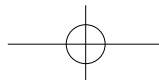
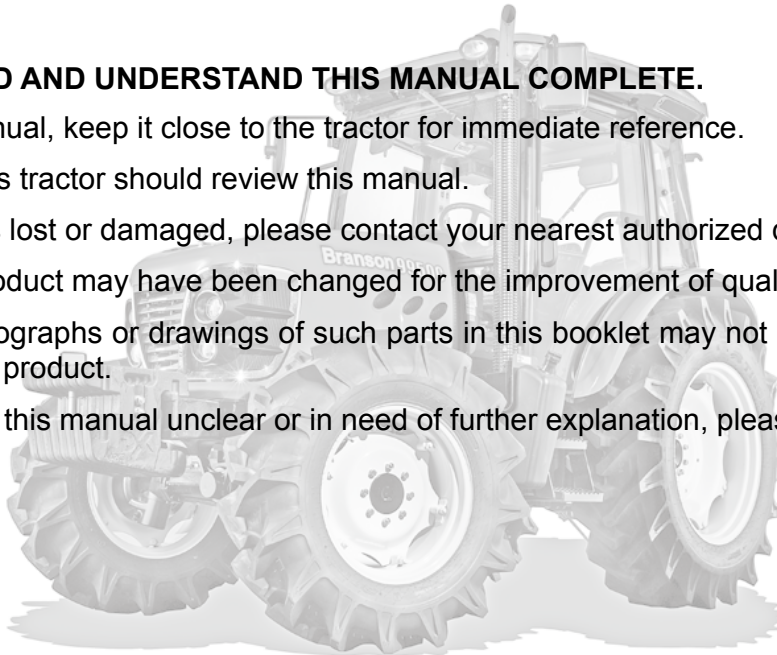


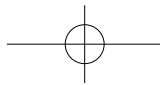
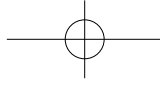
PREFACE

THANK YOU FOR PURCHASING A BRANSON 9550C TRACTOR.

► BEFORE USE, READ AND UNDERSTAND THIS MANUAL COMPLETE.

1. After reading this manual, keep it close to the tractor for immediate reference.
2. Any one operating this tractor should review this manual.
3. In case this manual is lost or damaged, please contact your nearest authorized dealer for a copy.
4. Some parts of this product may have been changed for the improvement of quality or for safety reason.
5. In this case, the photographs or drawings of such parts in this booklet may not be the same as the actual parts installed on this product.
6. If you find anything in this manual unclear or in need of further explanation, please contact your authorized dealer for inquiry.





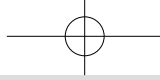
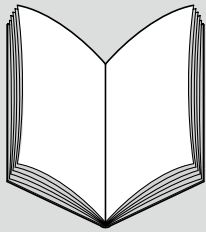
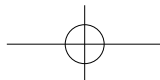


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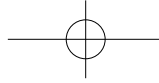
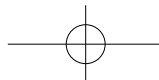


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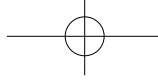
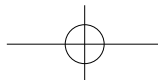


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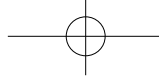
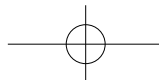


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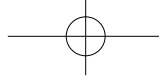
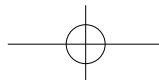


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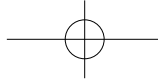
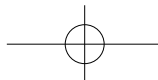
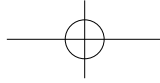


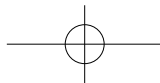
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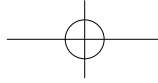
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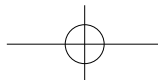


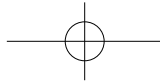


SAFETY AND VEHICLE DAMAGE WARNING

The instructions given with the following marks are very important for your safety.

 DANGER	Failure to observe the instruction given with this mark may result in death or injury.
 WARNING	Failure to observe the instruction given with this mark may expose you to the risk of death or injury.
 CAUTION	Failure to observe the instruction given with this mark may expose you to injury. • The section, “ To Ensure Safe Operation,” on the following pages details safety points to be observed to ensure safe operation of your tractor. • Please make sure you read it carefully before operating the tractor.
NOTE	This instruction is to give additional description to operator so that he/she can operate the machine more effectively.
 IMPORTANT	Read this Manual for correct and safe use of the product. Failure to use the product properly may result in an accident. Keep this Manual close to the tractor after you have read it.

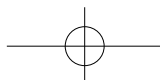


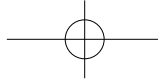


SYMBOL MARKS OF CONTROLLER

This manual includes symbol marks of controller to ease tractor's maneuverability and maintenance. These meanings are as below, so carefully read it for a proper function.

	PTO		Rotating/raising Indicator Lamp (N/A)		Air Flow Sensor
	4WD		Back-Up		Preheat
	Parking Brake		Auto PTO		Engine Oil Pressure Lamp
	Lift Up		Operation		Battery Charging Lamp
	Water Separator		Constant Speed Indicator Lamp (N/A)		Brake Pedal Connection
	Towing Power		High Speed Indicator Lamp (N/A)		
	Horizontal control		Fuel Empty		
	Slow Indicator Lamp (N/A)		Direction Lamp (LH)		
R	Reverse		Direction Lamp (RH)		
F	Forward		High Beam		
N	Neutral		Low Beam		



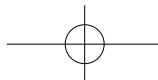


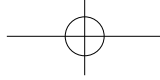
"USE AND DISPOSAL" POLICY CONCERNED WITH ENVIRONMENT PRESERVATION

We try our best to preserve the environment, 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 "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.

Here we introduce "Use and Disposal" policy concerned with environment preservation as follows.

1. Please read the operator's manual though for global environment protection and avoid overload job. 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 seriously. Please contact our 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 machinery legally.

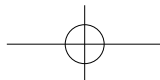




1. GENERAL PRECAUTIONS

1

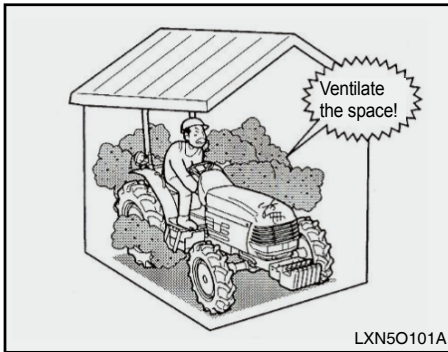
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1-2 BRANSON 9550C

TO ENSURE SAFE OPERATION BEFORE USING THE MACHINE

Make sure to observe the instruction given in this section to avoid equipment failure or personal injury or death.



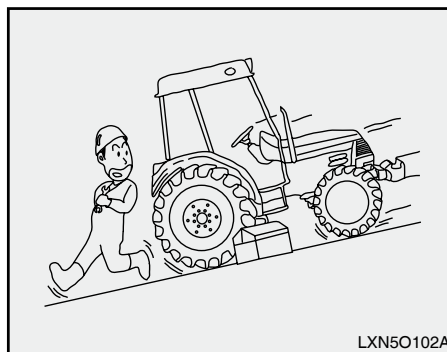
⚠ WARNING

Beware of exhaust gas;

- Start engine in a well ventilated area.

[Otherwise]

The exhaust gas can cause intoxication and lead to fatal consequences.



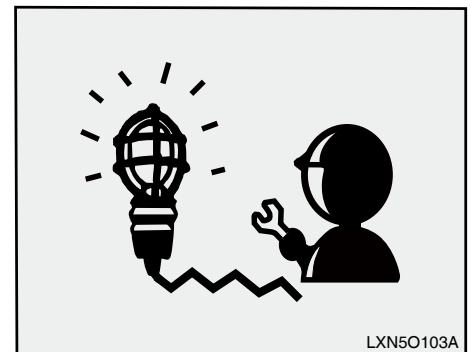
⚠ WARNING

Maintenance on a flat and safe place:

- Select a flat and safe location to secure the tractor in place and will not cause a risk to people passing by. Before carrying out the maintenance. Block the front and rear tires to prevent moving while servicing tracks.

[Otherwise]

An unexpected accident may occur, such as overturning of the tractor.



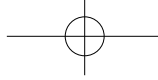
⚠ WARNING

Carry out maintenance in a well-lit place:

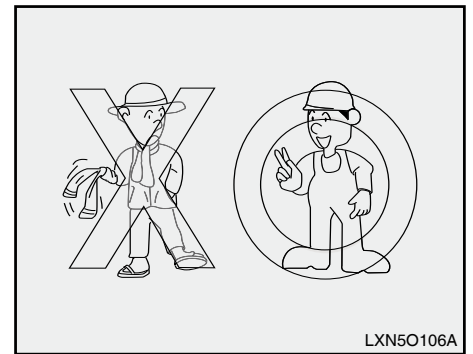
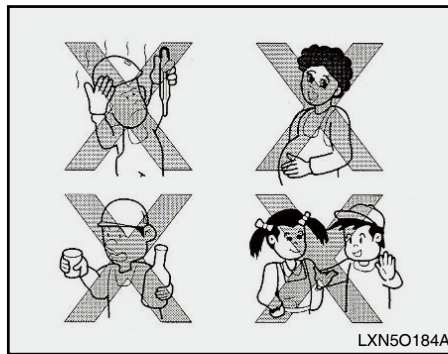
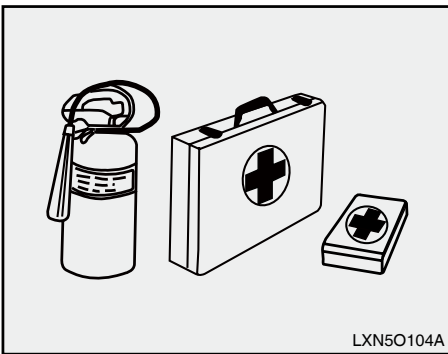
- Make sure work area is properly lighted.
- Use safety work lights with protection covering.

[Otherwise]

An unexpected accident may occur, possibly fire or explosion.



GENERAL PRECAUTIONS 1-3



! WARNING

Prepare for emergencies:

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

! WARNING

Do not drive if you are:

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

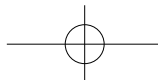
! WARNING

Wear the appropriate clothing when operating equipment

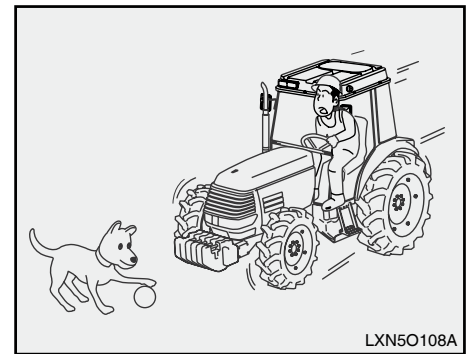
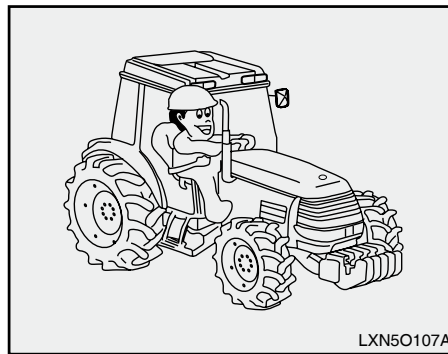
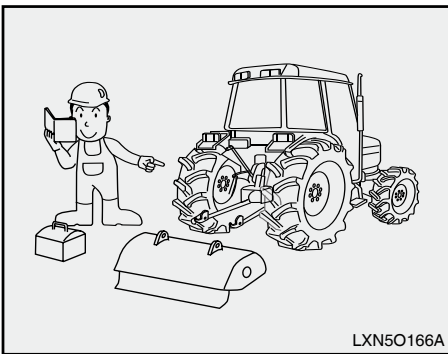
- Do not wear loose fitting clothes.
- Do wear proper foot wear with anti-slip soles, safety helmet and protective comfortable clothes to allow freedom of movement.

[Otherwise]

You will be exposed to a risk of being entangled with equipment resulting in injury.



1-4 BRANSON 9550C



⚠ WARNING

Use only recommended implements:

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

[Otherwise]

An unexpected accident may occur or tractor may not perform properly.

⚠ WARNING

Fasten your seat belt at all times.

- Keep your seat belt fastened at all times while operating tractor.

[Otherwise]

You will be exposed to a risk of death or serious injury if the tractor overturns.

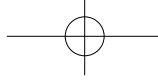
⚠ WARNING

Check the safety of the tractor and start to move slowly:

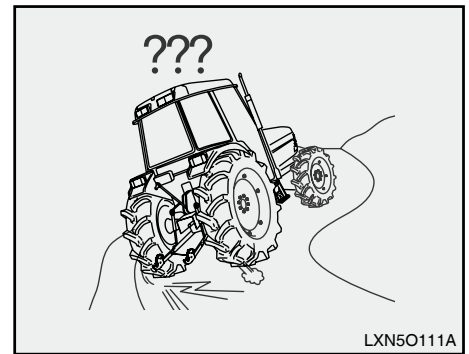
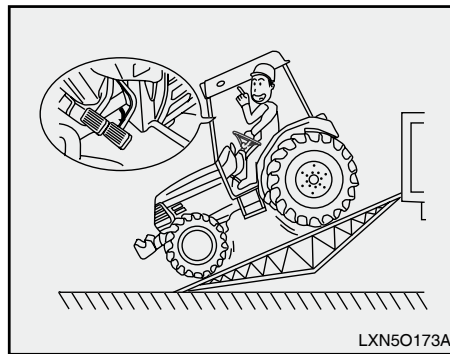
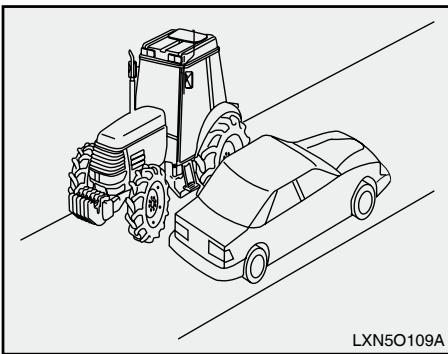
- Only operate tractor while people or animals are at safe distance away.
- Check around the tractor, start the engine, and move slowly.

[Otherwise]

There is a risk of injury.



GENERAL PRECAUTIONS 1-5



⚠ 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.

[Otherwise]

There is a risk of falling over.

⚠ WARNING

Connect the break pedals when driving on a road:

- Make sure to connect the brake pedals when driving on a road.

[Otherwise]

There is a danger of abrupt turning or overturning due to one-sided braking when the brake pedal is depressed.

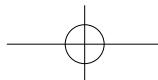
⚠ WARNING

Avoid braking, or turning at excessive Speed:

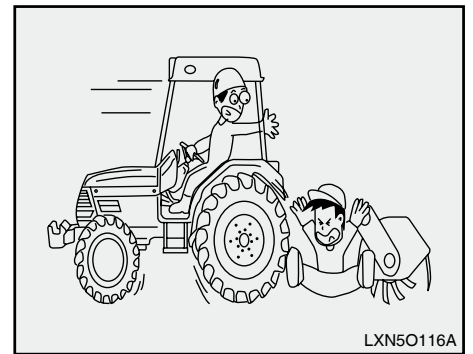
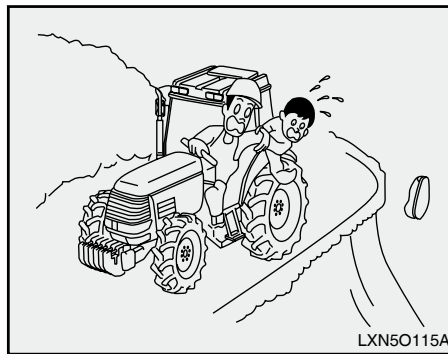
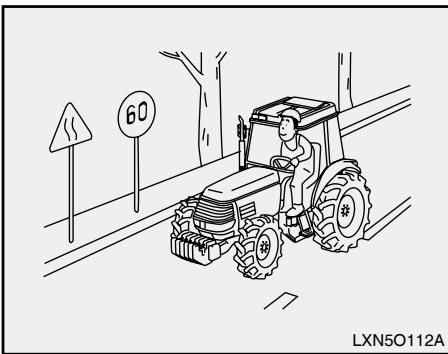
- Reduce throttle speed when making a turn, apply brake when driving on a hilly or curved roads.

[Otherwise]

There is a risk of overturning.



1-6 BRANSON 9550C



⚠ WARNING

Observe traffic regulations and drive safely:

- When driving on the road, observe the traffic regulations and wear a helmet.

[Otherwise]

There is a danger of accident or injury.

⚠ 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, children).

[Otherwise]

An unexpected accident may occur.

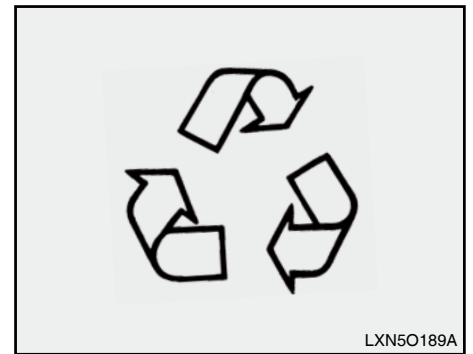
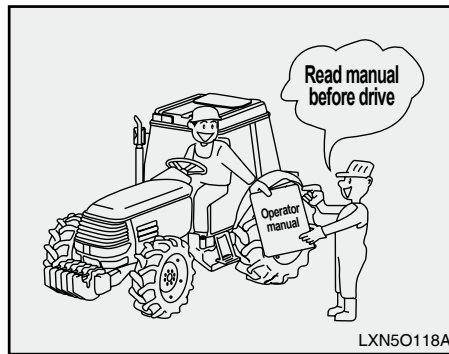
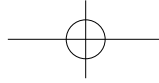
⚠ WARNING

Donot 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 allowed around the tractor or between the implement or attachment and the tractor.

[Otherwise]

There is a danger of accident or injury.



⚠ WARNING

Keep children away from the tractor:

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

[Otherwise]
There is a risk of injury.

⚠ WARNING

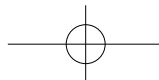
Properly train anyone operating:

- Before allowing other people to use your tractor, explain how to operate and have them read this manual.

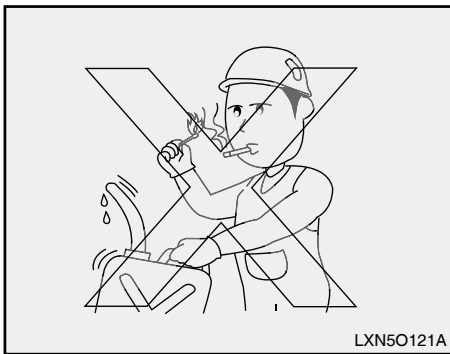
[Otherwise]
There is a danger of death, serious injury, or damage to the tractor.

Treatment of hazardous materials

- Properly discard hazardous materials.
- Hazardous materials from tractor are the following: Coolant, brake oil, oil, filter elements, battery and so on.
- When draining fuel, oil or other liquids, use a container without holes. Do not dispose of chemicals on the ground or in rivers or waterways



1-8 BRANSON 9550C

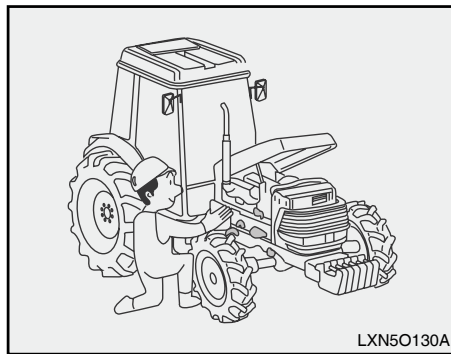


⚠ DANGER

No smoking or open flame when fueling:

- Absolutely no lit cigarettes, matches, or lighters anywhere near when fueling the tank.

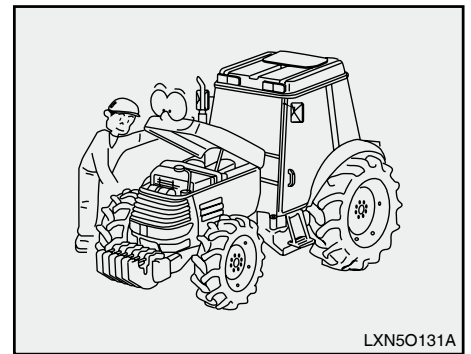
[Otherwise]
Fire or explosion may occur.



⚠ WARNING

- Every day before operating the tractor, check for straws, dust, fuel, or other residue on and around the muffler and the engine and remove them.

[Otherwise]
It may result in a fire.

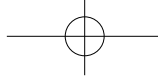


⚠ WARNING

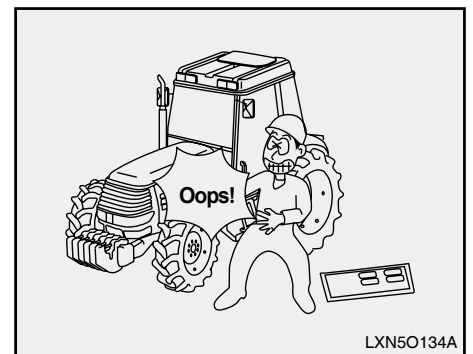
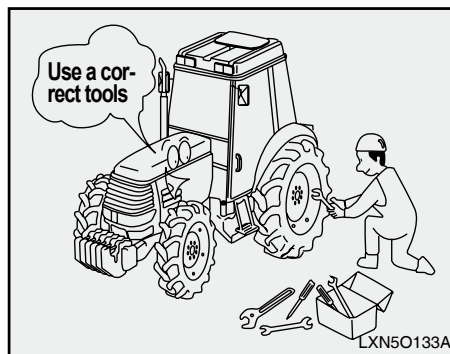
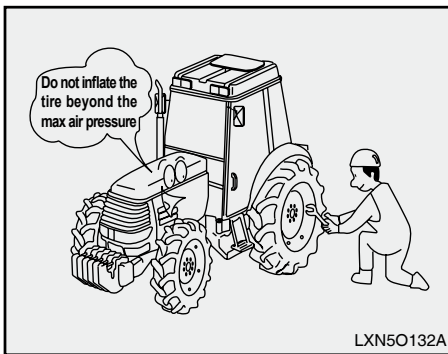
Frequency inspects the electrical parts and wiring:

- Inspect electrical wiring contact insulation to avoid shorting or spark.

[Otherwise]
There is a risk of fire due to short circuit.



GENERAL PRECAUTIONS 1-9



⚠ CAUTION

Do not over inflate tires:

- When filling tires with air, do not inflate it beyond the maximum pressure stated in this booklet.

[Otherwise]

The tire may blow out, causing an injury.

⚠ CAUTION

Use correct tools:

- Use proper tools to carry out all maintenance procedure.

[Otherwise]

There is a danger of accident due to poor maintenance.

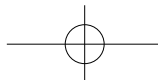
⚠ CAUTION

Secure hood and side covers before operate tractor:

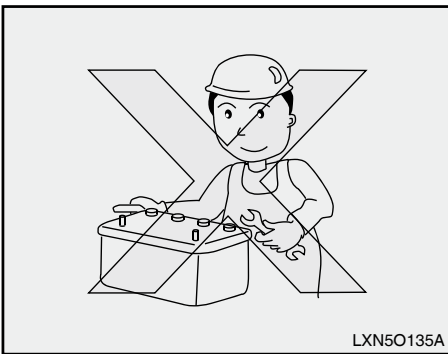
- After opening the hood for checking or maintenance, make sure to put them in their place.

[Otherwise]

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



1-10 BRANSON 9550C



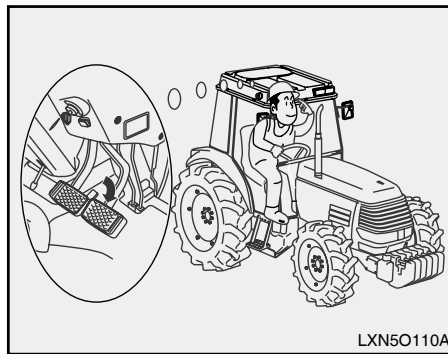
⚠ CAUTION

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.

[Otherwise]

There is a risk of burn or fire due to short circuit.



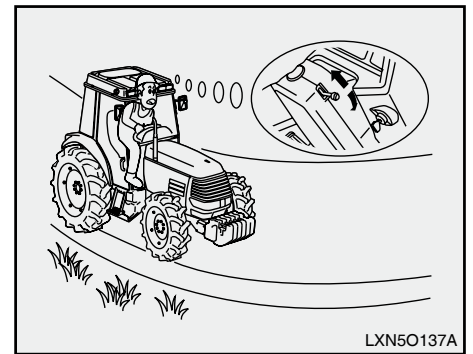
⚠ WARNING

Connect dual brake pedal before moving tractor:

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

[Otherwise]

There is a risk of accident.



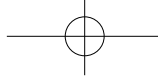
⚠ WARNING

Lock steering tilt before moving tractor:

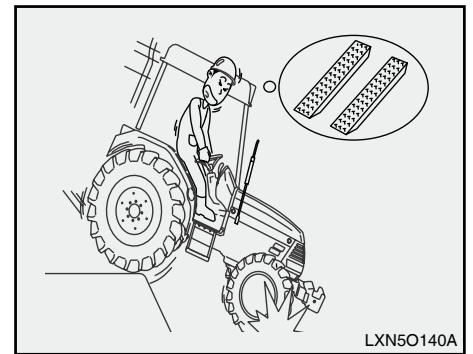
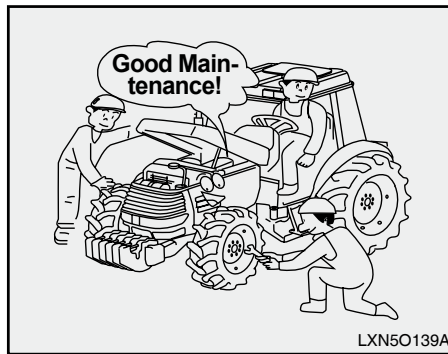
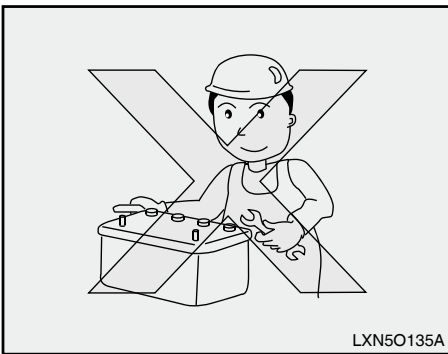
- Except when you adjust the steering wheel, make sure that the tilt lever is placed in the <Lock> position.

[Otherwise]

The tractor may not turn to the direction you want and may cause an accident.



WHILE WORKING



⚠ 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 you come in contact with the battery solution, rinse it off with water immediately.

[Otherwise]

You may get burnt or your clothes may be damaged.

⚠ WARNING

- Perform periodic maintenance, keep each part of the tractor in normal condition.
- Make sure to replace all hydraulic hoses and brake hoses once every two years.

[Otherwise]

There is danger of accident or equipment failure due to poor maintenance.

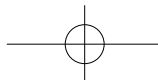
⚠ WARNING

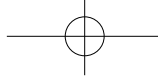
Use the loading ramps when crossing a ditch or a dike:

- 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.

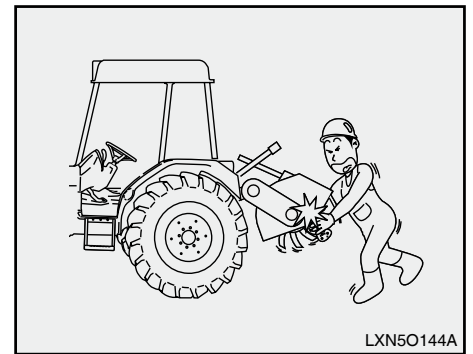
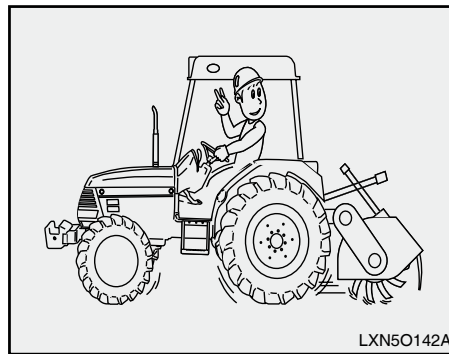
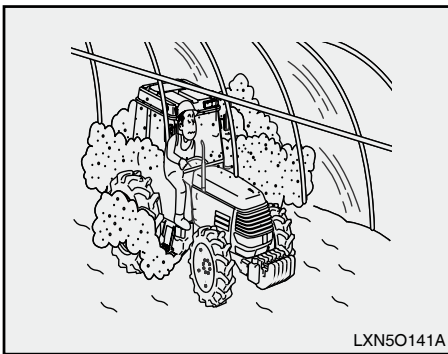
[Otherwise]

There is a risk of accident that the tractor may slip or turn over.





1-12 BRANSON 9550C



WARNING

Properly ventilate when working in a green house:

- Ventilate the area to let out the exhaust gas.

[Otherwise]

The exhaust gas can cause intoxication and lead to fatal consequences.

WARNING

- Pay attention and keep hands on the steering wheel while driving.

[Otherwise]

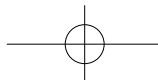
There is a risk of accident to injury.

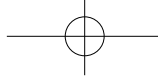
WARNING

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

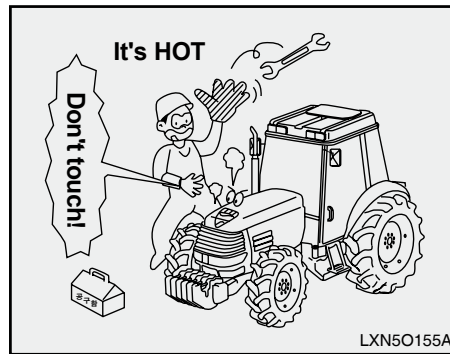
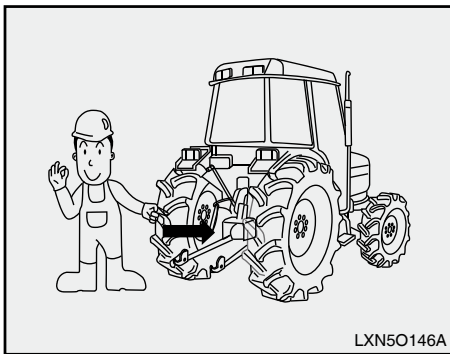
[Otherwise]

There is a danger that you will get entangled in the cultivator or sustain a serious injury.





AFTER USING THE MACHINE



⚠ CAUTION

Cover the PTO shaft when not in use.
When the PTO shaft is not in use, apply grease to it and keep it covered.
[Otherwise]
There is a risk that you may get entangled or get injured.

⚠ CAUTION

- During operation and right after the engine is turned off, the muffler is very hot. Avoid touching it, as you may get burnt.

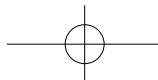
[Otherwise]
There is a risk of getting burnt.

⚠ CAUTION

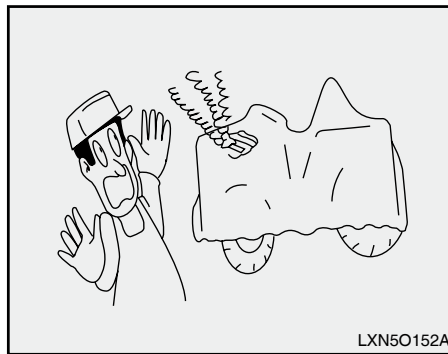
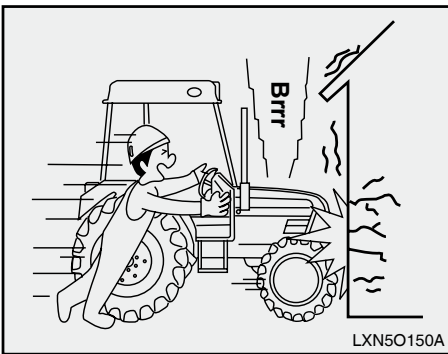
Be careful of high oil pressure:

- 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.

[Otherwise]
The oil under high pressure may cause damage to the skin or injury.



1-14 BRANSON 9550C



⚠ WARNING

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

- When starting the engine, make sure that you are seated in the driver's seat with your seat belt fastened and the safety inspection has been performed.

[Otherwise]

An unexpected accident may occur.

⚠ DANGER

Put tractor cover on only after tractor has cooled down:

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

[Otherwise]

There is a risk of fire.

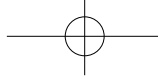
⚠ DANGER

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

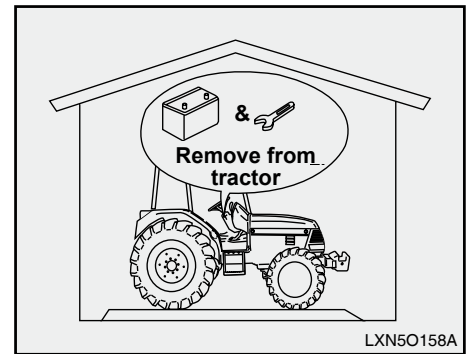
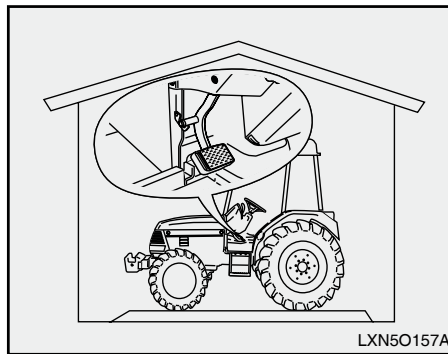
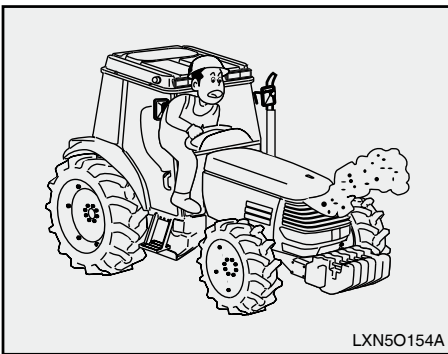
- Never open the radiator cap when the radiator is heated.

[Otherwise]

Hot water may splash, causing burns or damage.



PRECAUTION FOR PROLONGED STORAGE



⚠ WARNING

- Every day before operating the tractor, check if the electrical wiring is contact with other parts, or if the insulation is peeling off, or the contact points are loose.

[Otherwise]

There is a danger of fire due to short circuit.

⚠ CAUTION

Disconnect 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 "Disconnect" position.

[Otherwise]

The tractor may move and cause injury or an accident.

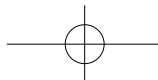
⚠ WARNING

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

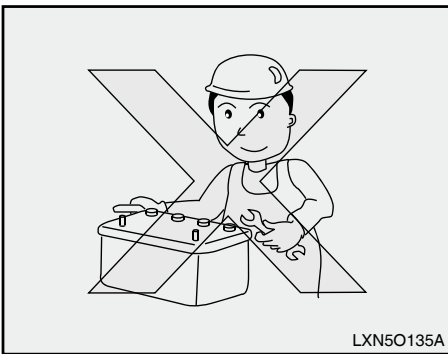
- When storing the tractor without use for a long period of time, remove the battery and keep the key in a safe place.

[Otherwise]

There is a risk of an accident.



1-16 BRANSON 9550C



⚠ CAUTION

Be sure to connect battery cable on the right side and sequence:

- When connecting battery to tractor, connect + terminal first then – terminal but when disconnecting battery from tractor disconnect – terminal first then + terminal

[Otherwise]
There is a risk of fire or injury

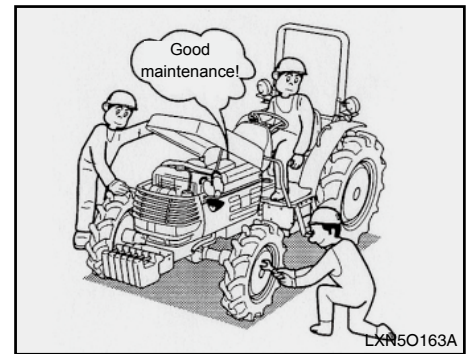


⚠ WARNING

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

- When starting the engine, confirm that the position lever is on “Lowest” and that the auto rotary lever is on “Release”.

[Otherwise]
Implement may come down suddenly and cause an injury.

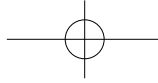


⚠ CAUTION

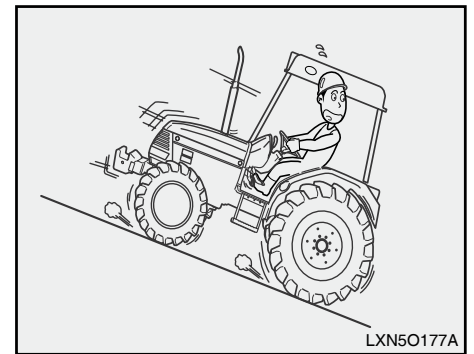
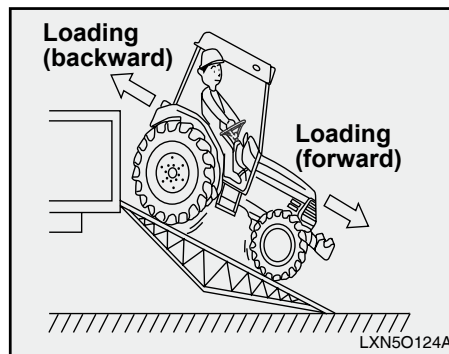
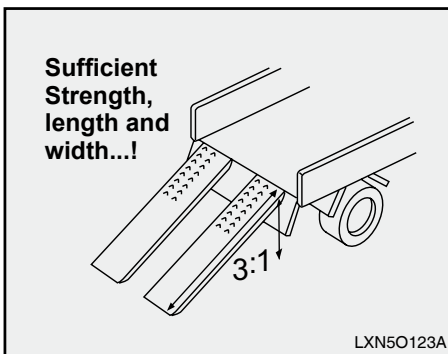
Maintenance periodically:

- After using tractor, visit your local dealer for maintenance, such as oil change and filters.

[Otherwise]
There is a risk of accident due to poor maintenance.



PRECAUTIONS IN INCLINED AREA



⚠ WARNING

Use loading ramps with proper slope & loading capacity:

- 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.

[Otherwise]

The tractor may roll backward 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.

[Otherwise]

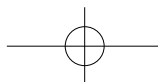
The tractor may roll backward or fall off causing accident or injury.

⚠ WARNING

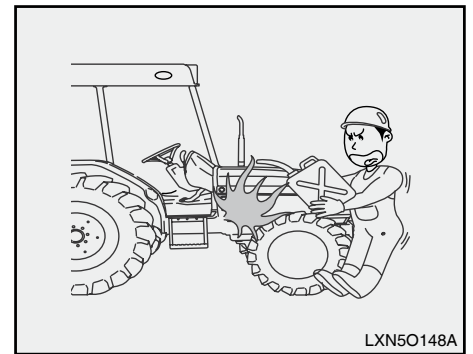
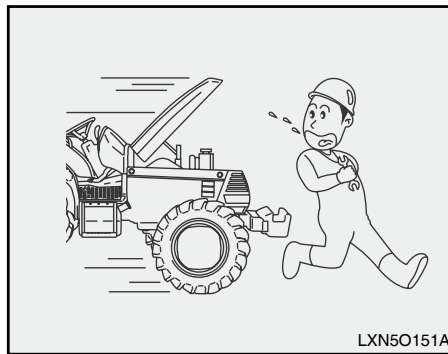
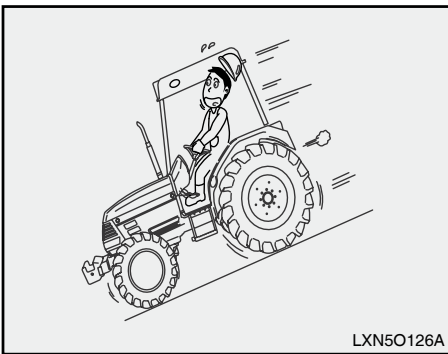
- Be careful when driving on the loading ramps.

[Otherwise]

The tractor may roll backwards or fall causing accident or injury.



MAINTENANCE BEFORE OPERATING



⚠ WARNING

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

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

[Otherwise]

There is a risk of slipping, rolling, or overturning.

⚠ CAUTION

Stop the engine before maintenance:

- Turn engine off before performing any maintenance on tractor.

[Otherwise]

There is a risk of injury.

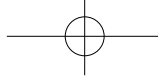
⚠ DANGER

Fill the fuel tank only after the engine has cooled:

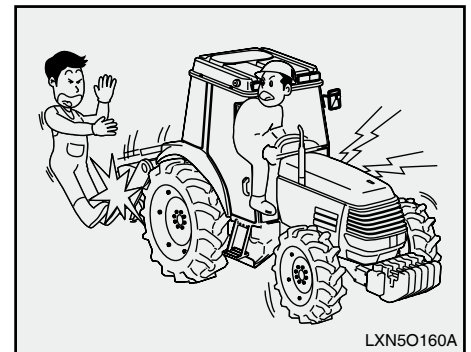
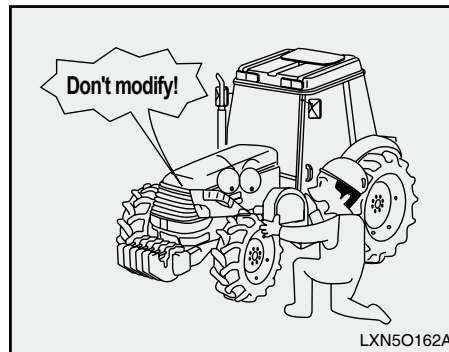
- Never add the fuel while the engine is running or hot.

[Otherwise]

The fuel may ignite and result in fire.



OTHERS



DANGER

Use caution when checking the battery:

- Avoid fire when checking or charging the battery.

[Otherwise]

You may get burnt due to ignition or explosion of the battery.

CAUTION

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

[Otherwise]

There is a danger of accident or injury or equipment failure. Please remember that the failure due to modification may not be covered by warranty.

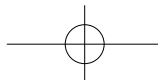
WARNING

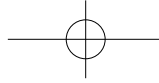
Pay attention when turning with implement.

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

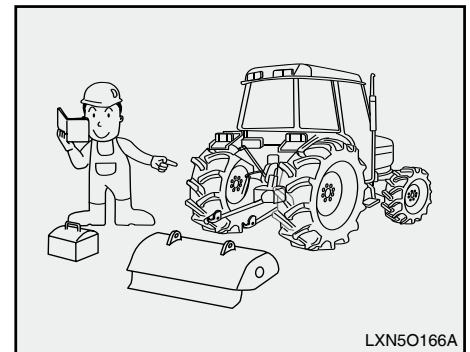
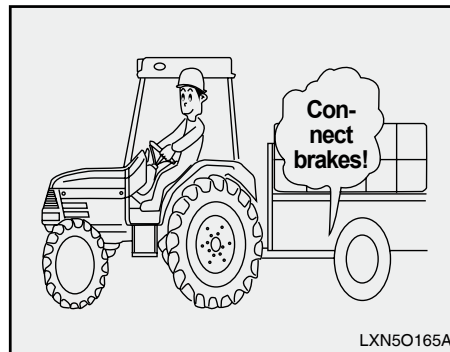
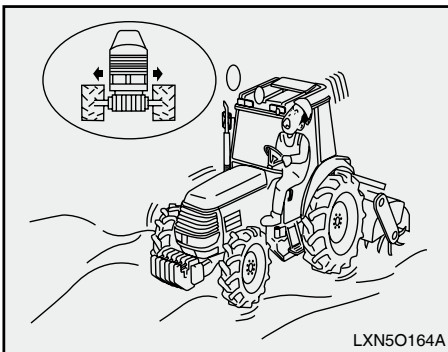
[Otherwise]

There is a risk of person injury or a collision of the implement.





1-20 BRANSON 9550C



⚠ WARNING

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

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

[Otherwise]

There is a risk of slipping, rolling, or overturning.

⚠ CAUTION

Stop the engine before maintenance:

- Turn engine off before performing any maintenance on tractor.

[Otherwise]

There is a risk of injury.

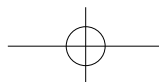
⚠ WARNING

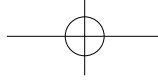
Follow the instruction manual when engaging an implement:

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

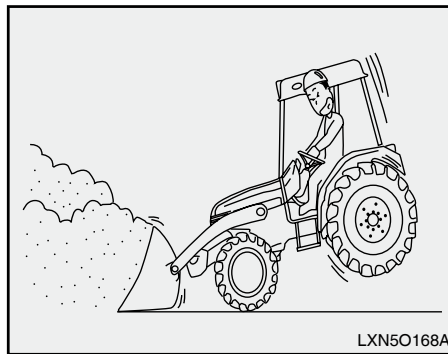
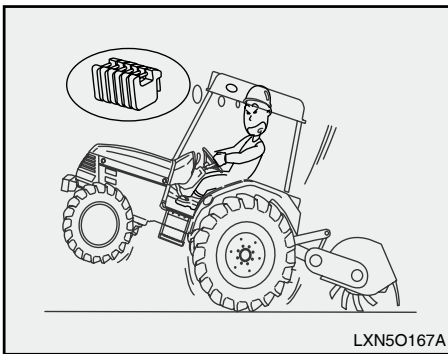
[Otherwise]

There is a risk of personal injury or damage to the tractor.





GENERAL PRECAUTIONS 1-21



⚠ WARNING

Balance a heavy implement with weights:

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

[Otherwise]

There is a danger of accident or injury due to loss of balance.

⚠ WARNING

Pay attention to the balance between the front and rear side during loader operation:

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

[Otherwise]

There is a risk of overturning accident due to loss of balance.

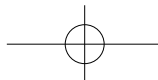
⚠ WARNING

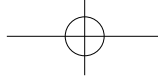
Do not put hands or feet under or near implement:

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

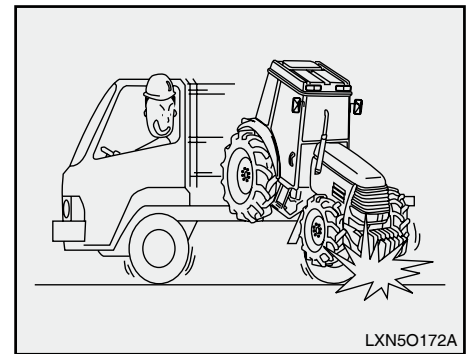
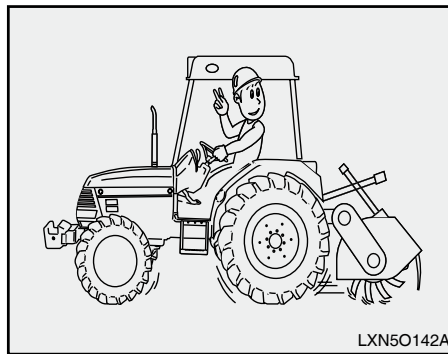
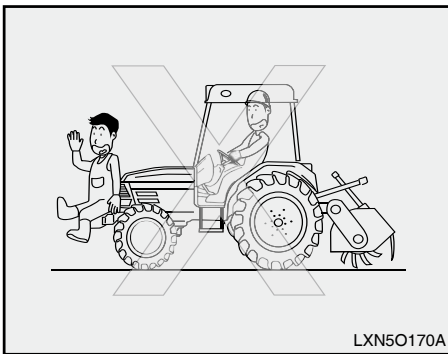
[Otherwise]

The implement unit may fall down and there is a risk of injury.





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⚠ WARNING

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

- Do not use a person on anything else in place of the balance weight. Use only recommended balance weight for the work.

[Otherwise]

There is a danger of accident or injury.

⚠ WARNING

Be careful of unexpected movement when using a the rotary:

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

[Otherwise]

There is a risk of accident or injury.

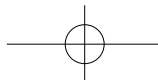
⚠ WARNING

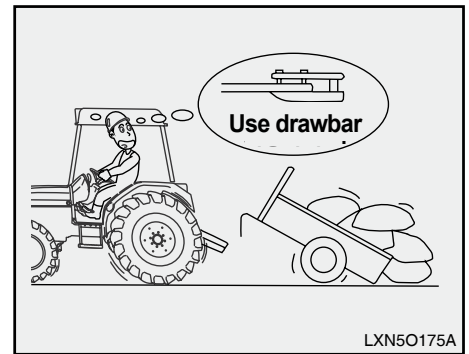
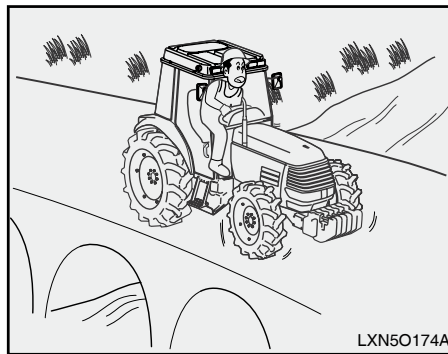
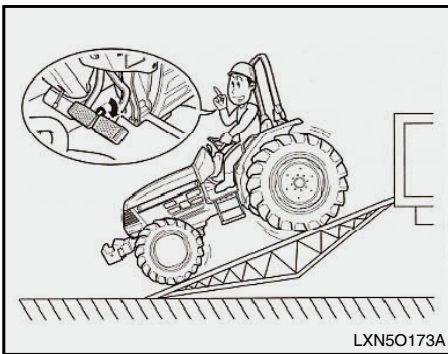
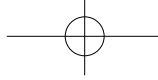
Properly secure tractor during transports:

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

[Otherwise]

There is a risk of accident that the tractor may fall off the truck.





DANGER

- Make sure to connect the brakes on both sides when loading or unloading the tractor.

[Otherwise]

The tractor may overturn due to one-sided braking when the brake pedal is depressed in an emergency.

WARNING

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

[Otherwise]

The tractor may not turn to the direction you want and cause an accident and damage the tractor.

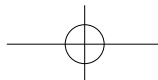
WARNING

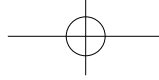
Use the drawbar when towing:

- Make sure to use the drawbar when towing. Never tow anything with the top link or the lower link.

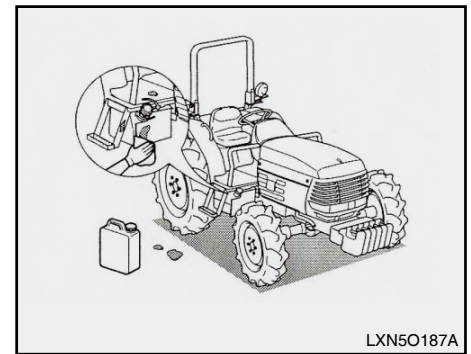
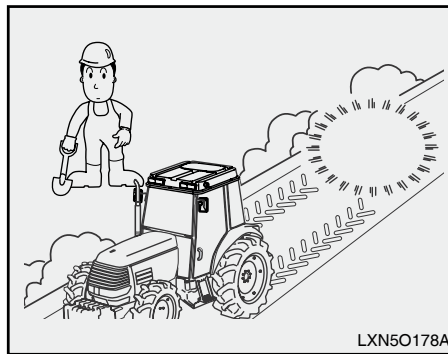
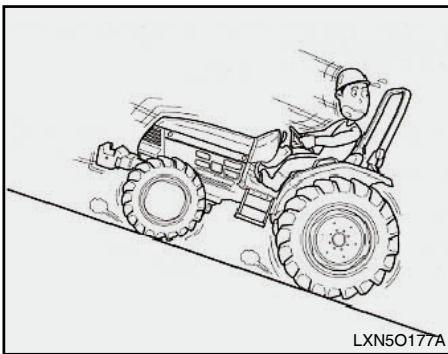
[Otherwise]

Tractor may turn over.





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⚠ WARNING

Pay special attention when on a slope or loading ramps:

- Pay special attention to driving on a slope or the loading ramps.

[Otherwise]

There is a risk of accident that the tractor may slip, roll, or overturn.

⚠ WARNING

Turn off engine in a flat area when leaving the tractor:

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

[Otherwise]

The tractor may move and cause an accident.

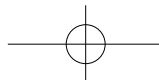
⚠ DANGER

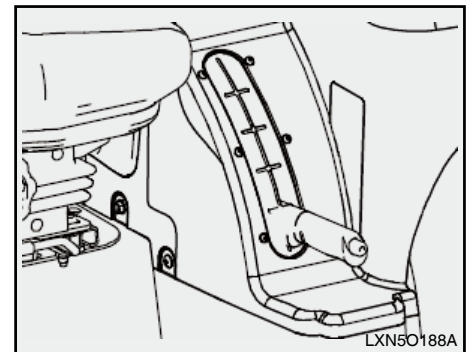
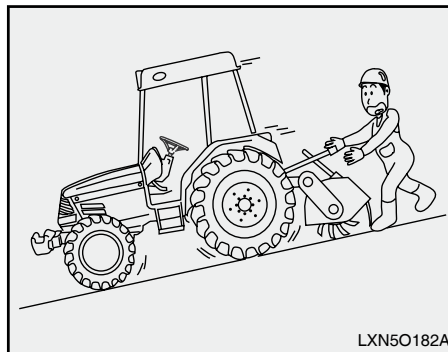
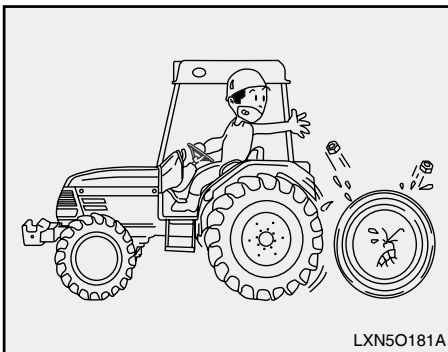
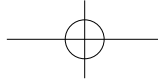
Remove spilled excess fuel before starting engine:

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

[Otherwise]

It may result in a fire accident or environmental pollution.





⚠ WARNING

Be aware of the PTO RPM requirements for the implements:

- Do not use a low-revolution implement at high revolution. Be sure to the designated PTO requirements for the implements.

[Otherwise]

The performance of the implement may not properly work and there is a risk of accident or injury or damage to the tractor.

⚠ 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]

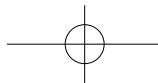
There is a danger of accident.

⚠ WARNING

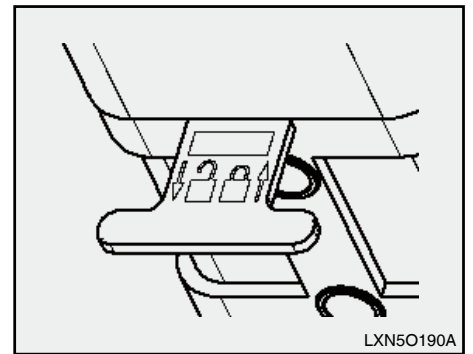
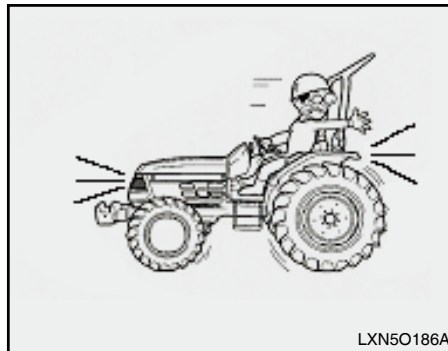
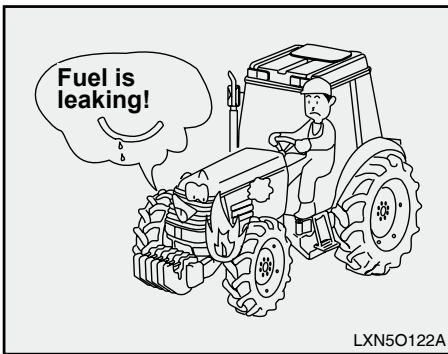
- Engage the parking brake during warm of engine.

[Otherwise]

The tractor may move and cause an accident or injury.



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⚠ DANGER

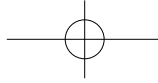
- If fuel pipe is damaged, fuel will leak. Make sure that you check for any leakage.
[Otherwise]
There is a danger of fire.

⚠ WARNING

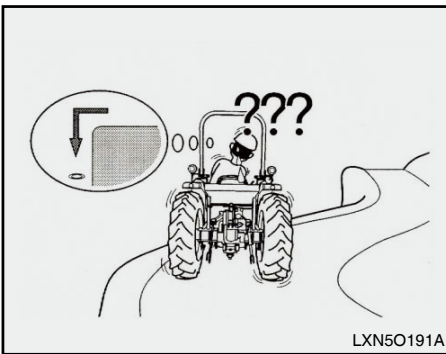
- Check carefully that the various safety lamps such as direction indication lamp works well before driving the tractor
[Otherwise]
Because signal cannot be send to nearby workers, agricultural equipment, automobiles, etc. It may result in a cause of accident.

⚠ WARNING

- Check and perform maintenance to loader after lifting it. And fix the joystick safety lever when dismantling .
[Otherwise]
There is a danger of an unexpected death accident.



GENERAL PRECAUTIONS 1-27

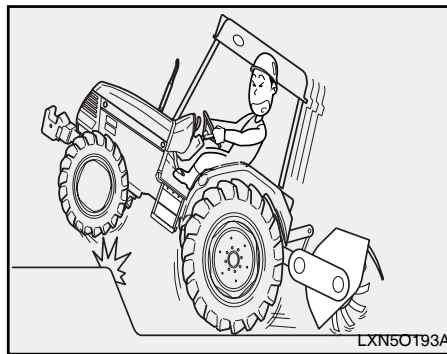


⚠ WARNING

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

[Otherwise]

There is a risk of overturning.

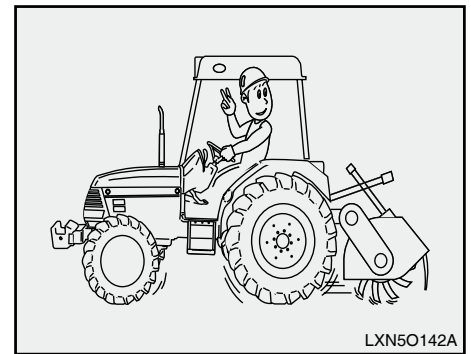


⚠ WARNING

- Do not look away or take hands off the steering wheel while driving.

[Otherwise]

There is a danger of accident or injury.

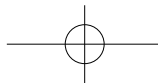


⚠ WARNING

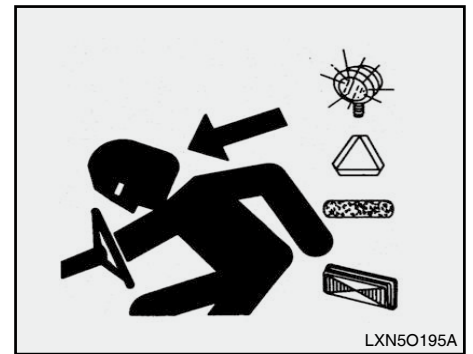
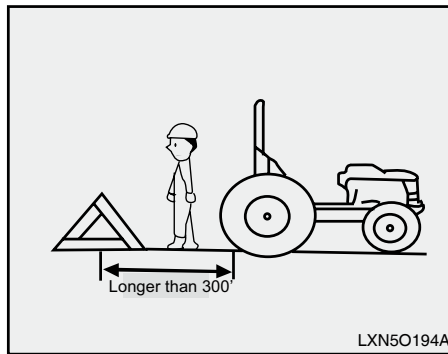
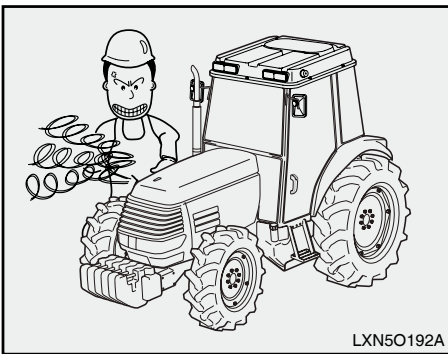
- When entering or leaving the farming field, or moving across a dike or a raised ground, use the loading ramp and lower the implement as much as possible and so that it does not touch the ground.

[Otherwise]

There is a danger that the tractor may turn over due to loss of balance.



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⚠ WARNING

- Every day before operating the tractor, check for straw, dust fuel, or other residue on and around the muffler and the engine and remove them.

[Otherwise]

There is a danger of fire.

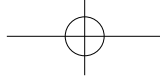
⚠ WARNING

- Install the indication of disable car in accordance with the local regulation when a failure occurs during travelling at the 300' rear place from the tractor.

[Otherwise]

It may cause a danger of rear-end accident.

1. When the tractor has an implement attached or is moving slowly, you must often watch the rear side traffic status to avoid a collision accident when travelling on the road. In particular, be careful when you change directions. If necessary, the signal must be given by hand or direction indication lamp must be used.

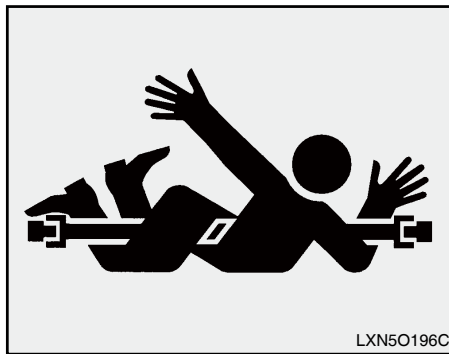


2. Always turn on the head light, and/or emergency lamp at night and day as requested by the local traffic regulation.
3. Maintain the light and indication plate so it can be visible always. Immediately repair or attach the broken or missed light and indicating plates.



CAUTION

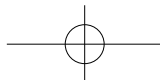
- Item regarding lighting devices. (alarm lamp and safety device)



1. Entanglement in rotating driveline can cause serious injury or death.
2. Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.
3. Understand service procedure before doing work. Keep area clean and dry.
4. Never lubricate, service, or adjust machine while it is moving. Keep

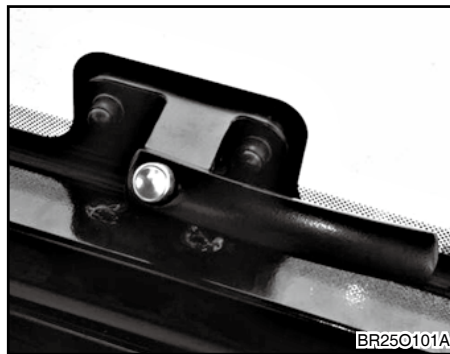


- hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.
5. Securely support any machine elements that must be raised for service work.



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6. Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.
7. On self-propelled equipment, disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.
8. On towed implements, disconnect wiring harnesses from tractor before servicing electrical system components or welding on machine.



► LOCATION AND METHOD OF OPENING OF EMERGENCY EXITS

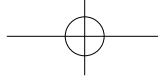
Removable rear cab window provides a large exit path if the cab door is blocked in an emergency situation.

The following items, maintenance and adjustment should not be attempted, but contact the nearest authorized dealer, if necessary.

1. Adjustment of engine injection pump
Adjustment of injection pump without preapproval may cause to deteriorate the durability and performance of the engine and may cause a fatal malfunction.
2. Adjustment of hydraulic pressure
Adjustment of hydraulic pressure set at shipment may cause a fatal failure of related components and a subsequent accident.
3. If you intend to adjust the components that may deteriorate durability and performance, always contact your nearest authorized dealer or service department of the head office.

[Otherwise]

Be careful it may cause a fatal error or may not be covered by the warranty.



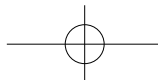
GENERAL PRECAUTIONS 1-31

Use agricultural chemicals in a safe manner.

1. Agricultural chemicals must be sprayed properly.
2. Spraying of agricultural chemicals must be noticed in advanced and damage to surroundings.
3. Do wear the protective clothing(mask, glove) for agricultural chemicals before spray work.
4. Clean the equipment and tractor just after spraying work.

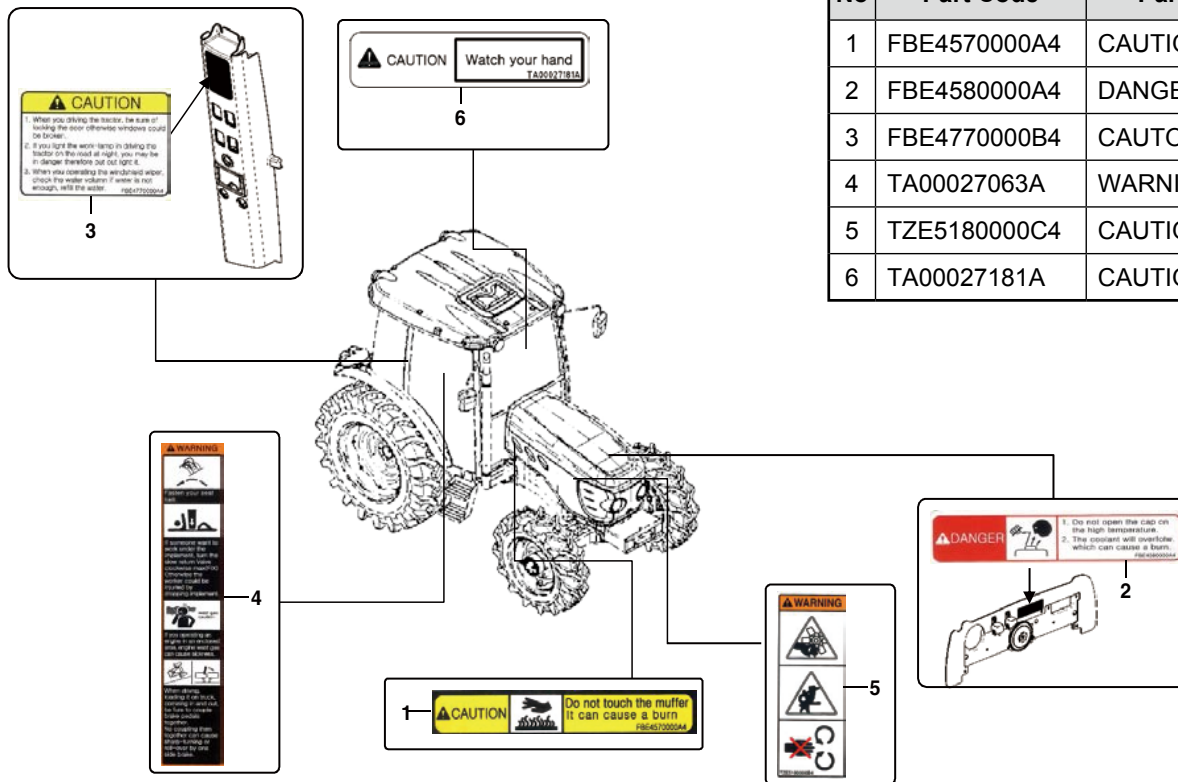
[Otherwise]

You may be exposed to agricultural chemicals by wind.

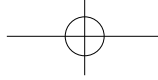


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OVERVIEW OF SAFETY DECAL



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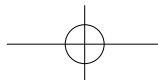


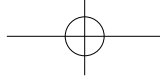
1-34 BRANSON 9550C

Safety decals are provided to ensure safe operation.

Keep the safety decals clean at all times and protect them from damage.

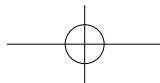
In case of loss or damage, replace with a new decal.





2. ABOUT WARRANTY

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TROUBLE SHOOTING	2-2



2-2 BRANSON 9550C

WARRANTY

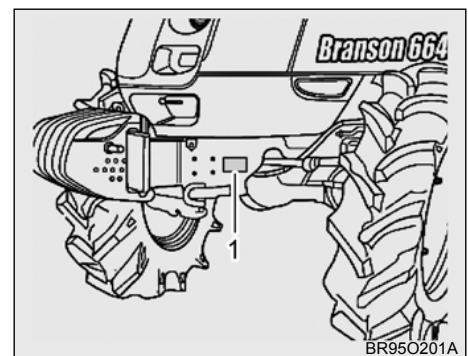
You will need the “Warranty paper work” when your tractor requires warranty service. Read it and keep in a safe place.

TROUBLE SHOOTING

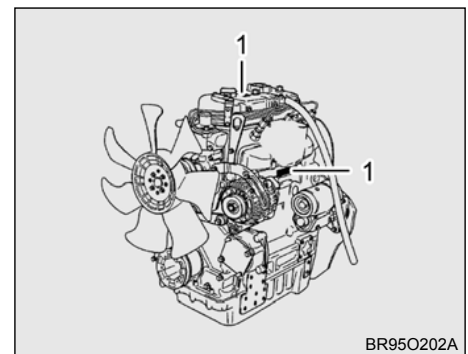
In case of mechanical trouble, refer to “Trouble shooting” on end of this manual. If the problem cannot be corrected, please contact your nearest authorized dealer.

<Information you will need when contacting the dealer for service>

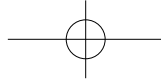
- Type of model and tractor s/n number.
- In case of engine, the engine s/n number.
- Circumstances of breakdown. (What kind of work, gear position, etc)
- Amount of work done. (Square footage or number of hours)
- Other information in as much detail as possible surrounding the circumstances of the breakdown.



(1) Tractor Serial number.

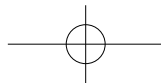


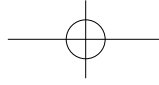
(1) Engine Serial Number



3. OVERVIEW OF THE TRACTOR

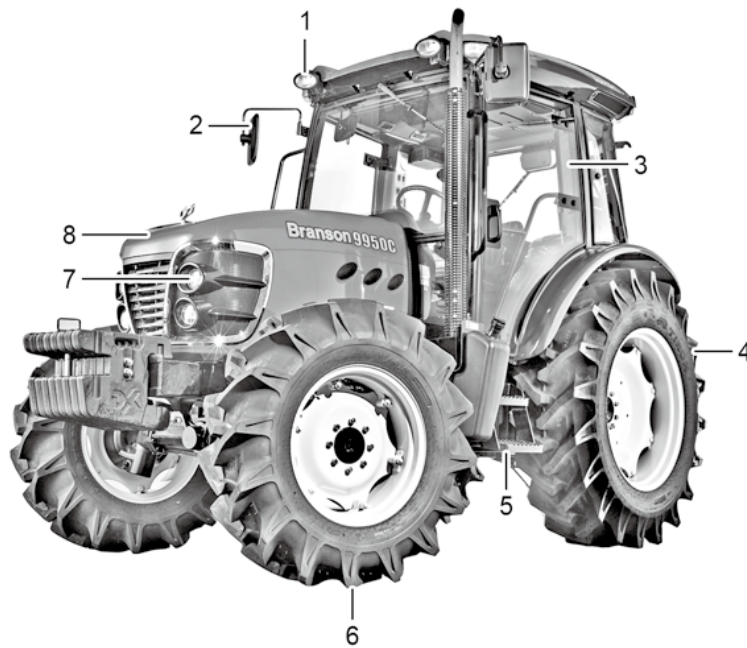
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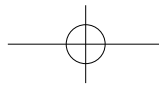
3-2 BRANSON 9550C

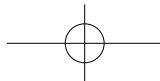
EXTERIOR VIEW



- (1) Work Lamp (F)
- (2) Side Mirror
- (3) Door Glass
- (4) Rear Tire
- (5) Step
- (6) Front Tire
- (7) Head Lamp
- (8) Hood

BR950301A

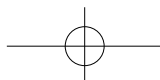


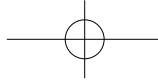


MEMO



Branson Machinery LLC





4. FUNCTIONS

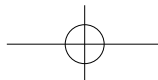
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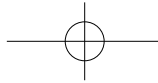
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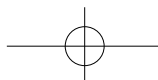
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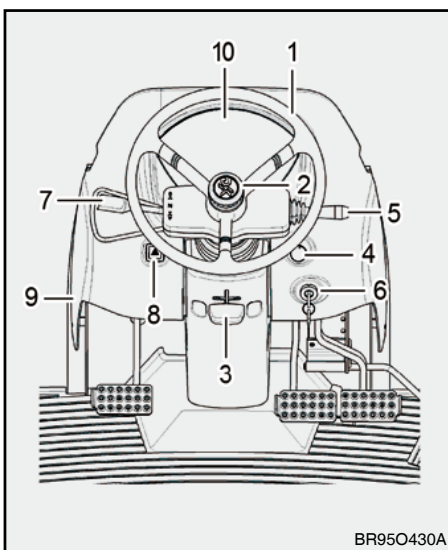
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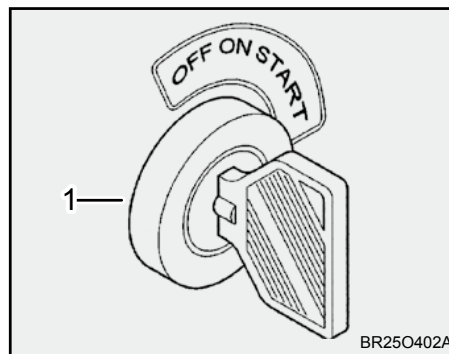
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SWITCHES AND LEVERS**MAIN KEY SWITCH**

- (1) Steering Wheel
 (2) Telescopic Adjust Lever
 (3) Steering Wheel Tilt Lever
 (4) 4WD Shift Switch
 (5) Combination Lamp Switch
 (6) Main Key Switch
 (7) F/R Shuttle Lever
 (8) Emergency Lamp Switch
 (9) Switch Guard
 (10) Instrument Panel



(1) Main Key Switch

It is used to start the engine.

- "OFF"

The engine is stopped, and current does no flow. (The key can be taken out)

- "ON"

Electric current flows to the switched of all electrical parts. If the engine is

stopped, the engine oil pressure pilot lamp and the battery charge pilot lamp are lit. Depending on the outside temperature, the thermostat pilot lamp may also be lit.

- "START"

Starting motor turns and the engine is started.

Once the engine is started, take your hand off the key.

The key will return to the "ON" position automatically and the engine will keep running.

Turn engine off before performing any maintenance on tractor.

CAUTION

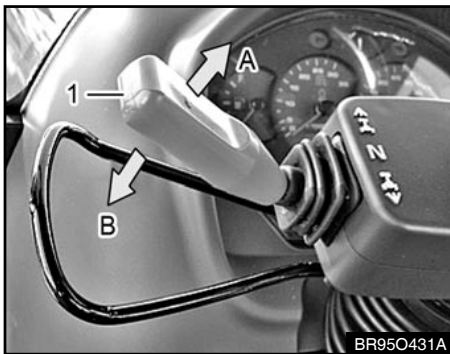
- When the tractor is not in use, take out the key and keep it in a safe place.

[Otherwise]

Children may start the tractor and cause an accident.

4-4 BRANSON 9550C

F/R SHUTTLE LEVER



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

It is used for shifting between "Forward" and "Reverse" drive.

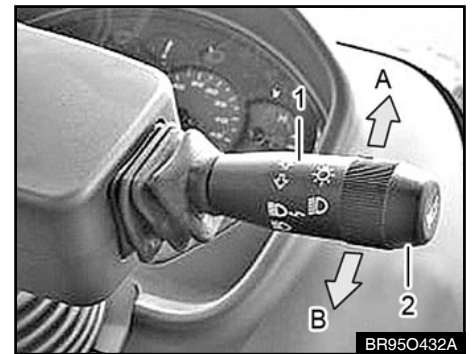
CAUTION

- It is an electro-hydraulic shuttle lever. Forward/Reverse driving is possible without the clutch pressed. Always be careful of shifting.

CAUTION

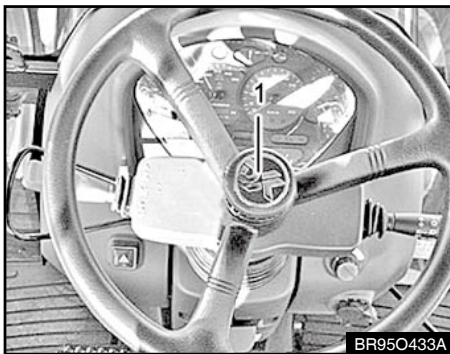
- For safety, when shifting from "forward" to "reverse" or from "reverse" to "forward", put the lever in the "neutral" position and wait for the tractor to stop moving before shifting the gear to the opposite direction. To ensure safety, the lever must first be pulled upward for shifting to another position.

COMBINATION SWITCH



(1) Light Switch (2) Horn
(A) High Beam (B) Low Beam

Tail lamp and dash meter will be lit when light switch is turned CCW once. When turned once again, high beam or lower beam will be lit. For direction light, bring the lever forward to light for right and backward to light for left. To use horn, press on side of light switch

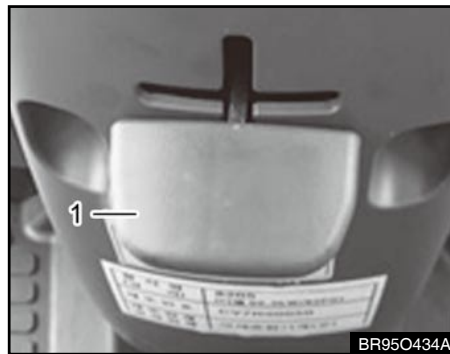
TELESCOPIC ADJUST CAP

(1) Telescopic Adjust Cap

Turn telescopic adjusting handle CCW, then fix handle at a desirable position and turn telescopic adjusting cap CW for adjustment.

⚠ CAUTION

- **Must not be adjusted while driving.**

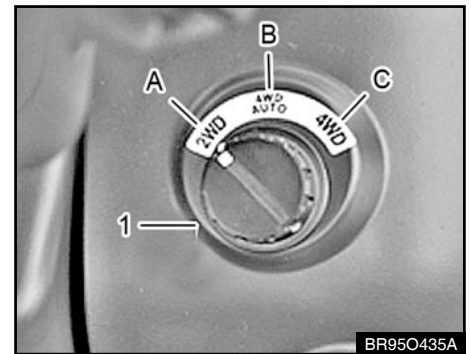
STEERING WHEEL TILT LEVER

(1) Steering Wheel Tilt Lever

It is used to change the angle of the steering wheel. Lift the lever and let it at the desired position. Release it, and then the steering wheel is firmly fixed. Confirm that the steering wheel is firmly fixed.

⚠ CAUTION

- **Must not be adjusted while driving.**

4WD SHIFT SWITCH

(1) 4WD Shift Switch (A) 2WD
(B) 4WD AUTO (C) 4WD

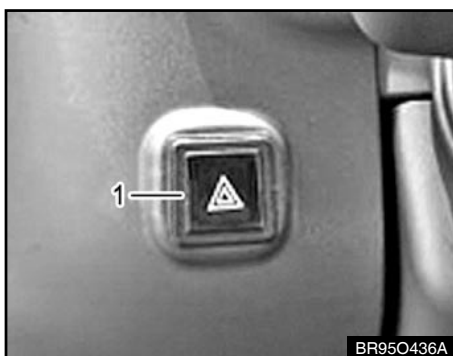
2WD: Rear wheel drive high range - this is for driving on dry hard surfaces.

4WD AUTO: 4WD Auto range - This is automatically disengaged when either brake pedal is pressed or if speed exceeds 9.3m/h (15km/h)

4WD: Four-wheel drive - This range provides full time four-wheel drive.

4-6 BRANSON 9550C

EMERGENCY LAMP SWITCH



(1) Emergency Lamp Switch



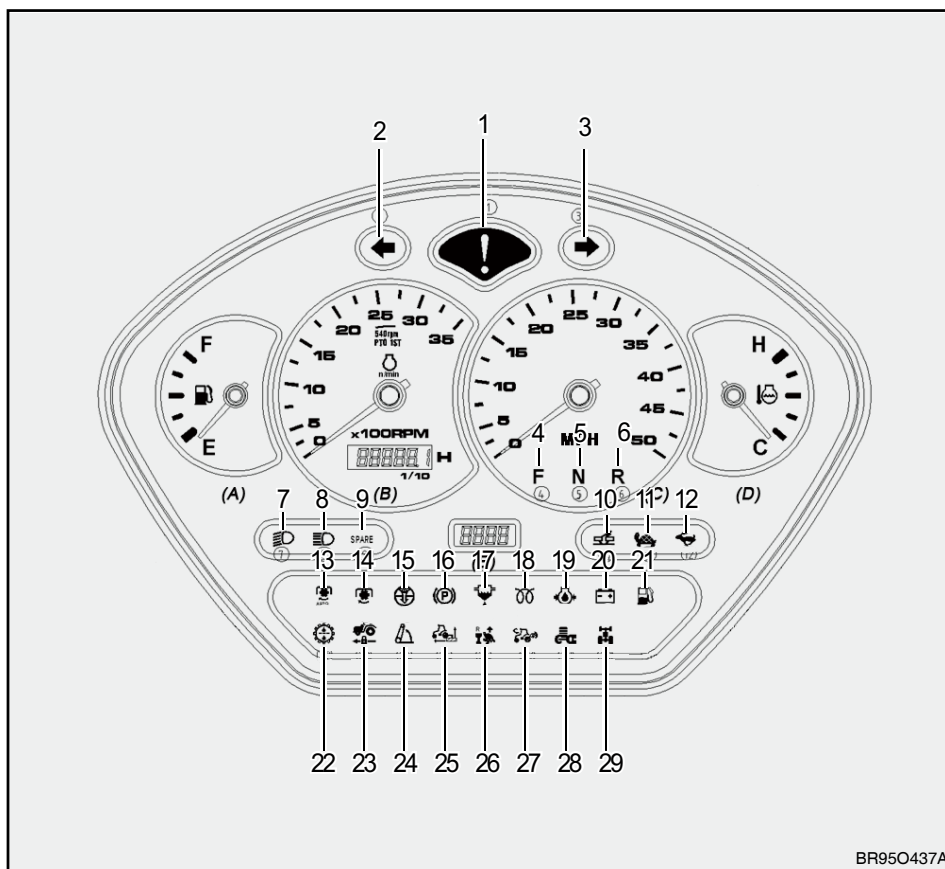
CAUTION

- If the hazard lamps are turned on for an extended period of time while the engine is stopped, the battery can be discharged. Therefore, use them only in emergency.

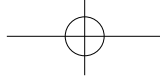
Used to prevent accidents in an emergency. Activate by pressing switch as to warn other vehicles.

Emergency lamp operates regardless of main switch and every direction lamp will cease at once. Press once again to cancel.

INSTRUMENT PANEL

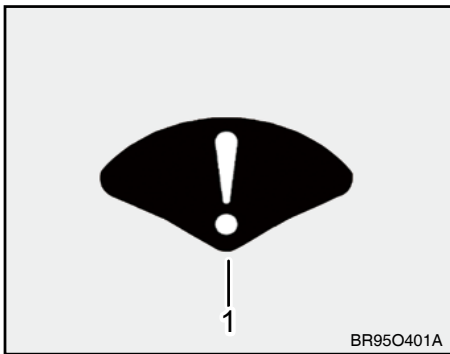


- (1) Warning Lamp
- (2) Direction Lamp (LH)
- (3) Direction Lamp (RH)
- (4) Forward
- (5) Neutral
- (6) Reverse
- (7) Head Light (Lower-Beam)
- (8) Head Light (High-Beam)
- (9~12) N/A
- (13) Auto PTO
- (14) PTO Operation
- (15) Air Filter Sensor
- (16) Parking Brake
- (17) Water Separator
- (18) Pre-Heat Lamp
- (19) Oil Pressure
- (20) Battery Charge
- (21) Fuel Empty
- (22) Transmission Warning
- (23) N/A
- (24) 3P Lift
- (25) Towing Power
- (26~28) N/A
- (29) MFWD
- (A) Fuel Gauge
- (B) Rpm Gauge
- (C) Speed Meter
- (D) Coolant Temp Gauge
- (E) Error Code Display



4-8 BRANSON 9550C

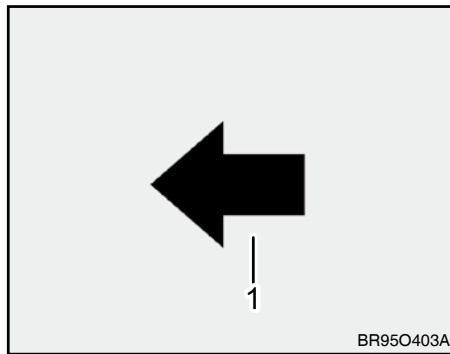
WARNING INDICATOR LAMP



(1) Warning Indicator Lamp

Center warning indicator lamp will light up when trouble occurs with tractor.

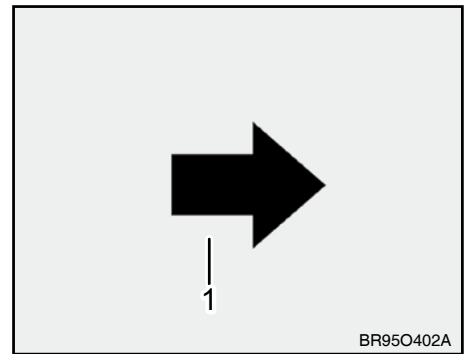
DIRECTION LAMP (LH)



(1) Direction Lamp (LH)

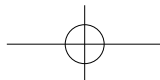
The indicator lamp will light up when direction lever is pushed forward.

DIRECTION LAMP (RH)

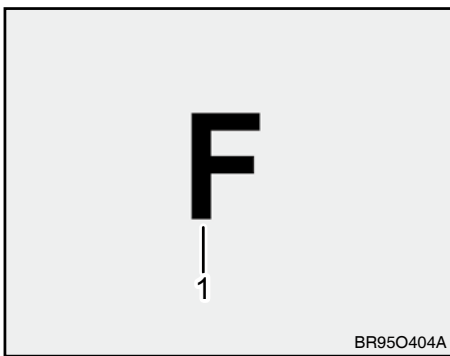


(1) Direction Lamp (RH)

The indicator lamp will light up when direction lever is pulled backward.



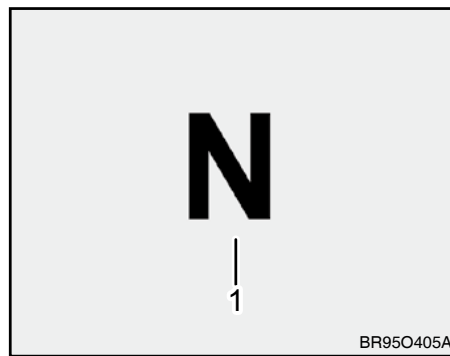
FORWARD LAMP



(1) *Forward Lamp*

Forward lamp will light up when shuttle lever is pushed forward.

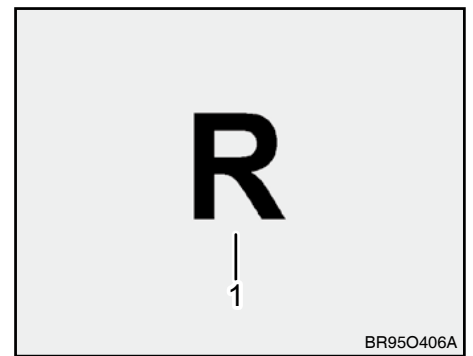
NEUTRAL LAMP



(1) *Neutral Lamp*

Neutral lamp will light up when shuttle lever is positioned in neutral.

REVERSE LAMP

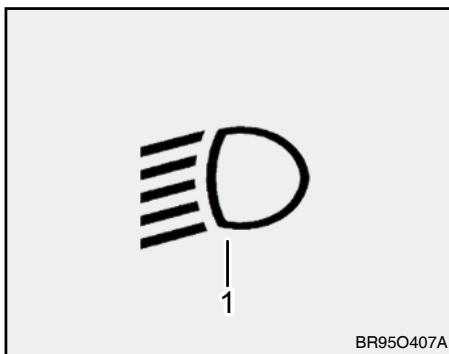


(1) *Reverse Lamp*

Reverse lamp will light up when shuttle lever is pulled backward.

4-10 BRANSON 9550C

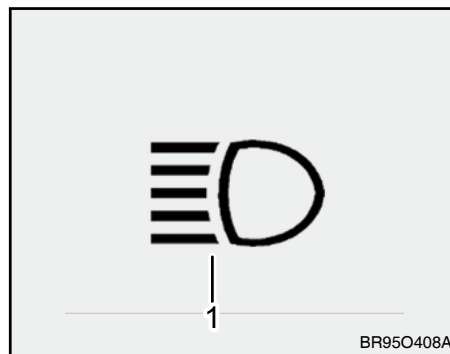
LOW BEAM HEAD LAMP



(1) Low Beam Head Lamp

If the light switch is turned twice clockwise, the low beam indicator lamp is illuminated.

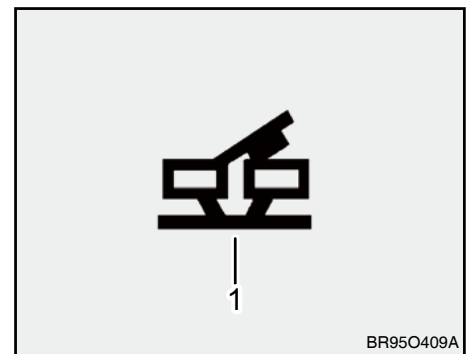
HIGH BEAM HEAD LAMP



(1) High Beam Head Lamp

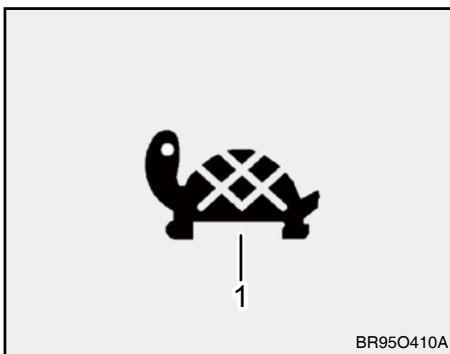
If the light switch is turned twice and raised, the high beam indicator lamp is illuminated.

SINGLE BRAKE LAMP (N/A)



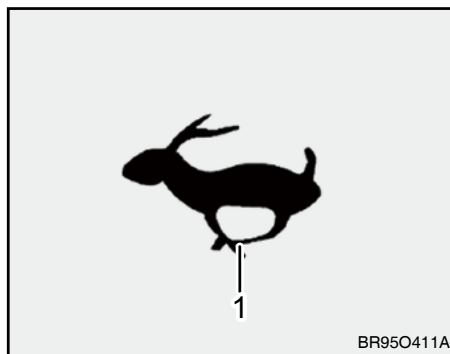
(1) Single Brake Lamp

Single brake lamp comes on when the brake pedal interlock is released. This function is not available now.

LOW SPEED LAMP (N/A)*(1) Low Speed Lamp*

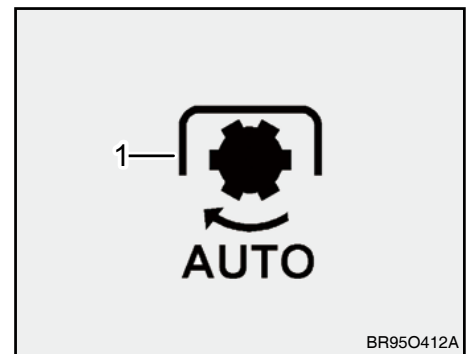
High speed mode and low speed mode are available only for the applied tractor. If you select the low speed switch, the low speed indicator lamp is illuminated. While the engine is starting, the low speed indicator lamp is illuminated because it is always low speeding.

This function is not available now.

HIGH SPEED LAMP (N/A)*(1) High Speed Lamp*

High speed mode and low speed mode are available only for the applied tractor. If you select the High speed switch, the High speed indicator lamp is illuminated.

This function is not available now.

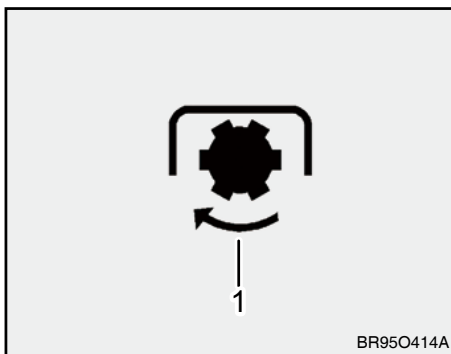
AUTO PTO LAMP (N/A)*(1) Auto PTO Lamp*

If the PTO AUTO switch on the dashboard is turned ON, the AUTO PTO indicator lamp is illuminated.

This function is not available now.

4-12 BRANSON 9550C

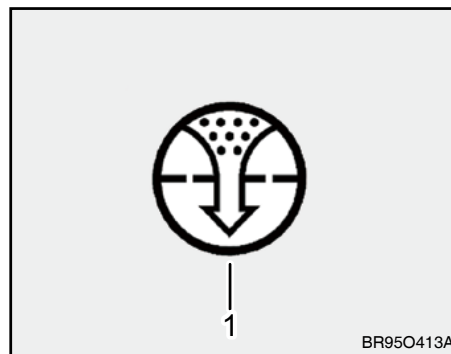
PTO LAMP



(1) PTO Lamp

PTO indicator lamp will light up when PTO ON/OFF switch is turned on.

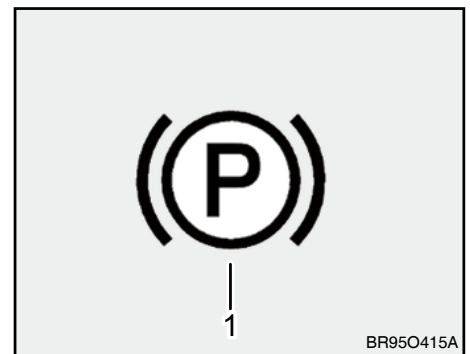
AIR FLOW SENSOR



(1) Air Flow Sensor

It is used to monitor the amount of air going into the engine while running. It will be illuminated when air filter is clogged.

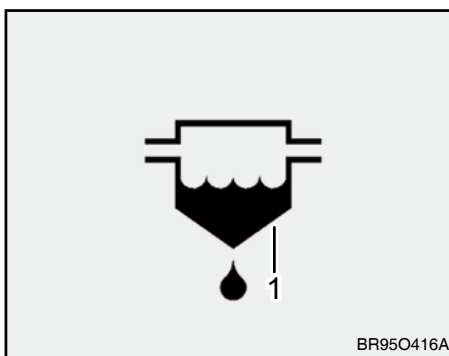
PARKING BRAKE LAMP



(1) Parking Brake Lamp

Lamp will light up when parking brake is pulled up. At this stage drive is not possible even when gear is changed with shuttle lever. Release parking brake and change shuttle lever.

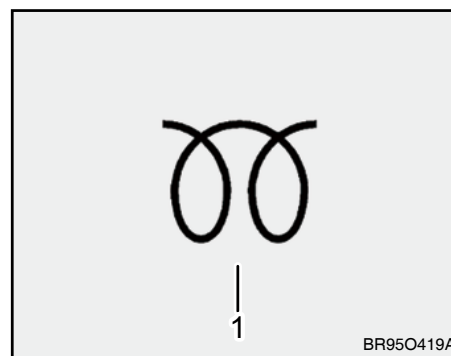
FUEL WATER SEPARATOR



(1) Fuel Water Separator

Lamp will light up when the water level is getting high.

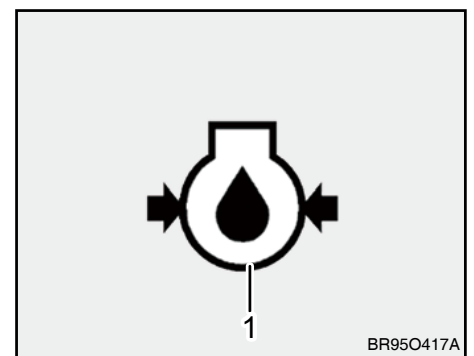
PRE-HEAT LAMP



(1) Pre-heat Lamp

Lamp will light on/off depending on temperature of engine coolant when main key 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.

ENGINE OIL PRESSURE LAMP

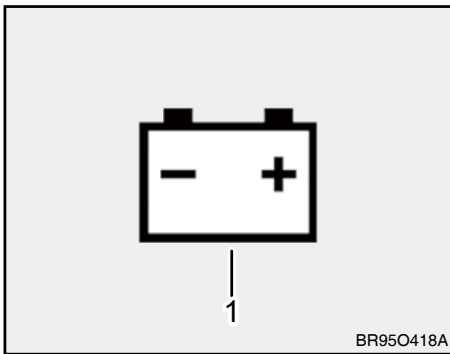


(1) Engine Oil Pressure Lamp

Lamp will come on when the ignition 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.

4-14 BRANSON 9550C

BATTERY CHARGING LAMP

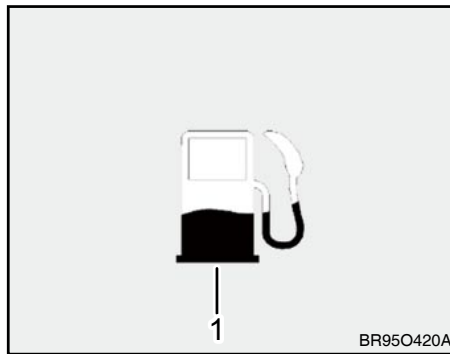


(1) Battery Charge Lamp

It will be turned on when the key switch is put into the "ON" position, and will be turned off when the battery starts being charged after engine is started and the engine revolution increases.

The battery will not be charged with the engine below 1,000 rpm. (The rpm should be 1,500 rpm or higher)

FUEL EMPTY LAMP

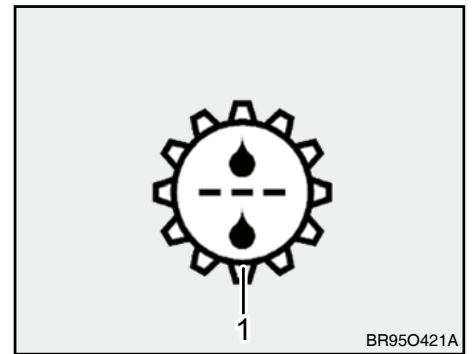


(1) Fuel Empty Lamp

It will light up when there is little fuel in fuel tank.

Refuel immediately as empty fuel tank may cause intake of air.

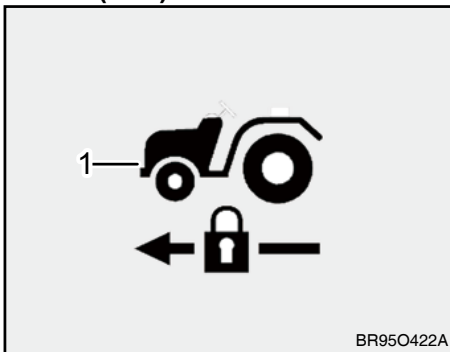
TRANSMISSION WARNING LAMP



(1) Transmission Warning Lamp

Transmission warning lamp will light up when trouble occurs with shuttle or PTO or four-wheel driving part of transmission part. .

CONSTANT SPEED INDICATOR LAMP (N/A)

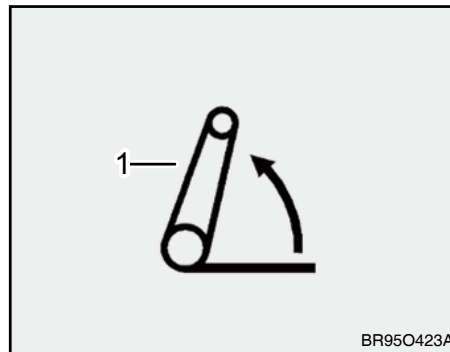


(1) Constant Speed Indicator Lamp

If the engine throttle lock dial is set to a certain position, the constant speed indicator lamp is illuminated. the engine throttle lock dial keeps the engine RPM constant and maintains a steady speed. This is the cruise control function.

This function is not available now.

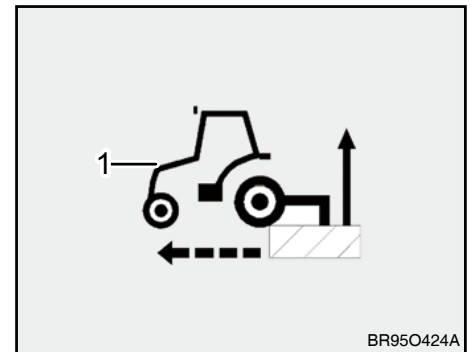
LIFT UP LAMP



(1) Lift up Lamp

Lift up lamp will light up when lift arm is lifted up by one-touch moving up, or reverse moving up or turning increase to maximum position.

TOWING POWER LAMP

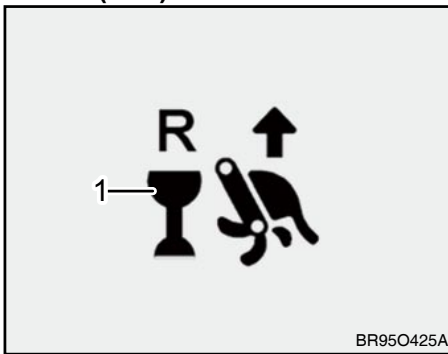


(1) Transmission Warning Lamp

Towing power lamp will light up when towing power setup dial is set at desired level.

4-16 BRANSON 9550C

REVERSE UP INDICATOR LAMP (N/A)

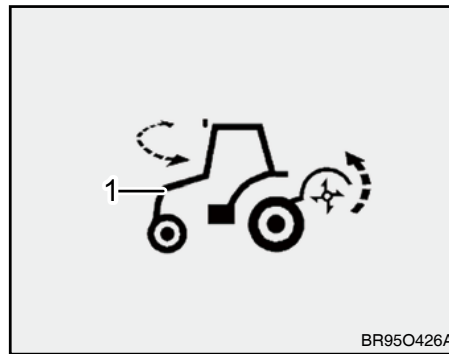


(1) Reverse Up Indicator Lamp

If the reverse up switch on the dashboard is turned ON, the reverse up indicator lamp is illuminated.

This function is not available now.

TURN-UP INDICATOR (N/A)

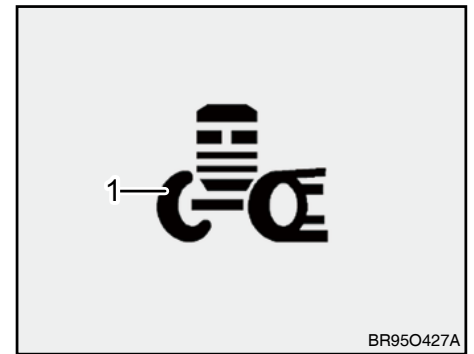


(1) Turn-Up indicator

The Turn-up indicator is illuminated when setting the turn-up switch on the control panel into the ON position.

This function is not available now.

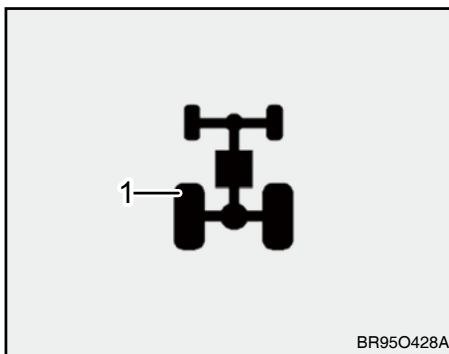
OPERATION LAMP (N/A)



(1) Operation Lamp

If the 4WD switch is placed in "Operation" position, it provides four-wheel drive.

Time for engaging the clutch at this position is required less than 4WD.

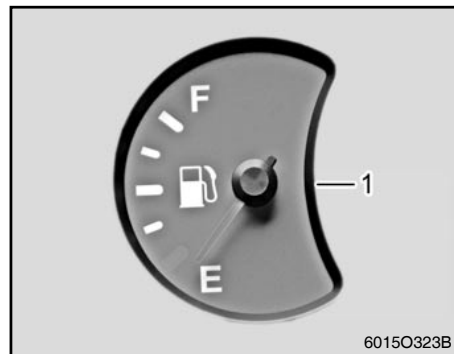
4WD DRIVE LAMP (N/A)

(1) 4WD Drive Lamp

If the 4WD switch is placed in "4WD" or "WORK" position, the 4WD indicator lamp is illuminated.

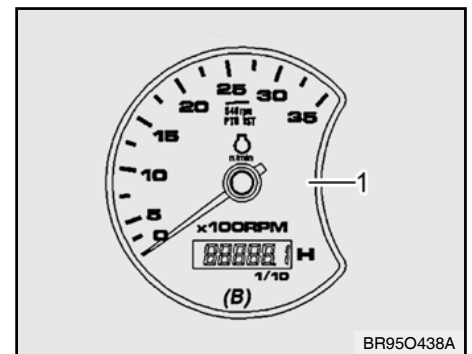
If the engine speed is more than 10km/h with the 4WD switch in "4WD", the 4WD indicator lamp is turned off. If the engine speed is less than 10km/h, the 4WD indicator lamp is turned on again.

In "Operation" mode, 4WD is maintained while driving regardless of engine speed.

FUEL GAUGE

(1) Fuel Gauge

Indicates the quantity of fuel remaining in the tank. If the needle is in the red zone, refill immediately.

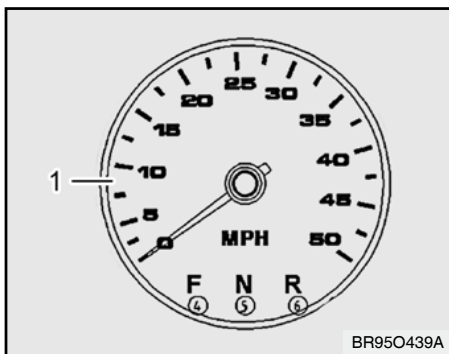
RPM GAUGE/ENGINE USING HOUR METER

(1) RPM Gauge/engine Using Hour Meter

Indicates the quantity of fuel remaining in the tank. If the needle is in the red zone, refill immediately.

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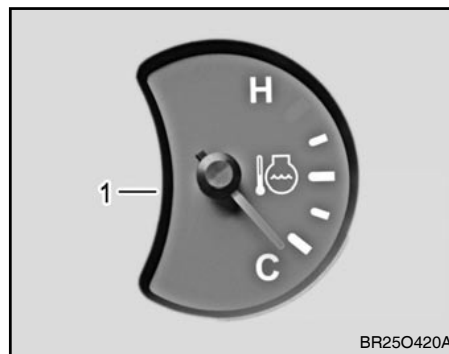
SPEEDOMETER



(1) Speedometer

The needle indicates speed of tractor.

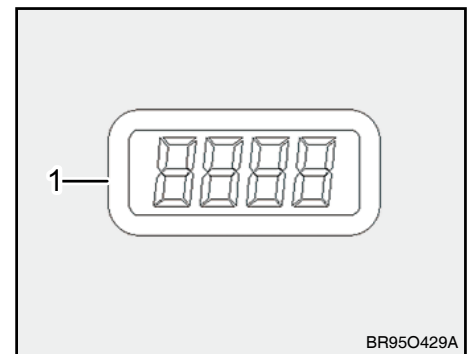
WATER TEMP GAUGE



(1) Water Temp Gauge

The needle indicates the temperature of the engine coolant during running. If the needle is in the red zone, stop running the engine and check for problems.

ERROR CODE DISPLAY



(1) Error Code Display

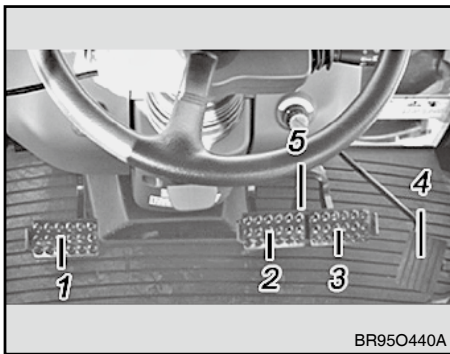
The relevant error code is generated if the tractor is detected a fault.

< ERROR CODE LIST >

NO.	ERROR CODE	CONTROLLER	DESCRIPTION
1	1301	Transmission Control Unit	Trouble with transmission oil pressure sensor
2	1401	Transmission Control Unit	Trouble with 4WD solenoid circuit
3	1402	Transmission Control Unit	Trouble with proportional valve
4	1403	Transmission Control Unit	Trouble with forward solenoid valve
5	1404	Transmission Control Unit	Trouble with reverse solenoid valve
6	1405	Transmission Control Unit	Trouble with double acting solenoid valve
7	2301	Transmission Control Unit	Trouble with shuttle lever switch
8	2302	Transmission Control Unit	F/R shuttle shift with park brake lever pulled
9	3101	Hyd Control Unit	Trouble with Hcu (Hyd control unit) power
10	3202	Hyd Control Unit	Trouble with 3P control lever signal
11	3203	Hyd Control Unit	Signal error from lift sensor
12	3204	Hyd Control Unit	Signal error from towing sensor
13	3301	Hyd Control Unit	Trouble with fender control switch
14	3401	Hyd Control Unit	Trouble with 3P hitch raising power
15	3402	Hyd Control Unit	Trouble with 3P hitch lowering power
16	3403	Hyd Control Unit	Trouble with 3P lift solenoid
17	4101	Hyd Control Unit	Trouble with TSB lifting solenoid circuit
18	4102	Hyd Control Unit	Trouble with TSB lowering solenoid circuit
19	4201	Hyd Control Unit	
20	4202	Hyd Control Unit	
21	5101	Transmission Control Unit	

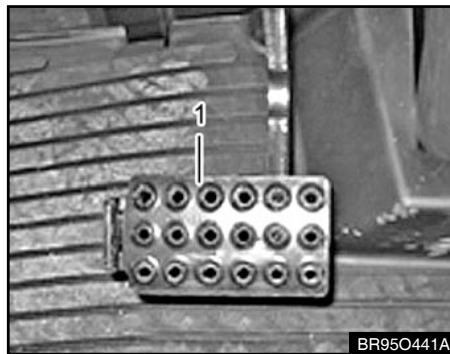
4-20 BRANSON 9550C

PEDALS



- (1) Clutch Pedal
- (2) Brake Pedal (LH)
- (3) Brake Pedal (RH)
- (4) Accelerator Pedal
- (5) Brake Pedal Coupler

CLUTCH PEDAL

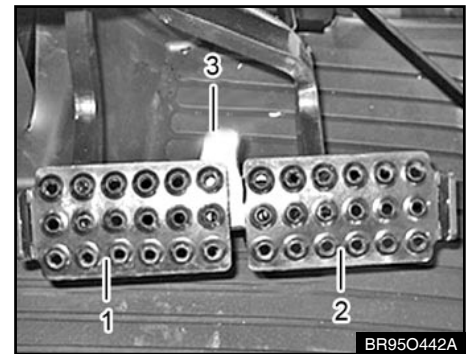


- (1) Clutch Pedal

If the clutch pedal is pressed, the power transmission is cut. If you use the F/ R shuttle shuttle lever, you can change the driving direction without pressing the clutch pedal.

The main shift and range shift are possible with the clutch pedal pressed. Slowly lift your foot off the clutch pedal to start the tractor gradually.

BRAKE PEDALS AND COUPLER



- (1) Brake Pedal (LH)
- (2) Brake Pedal (RH)
- (3) Brake Pedal Coupler

Brake pedals are independent of each other and can be used for making a small turn on the pavement.

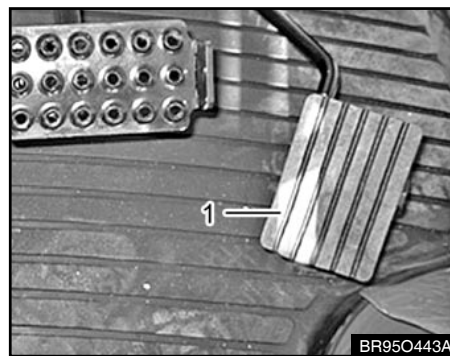
Depressing the Brake pedal on the side to which to make a turn, the rear wheel on that side is stopped and the tractor can make a small turn. connect the Brake pedals with the coupler when driving on a road.

LEVER OPERATION (R)**ACCELATOR PEDAL**

While engine speed is more than 5km with 2WD, if the brake pedals (left and right, simultaneously) are pressed, it is automatically changed to 4WD and the 4WD indicator lamp is illuminated. This is to reduce the braking distance

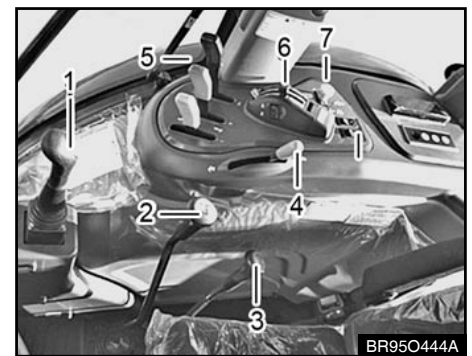
! WARNING

- **Make sure to connect the Brake pedals with the coupler when driving on a road.**



(1) Accelerator Pedal

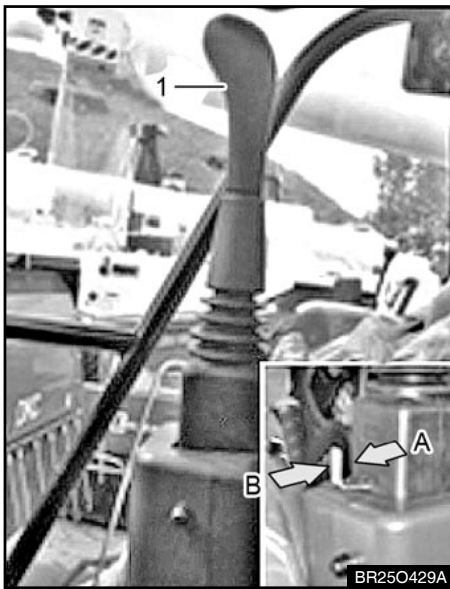
Accelerator pedal is separated with accelerator lever. It is used to make the engine run faster or slower. It is usually used when driving on a road.



- (1) Mid Remote Valve Joystick
- (2) Main Gear Shift Lever
- (3) Range Gear Shift Lever
- (4) Accelerator Lever
- (5) Rear Remote Control Lever (I, II, III)
- (6) 3PT Hitch Control Lever
- (7) PTO ON/OFF Switch
- (8) PTO Selection Switch

4-22 BRANSON 9550C

MID REMOTE VALVE JOYSTICK



(1) Mid Remote Valve Joystick
(A) Lock (B) Unlock

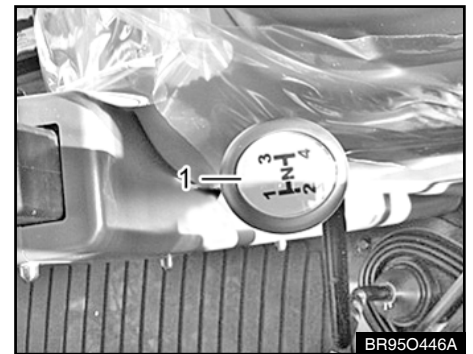
Front-loader exclusive joystick valve is attached and control lever is attached on right-front side of driver's seat.

Loader will move up when pushed forward and move down when pulled backward. Bucket will move up when pushed to the left and move down when pushed to the right. Joystick lever must be locked when driving while loader is lifted. Otherwise it may cause accident.

⚠ CAUTION

- In case of the front loader installed, do not operate the boom and the bucket simultaneously. Otherwise, malfunction of loader may occur due to lack of oil flow.

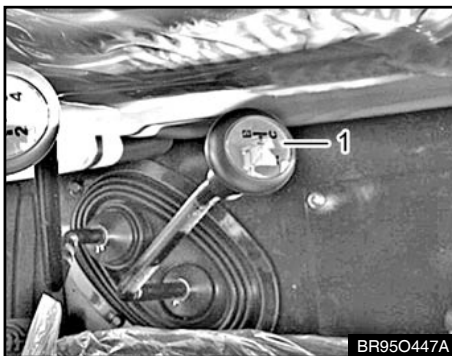
MAIN GEAR SHIFT LEVER



(1) Main Gear Shift Lever

The main shift lever consists of 4 transmission ratio levels (1,2,3,4).

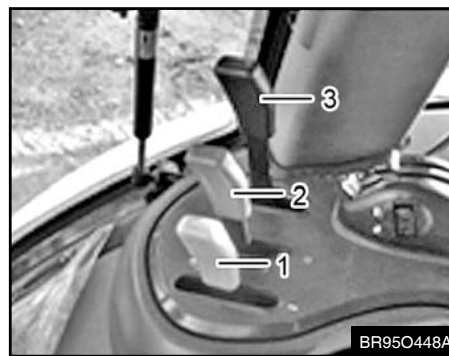
It is shifted to main 4 transmission ratio levels (1,2,3,4) depending on the travelling speed. It is a synchromesh type and shifting is possible with the clutch pedal pressed, while driving.

RANGE SHIFT LEVER

(1) Range Shift Lever

The range gear is shifted in three levels(A-B-C).

It is a collar shift type and necessarily stop the tractor when shifting. Otherwise, the shift gear may be damaged.

REAR REMOTE CONTROL LEVER

(1) Rear Remote Control Lever I
(2) Rear Remote Control Lever II
(3) Rear Remote Control Lever III

Connect the implement hose with the attached equipment of implements (plow, fertilizer distributor) properly, if necessary.

► LOCK FUNCTION (DETENT)

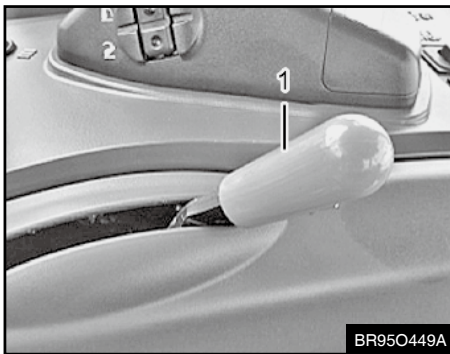
It is installed to provide continuous use of the rear SC valve.

However, provided that the lever is not in use for the rear implement, with fixed, front loader and implement raising and TBS do not work

LEVER NO	I	II	III
DETENT	NA	Front / Rear	NA

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ACCELATOR LEVER

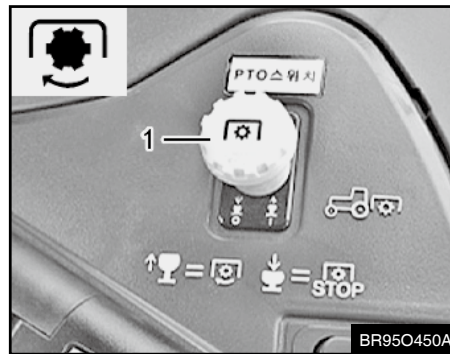


(1) Accelerator Lever

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

Use the accelerator pedal but the accelerator lever while driving.

PTO ON/OFF SWITCH

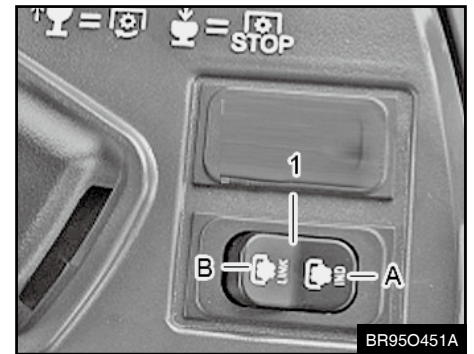


(1) PTO ON/OFF Switch

It is used for turning on or off the PTO clutch. The engine does not start up, when the PTO ON/OFF switch is in [ON]. Put to [OFF] position for starting up the engine.

Pull the PTO switch up to turn ON and press the PTO switch down to turn OFF. The above display is illuminated on the dashboard.

PTO SELECTION SWITCH



(1) PTO Selection Switch
(A) IND (B) LINK

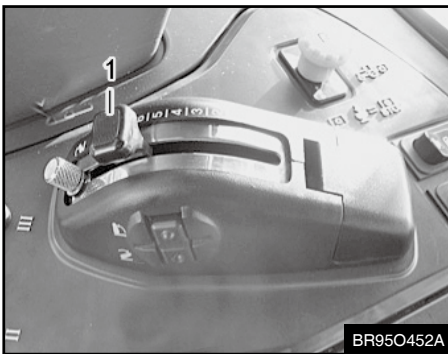
It is used to change over the PTO switch.

IND : PTO gets independent.

Even when the clutch pedal is depressed, PTO continues to rotate and PTO lamp lights on the instrument panel.

LINK: PTO gets connected, and when when the clutch pedal is depressed, PTO stops to rotate. When the clutch pedal is released, PTO rotates and PTO lamp lights on the instrument panel.

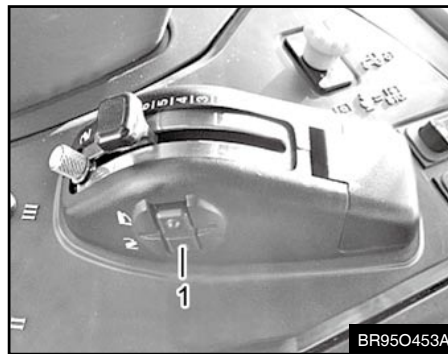
3PT HITCH CONTROL LEVER



(1) 3PT Hitch Control Lever

Hitch control lever can freely lift up or move down the rear implement. It will lift up when lever is pulled back and move down when lever is pushed forward.

ONE-TOUCH SWITCH



(1) One-touch Switch

One-touch lifting up/down switch can lift up to the preset point set by upper limit control dial and move 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

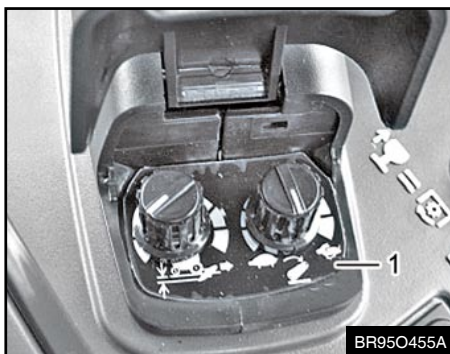
Draft control dial allows the implement to be automatically lifted up depending on the load on the rear implement.

It will operate with larger weight as dial is turned CW.

It will not operate when dial is completely turned CCW and towing power lamp is turned off in gauge.

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STOP/SLOW RETURN DIAL



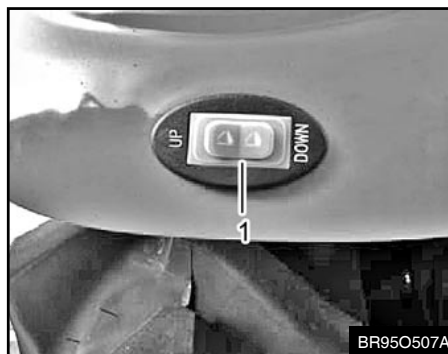
(1) Stop/Slow Return Dial

The rate at which the 3PT link 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.

If you turn the dial fully to the right, the hydraulic pressure to the device raising the implement is stopped.

REMOTE SWITCH



(1) Remote Switch

To move the lockshaft, keep pressing the switch under the left tail lamp.

It is raised by pressing the left side of the switch, lowered by pressing the right side of it.

LEVER OPERATION (L)



(1) PTO Shift Lever
(2) Parking Brake Lever

PTO SHIFT LEVER



(1) PTO Shift Lever

The revolution of the PTO shaft can be shifted in three levels. When shifting lever, shift PTO ON/OFF switch to OFF position.

PTO 1	542 rpm
PTO 2	750 rpm
PTO 3	1,010 rpm

WARNING

- Observe the PTO speed designated on the implement.

PARKING BRAKE LEVER



(1) Parking Brake Lever

The parking brake is applied when the lever is pulled up and it is released when the lever is lowered with the button on its tip pressed.

If the parking brake is applied, the tractor will not move even though the F/R shuttle lever is applied and a warning sound will be made. You can't drive the tractor forward or reverse when the parking brake is only released with the warning sound remained.

At this time, put the F/R shuttle lever in the "Neutral" position, release the parking brake, and then shift the F/R shuttle lever again.

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OTHERS

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.

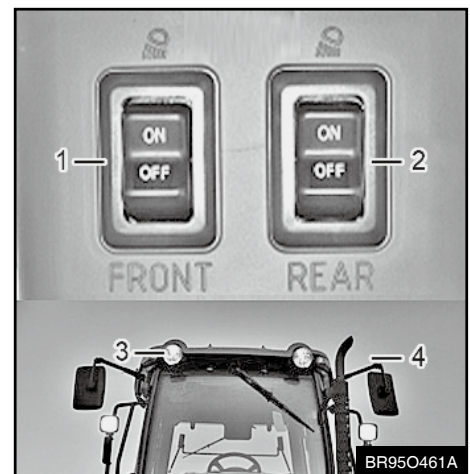
Only use when tires are in the straight forward position. Otherwise, the transmission may be damaged.



WARNING

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

WORK LAMP SWITCH



(1) Work Lamp Switch (FRT)

(2) Work Lamp Switch (RR)

(3) Work Lamp (R) (4) Work Lamp (L)

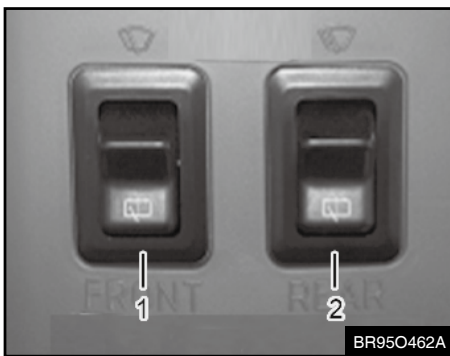
It is used to turn on work lamps on the top roof.



WARNING

- Turn off work lamps when driving on a road at night. Otherwise, they may obstruct the view of other vehicles and cause an accident.

WIPER SWITCH

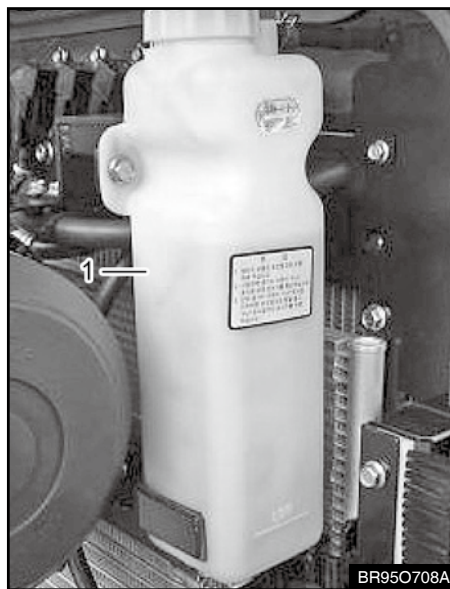


(1) Wiper Switch (FRT)
(2) Wiper Switch (RR)

Wiper blades will operate when upper buttons of wiper switch are pressed.

Washer fluid is sprayed on to windshield and the wipers are operated when buttons are pressed once more.

Lower buttons will only spout wash liquid. Wash liquid tank for cleaning is located on rear right side of seat rear side.



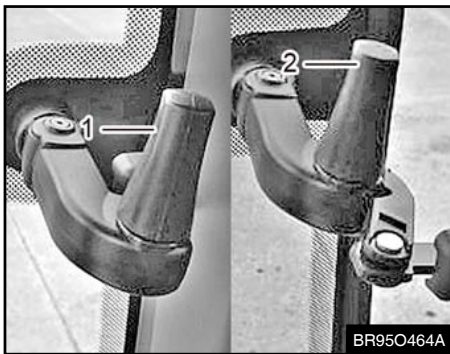
(1) Wash Liquid Tank

CAUTION

- Do not use the washers when the washer fluid reservoir is empty, otherwise you will damage the washer pump.
- Do not use the washers if there is any danger that the fluid will freeze on the windshield. If you do, your vision could be obscured. For this reason, use antifreeze

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SIDE WINDOW HANDLE



- (1) Side Window Handle (Lock)
(2) Side Window Handle (Open)

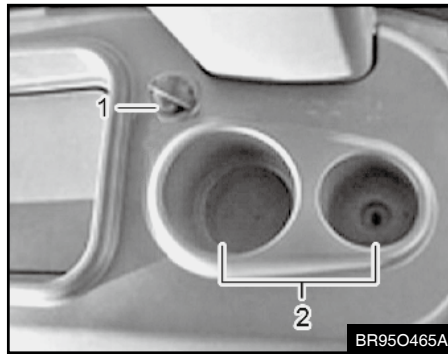
It is used to open side window.

Completely release the handle while working with the side windows opened. Never drive the tractor with the side windows opened. Otherwise, windows may be broken.

CAUTION

- Be aware of possible hand injury in hinge part and glass windows while opening and closing.

CUP HOLDER / AUX. POWER



- (1) Aux. power 12V
(2) Cup Holder

There is the extra cup holder for various cup sizes.

The aux. power can also be used for charging a cellular phone.

SUNROOF



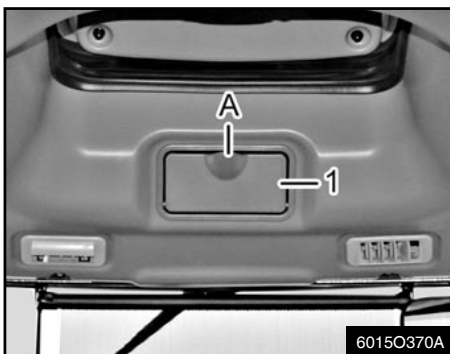
- (1) SunRoof (2) Latch

You can use it, to let the fresh air in the cab. If you want to open it, rotate the handle and push the handle up.

If you want to close it, pull the handle and turn it securely. If the latch of handle is not completely engaged while driving, the sunroof may be damaged due to unexpected open.

When you open and close it, do not apply the excessive force not to damage it.

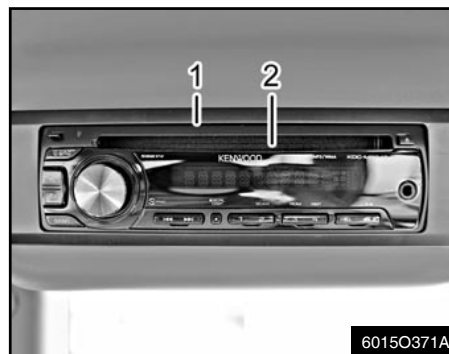
SUNGLASS HOLDER



(1) Sunglass Holder (A) Pull

Pull the clip (A) and then the sun-glass holder is opened.

CD PLAYER



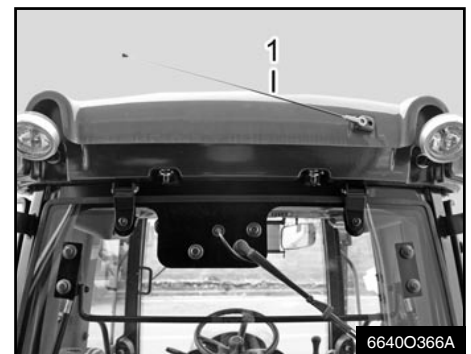
(1) CD Payer Slot (2) CD Player

CD, MP2 and radio functions are available. CD player slot is placed in front upper section of the player.

► MAIN FEATURES

- CD player (MP3, WMA), Radio
- Semi-conductor laser, Front AUX terminal
- CD TEXT support, MULTI LCD
- Remote control system

ANTENNA



(1) Antenna

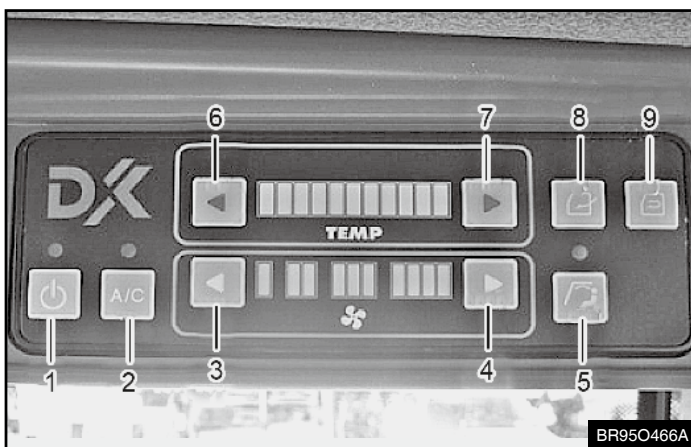
Adjust the antenna at a range of 100 degrees of the front and rear of the tractor.

⚠ CAUTION

- To prevent the antenna from damaging, lower it properly.

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COOLING AND HEATING SYSTEM



- (1) Power Switch
- (2) Air-con Switch
- (3) Air Flow Switch (Down)
- (4) Air Flow Switch (Up)
- (5) Air Vent Switch
- (6) Temperature Switch (Down)
- (7) Temperature Switch (Up)
- (8) Air Circulate Control Switch (Outside)
- (9) Air Circulate Control Switch (Inside)

1. POWER

This switch supplies power to the heater/air conditioning system, activates or deactivates the heater/air conditioning system. The lamp is turned on when operating.

2. AIR-CON SWITCH

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

3,4. AIR FLOW RATE

Adjust the air flow rate. The higher the rate, the more effective the heating or cooling will be

5. AIR VENT SWITCH

6,7. TEMPERATURE

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

8,9. AIR CIRCULATE CONTROL

Used to shift the supply of outside air and re-circulates the inside air.

5. OPERATION & WORK

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5. OPERATION & WORK

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CHECKING BEFORE OPERATION

DANGER

- Do not provide illumination with a lit cigarette or a lighter when fueling.
- Never fill the fuel tank while the engine is running or hot.
- After filling the fuel tank, close the fuel filler cap completely and wipe off the excess fuel thoroughly.
- If the fuel hoses are damaged, fuel will leak. Make sure that you check for any leakage.

WARNING

- Perform the maintenance on a flat 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 tires to prevent movement.

[Otherwise]

An unexpected accident may occur, such as overturning of the tractor.

- When going under the implement, fully close the slow/stop valve.

[Otherwise]

There is a risk of injury due to implement falling.

CAUTION

- Stop the engine during checking, maintenance, or repair
- Carry out the maintenance work after heated area such as the muffler or the engine have fully cooled down.

[Otherwise]

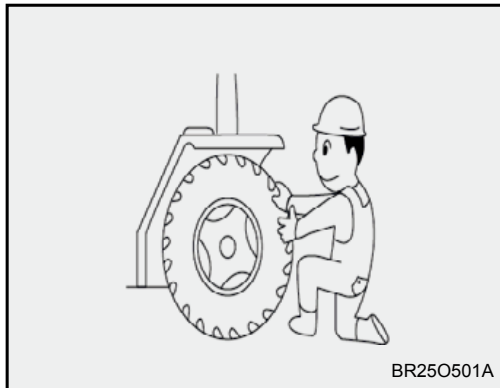
There is risk of burn.

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

[Otherwise]

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

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2. Check around the tractor.

- Parking deformation, damage or stains.
- Tire pressure and abrasion.
- Damage to the tractor, or loosened bolts.
- Loosening of wheel bolts.
- Fuel quantity, fuel leaks, or damage to the fuel hose.



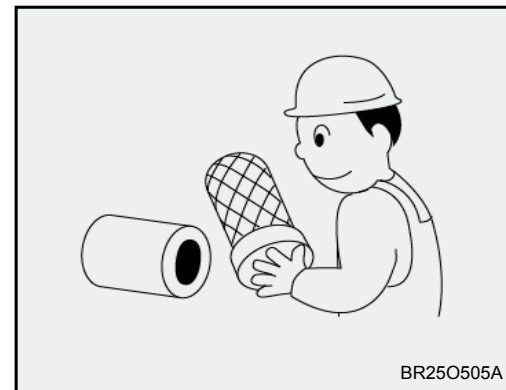
To ensure a safe and comfortable operation, please carry out the routine check-up everyday before starting work. Correct any problem immediately, and also check for problems after work. This checking should be done in the following sequence.

1. Check the suspicious parts of the previous day.

- Check the parts that you thought were not normal during the work of previous day.

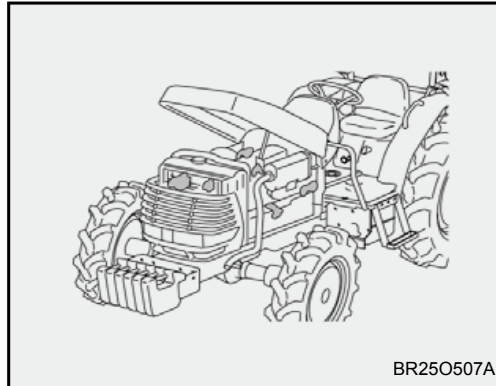
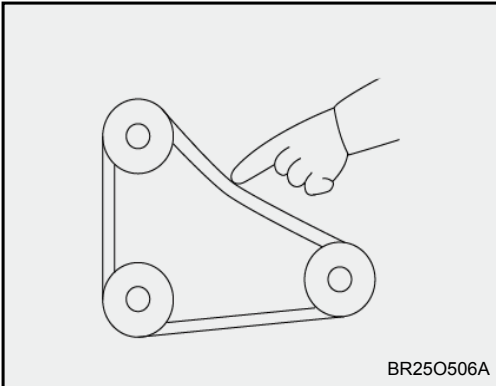
3. Open the engine hood.

- Engine oil level, contamination, or leakage.

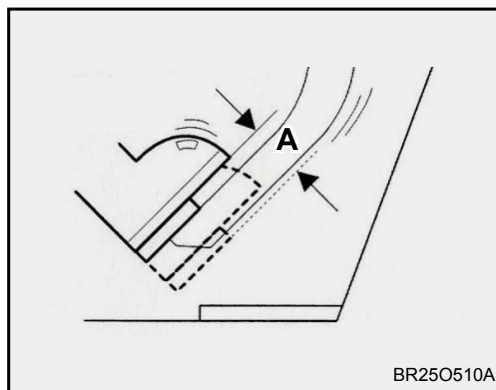
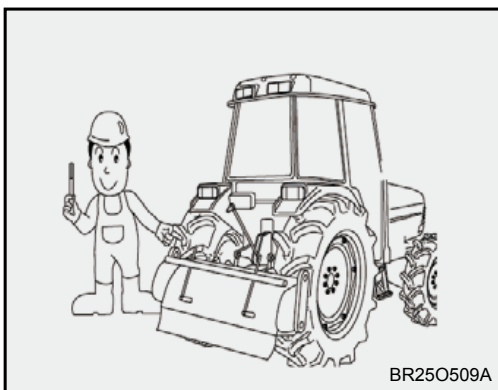


- Engine coolant level, leakage, or damage to the hose.
- Battery solution level.
- Air cleaner.

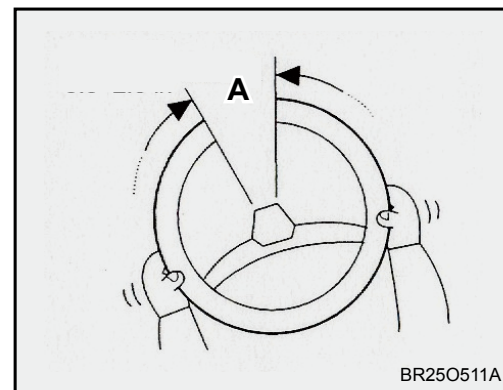
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- Cooling fan belt tension, damage.
- Dust or straw on the radiator grill or the engine.
- Damage to the coating of the cables, or loosening of the contacts.



(A) Free play 0.2 ~ 0.4 in



(A) Free play 0.8 ~ 2.0 in

4. Check around the implement.

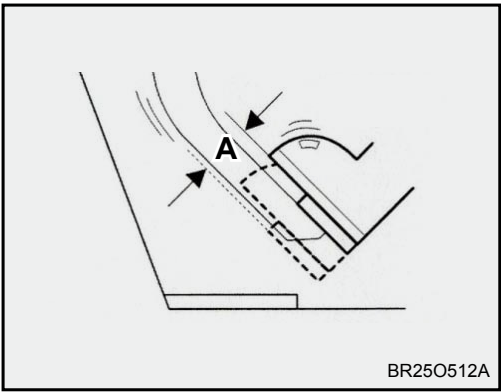
- Condition of the locking pin of the universal joint inserted in the PTO shaft.
- Condition of R pins in each part.
- Loosening of the bolts holding the blade.
- Quantity of oil in each part. For more details, please refer to the implement manufacturer's instructions.

5. Check on the driver seat.

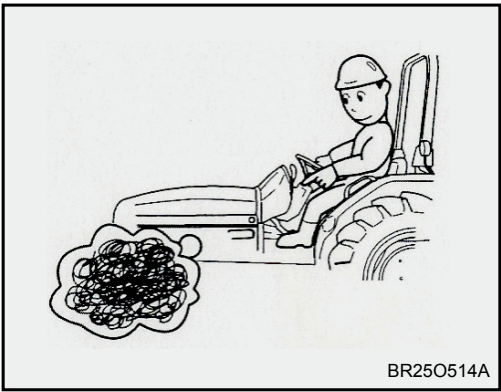
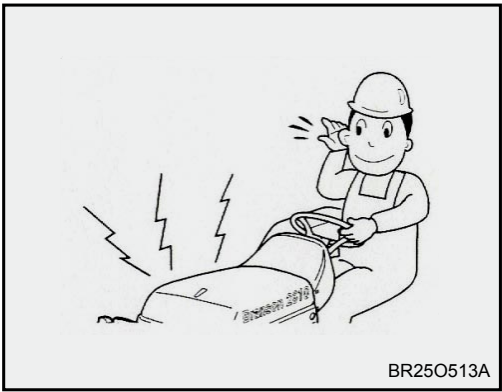
- Operational condition and free play of the brake. (0.2~0.4 in)

- Free play of the steering wheel. (0.8~2.0 in)

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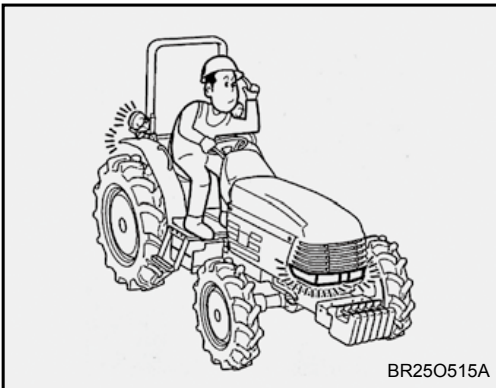


(A) Free play 1.0 ~ 1.4 in



- Operational condition and free play of the clutch pedal. (Manual transmission only)
6. Start the engine.

 - Abnormal noise from the engine.
- Color of the exhaust gas.



of grease or oil. Never jump when exiting machine. Never mount or dismount a moving machine

⚠ DANGER

- Getting off the tractor, make the implement descend.

[Otherwise]

The implement descends itself, and then causes some unexpected accident.

- Operation of lamps and gauges

► **Boarding And Leaving The Tractor**

Use Steps and Handholds Correctly

1. Prevent falls by facing the machine when getting on and off. Maintain 3-point contact with steps and handrails. Never use machine controls as handholds.
2. Use extra care when mud, snow, or moisture present slippery conditions. Keep steps clean and free

STARTING / STOPPING THE ENGINE TO START THE ENGINE

► **Note: Breaking in your tractor (First 50 hours)**

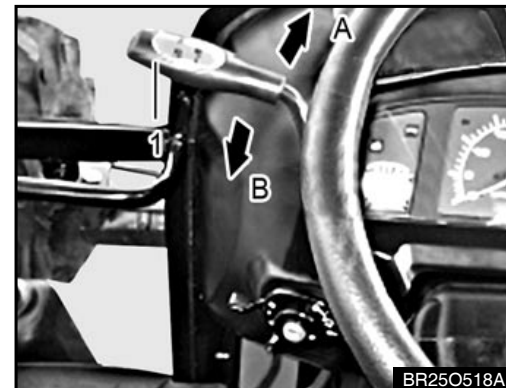
The operation of a new tractor during the first 50 hours is very important, as it will greatly influence the life and performance of the tractor.

Pay attention to the following precautions during the break-in period.

1. Avoid rapid accelerating and abrupt stopping.
2. Avoid over-speeding and overloads.
3. Drive the tractor after the engine has been warmed up.
4. Reduce the speed while driving on a rough road or a slope.
5. At the first 50th hour, carry out inspections of each part and replace the engine oil.



1. Check fuel.
 - Check if there is enough fuel by observing fuel gauge.

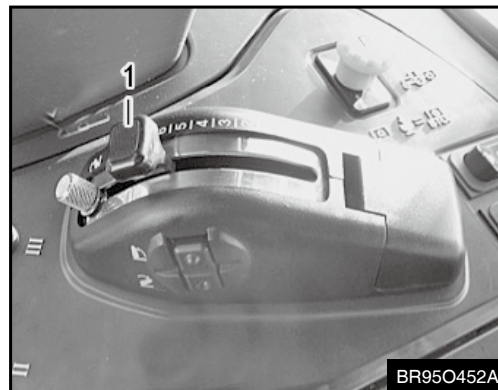


(1) Shuttle Lever
(A) Forward (B) Reverse

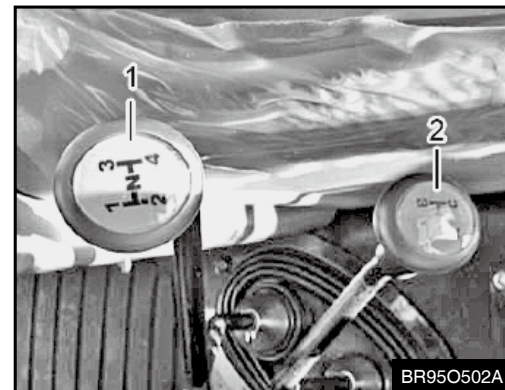
2. Shuttle lever into "Neutral" position.



BR95O502A



BR95O452A



BR95O502A

(1) PTO Switch

(1) 3PT Hitch Control Lever

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

3. Put the position control lever into the lowest position and PTO switch turn to OFF position.

4. Move the 3PT Hitch Control Lever forward to lower the implement.

5. Main shift lever into "NEUTRAL" position.

⚠ WARNING

- Check the safety around the tractor and start to move slowly.

[Otherwise]

There is a risk of injury.

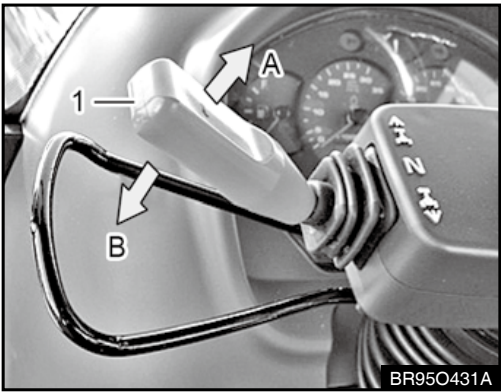
⚠ WARNING

- Don't crank engine unless position control lever is in the lowest position.

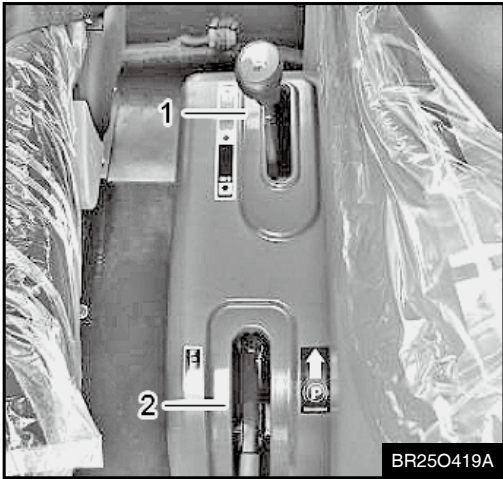
[Otherwise]

Implement might rise quickly and there is a risk of injury or machinery breakdown

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

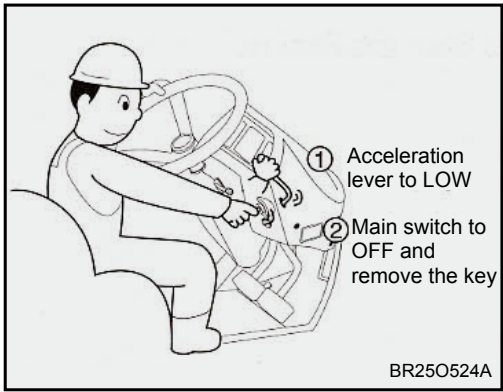


(1) PTO Shift Lever
(2) Park Brake Lever

6. Put the acceleration lever to Min.

7. Turn the Main key switch to START.
Once the engine has started, take your hand off the Main key switch.
8. Increase the engine to about 1,500 rpm and warm it up for about five minutes without a load.

TO STOP THE ENGINE



1. Put the acceleration lever on LOW, and turn the main switch to "OFF".
2. Put shuttle lever, main gearshift lever and PTO shift lever to "N". put PTO ON/OFF switch in to the "OFF" position and front wheel lever to the "OFF".
3. Put the position control lever on "DOWN"

CAUTION

- When stopping the engine, never stop it with the reducer lever.
- After stopping the engine, make sure to apply the parking brake.

NOTE

- For warming-up operation, strongly step on the brake pedal and pull your parking brake.

WARNING

- When leaving the tractor, park the tractor in a flat and safe place, put the shuttle lever and the main shift lever to "N", and block the tires.

[Otherwise]

The tractor may move and cause an accident. Always set the parking brake.

WARMING UP

1. Turn the key to "ON" position and wait a minute.
2. Turn the key to "START" position with the clutch depressed (to ensure safe operation).
3. Check if the engine is running smoothly and repeat above steps if required.
4. Increase the engine to 1,200rpm at idle and warm it up to operating temperature.

CAUTION

- Do not use the starting fluid if the tractor equipped with the cold start device.

JUMP STARTING

1. Connect the red cables to the (+) terminal of starter and the (+) terminal of battery.
2. Connect the black grounds to the (-) terminal of battery and ground(B) of the engine.
3. Turn the key to "START" position.
4. After the stalled engine is started, disconnect the (-) terminal first and disconnect the power cable.

CAUTION

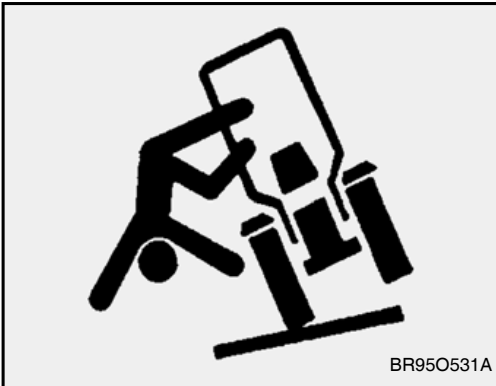
- Battery gives off combustible gases which can explode. Avoid fire or spark from it. Check its terminal (+, -) before the battery is connected.

IMPORTANT

- Connect the battery cable after checking its terminal (+, -). Otherwise, there may be a risk of damage of the electrical system or explosion of the battery.

5-14 BRANSON 9550C

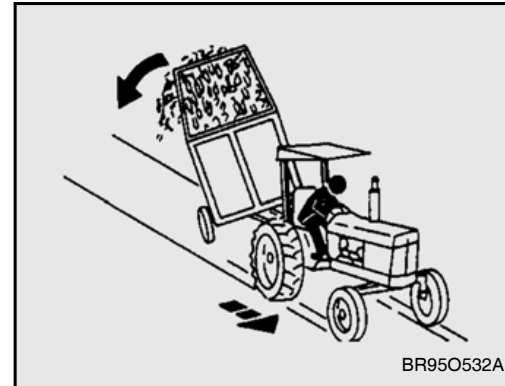
DRIVING ON THE ROAD DRIVING WITH WEIGHT ATTACHED



⚠ CAUTION • Do not tow heavy objects on a road. Otherwise there is a risk of injury or damage to the implement.

- When moving along the uneven road, slow down.
- Load the weight on the front to provide stability and safe turning, if required.
- When towing heavy objects of implements, be careful that the front wheels are not to be lifted.

SLOW DOWN WHEN TOWING LOAD



Follow the instructions of the speed and weight ratio.

1. If the weight of the towed load is lighter than the tractor or same, the maximum speed is 32km/h.
2. If the weight of the towed load is double heavier than the tractor, the maximum speed is 16km/h.
3. Never tow the load more than the double weight of the tractor.

ADJUST THE SEAT AND FASTEN THE SEAT BELT

4. Use extreme caution when making a turn or towing on a slope or unstable surface.

CAUTION

- **Stop distance on a slope is proportional to speed and weight of the towed load. Slow down if the weight of the towed load is heavier than the tractor and no brake system is installed. Observe the instruction of towing speed and weight ratio recommendations.**

Move the seat forward or rearward until you can easily handle the pedals and steering wheel.

The seat belt should go under your belly and waist, across your hips. Otherwise unexpected injury may occur in a crash.

Adjust the steering wheel so as to drive your tractor more comfortable.

CAUTION

Pay attention to the following instructions when driving on a road. Otherwise, there is a risk of the tractor to be out of control.

- **Couple the brake pedals together.**
- **Use the accelerator pedal.**
- **Slow down when driving on an icy, wet, or gravel road.**
- **Install the proper weight.**

CAUTION

- **While slowing down your tractor, press the brake pedal lightly and carefully.**

IMPORTANT

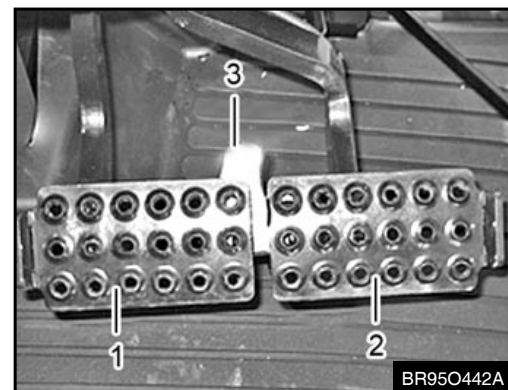
- **To extend the life of the brakes, do not put your foot on the brake pedal unnecessarily.**

WARNING

- **Never adjust the steering wheel while driving. Otherwise, there is a risk of accident.**

5-16 BRANSON 9550C

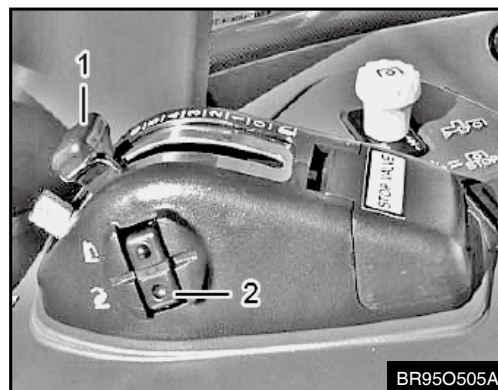
CHECK THAT BOTH BRAKE PEDALS ARE COUPLED



(1) Brake Pedal(LH) (2) Brake Pedal(RH)
(3) Brake Pedal Coupler

Check that the left and right brake pedals are coupled.

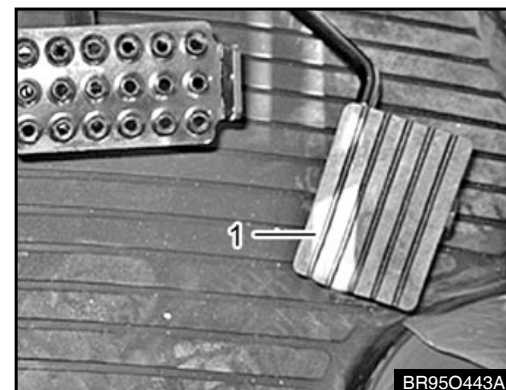
RAISE THE IMPLEMENT



(1) 3PT Hitch Control Lever
(2) One-touch Switch

Pull the 3PT hitch control lever rearward or use the one touch lift switch to raise the attached implement.

USE THE ACCELERATION LEVER



(1) Accelerator Pedal

Increase the engine rpm from slow mode to fast mode slowly.

Shift the F/R shuttle lever to the neutral position or press the clutch pedal completely.

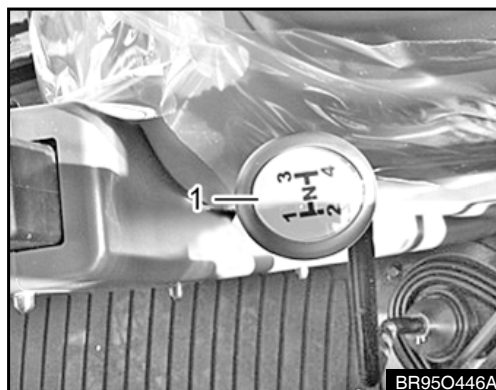
RELEASE THE PARKING BRAKE



(1) Parking Brake Lever

Lower the lever after lifting it up slightly with the button on its tip pressed.

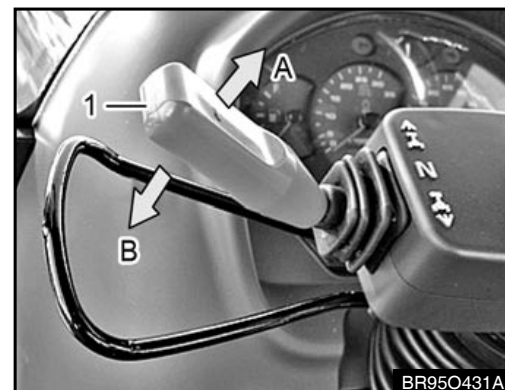
USE THE MAIN SHIFT LEVER/ RANGE SHIFT LEVER.



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

Move the main shift lever and range shift lever for the desired shift.

USE THE F/R SHUTTLE LEVER



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

Move the F/R Shuttle lever to select the desired driving direction.

Forward or reverse driving is available without the clutch activated.

If you have pressed the clutch pedal, release it slowly and then the tractor will start moving.

 CAUTION

- Do not leave your foot on the clutch pedal except for braking, shifting or shutting down the engine. Otherwise it can cause slippage and premature wear of the clutch.

 CAUTION

- Do not change the speed abruptly for safe driving.

 CAUTION

- Be careful of all directions of left and right, forward and reverse before moving the tractor. Otherwise there is a risk of injury.

 CAUTION

- When driving on a steep slope, loading or unloading the tractor, entering the work field, do not leave your hand on the main shift lever. It is danger if the gear is engaged partially. So, engage the gear at the slow mode in advance.

STOPPING THE TRACTOR

1. Stop the tractor using the brake pedals and clutch pedal.
2. Put the main shift gear to "Neutral" position.
3. Put the F/R shuttle lever to the neutral position.
4. Lower all implements on the ground.
5. Put all SCV levers to the neutral position.
6. Turn off the PTO switch.
7. After moving the acceleration lever backward slowly to idling position, run the engine for 1-2 min. with unloaded.
8. Securely apply the parking brake.
9. Turn the main switch to "OFF" position and the engine stops.

 CAUTION

- Before leaving the driver's seat, put the F/R shuttle lever to the neutral position. Otherwise, the tractor can be moved.

PARKING

⊕ IMPORTANT

- Be sure the tractor is stopped before shifting. Otherwise, there is a risk of damage of the transmission.

⊕ IMPORTANT

- Engine parts are cooled down by the engine oil.
- If the heated engine is stopped suddenly, there is a risk of damage of the relevant parts due to overheating or lack of lubricant.

⚠ CAUTION

- Take out the ignition key to prevent driving from unauthorized persons.



(1) Parking Brake Lever

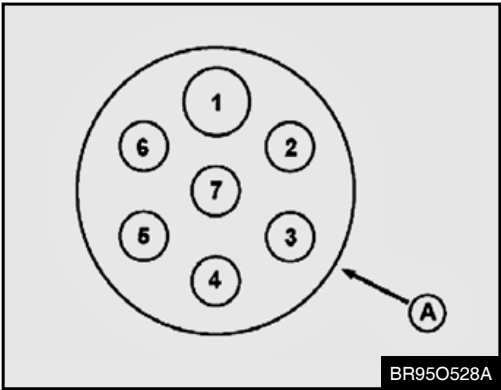
⚠ CAUTION

- The parking brake of this tractor is a gear mesh type.
- Necessarily release the parking brake while driving. Otherwise it can cause a serious fault.
- Be sure that the parking brake is applied when parking and block the rear wheels.

► PARKING BRAKE

When parking or stopping the tractor, pull the parking lever securely. To release the parking brake, lower the lever after lifting it up slightly with the button on its tip pressed.

7-PIN SOCKET



(1) 7-Pin Socket

Socket(A) is used to connect lights, turn signal lamps, devices of trailer and implement. While towing the implement, always use auxiliary lights if some objects interrupt lights such as tail lights.

If the wiring harness of the implement is connected properly, lights of the implement will activated simultaneously with the warning lamp and the turn signal lamps.

⚠ CAUTION

- **Connecting plug is available from Kukje dealer**

Terminal	Function
1	Earth
2	Work Lamp
3	Left Turn Signal Lamp
4	Accessory
5	Right Turn Signal Lamp
6	Tail Lamp
7	Accessory

DIFFERENTIAL LOCK PEDAL



(1) Differential Lock Pedal

When the speed at one wheel starts to drop, depress the differential lock pedal to activate the differential lock.

If the wheel traction resistance on both wheel is 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 would not be disengaged, depress one and another brake pedal separately.

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

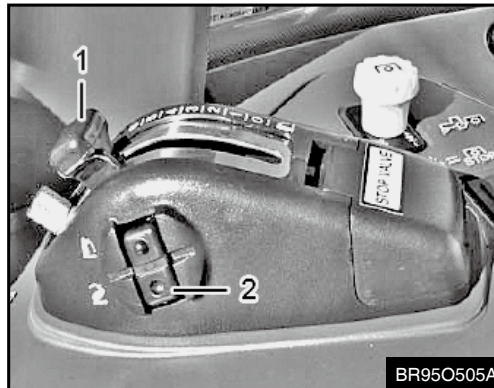
⚠ CAUTION

- Do not drive the vehicle at a high speed with the differential lock engaged.

⊕ IMPORTANT

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

ELECTRO-HYDRAULIC SYSTEM CONTROL LEVER AND ONE TOUCH SWITCH



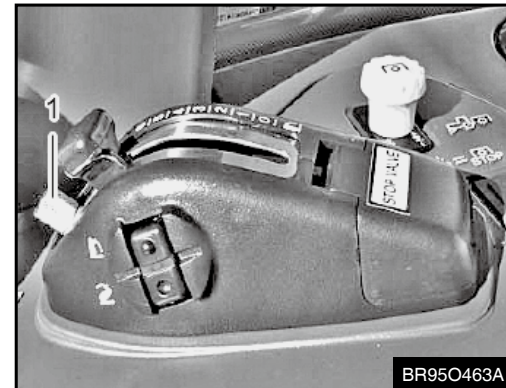
(1) 3PT Hitch Control Lever
(2) One-touch Switch

The 3PT hitch control lever is used to raise or lower the implement freely.

The lockshaft is controlled by the control lever or one touch switch. When raising by the one touch switch, the lifting height is the same as the set one by Up/Down set dia. of the implement.

The control lever is used to raise or lower the implement, if the lever is pulled backward, the implement is raised, and the lever is pushed forward, the implement is lowered.

TO OPERATE THE LOCKSHAFT



(1) Stopper

1. Start the engine.
2. If the lockshaft is not operated, place the control lever equally with the lower link position.
3. The lockshaft is operated by the control lever or one touch switch.

WORKING DEPTH ADJUSTMENT

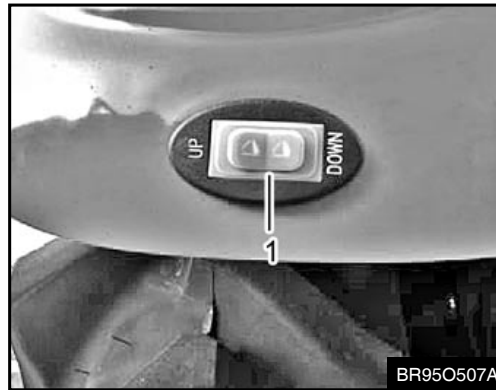
Loosen the stopper of the handle and fix it to the desired position.

After raising the implement, lower push the control lever up to the stopper and then the implement is lowered the same as the working depth.

If it is raised by one touch switch, press the one touch switch and then the lockshaft is lowered to the position of the control lever.

The implement is operated by one touch switch independently with the control lever. It is useful of turning on the pavement.

REMOTE CONTROL SWITCH



(1) Remote Control Switch

The remote control switch attached on the fender is designed to control the lockshaft from outside by the operator. Up and Down speed is set to slow mode, and height and depth setting are ignored.

Never operate the remote control switch while driving. Otherwise, there is a risk of accident.

Hold the switch pressed to move the lockshaft.

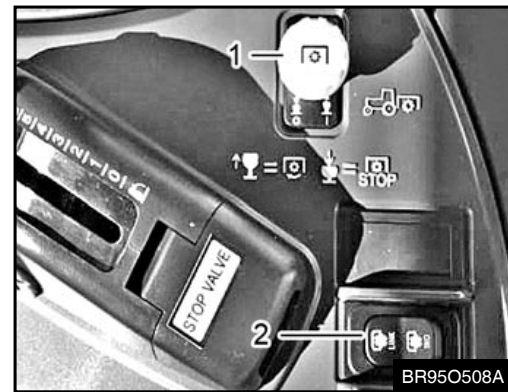
- It is raised if the left switch is pressed.
- It is lowered if the right switch is pressed.

It is not operated by the remote control switch while operating by the control lever. To make it move again, match the control lever with the position of the lower link.

CAUTION

- **Be sure that the parking brake is applied when using the remote control switch not to cause injury by tractor movement.**

PTO SWITCH



(1) PTO Switch
(2) PTO Selection Switch

The engine is not started if the PTO ON/OFF switch is in "ON" position. Place the PTO ON/OFF switch in "OFF" position before starting the engine.

To operate the PTO, turn ON by pulling the PTO ON/OFF switch upward.

DOWN RATE CONTROL DIAL



(1) Lowering Flow Control Dial

Lowering speed of the implement is controlled by the lowering rate control dial.

Lowering speed varies depending on the and the lowering flow control dial and weight on the implement. The heavier the implement, the faster the rate of lowering.

If you turn the dial clockwise, the lowering rate will be faster.

If you turn the dial fully in a counter-clockwise, the implement will not be lowered.

CAUTION

- Excessive lowering speed can cause injury or damage of the tractor and implement. A suitable down speed of the implement is 2 sec. from the max. height. to the min. height.

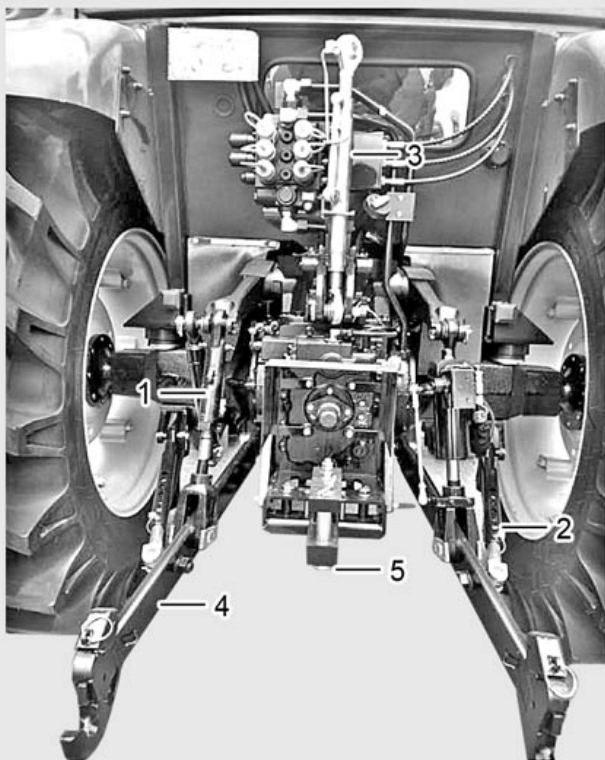
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IMPLEMENT ATTACHMENT

MATCH THE TRACTOR POWER WITH THE IMPLEMENT

CAUTION

- The tractor power must match with the implement size. Excessive power can damage the implement. Check the maximum and minimum limits of the required power before attaching the implement to the tractor.

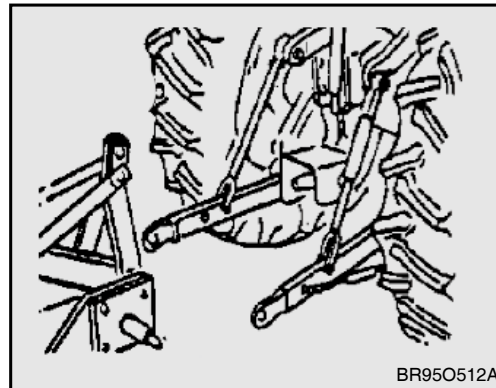
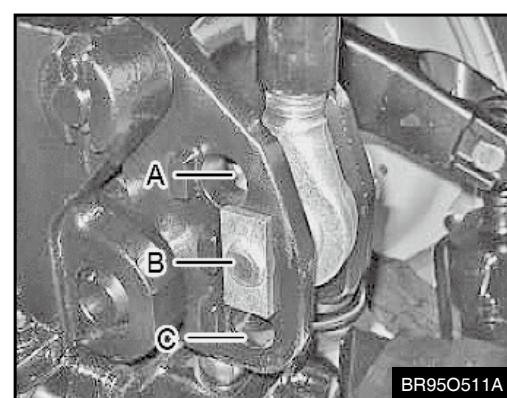


BR95O510A

- (1) Lift Link (2) Stabilizer Link (3) Center Link (4) Lift Link
(5) Draw Bar

CENTER LINK ADJUSTMENT

IMPLEMENT ATTACHMENT



- (A) Minimum Pressure
(B) Standard Pressure
(C) Maximum Pressure

There are 3 different positions to install depending on work types of the center link.

- The position "A" allows the maximum pressure, suitable to plowing.
- The position "B" allows the minimum pressure, suitable to boring machine.
- The position "C" is standard hole for rotary.

1. Move the tractor close to the implement to align 3-point hitch.
2. Apply the parking brake and turn off the engine.
3. Insert the implement hitch pin into the lower link and then fix it with lock pin.

WARNING

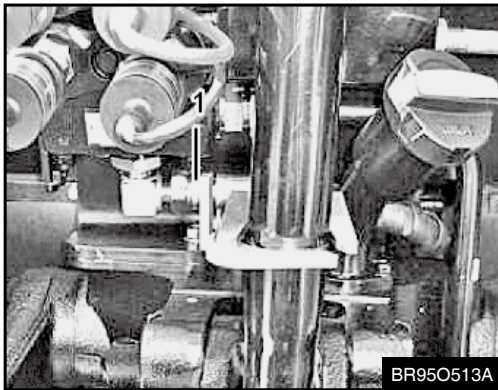
- Turn OFF the towing control before attaching the implement to the hitch to prevent the lockshaft from unexpected movement.

WARNING

Electro-hydraulic lockshaft control

- Turn the towing control knob fully in a counter-clockwise when attaching or removing the implement so as to avoid the hitch movement and personal injury.
- Use the hitch control lever and remote switch when attaching or removing the implement to avoid personal injury. Never use one touch switch.

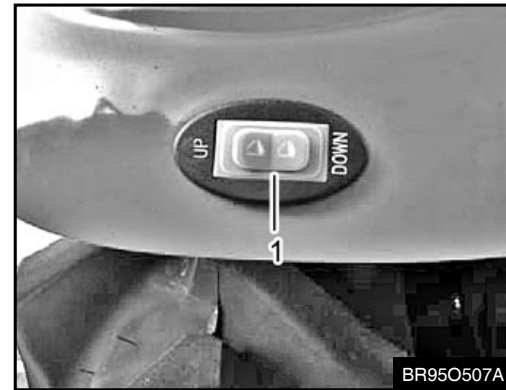
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(1) Center Link

⚠ CAUTION

- Whenever units such as implement, implement quick coupler, and other attachment are attached to 3-point hitch, check if there is no interference, to avoid severe personal injury or damage of the machine.



(1) Remote Switch

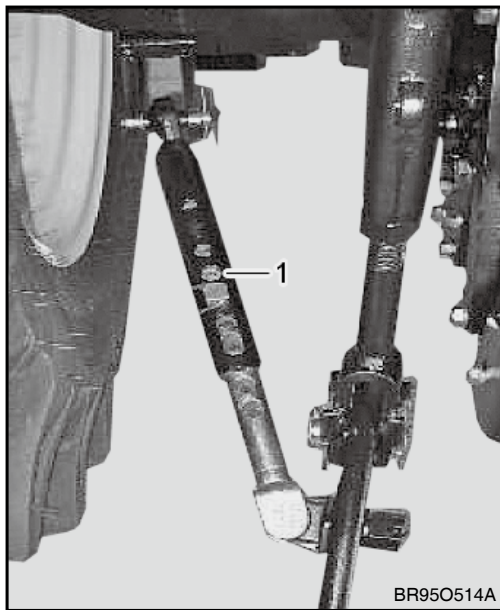
4. Remove the center link from the mounting bracket.
5. Attach the center link to the top mast of the implement.
6. Adjust the lengths of the center link and lower link.

7. Start the engine and check if there is no interference by raising and lowering the implement slowly using the hitch control lever.

⚠ CAUTION

- If it is equipped with the electro-hydraulic system, it is possible to check if there is no interference by raising and lowering the implement using the remote switch which is attached to the outside fender.

STABILIZER BAR ADJUSTMENT



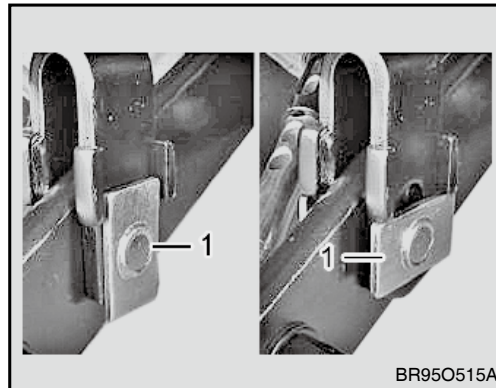
(1) Stabilizer Link

When using the stabilizer link, after removing the ring pin assembly, let the draft link move freely.

Align the implement to the center line of tractor and then install the ring pin to the moderate hole on the stabilizer link.

Follow the same procedures for the opposite stabilizer link.

VERTICAL LIFTING ADJUSTMENT



(1) Square steel plate

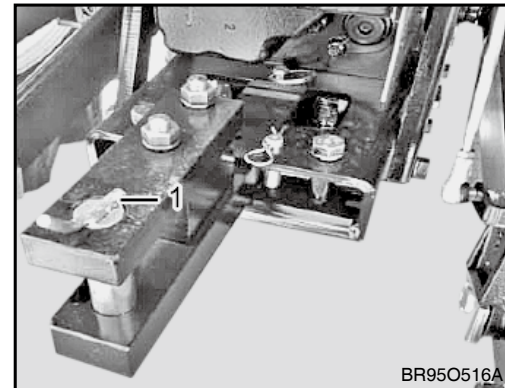
To lift the lower link depending on the terrain, turn the steel plate vertically.

To fix the implement, turn the steel plate horizontally.

⊕ IMPORTANT

- **Do not extend the center link out of the adjustment range. It may damage the thread of center link body screw.**

DRAWBAR POSITIONING



(1) Draw Bar

1. This drawbar is a pivot type.

ATTACHMENT OF PTO DRIVE IMPLEMENT

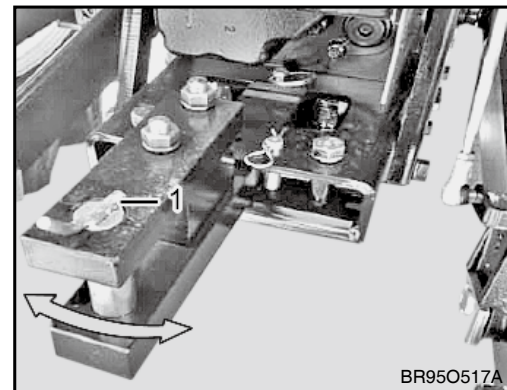
1. Install the implement to the tractor.
2. Raise the implement off the ground.
3. Stop the engine, put the PTO shift lever to "Neutral" position.
4. Connect the connecting joint by rotating the PTO shaft manually, to align the spline.
5. Pull the joint and check the pin is returned to its original position to check that the PTO shaft is securely locked.
6. Move the PTO shift lever depending on work speed.
8. Be sure that all guards are in normal positions and circumstances are suitable. If the mast guard is not properly installed, do not operate the PTO. Check that the shaft is rotating freely with the engine stopped and check all guards. Repair or refuel, if necessary.
9. Check if there is interference.

CAUTION

- Here is a risk of being entangled in the moving parts resulting in injury.
- Do wear the protective clothing and kits and install protective guards for the drive line.
- Do not wear loose fitting clothes.

CAUTION

- Do not remove the protective cover from the PTO drive shaft on purpose. Otherwise, there is a risk of severe injury. Refer to the decal on the cover.



(1) Draw Bar

2. Swing or removing the drawbar when attaching the PTO drive implement.

PRECAUTIONS FOR CONNECTING THE IMPLEMENT

1. When engaging or disengaging the implement by moving the tractor, make sure that no one is allowed around the tractor or between the implement and the tractor.
2. Engage or disengage the implement on a flat and safe place. Supply proper lighting at all times and especially at night.
3. When engaging a heavy implement, load the weight on the front to keep the balance of the tractor.
4. When adjusting the implement, apply the parking brake, switch off the engine, and confirm that the PTO lever is on the "N" position.
5. When towing something, make sure to use the drawbar.
6. Increase the wheel tread on a slope or when towing.
7. Depending on the implement, the overall length may become very long. Pay particular attention to people or objects nearby when making a turn.
8. Do not substitute the balance weight with a person or anything else. Always use the recommended balance weight.
9. For front loader work, mount an implement on the rear to keep the balance of the tractor.
10. Read the instruction manual of the implement mounted to the tractor.



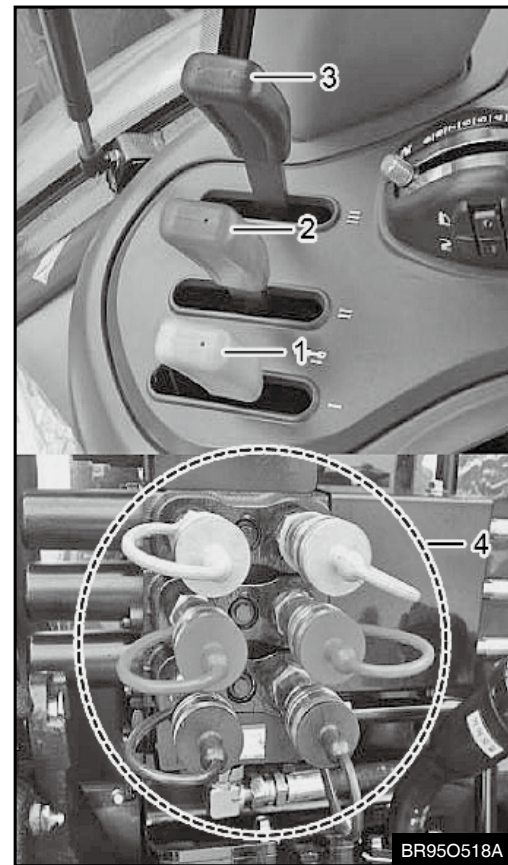
WARNING

- **When the PTO shaft is not in use, affix the safety cover on it.**

[Otherwise]

There is a risk of getting entangled in the tractor or injured.

CONTROL AND OPERATION OF HYDRAULIC SYSTEM SCV CONTROL LEVER AND COUPLER



Levers (1,2,3) are controlled the oil flow and flow rate.

Left coupler is for extension, right coupler is for retraction.

CYLINDER HOSE CONNECTION

1. Differentiate the extension hose from the retraction hose. Extension hose should be connected to the right coupler.

Retraction hose should be connected to the left coupler.

2. Remove the dust cap from the end of the hose.
3. Open the coupler cap.
4. Check if the end of the hose and the coupler are clean. Insert the hose tip into the coupler correctly. Pull the hose once to check it the hose is exactly inserted into the coupler.
5. Match the color both of the lever handle and the valve cap.
6. When connect the outside hydraulic hose, be sure not to introduce foreign material. Necessarily install the connector which is cleaned.

- (1) SVC Control Lever 1
- (2) SVC Control Lever 2
- (3) SVC Control Lever 3
- (4) Coupler

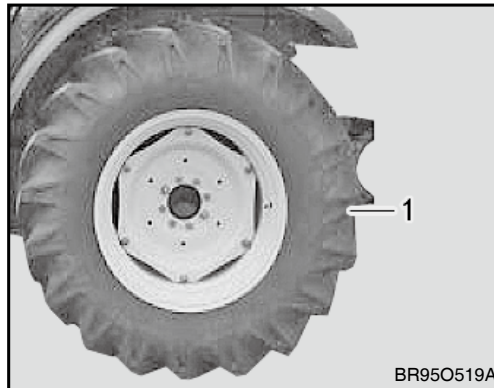
TIRE, WHEEL AND BALLAST TIRE

⚠ CAUTION

- Oil leaking under pressure can penetrate the skin and cause severe injury.
- Relieve all pressure before disconnecting the hydraulic or other lines. Before applying pressure, make sure all connections are tight. Use a piece of cardboard or wood to check leaks and protect your hands and feet from high pressured fluid.
- If injured by leaking fluid, see your doctor immediately. If the penetrated fluid is not surgically removed in hours, skin tissues could die.

⚠ CAUTION

- The hydraulic hose can be damaged by physical damage, aging and explosion. Inspect the hose regularly. If the hose is damaged, immediately replace it.



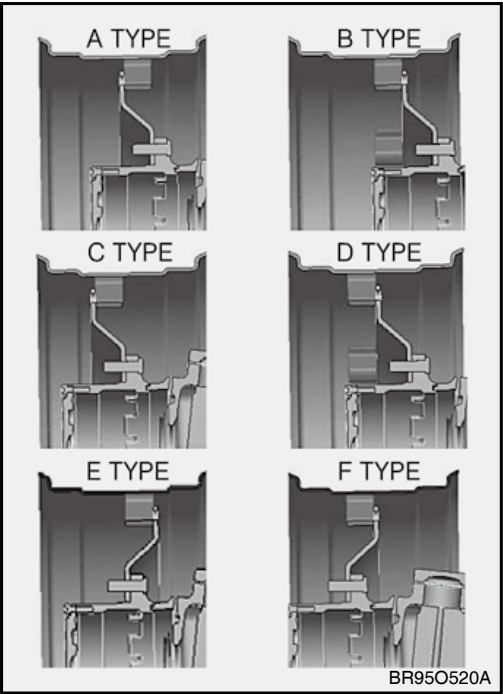
(1) Tire

Tire pressure complies with the requirements at point of production but it may deflate naturally as time passes. So, check the tire pressures every day and inflate if necessary.

TIRE INFLATION

Items	Tire size	Inflation
Front wheels	13.6-24	3.0(Kg/cm ²)
Rear wheels	16.9-34	2.0(Kg/cm ²)

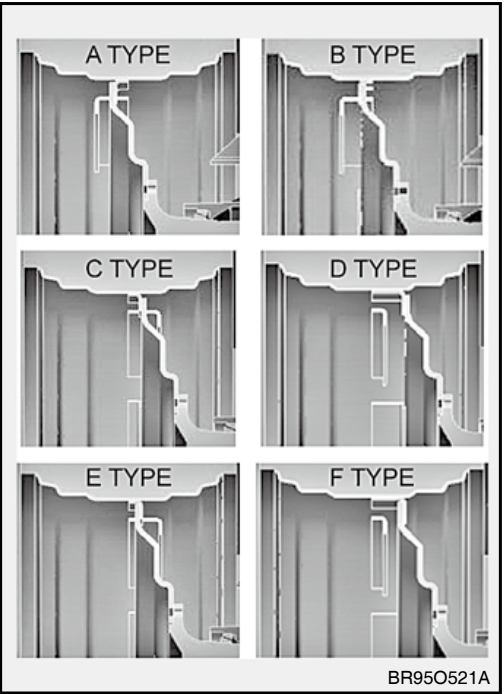
TRACK WIDTH (FRONT WHEELS)



Adjust the track width of the tractor depending on kind and condition of crops. Extend the track width when working or towing at a slope. Consult your dealer about it.

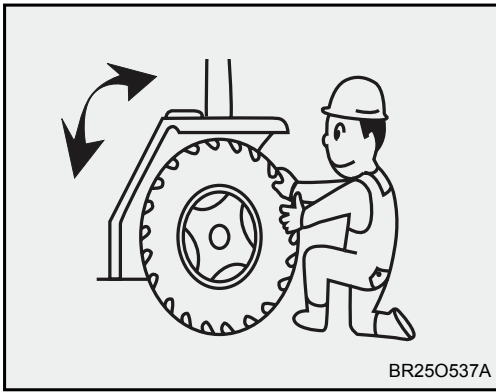
Items	A	B	C	D	E	F
Width (mm)	1,772	1,881	1,676	1,786	1,679	1,584

TRACK WIDTH (REAR WHEELS)



Items	A	B	C	D	E	F
Width (mm)	1,554	1,578	1,684	1,766	1,652	1,734

TIGHTENING TORQUE



► Front & Rear Wheel

DESCRIPTION	TIGHTENING TORQUE
Bolts on wheels and axle	280 lbf-ft (40 kgf.m)
Bolts on rim and disk of wheels	250 lbf-ft (35 kgf.m)

WHEEL/AXLE TIGHTENING

⚠ CAUTION

- Do not operate the tractor with rims, wheels, hubs or axles loosened.

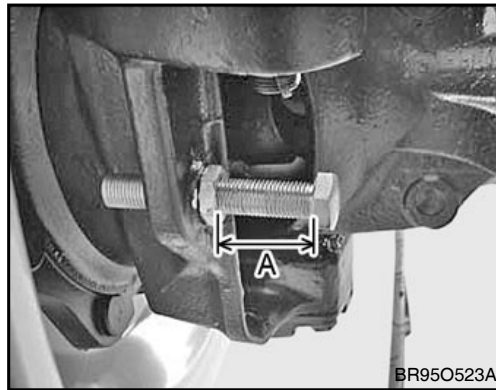
If wheel/axle is loose, tighten it to a specified torque.

NOTE

In case of new tractor or when wheels are replaced, proceed the following procedures.

1. Move the tractor about 100 m and then tighten wheel/axle to a specified torque.
2. Check wheel/axle after 10 hours or 3 hours of operation.
3. Check all wheels/axles frequently and tighten them securely if necessary.

CHECKING FRONT AXLE SWING STOPPER SIZE



(A) Length Of Swing Restriction Stopper Bolt of Front Axle

Length of swing restriction stopper bolt of front axle: 40 mm (Distance between case machined surface and bolt neck)

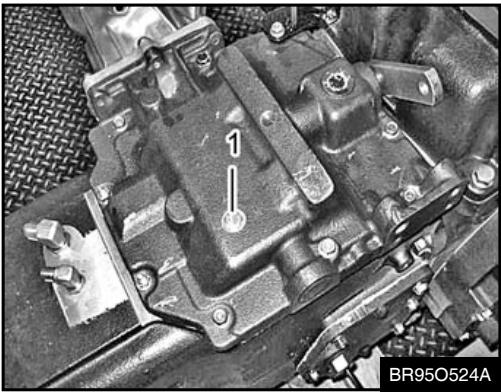
Left and right adjustment of length must be same.

When installing the loader, the loader frame can interfere with tire. When installing the loader, consult your dealer about adjustment of "A" size.

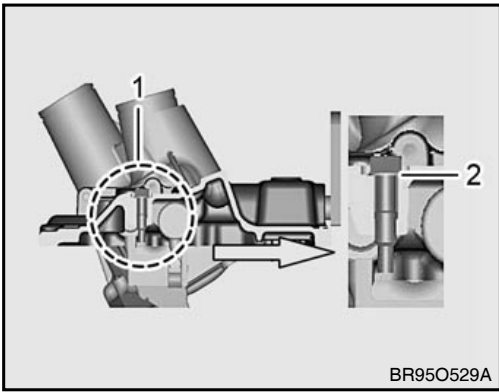
⚠ CAUTION

- If the size is smaller than the limit, rotary tire can come in touch with the side of the hood resulting in damage of the hood.
- Also, in case of tire size change intentionally, it may cause damage of the hood. When you change the tire size, consult your authorized dealer.

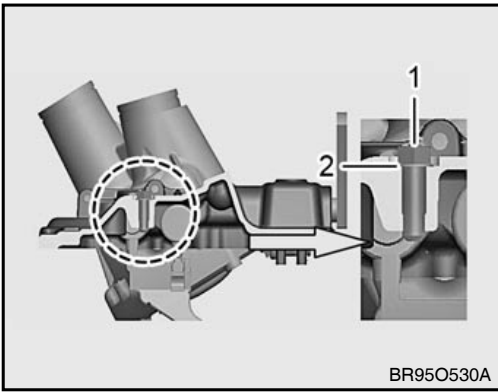
USING CREEP SPEED (OPTIONAL)



(1) Range Shift Stop Bolt



(1) Range Shift Stop Bolt
(2) Copper Packing



(1) Hex. Bolt
(2) Copper Packing

1. Stop bolt is installed to make creep speed (optional) mode not available. Replace the bolt as following manner to use the creep mode.

2. Replace the range shift stop bolt on the transmission cover top with the hexagonal bolt.

3. At this time, necessarily replace the copper packing on the bolt bottom with new one. Otherwise, it can cause leakage.

NO	Drawing no.	Name	QTY
1	FGF7220000A	Range shift stop bolt	1
2	26116 100302	Hexagonal bolt	1
3	23414-100000	Copper packing	1

DRIVING ON THE SLOPE



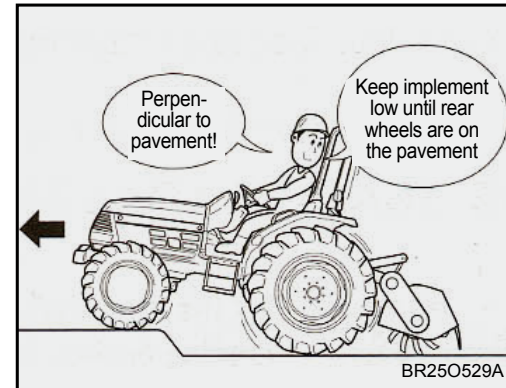
⚠ WARNING

- Select a proper speed, and do not shift the gear.
- Do not park on a slope. Otherwise, the tractor may slip or overturn and cause an accident.
- Reduce speed and pay special attention to the speed.

⚠ WARNING

- Do not depress the clutch pedal when driving on a slope. The tractor may slide down and lead to a serious situation.
- When starting the tractor upwards on a slope, start slowly in low gear with low engine rpm. Otherwise, the front of the tractor may be lifted and cause a very dangerous situation.
- You may shift the gear when you are no longer on the slope. If you stop on a slope, apply the parking brake. Otherwise, you may be exposed to a risk of accident.

ENTERING AND LEAVING THE PAVEMENT



⚠ WARNING

- Make sure to connect the brake pedal. Otherwise, the tractor may turnover due to one-sided braking.

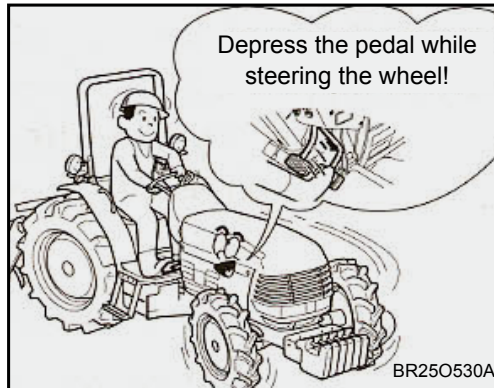
TURNING ON THE PAVEMENT

WARNING

- When you cross a dike or raised ground to enter or leave the pavement, use loading ramps with sufficient strength, and lower the implement to achieve a lower center of gravity.
- Drive backward when climbing up a steep slope, and drive forward when climbing down.

NOTE

- Enter or leave the pavement in a perpendicular direction. When climbing onto the pavement, lower the implement to achieve a lower center of gravity. Once all wheels of the tractor are on the pavement, raise the implement.



WARNING

- Make sure to release the differential gear lock before making a turn.
- [Otherwise]**
The tractor will not turn in the intended direction but may cause an accident.

When making a turn, reduce the engine rpm and make a slow turn. When making a turn on the pavement, remove the connector of the brake pedals. Depress the brake pedal on the side to which to make a turn, while steering the wheel, this will allow the tractor to make the turn without moving ahead. Make sure to keep the implement in the up position when making a turn.

TRACTOR LOADING /UNLOADING

POWER STEERING

DANGER

- Fix the direction so that the tractor will not have to modify its direction on the loading bridge, and proceed at the lowest speed.
 - Never depress the clutch pedal to change direction or stop.
- [Otherwise]
There is a danger that the tractor may turn over.

WARNING

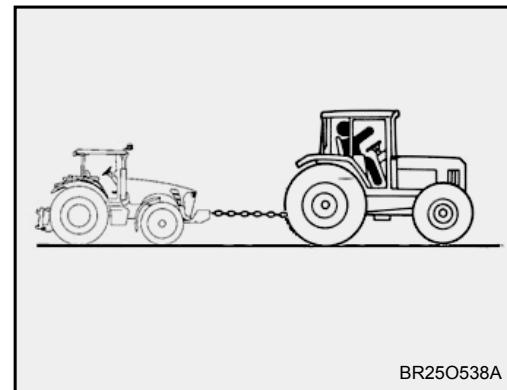
- Loading and unloading must be done on flat and safe place, with the engine turned off and the parking brake engaged. The loading lamp must be non-slippery and have sufficient strength, length, and width for the tractor. To avoid slipping of the loading lamp, latch it securely onto the truck. Move the tractor backward when loading, and forward when unloading. Fasten the tractor to the truck securely with rope.
- [Otherwise]
The tractor may fall off the truck and cause an accident.

CAUTION

- Pay attention to the steering wheel while driving, because it can be very lightly manipulated when the engine is running.
- Power steering will run only when engine is running. When engine is idling, power steering may feel a little heavy.
- If the wheel is steered to the maximum, the relief valve is opened and a warning sound will be made. Do not continue to operate the tractor with the warning sound.
- Do not steer the wheel unnecessarily, because steering the wheel without moving will attribute to early wear of tires and rims.

5-38 BRANSON 9550C

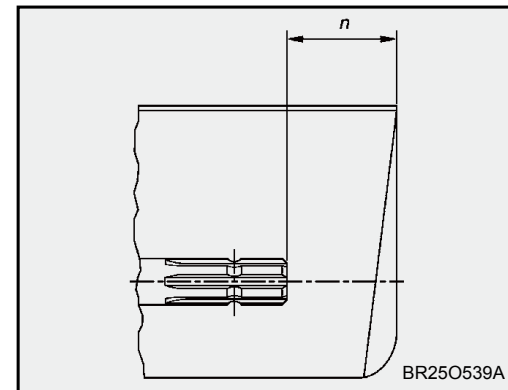
TOWNING INSTRUCTIONS



1. Tractor traction should be conducted in short distance. (For instance, from inside to outside)
2. Long distance towing is not allowed in traffic congestion.
3. In case tractor needs to tow, use strong and safechecked chain.
4. Traction must be conducted from the rear in usage of tow bar, tow hook and 3-point linkage.

5. When driver turns the handle, use the brake if necessary.
6. During traction, the transmission, not being lubricated but rotating or other parts in order to prevent breakage, please note the following:
7. Towing should be in short distance.
8. Traction speed is restricted to less 8km/h.
9. If possible, start the engine in order to make the power steering lubricated.
10. Place the main gearshift and sub gearshift in neutral.

PTO SPECIFICATIONS & PRECAUTIONS



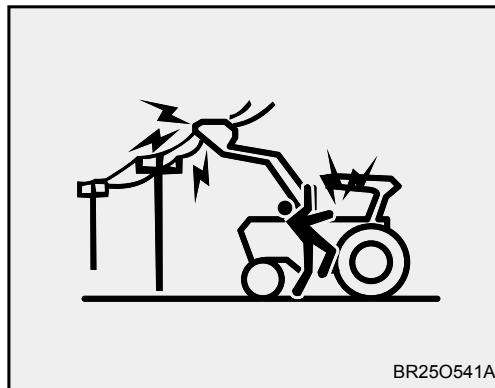
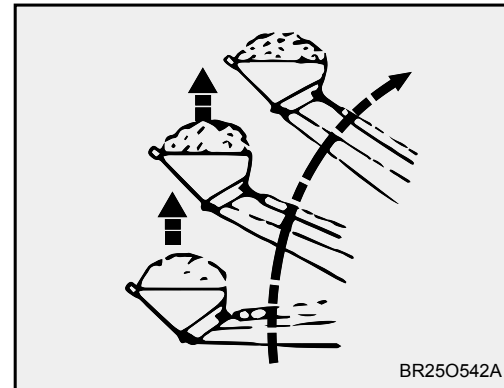
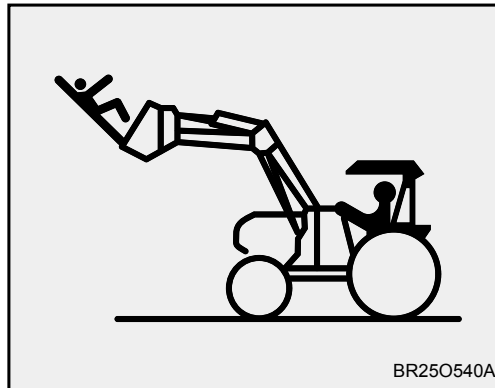
Wear close fitting clothing. Stop the engine and be sure that PTO drive-line is stopped before making adjustments, connections, or cleaning out PTO driven equipment.

Do not install any adapter device that results in a portion of the rotating implement shaft, tractor shaft, or the adapter to be unguarded. The tractor master shield shall overlap the end of the splined shaft and the added adaptor device as outlined in the table.

LOADER OPERATION

in.(mm)

PTO Type	Diameter	Splines	0.20
1	1.378 (35)	6	3.5 (91)



Work with front-end loader. (Risk of falling objects)

! WARNING

To avoid serious injury or death:

- Do not lift or carry anyone on buckets, forks spears or any other portions of the loader or loader attachments.
- Inadvertent movement of the loader or attachment could result in serious injury or death.

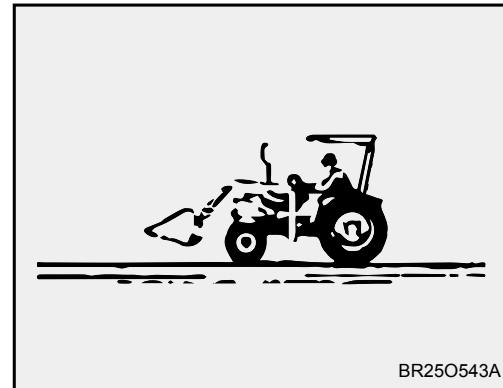
CARRYING THE LOAD

WARNING

- Avoid contact with electrical power lines by loader or attachments.
- Do not lift or carry anyone in the bucket or on any other position of loader attachment.
- Inadvertent movement of the loader or attachment could result in serious injury or death from falling or crushing.

CAUTION

- Make sure material in bucket cannot roll out and down on tractor when bucket is raised to full height.
- Keep clear of overhead obstructions such as trees, limbs or power lines when raising bucket.
- When lifting the load, keep the bucket positioned to avoid spillage.



1. Position the bucket just below the level of the tractor hood for maximum stability and visibility, whether the bucket is loaded or empty.
2. Use extreme caution when operating the loader on a slope, keep the bucket as low as possible, this keeps the bucket and tractor center of gravity low and will provide maximum tractor stability.

CAUTION

- Operating the loader on a hillside is dangerous. extreme care is recommended.

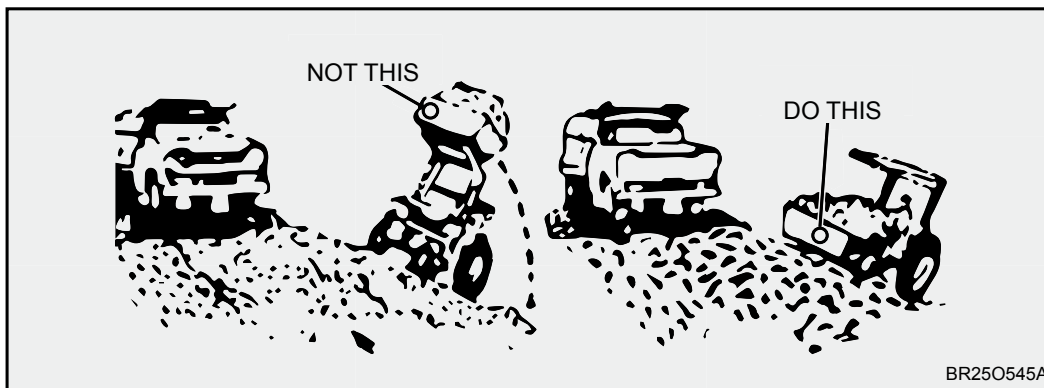
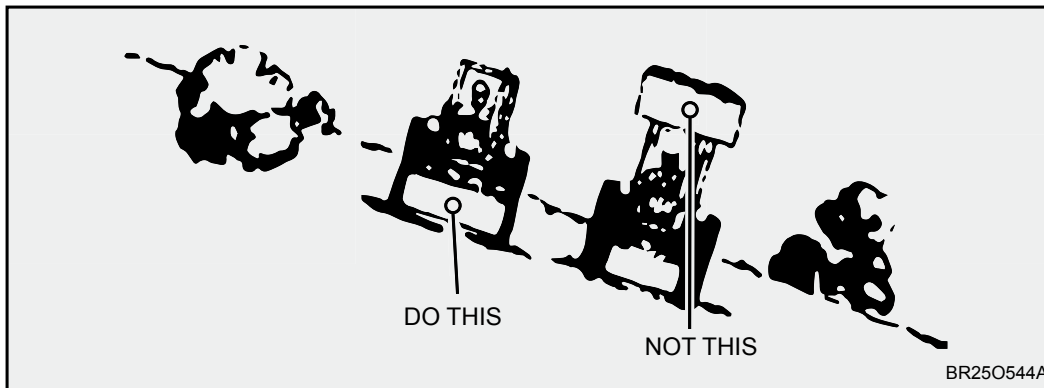
HANDLING LARGE HEAVY OBJECTS

WARNING

- Do not use front end loaders for handling large, heavy objects such as large, round or rectangular bales, logs and oil drums.
- Handling large heavy objects can be extremely dangerous due to.
 1. Possibility of rolling the tractor over.
 2. Possibility of upending the tractor.
 3. Possibility of the object rolling or sliding down the loader arms onto the operator.

CAUTION

- When transporting the load, keep the bucket as low as possible to resist tipping, in case a wheel drops in a rut. This will avoid tipping and possible injury.



When transporting the load, keep the bucket as low as possible to avoid tipping, in case a wheel drops in a rut.

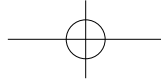
 CAUTION

The following safety precautions should be thoroughly understood before attempting machine assembly.

- Do not lift heavy parts or assemblies. Use crane, jack, tackle, fork trucks, or other mechanical devices.
- Select an area for assembly that is clean and free of any debris which might cause persons working on the assembly to trip.
- Arrange parts to be assembled neatly in the work area and have tools and other mechanical assisting devices in easy reach.
- Inspect all parts and assemblies thoroughly and remove any sharp edges, grease, oil, or dirt which might cause pieces to slip when handling.

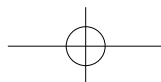
 CAUTION

- Preview the assembly instructions in your operator's manual before proceeding further.
- If the assembly instructions call for parts or assemblies to be blocked up, use only blocking material that is in good condition and is capable of handling the weight of the assembly to be blocked. Also, insure that the blocking material is on a clean, dry surface.
- Never put hands or any other body under blocked up assemblies if at all possible.
- Always wear goggles or safety glasses when hammering, grinding or drilling metal parts.
- If the assembly calls for welding or cutting, be sure that there are no flammable materials close at hand and that bystanders have taken necessary precautions.



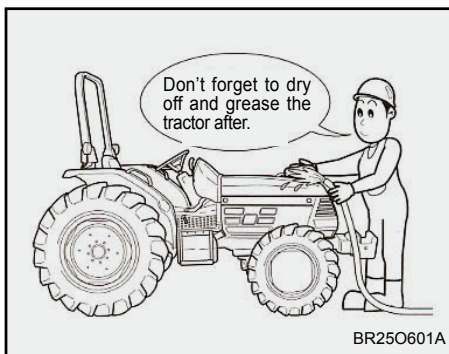
6. MAINTENANCE AFTER WORK

MAINTENANCE AFTER WORK.....	6-2
MAINTENANCE FOR PROLONGED STORAGE	6-2



6-2 BRANSON 9550C

MAINTENANCE AFTER WORK



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

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

⚠ DANGER

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

[Otherwise]

There is a risk of fire.

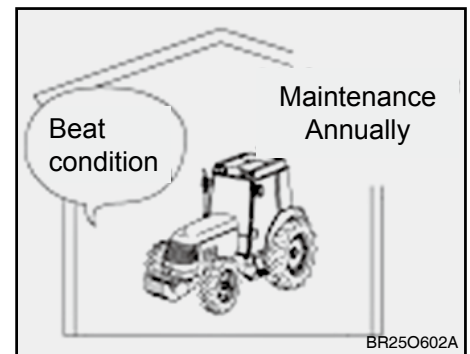
⚠ CAUTION

- 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.

MAINTENANCE FOR PRO- LONGED STORAGE



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.

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

⚠ CAUTION

- When storing the tractor for a long time, take out the key and keep it in a safe place. Otherwise, there is a risk of accident.

[Otherwise]

There is a risk of getting entangled in the tractor or injured.

⚠ WARNING

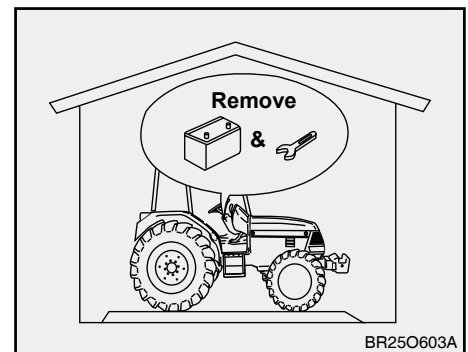
- Carry out maintenance on a flat and safe place where the tractor will not fall or move and there is no traffic danger. Also, block the front tires to prevent moving of the tractor. Otherwise, there is a risk of accident, such as overturning of the tractor.

⚠ WARNING

- Carry out checking and maintenance for each part every year.
- In particular, replace the fuel pipe and the steering wheel hose 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 detached 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.



When the tractor will not be used for a long time, store it in the following manner.

1. For long storage, put the ignition switch to "OFF"
2. Select a dry and well-drained place for storage. Remove the weights & implement or put it down onto the ground.
3. Apply the anti-corrosion oil or engine oil and grease on the parts that are subject to rust.

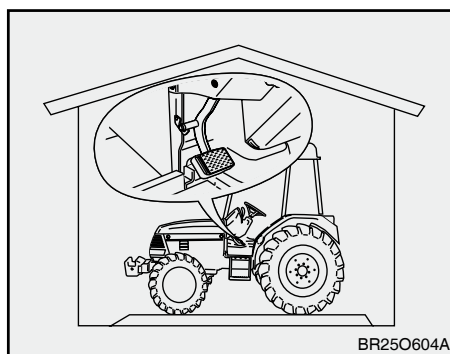
6-4 BRANSON 9550C

4. Fill up the fuel tank. Empty space in the fuel tank will produce dew-drops that will produce condensation that will be the cause of rust formation. And lock the fuel cock to "C". (Closed)
5. 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

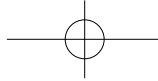


CAUTION

- The battery will be discharged even if it is not in use. Recharge it fully every 12 months.

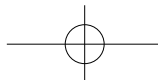


6. Drain the coolant.
7. Cover the air cleaner, muffler, and engine oil inlet with plastic sheets to keep moisture away.
8. Keep the clutch pedal in a depressed position to avoid rust on the clutch.
9. Maintain the air pressure in the tires.



7. PERIODIC MAINTENANCE AND ADJUSTMENT

PERIODIC MAINTENANCE SCHEDULE.....	7-2	FUEL PIPES AND HOSES	7-16
OIL, GREASE AND ANTI-FREEZE CHART	7-4	ELECTRICAL CABLES	7-16
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OPENING HOOD	7-6	STEERING WHEEL.....	7-17
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FRONT AXLE FLUID	7-9	AIR COMPRESSOR BELT	7-20
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7-2 BRANSON 9550C

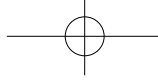
PERIODIC MAINTENANCE SCHEDULE

RUNNING HOURS		50	100	150	200	250	300	350	400	450	500	550	600	650	700	1YR	2YR
CHECK ITEMS																	
1. Engine oil	R	○					●				●						
2. Engine oil filter	R	○					●					●					
3. Transmission fluid	R	○						●						●			
4. Transmission fluid filter	R	○						●						●			
5. Front axle fluid	R	○						●						●			
6. Radiator cleaning		At the time the coolant is replaced															
7. Fuel oil filter and element	C		●		●		●		●		●		●		●		
	R						●						●				
8. Coolant		Check before every work (Replace every year)															
9. Air cleaner element	CL	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	R										R						
10. Fan and radiator cleaning	CL	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
11. Battery solution		Replace every two years															
12. Battery (specific gravity)	C		●		●		●		●		●		●		●		
13. Fuel pipe and connection	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	R																●
14. Steering wheel hose	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	R																●
15. Radiator hose	C				●				●				●				
	R																●

PERIODIC MAINTENANCE AND ADJUSTMENT **7-3**

RUNNING HOURS		50	100	150	200	250	300	350	400	450	500	550	600	650	700	1YR	2YR
CHECK ITEMS																	
16. Hydraulic fluid hose	C		●		●		●		●		●		●		●		
	R															●	
17. Fuel hose	C		●		●		●		●		●		●		●		
	R															●	
18. Electric cables	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
19. Greasing	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
20. Tightening handles	C		●		●		●		●		●		●		●		
21. Tightening bolts&Nuts	C	●	●		●		●		●		●		●		●		
22. Cooling fan belt	A	●	●		●		●		●		●		●		●		
23. Clutch	A		●		●		●		●		●		●		●		
24. Brake	A		●		●		●		●		●		●		●		
25. Engine breed pipe	C	●	●		●		●		●		●		●		●		
26. Engine crankcase cleaning	CL						●						●				
27. Intake/exhaust gas valves	C												●				
28. Fuel injection valve	C												●				
29. Generator motor	C	●	●				●				●						
30. Hydraulic system	C	●	●				●				●						

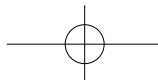
- ※ Meanings of symbols=R:Replace C:Check A:Adjust CL:Clean
- ※ Inspection should be done every 50 hours. If the tractor is not used much, inspect every year.
- ※ Replace parts every two years regardless of running hours.

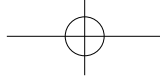


7-4 BRANSON 9550C

OIL, GREASE AND ANTI-FREEZE CHART

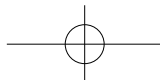
ITEM	TYPE	REMARK
1. Fuel	Diesel (KS 2)-(Summer : S, Winter : W)	Use winter diesel when temperature is below 50°F
2. Engine oil	SAE 10W-40	Above CG grade
3. Grease	Arctic Grease Below 14°F [-10°C] SAE (NLGI) #0, #1 32~ -22°F [0~ -30°C] SAE (NLGI) #2 32~122°F [0~50°C]	For multi purpose
4. Coolant Anti - Freeze	ASTM D4985 Extended Life antifreeze	
5. Transmission / Hyd oil	TF500	Branson Origin Oil Texaco TDH oil, 1893
6. Front axle oil	SAE 80W-90	





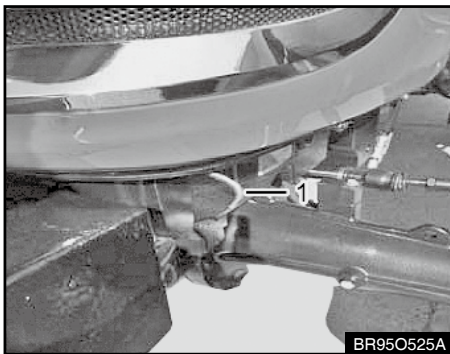
FUEL, OIL AND COOLANT CHART

ITEM	CAPACITY	REMARK
1. Fuel	31.7 gal (120 L)	Diesel
2. Engine oil	2.3 gal (9 L)	SAE (Above CG grade)
3. Coolant	14.7 gal (56 L)	TF500
4. Transmission / Hyd oil	3.2 gal (12 L)	TF500
5. Front axle	0.4 gal (1.5 L)	TF500

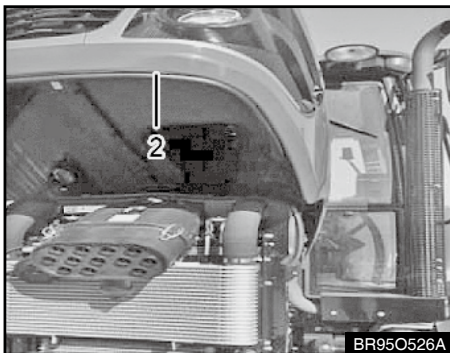


7-6 BRANSON 9550C

OPENING HOOD



(1) Open Lever



(1) Hood

1. If you pull the hood opening lever, the hood retaining is released.
2. Lift the hood with both hands slightly until the hood is automatically raised by the gas spring.
3. When you close the hood, hold the portion by hand and press it down gently until you can hear "Click" sound.
4. After closing the hood, try to lift the hood and check that it is securely fixed.

CHECKING AND CHANGING ENGINE OIL

Do not dispose of waste oils in waterways or in sewage system, but take appropriate measures such as contacting a waste oil disposal specialists.

⚠ DANGER

- **Never fill the fuel tank when the engine is running or hot. .**

[Otherwise]

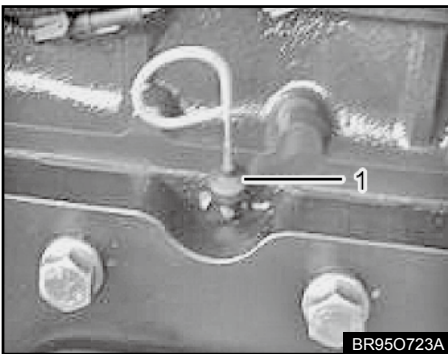
There is a danger of fire.

⚠ CAUTION

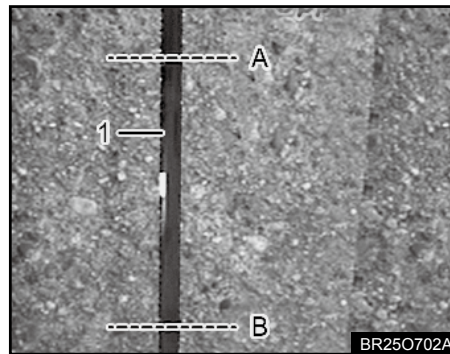
- **Do not change oil just after stopping the engine.**

[Otherwise]

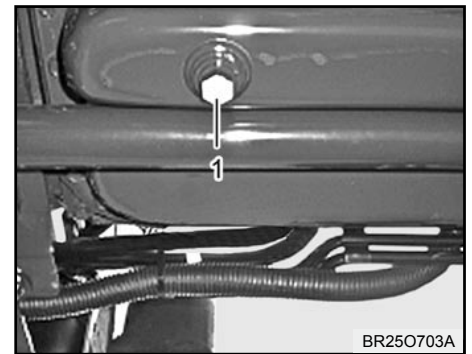
There is a danger of getting burnt.



(1) Oil Dipstick



(1) Dipstick
(A) Upper Limit
(B) Lower Limit



(1) Drain Plug

► CHECKING OIL

Pull out the dipstick, clean the tip of dipstick, put it back into the engine, and pull it out again to see if the oil level is between the upper and lower limit. If the oil level is below the lower limit, add oil.

⚠ CAUTION

- Check the oil level before the engine is started or after the engine is cooled down.

► CHANGING OIL

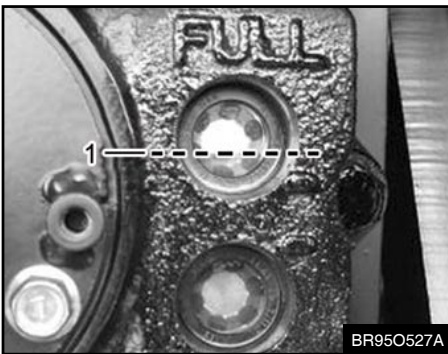
Drain the oil by removing the plug under the engine. Put new oil through the engine oil filler hole. Change the oil periodically, and select the right type of oil depending on the temperature and usage.

⚠ CAUTION

- Drain the oil when oil is warm but be careful. If oil is hot, there is a risk of getting burnt.

7-8 BRANSON 9550C

TRANSMISSION / HYD OIL

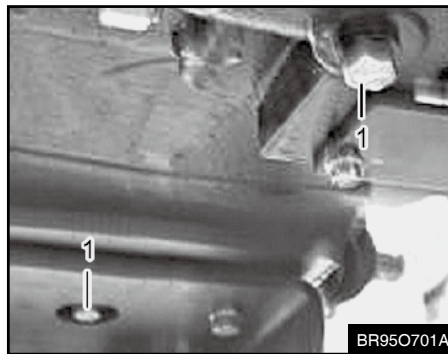


(1) Inspection Window

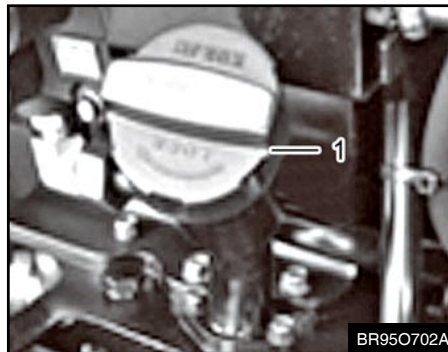
►CHECKING OIL

Check the fluid level through the inspection window at the rear side of the transmission compartment.

The level should be 1/3 above in upper window. If the fluid level is below proper lever, add fluid



(1) Drain Plug



(1) Oil Filler

►CHANGING OIL

Drain the fluid through the drain holes under the rear axle case and rear axle housing. Supply the fluid through the filler hole behind the hydraulic case.

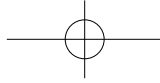
1. Transmission oil can be used for the hydraulic system and for the power steering unit.
2. Make sure to use the genuine Branson transmission fluid.

⚠ CAUTION

- Drain the oil when oil is warm but be careful. If oil is hot, there is a risk of getting burnt.

⚠ DANGER

- Be sure to turn "OFF" the main switch to stop the engine before pulling out the oil dipstick.



FRONT AXLE FLIUD



(1) Front Axle Oil



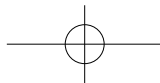
(1) Drain Plug

► CHECKING

Loosen the bolt inside of the front axle case. Oil level should reach the bolt hole.

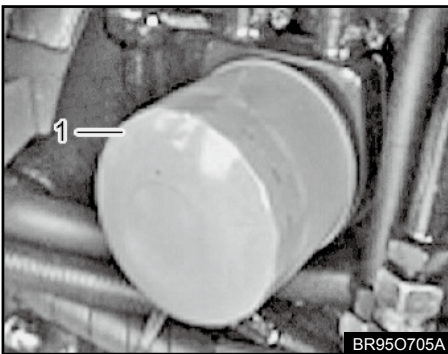
► CHANGING OIL

Drain oil from the drain plug on the front bottom of the front axle case.



7-10 BRANSON 9550C

FILTERS / COOLANT REPLACEMENT ENGINE OIL FILTER



(1) Engine Oil Filter

Replace it every 300 hours or when engine oil is changed.

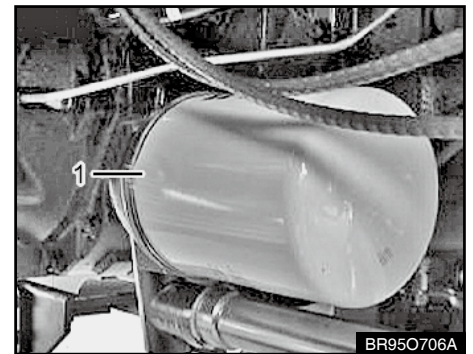
NOTE

- First 50hr filter has to be changed.

► REPLACEMENT

1. After draining the engine oil, turn the cartridge to the left with the filter wrench.
2. Apply a thin film of oil over the rubber ring on the bottom of the new cartridge and attach the new filter securely.
3. After changing the engine oil, start the engine and run it until the engine oil pressure warning lamp is turned off .
4. After the oil pressure warning lamp is turned off, check the oil level again. Add oil as necessary.

TRANSMISSION / HYD OIL FILTER



(1) Transmission Oil Filter

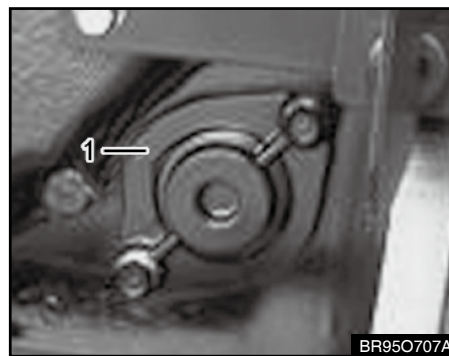
The filter is a cartridge type.

NOTE

- First 50hr, filter has to be changed.

► REPLACEMENT

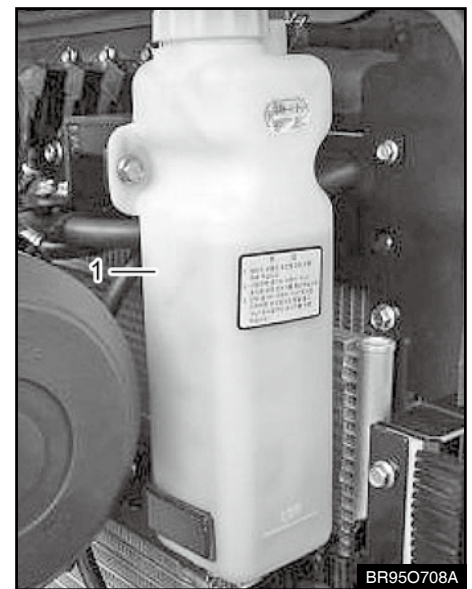
1. After draining the transmission fluid, turn the cartridge to the left to take it out.
2. Apply a thin film of fluid over the rubber ring on the bottom of the new cartridge and attach the new filter securely.
3. After changing the transmission fluid, start the engine to circulate the fluid and then stop the engine. Check the fluid level at dipstick on left axle housing and add fluid as necessary. (When replacing the oil filter, clean or replace the strainer in the transmission as well.)



(1) Cover

The strainer can be found by opening the cover.

COOLANT



(1) Wash Liquid Tank

► CHECKING

Open the engine hood and see if the water level in the reservoir is between the upper and lower limit. Add clean water as necessary.

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► REPLACEMENT

1. Open the radiator cap and the drain plug to completely drain the water from the radiator.
2. Rinse the radiator with tap water until no dirt or rust comes out.
※ For better results, fill the radiator with water mixed with radiator flush, run the engine for over 15 minutes, and drain the water solution
3. Replace the drain plug, add anti-freeze and fill the radiator with tap water.
4. Replace the radiator cap and run the engine to mix the anti-freeze and water.



DANGER

- **Do not open the radiator cap while the engine is running or right after the engine is stopped. Open the radiator cap only after the engine is stopped and fully cooled down.**

[Otherwise]

Hot water will splash and may cause burn injury.

► HANDLING OF ANTI-FREEZE

Anti-freeze has an effect of lowering the freezing point of water. This tractor is filled with international genuine anti-freeze when delivered from the factory. As the freezing point may differ depending on the mixture ratio, refer to the following table in very cold weather to ensure safety.

► ANTI-FREEZE MIXTURE RATIO

Outdoor Temp (°F)	23	14	5	-4	-13	-22
Ratio (%)	82	73	66	61	55	49
Anti-Freeze (%)	18	27	34	39	45	51

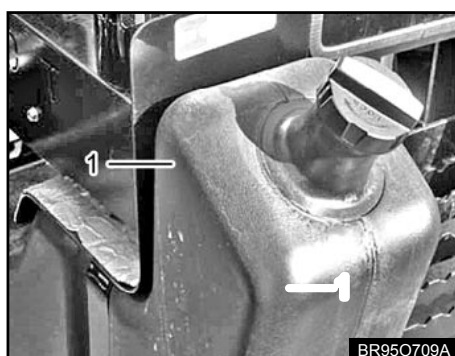


CAUTION

- **When replacing the coolant, add anti-corrosive solution and run the engine for about five minutes to mix it with the water.**
- **For correct mixture ratio, refer to the manufacturer's instructions.**
- **When refilling the coolant, add only tap water.**
- **As anti-freeze expires in one year, replace the coolant every year.**

OTHERS

INSPECTING FUEL AND REFUELING



(1) Fuel Tank

Turn ON the main switch and if the fuel level indicates the diagonal area, open the fuel cap and fill up the tank through the filler.

Also, open the hood and check there are no leaks.

⚠ DANGER

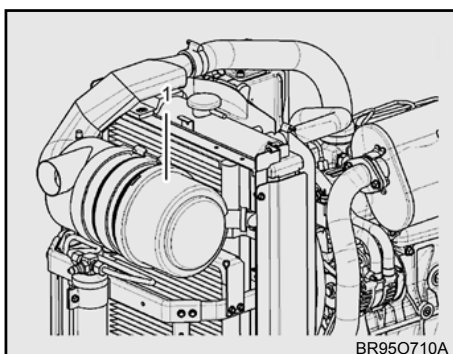
- Lit cigarette, lighter or any flammable source must keep a distance while refueling.
- After filling the tank, securely close the fuel cap and wipe off any spillage.

RADIATOR SCREEN AND AIR CLEANER

The Air cleaner removes the dust mixed in the intake air, thereby preventing abrasion of cylinder liners and piston rings to keep the engine in good condition. When working in dusty environments clean the air filter every 50 hours and replace it every 400 hours.

In normal working environments, clean the air filter every 100 hours and replace it every 1,000 hours. If the running hours are shorter, replace the element after one year.

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(1) Air Cleaner

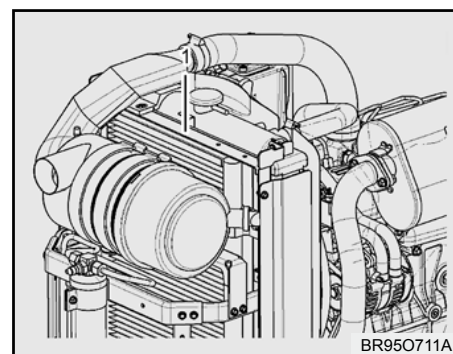
► CLEANING OF AIR CLEANER

Open the cover and take out the element. Blow air inside the element or shake it to take the dust off the element. Be careful to avoid damage to the pins.

► CLEANING OF RADIATOR SCREEN

Pull out the air cleaner fixing band for radiator disassembly. Pull up the radiator cleaner in the direction of arrow mark and unfold it upward and pull out upward.

Remove straw and dust. Clean it before and after work.



(1) Radiator Screen

► CLEANING OF RADIATOR SCREEN

Pull out the air cleaner fixing band for radiator disassembly. Pull up the radiator cleaner in the direction of arrow mark and unfold it upward and pull out upward.

Remove straw and dust. Clean it before and after work.

BATTERY



1. When replacing the battery, make sure to install the battery of the same capacity as designated in the instruction manual.
2. To preserve the environment and to recycle resources, do not discard the old battery and hand it over to the battery dealer for proper disposal.

DANGER

- Avoid heat when checking or charging the battery.

[Otherwise]

The battery may explode and cause burns or other injury.

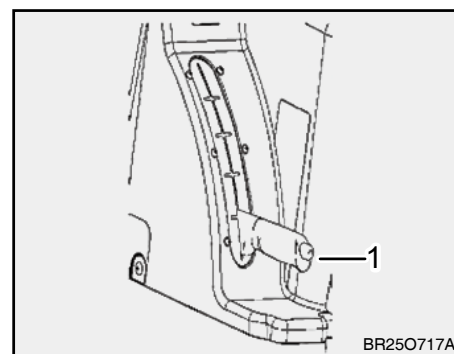
CAUTION

- When connecting the battery cable, connect the (+) terminal first. When disconnecting the cable, disconnect the (-) terminal first.

[Otherwise]

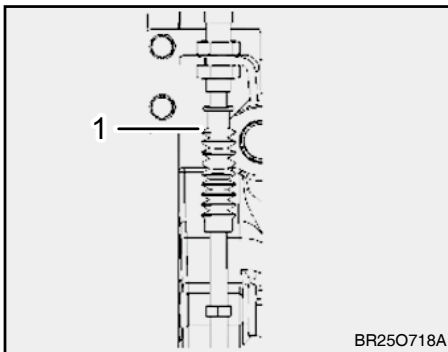
There is a risk of getting burnt due to shorting of the battery.

ADJUSTING PARKING BRAKE



(1) Parking Brake Lever

1. Unscrew fixing nuts of parking brake cable with parking brake released.

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(1) Parking Brake Cable

2. Tighten fixing nuts of parking brake cable and fix them at position where clearance amount is 0.8~1 in (20~25 mm) from the end of parking brake lever.

FUEL PIPES AND HOSES

Check for damage to fuel hoses, steering wheel hoses (pipe), and radiator hoses, and see if there is any leakage or loosening of bolts.

Replace the pipes and hoses every two years even though they are not damaged.

⚠ CAUTION

- When replacing the fuel hose, drain air.

⚠ DANGER

- Inspect the condition of the fuel hoses and check for fuel leakage from any damaged parts of the hoses.

[Otherwise]

There is a risk of fire.

ELECTRICAL CABLES

Open the hood of the engine and check if any cable is in contact with other parts, or if any insulation is peeled off or damaged, or any contact is loosened.

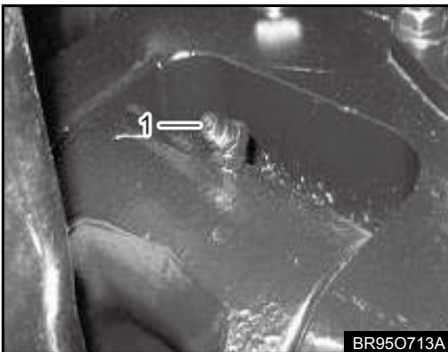
Damaged cables must be repaired by an authorized dealer. Arrange for periodic maintenance for cables every 50 hours or once a year even though the cables are not damaged.

⚠ DANGER

- Before starting to work everyday, 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

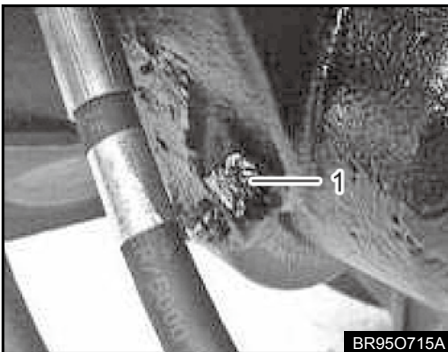
Apply grease every 50 hours. Check the relevant parts before starting work everyday and add grease as necessary. After working on wet areas, make sure to apply grease to the tractor.



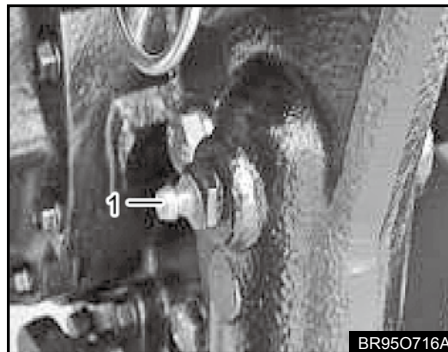
(1) Center Link Hinge



(1) Front Axle Support (FRT)

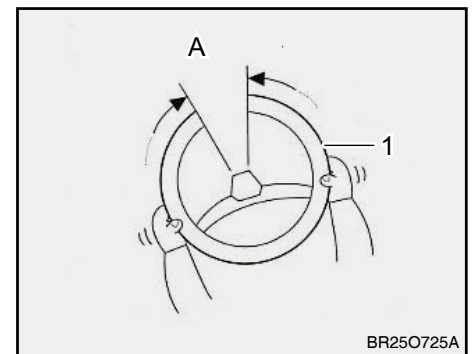


(1) Lift Link



(1) Front Axle Support (RR)

STEERING WHEEL



(1) Steering Handle
(A) Free Play : 0.8~ 2.0 in (20.3 ~50.8 mm)

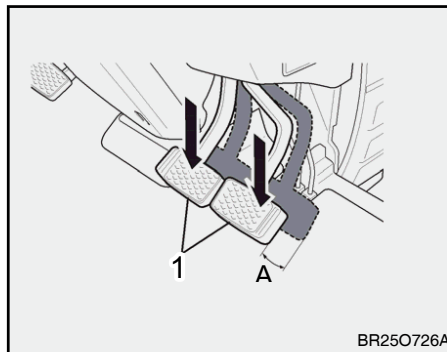
When the steering wheel is turned lightly, there should be free play 0.8~2.0 in. If the extent of the free play exceeds this range, the steering wheel may feel heavy or the tractor may not move straight. If the free play is not normal, have it fixed at your nearest authorized dealer.

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BRAKE

WARNING

- Check if the steering wheel vibrates severely or has no free play. Otherwise, there is a risk of accident.



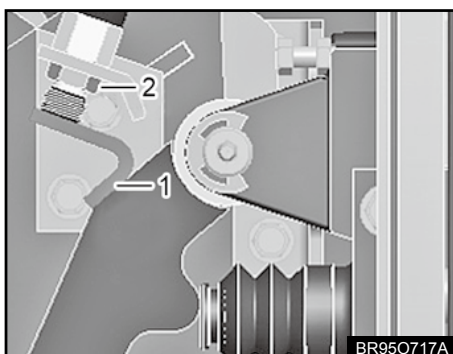
(1) Brake Pedal

(A) Free Play : 0.2 in~ 0.4 in (5~10.2 mm)

- In this case, the free play of the brake pedal is 0.2~0.4 in (5~10mm).
- Adjust both of the brake pedals.

WARNING

- Check the brakes to avoid one-sided braking. Otherwise, there is a risk of accident.
- If the extent of free play different between the two brakes pedals, one-sided braking will occur. Make sure that the free play of both brake pedals is the same.



(1) Brake Pedal Arm
(2) Fixing Nut

► HOW TO ADJUST BRAKE FREE PLAY

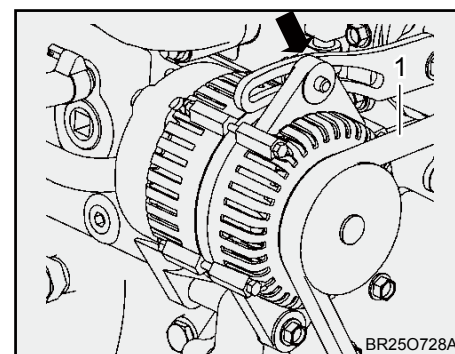
1. Remove dashboard.
2. Loosen fixing nut.
3. Adjust stopper bolt so that the gap between bolt head and brake pedal arm is 0~0.02 in. (0~0.5 mm).
4. Tighten the fixing nut.



(1) Parking Brake
(A) Free Play (85~90mm)

1. Loosen the lock nut of the parking brake cable with parking brake released.
2. Tighten the lock nut of the parking brake cable and fix the lock nut at a distance of 3.15~3.54 in. (80~90 mm) from the tip of parking brake lever.

FAN BELT



(1) Fan Belt

After removing right side of dashboard, loosen fixing nut and adjust stopper bolt so that the gap between stopper bolt head and brake pedal arm is 0~0.02 in (0~0.5 mm) and tighten the fixing nut again.

AIR COMPRESSOR BELT

Open the engine hood and press the middle of fan belt with finger to see if the belt sags about 0.4~0.6in or if there is any damage to the belt. If the sagging is not correct, loosen the generator bolt 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 use.

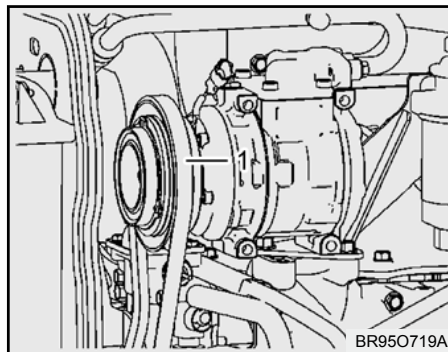
generator bolt and move the generator to adjust the tension of the fan belt. If the fan belt still slips after the generator is moved to the maximum, replace the belt with a new one. New belts must be inspected after 50 hours of use.

CAUTION

- Carry out inspection or maintenance after the engine if fully cooled down.

[Otherwise]

There is a risk of getting burnt.



(1) Air Compressor Belt

Check if belt is sagging for about 0.39~0.6 in (10~15 mm) or check for any damage to the belt by opening bonnet and engine side cover and pressing the middle of fan belt.

When it is not sagging enough, adjust tension by using adjusting bolt at the front of compressor.

Change the belt when tension cannot be adjusted even when the bolt is tightened as much as possible.

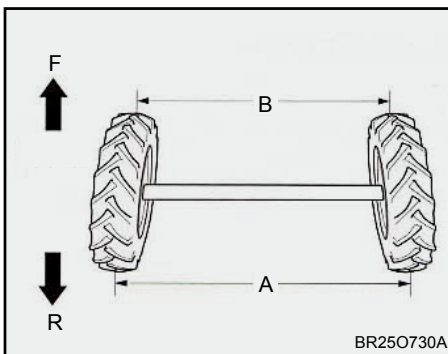
CAUTION

- Carry out inspection or maintenance after the engine if fully cooled down.

[Otherwise]

There is a risk of getting burnt

TOE-IN

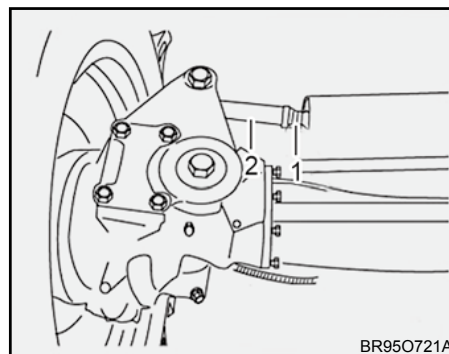


(F) Front

(R) Rear

►CHECKING

If the toe-in is not properly aligned, the steering wheel may be uncontrollable or the tractor may produce an abnormal vibration. Measure the distance A and the distance B of the front wheels and see if the different between the two measurements is 0.16~0.3 in (4~8 mm).



(1) Nut

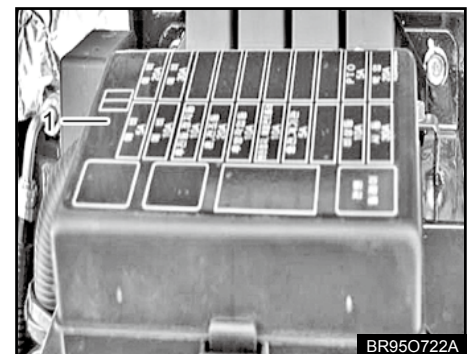
(2) Cylinder Rod

►ADJUSTING

If not, loosen 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 0.16~0.3 in (4~8 mm).

Left and right adjustment of screw length must be same.

FUSE & FUSIBLE LINKS



(1) Fuse Box

Stop the engine and check the main fuse. (Fusible link)

Open the fuse box cover and check the fuses. Replace any burnt-out fuses with new ones of required capacity.

A fusible link is a type of fuse, which burns and disconnects the current in the event of excessive current flowing in the circuit, if plastic coating is discolored when it is cut off, it should be inspected by a authorized dealer.

If the fuse burns immediately after

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being replaced, it must be checked by the authorized dealer.

 WARNING

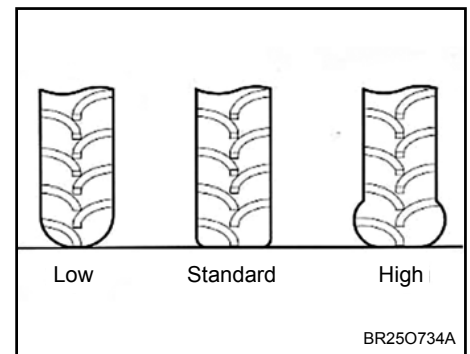
- **When replacing the fuse, use only the one of the same capacity.**

COLOR OF EXHAUST GAS

The exhaust gas may be a little black at the time of starting the engine, but normally its color is clear.

- Black – incomplete combustion due to too much fuel intake.
- White – misfiring or cold temperature.
- Blue – burning of engine oil

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

TIRES PRESSURE

Adjust air pressure in front and rear tires to standard pressure.

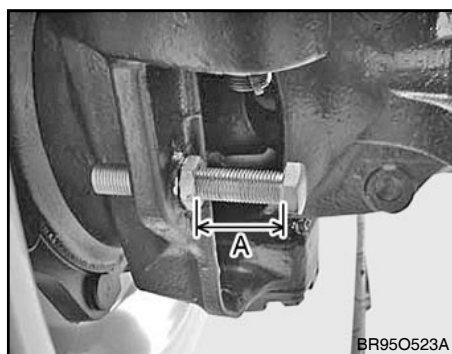
Also, check if there are any cracks on the tires. When front wheels are put under a load of the front weights or a front loader, air pressure in the front wheels must be adjusted to the maximum in the chart as followed.

[Air pressure in tires]

		Air pressure(psi)
With Implement	Front	29
	Rear	19
With loader	Front	44
	Rear	29

[Torque of wheel bolts]

Type	Torque (lb-ft)
Front wheel	130 ~ 145
Rear wheel	130 ~ 145

FRONT AXLE TURN RADIUS

(A) Stop Bolt Retaining Lock Nut

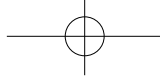
Length of swing restriction stopper bolt of front axle: 40 mm (Distance between case machined surface and bolt neck)

Left and right adjustment of length must be same.

When installing the loader, the loader frame can interfere with tire. When installing the loader, consult your dealer about adjustment of "A" size.

CAUTION

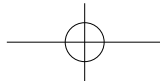
- If the size is smaller than the limit, rotary tire can come in touch with the side of the hood resulting in damage of the hood.
- Also, in case of tire size change intentionally, it may cause damage of the hood. When you change the tire size, consult your authorized dealer.

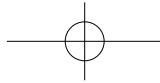


MEMO



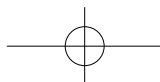
Branson Machinery LLC





8. TROUBLE SHOOTING

TROUBLESHOOTING	8-2
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CLUTCH AND BRAKE.....	8-4
HYDRAULIC SYSTEM.....	8-5
ELECTRICAL SYSTEM.....	8-6



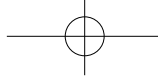
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TROUBLESHOOTING
ENGINE

If the tractor is not working properly, stop the engine and carry out an inspection based on the following table.

SITUATION	INSPECTION ITEM	SOLUTION
1. The motor does not start when the main switch is turned to START.	• Are you depressing the clutch?	• Depress the clutch fully and turn the main switch to START
	• Is the battery solution enough?	• Fill the battery solution and fully charge the battery.
	• Is the battery discharged?	
	• Is the battery terminal loosened or corroded?	• Clean and tighten the terminals. Apply grease to avoid rust
	• Is the main fuse burnt out?	• Replace the fuse
	• Is the key switch broken?	• Contact the dealer for repair or replacement.
	• Is the starting motor out of order?	• Contact the dealer for repair or replacement.
2. The motor starts, but the engine does not start.	• Is the fuel tank empty?	• Fill up the fuel tank and drain the air.
	• Is the fuel mixed with air?	• Drain the air from the fuel.
	• Does the engine run only when the reducer lever is pulled?	• Charge the battery.
	• Is the fuel cock on "C"?	• Put the fuel cock on "O"
3. The engine revolution is irregular.	• Is the air mixed in the fuel system?	• Drain the water and replace the fuel.
	• Is the injection nozzle clogged?	• Have the injection nozzle repaired or replaced
	• Is the fuel filter clogged?	• Have the fuel filter washed or replaced.

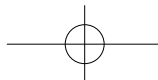
SITUATION	INSPECTION ITEM	SOLUTION
4. The engine is over heated	• Is the coolant level low?	• Refill the coolant.
	• Is the fan belt slack or damaged?	• Adjust or replace the fan belt.
	• Is the radiator fin clogged?	• Clean the radiator fin.
	• Is the engine oil level low?	• Refill the engine oil.
	• Is the engine running under too much load?	• Reduce the load.
5. The engine power is too weak.	• Is the air cleaner clogged?	• Inspect the air cleaner
	• Is the nozzle stained with carbon?	• Contact the dealer for repair
	• Is the compression force weak?	
	• Is the valve clearance adjusted properly?	
	• Is the injection timing bad?	
6. Coolant warning lamp is in during operation.	• Is the coolant level in the reservoir low?	• Refill the coolant
7. Engine oil warning lamp is on during operation.	• Is the engine oil level low?	• Refill the engine oil
	• Is the viscosity of the engine oil low?	• Replace the engine oil with the one with proper viscosity.
	• Is the pressure switch out of order?	• Replace the switch
	• Is the oil pump out of order?	• Contact dealer for repair
8. Thermostat lamp is not turned on.	• Is the fuse burnt out?	• Replace the fuse
9. Battery warning lamp is on during operation.	• Is the regulator (current limit) out of order?	• Contact dealer for repair
	• Is the fan belt slack or damaged?	• Adjust or replace the fan belt



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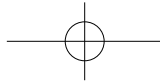
CLUTCH AND BRAKE

Situation	Inspection item	Solution
1. The clutch slips or cannot be disconnected	Is the extent of free play of the clutch pedal proper?	Adjust the free play of the pedal
2. The brake does not work or works on one side.	Is the extent of free play of the brake pedal proper?	Adjust the free play of the pedal
3. The brake pedal squeaks and does not return well	Is the brake pedal return spring damaged?	Replace the spring
	Is each part well greased?	Remove the rust and apply grease.



HYDRAULIC SYSTEM

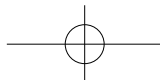
Situation	Inspection item	Solution
1. The implement cannot be lifted	• Is the hydraulic stop/slow return control dial is in all the way right?	• Put the hydraulic stop/slow return control dial turn to left.
	• Is the hydraulic stop/slow return valve put to "Close"?	• Put the hydraulic stop/slow return valve to "Open."
	• Is the transmission fluid level low?	• Refill the transmission fluid.
	• Is the air taken in the intake pipe system?	• Tighten the filter case or connection parts. Replace the pipe or O-ring if damaged.
	• Is the oil filter clogged?	• Clean or replace it.
	• Is the hydraulic pump defective?	• Contact the dealer for repair.
	• Is the hydraulic pump out of order?	• Contact the dealer for repair.
	• Is the control valve dusty or is the O-ring damaged?	• Contact the dealer for repair.
2. The implement cannot be lowered.	• Is the cylinder damaged?	• Contact the dealer for repair.
	• Is the hydraulic stop/slow return valve put to "Close"?	• Put the hydraulic stop/slow return valve to "Open."
	• Is the control valve dusty or stuck with foreign substance?	• Consult the dealer for repair.
	• Is the cylinder damaged?	• Consult the dealer for repair.
	• Is the position control lever on the shallowest position?	• Move the position control lever to the releasing direction.

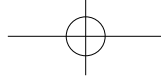


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ELECTRICAL SYSTEM

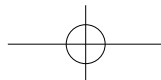
Situation	Inspection item	Solution
1. The headlamp will not turn on.	• Is the bulb burnt out?	• Replace the bulb.
	• Is the fuse burnt out?	• Replace the fuse.
	• Is the cable separated from the socket?	• Inspect cable.
2. The direction indicator lamp will not operate.	• Is the bulb burnt out?	• Replace the bulb.
	• Is the fuse burnt out?	• Replace the fuse.
	• Is the flasher unit defective?	• Replace the flasher unit.
	• Is the contact in bad condition?	• Inspect and clean the grounding and terminals.
3. The lamps will not turn on.	• Is the bulb burnt out?	• Replace the bulb.
	• Is the fuse burnt out?	• Replace the fuse.
	• Is the contact of the cable in bad condition?	• Inspect the cable and secure the contact.
	• Is the switch defective?	• Replace the switch.
	• Is the grounding in bad condition?	• Connect the grounding cable securely to the body.
	• Is the battery discharged?	• Charge the battery.
4. The horn does not sound.	• Is the fuse burnt out?	• Replace the fuse.
	• Is the horn switch contact in bad condition?	• Inspect the horn switch.

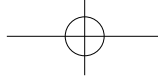




9. SPECIFICATION

SPECIFICATIONS.....	9-2
TRAVELING SPEED.....	9-5



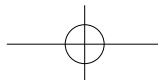


9-2 BRANSON 9550C

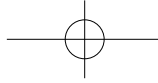
SPECIFICATIONS

Specifications are subject to change without notice. Contact your local Branson dealer for more information.

ITEMS			SPECIFICAION
1. Drive System			4 Wheel Drive
2. Dimensions	Overall Length	in. (mm)	157 (3,980)
	Overall Width	in. (mm)	79.5 (2,020)
	Overall Height	in. (mm)	108 (2,740)
	Wheelbase	in. (mm)	88 (2,230)
	Ground Clearance	in. (mm)	16.5 (420)
	Weight	Lbs (kg)	138.4 (3,515)



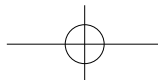
ITEMS			SPECIFICAION
3. Engine	Model		D3400T-ATAC
	Type(*)		Vertical, 4 Cycle, Water Cooled, Diesel, EPA Tier Certified
	Combustion System		Direct Injection
	Aspiration		Turbo Charged
	Engine Output	HP (kw)	95 (70)
	Engine RPM	rpm	2,500
	No of Cylinder		4
	Bore x Stroke	In. (mm)	3.85 x 4.44 (98 x 113)
	Displacement	cu in (cc)	208 (3,409)
	Type of air cleaner		Dry, Double Filter Elements
	Fuel tank capacity	gal (L)	31.7 (120)
4. Electronic	Alternator	Amps	70
	Battery	Volt	12
5. Steering			Hydrostatic
6. Clutch			Multi, Wet
7. Brake			Wet Disc, Band Brake



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ITEMS			SPECIFICAITON
8. Transmission	Main Shifting		Fully Synchronized (4 speed)
	Forward Reverse Method		Power Shuttle (Hydraulic Shuttle)
	Gear Shifting (Front x Rear)		F12 X R12
	Creep Speed (Optional)		F16 X F16
	Travel Speed	Mph (km/h)	Forward : 0.15 ~ 18.8 (0.24 ~ 30.25) / Reserve : 0.18 ~ 21.7 (0.3~ 35)
	Travel Speed (Creeper)	Mph (km/h)	Forward : 0.16 ~ 18.6 (0.26 ~ 30) / Reserve : 0.18 ~ 21.0 (0.3 ~ 33.8)
9. PTO	Type		Independent P.T.O. (6 Spline shaft)
	Speed	rpm	540 / 750 / 1,010
10. Hydraulic System	Type		Electric over hydraulic control (position, draft & mixed)
	3 Point Hitch		Telescopic lower link / Telescopic stabilizers
	Category		Category II
	Pump Flow @ 2,500 rpm	Steering Pump	8.0 GPM (14 cc/rev)
		Main Pump	14.5 GPM (22 cc/rev)

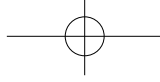
※ Specifications are subject to change without notice. Contact your local Branson dealer for more information.



TRAVELING SPEED

m/h (km/h)

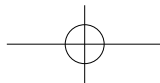
SHIFTING			TRAVELING SPEED	
RANGE	MAIN		FORWARD	REVERSE
Creep (OFF)	A	1	1.01 (1.62)	1.18 (1.90)
		2	1.27 (2.04)	1.47 (2.36)
		3	1.64 (2.64)	1.90 (3.05)
		4	2.24 (3.60)	2.59 (4.17)
	B	1	3.01 (4.84)	3.49 (5.61)
		2	3.77 (6.06)	4.36 (7.01)
		3	4.88 (7.85)	5.64 (9.07)
		4	6.66 (10.72)	7.69 (12.37)
	C	1	8.53 (13.72)	9.86 (15.87)
		2	10.33 (16.62)	12.33 (19.84)
		3	13.80 (22.20)	15.95 (25.66)
		4	18.82 (30.28)	21.76 (35.02)

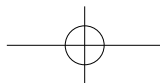


MEMO



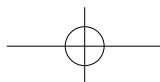
Branson Machinery LLC

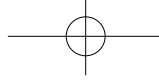




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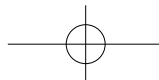
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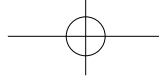
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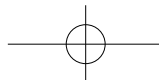
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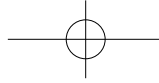
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