and replace the element.
	• Is the nozzle damaged?	• Contact the dealer for repair.
	• Is the compression force weak?	• Contact the dealer for repair.
	• Is the valve clearance adjusted properly?	• Contact the dealer for repair.
	• Is the injection timing incorrect?	• Contact the dealer for repair.



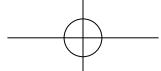
Symptom	Inspection item	Action
6. The coolant warning lamp is turned “ON” during operation.	<ul style="list-style-type: none">• Is the coolant level in the reservoir tank low?	<ul style="list-style-type: none">• Refill the coolant.
7. The engine oil pressure lamp is turned “ON” during operation.	<ul style="list-style-type: none">• Is the engine oil level low?	<ul style="list-style-type: none">• Refill the engine oil up to required level.
	<ul style="list-style-type: none">• Is the viscosity of the engine oil low?	<ul style="list-style-type: none">• Replace the engine oil with proper viscosity.
	<ul style="list-style-type: none">• Is the pressure switch defective?	<ul style="list-style-type: none">• Replace the switch.
	<ul style="list-style-type: none">• Is the oil pump defective?	<ul style="list-style-type: none">• Contact the dealer for repair.
8. The battery charge warning lamp is turned “ON” during operation.	<ul style="list-style-type: none">• Is the alternator defective?	<ul style="list-style-type: none">• Contact the dealer for repair.
	<ul style="list-style-type: none">• Is the fan belt loosened or damaged?	<ul style="list-style-type: none">• Adjust the fan belt tension or replace it.





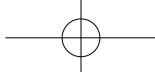
TROUBLESHOOTING - CLUTCH AND BRAKE

Symptom	Inspection item	Action
1. The clutch slips or does not disengage.	<ul style="list-style-type: none">Is the free play of clutch pedal proper?	<ul style="list-style-type: none">Adjust the free play of the pedals.
2. The brake does not work or works only on one side.	<ul style="list-style-type: none">Is the free play of the brake pedals proper?	<ul style="list-style-type: none">Adjust the free play of the pedals.
3. The brake pedal does not return to its original position properly and it makes a noise.	<ul style="list-style-type: none">Is the brake pedal return spring damaged?	<ul style="list-style-type: none">Replace the spring.
	<ul style="list-style-type: none">Is each sliding part well greased?	<ul style="list-style-type: none">Remove the rust and apply grease.



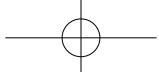
TROUBLESHOOTING - HYDRAULIC SYSTEM

Symptom	Inspection item	Action
1. The implement does not be lifted.	• Is the hydraulic flow control dial in the close position?	• Adjust the hydraulic flow control dial.
	• Is the transmission oil level low?	• Refill the transmission oil.
	• Is the air taken in the fluid suction system?	• Tighten the filter or connection parts. Replace the pipe or O-ring if damaged.
	• Is the oil filter clogged?	• Clean or replace it.
	• Is the Selective control valve lever in the detent position?	• Put the Selective control valve lever in the neutral position.
	• Is the hydraulic pump defective?	• Contact the dealer for repair.
	• Is the cylinder damaged?	• Contact the dealer for repair.
2. The implement does not be lowered.	• Is the hydraulic flow control dial in the close position?	• Adjust the hydraulic flow control dial.
	• Is the position control lever on the lowest position?	• Move the position control lever.
	• The implement cannot be lowered even though the position control lever is placed in the lowest position.	• Contact the dealer for repair.



TROUBLESHOOTING - ELECTRIC SYSTEM

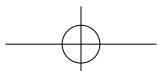
Symptom	Inspection item	Action
1. The headlamp does not turn "ON".	• Is the bulb blown?	• Replace the bulb.
	• Is the fuse blown?	• Replace the fuse.
	• Is the cable connector separated from the socket?	• Inspect it.
	• Is the contact in a poor condition?	• Inspect and clean the grounding and terminals.
2. The turn signal lamp does not come "ON".	• Is the bulb blown?	• Replace the bulb.
	• Is the fuse blown?	• Replace the fuse.
	• Is the cable connector separated from the socket?	• Inspect it.
	• Is the contact in a poor condition?	• Inspect and clean the grounding and terminals.
3. The other lamp does not turn "ON".	• Is the bulb blown?	• Replace the bulb.
	• Is the fuse blown?	• Replace the fuse.
	• Is the cable in a poor contact?	• Inspect the cable and secure the contact.
	• Is the switch defective?	• Replace the switch.

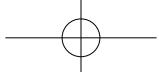


MEMO



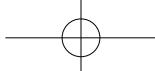
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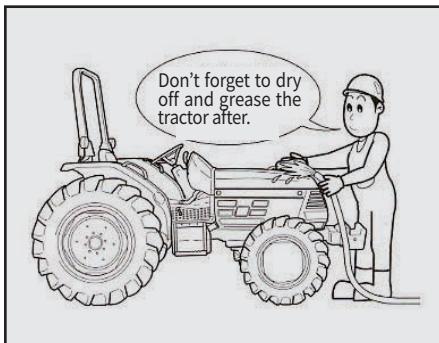


8. STORAGE AND DISPOSAL

DAILY STORAGE	8-2
LONG-TERM STORAGE.....	8-3
OPERATING TRACTOR AFTER LONG-TERM STORAGE	8-6
USAGE AND DISPOSAL	8-7



DAILY STORAGE



After work, clean the tractor and dry the moisture and supply grease into each grease nipple.

Avoid water on electrical parts whenever possible, as it will cause equipment breakdown.

1. Store the tractor after cleaning it. Especially, clean it thoroughly after harrowing or working in a wet field.
2. Be sure to lower the implement.
3. Store it indoors if possible. If it should be kept outside, cover it.

! CAUTION

- Unless the battery is removed from the vehicle, make sure to disconnect the negative(-) battery cable. The wiring can be gnawed by rodents, leading to a fire.

4. Remove the battery from the tractor in winter and store it indoors for easy starting.
5. Add anti-freeze to the tractor in winter season in order to prevent the radiator from freezing.
6. Remove the main (ignition) key and store it separately.

! DANGER

- When covering the tractor, make sure that the engine or the muffler has fully cooled down.

[Otherwise]

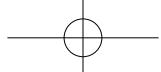
There is a risk of fire.

! CAUTION

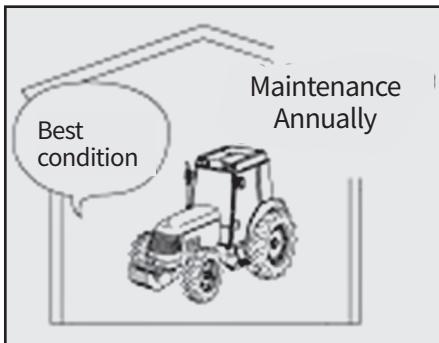
- When carrying out checking, maintenance, or repair, make sure to turn off the engine.

[Otherwise]

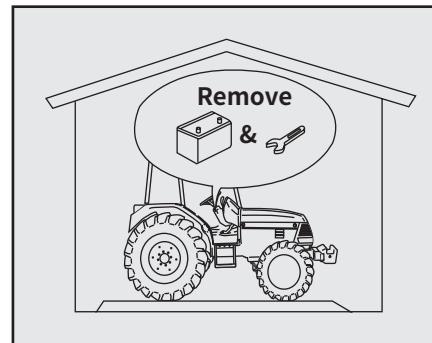
There is a risk that you may be entangled in the tractor or get injured.



LONG-TERM STORAGE



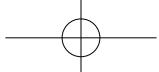
In particular, we recommend that the electrical cables and the rubber hoses, such as fuel hose, steering hoses and radiator hoses, be replaced every two years.



If the tractor is not used for a long time, store it in the following manner.

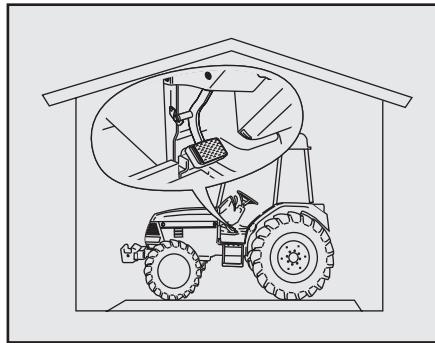
If you carry out maintenance during the off season, you can ensure optimum condition of the tractor as well as safe and comfortable working conditions during the busy season. Also, in order to secure the safety of each part of the tractor and to prevent an accident that may occur due to poor maintenance, arrange with your authorized dealer for periodic maintenance once a year.

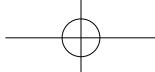
1. For long storage, put the main (ignition) key switch to “OFF”.
2. Select a dry and well-drained place for storage. Remove detach the weight & implement or put it down onto the ground.



9-4 Designed for your world

3. Fill up the fuel tank. Empty space in the fuel tank will produce dewdrops that will produce condensation that will be the cause of rust formation. And lock the fuel cock to "C". (Closed)
4. Disconnect the battery completely and store it away from the tractor in a well-ventilated, dry, dark place if possible. When the battery is attached to the tractor, make sure to connect the (+) terminal first.
5. Change the engine oil and run the engine to circulate oil throughout all the engine parts for about 5 minutes.
6. Drain the coolant from the radiator. After draining the coolant, attach a tag of "No coolant, do not start" to the steering wheel. If there is anti-freeze in the cooling system, it is not necessary to drain it.
7. Check the bolts and nuts for looseness, and tighten if necessary.
8. Add oil, fluid and fuel to each part according to the maintenance chart.
9. Apply a slight coat of grease or oil onto the tractor parts where is easy to be rust such as bare metal surface.
10. Inflate the tires to a pressure a little higher than usual.
11. Place chocks behind and in front of the rear wheels.
12. Store it in a dry indoor place to avoid rain or snow and cover the body.
13. Keep the clutch pedal in a depressed position to avoid rust on the clutch.
14. Put all controls into the neutral position.



**IMPORTANT**

- When cleaning the tractor, be sure to stop the engine. Allow sufficient time for the engine to cool before washing.
- Cover the tractor after the muffler and engine have cooled down completely.

WARNING

- Carry out maintenance on a flat and safe place where the tractor will not fall or move and there is no traffic danger. Also, block the front tires to prevent moving of the tractor. Otherwise, there is a risk of accident, such as overturning of the tractor.

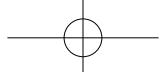
WARNING

- Carry out checking and maintenance for each part every year.
- In particular, replace the fuel hoses and the steering hoses every two years. Otherwise, there is a risk of accident or machinery breakdown due to poor maintenance.
- When carrying out checking or maintenance, make sure to stop the engine.
- Replace the covers that have been defected for checking or maintenance.
- Carry out checking or maintenance after heated parts, such as muffler, engine or transmission, have fully cooled down. Otherwise, there is a risk of getting burnt.

CAUTION

To avoid a personal injury,

- Never clean the tractor body while the engine is running.
- Never run the engine in an enclosed area without proper ventilation system in order to prevent poisoning by exhaust gas.
- When storing the tractor, remove the key from the switch and store it separately in order to prevent an unauthorized person from operating the tractor and being injured.



OPERATING TRACTOR AFTER LONG-TERM STORAGE

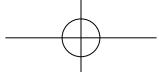
Keep the following instructions when operating the tractor after its long-term storage.

1. Perform the inspection procedures before operation.
2. Check the tire air pressure and inflate the tires if it is low.
3. Install a fully charged battery. Check that the battery is fully charged before installing it.
4. Check the fan belt tension.
5. Check all fluid levels. (Engine oil, transmission/hydraulic oil, and engine coolant)
6. Remove grease from the exposed cylinder rod.
7. Apply grease to the lubrication points.
8. Remove the cover from the exhaust pipe.
9. Get onto the tractor and start the engine. To prolong the life and to enhance the performance of the engine, idle the engine for about 30 minutes before starting work.

10. Start the engine, release the parking brake, and check the brake condition by depressing the brake pedal. Adjust the free play of the brake pedals if necessary.
11. Check if the instrument panel and all parts operate correctly while running the engine for a few minutes.
12. Drive the tractor outside and check if it is operating properly. Park the tractor outside and idle the engine for at least 5 minutes. Stop the engine and visually inspect the tractor. Check if there is leakage.
13. Stop the engine and check for leakage. Repair any part as required.

WARNING

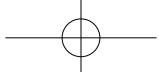
- When operating the tractor in an enclosed area, ventilate the area to release exhaust gas to the outside. Exhaust gas is colorless and not visible, but is harmful.



USAGE AND DISPOSAL

It is recommended to keep the following to protect the environment:

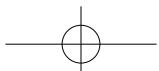
1. Overload on the machine shortens the product life and increases the harmful exhaust gas which causes air pollution due to the incomplete combustion.
2. When changing the fluid (engine oil, transmission/hydraulic oil, and engine coolant) by yourself, be careful not to spill it and dispose used oil and coolant properly according to the applicable regulations. Otherwise, it can pollute the ground and water.

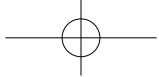


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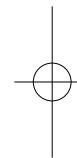
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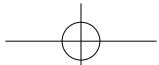
9. EMISSIONS CONTROL WARRANTY

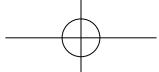
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EMISSIONS CONTROL WARRANTY

U.S. EPA EMISSIONS CONTROL WARRANTY STATEMENT

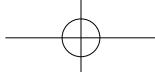
YOUR WARRANTY RIGHTS AND OBLIGATIONS

In accordance with 40 CFR Part 1039, TYM is pleased to explain the emission control system warranty on your engine. In the US, new engines must be designed, built and equipped to meet the stringent anti-smog standards. TYM must warrant the emission control system on your engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your engine. Additional conditions and responsibilities are further outlined below. Where a warrantable condition exists, TYM will repair your engine at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE:

TYM warrants to the original owner, and to each subsequent owner, of a new, diesel engine that the emission control system of your engine:

1. Was designed, built and equipped so as to conform at the time of sale with all applicable regulations.



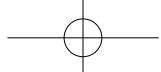
2. Is free from defects in material and workmanship which will cause such engine to fail to conform with applicable regulations for the following warranty period:

- for variable speed engines rated under 19 kW (25 HP): two (2) years or 1,500 hours of operation, whichever occurs first. In the absence of a device to measure hours of use, the engine shall be warranted for a period of two years.
- for constant speed engines rated under 37 kW (50 HP) with peak power rated at less than 3,000 RPM: five (5) years or 3,000 hours of operation, whichever occurs first. In the absence of a device to measure hours of use, the engine shall be warranted for a period of two years.
- for engines rated at or above 19 kW (25 HP): five (5) years or 3,000 hours of operation, whichever occurs first. In the absence of a device to measure hours of use, the engine shall be warranted for a period of five years.

The warranty period shall begin when the engine is placed into service.

OWNER'S WARRANTY RESPONSIBILITIES:

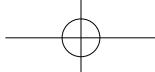
- This engine is designed to operate on diesel fuel only. Use of any other fuel may result in the engine no longer operating in compliance with EPA's applicable emissions requirements.
- The purchaser is responsible for initiating the warranty process. You must present the engine to a TYM dealer as soon as a problem exists.



- The use of any non-exempted add-on or modified parts shall be grounds for disallowing a warranty claim. TYM is not liable for failures of warranted parts caused by the use of a non-exempted add-on or modified part.
- The purchaser is responsible for the performance of all scheduled maintenance or repairs on this new TYM engine. TYM may deny a warranty claim if failure to perform maintenance results in the failure of a warranted part. Receipts covering the performance of regular maintenance should be retained in the event of questions arise concerning maintenance. The receipts should be transferred to each subsequent owner of the equipment with the emission warranted engines.

EMISSIONS WARRANTY EXCLUSIONS:

- Malfunctions in any part caused by misuse, abuse, improper adjustments, modifications, alteration, tampering, disconnection, improper or inadequate maintenance, or use of fuels not recommended for the engine as described in the Maintenance Manual.
- Damage resulting from accident, acts of nature or other events beyond the control of TYM.
- Loss of time, inconvenience, loss of use of equipment, engine or commercial loss.



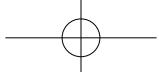
EMISSION PARTS COVERED UNDER WARRANTY:

The following is a list of emission control parts that are covered by the Limited Emission Control System Warranty. This warranty covers include any engine parts related to the following systems:

- Fuel Injection Pump
- Fuel Injectors
- Ignition system
- Intake Manifold
- Electronic control units (if equipped)
- Sensors (if equipped)
- Exhaust Manifold
- Positive Crankcase Ventilation system parts (including PCV Valve and Oil Filler Cap)
- Turbocharger (if equipped)
- Charge air cooling system (if equipped)
- Smoke puff limiter (if equipped)
- EGR (if equipped)
- Air-induction system (e.g., intake and exhaust manifolds).
- Aftertreatment devices, if equipped (e.g., Diesel Particulate Filter [DPF], Diesel Oxidation Catalyst [DOC]).

Miscellaneous hoses, clamps, connectors and sealing gaskets or devices used in the above systems.

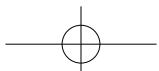
Emission-related components also include any other part whose only purpose is to reduce emissions or whose failure will increase emissions without significantly degrading engine/equipment performance.

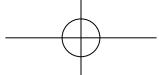


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T4058P (U, CU)

OPERATOR'S MANUAL FOR TYM TRACTORS

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