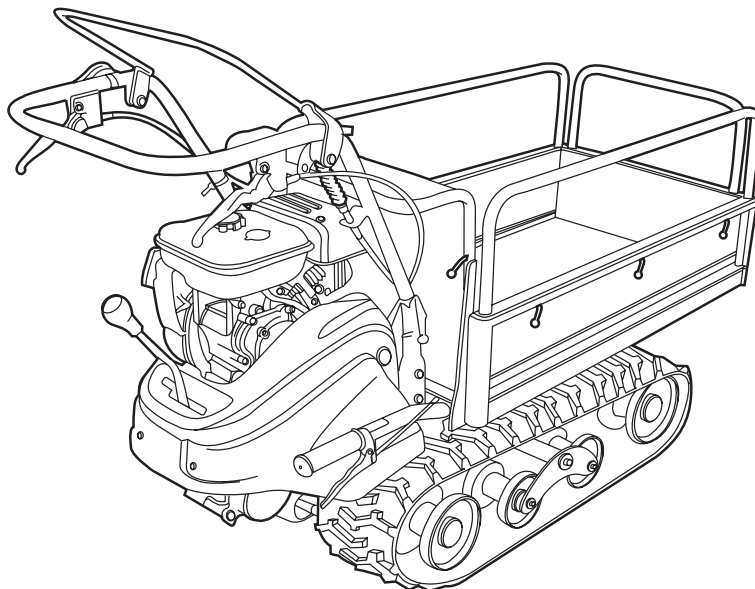


Off-Road Rubber Track Carrier

BP416/BP416D BP415/BP415D

OPERATOR'S MANUAL



⚠ WARNING

Read this manual completely before operating or maintaining this machine.

Failure to follow safety precautions could result in serious injury or death.

Keep this manual for future reference for you and for all those who operate and maintain this machine.

July 2003, 3558 7002 000

CHIKUSUI CANYCOM, INC.

90-1 Fukumasu, Yoshiimachi,

Ukihagun, Fukuoka, Japan 839-1396

Tel. (09437) 5-2195 Fax. (09437) 5-4396

Warning Words Used in this Manual

To indicate the level of danger (or the degree of the failure), the following four signal words are used to identify the safety messages in this manual. Their meanings are as follows.

Signal word	Meaning
 DANGER	Indicates an imminently hazardous situation which, if not avoided by following these instructions and precautions, will result in death or serious injury.
 WARNING	Indicates a potentially hazardous situation which, if not avoided by following these instructions and precautions, could result in death or serious injury.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided by following these instructions and precautions, may result in minor or moderate injury.
<u>NOTICE</u>	This word is used for precautions that are recommended or to emphasize the importance of information.

Notice to Users and Maintenance Personnel

Thank you for purchasing this machine.

Always be sure to read and understand this manual thoroughly before using your machine. This will enable you to use it correctly.

WARNING

The machine can be very dangerous if the safety precautions in this manual and on the labels attached to this machine are not followed. Always follow the instructions and safety precautions, or serious injury or death could result.

This machine should only be used for its intended purpose: hauling and dumping.

Any other use could be dangerous.

Also driving this machine on a public road or a road regarded as a public road may be illegal.

WARNING

Do not modify this machine. Also do not remove the safety cover of the body before running. A serious accident could result.

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< Guarantee Certificate >

Attached to end of this manual.

- * Receive the guarantee certificate together with a receipt after you have received instructions for handling this machine.

< Appendix >

"Instruction manual for engine"

- * Be sure to read it together with this manual.

Introduction

1. Introduction

1.1 Purpose of this Manual

The purpose of this manual is to provide detailed information needed for the safe and effective use of this machine to those who operate or maintain the machine.

1.2 Structure of this Manual

This manual contains the following chapters.

1. Introduction

This section explains the purpose and structure of the manual and the warnings used in the manual. It also describes the warning labels attached to the machine.

2. Warranty and After-service

This section covers items related to the warranty and after- service for this machine.

3. Points to Remember for Safe Operation

This section covers general safety items that must be followed when operating or using this machine.

4. Explanation of Components

This section explains the names and functions of the parts of the machine.

5. Product Specification

This section gives the specifications of this machine. It also gives details about the tool bag.

6. Operation

This section explains the preparations before operating the machine, the order of operation, and the method of operation.

7. Maintenance

This section gives information about periodic inspection, use of coolant, lubricants. and grease, and cleaning, replacing, adjusting, and maintenance of the machine after use.

8. Storage (Long-term Storage)

This section gives information about storage (long-term storage) of the machine.

9. Troubleshooting

This section describes the action to take if any problem occurs.

10. Transporting Machine

This section explains the methods and precautions when transporting the machine.

Introduction

1.3 Warning Words Used in this Manual

To indicate the level of danger (or the degree of the failure), the following four signal words are used to identify the safety messages in this manual. Their meanings are as follows.

NOTICE

Replace these labels immediately if they have been removed, fallen off, or have become illegible. Use the part numbers on the label to order replacement labels from dealer.

① 3526 5532 000



② 3668 5017 000



③ 3659 6216 000



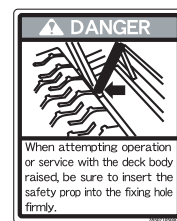
④ 3526 5533 000



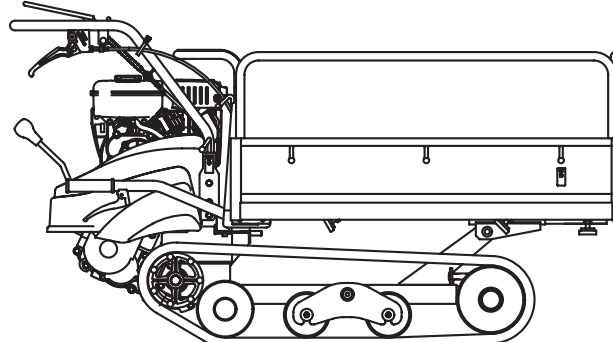
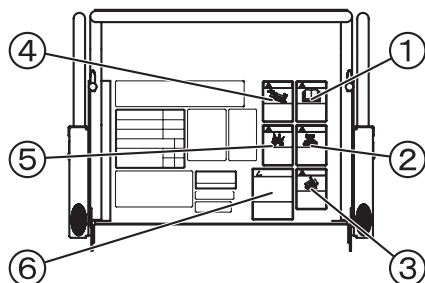
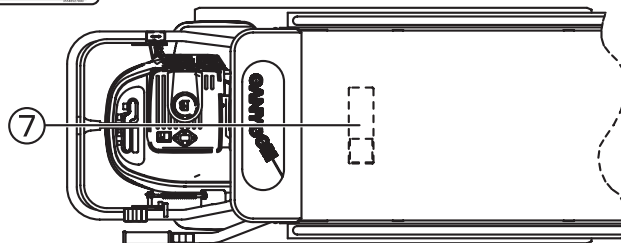
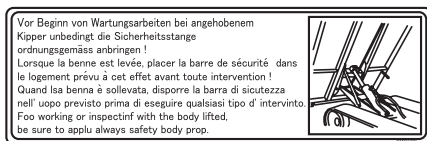
⑤ 3668 5018 000



⑥ 3550 7105 000



⑦ 3544 6527 000



Warranty and After-sales Service

2. Warranty and After-sales Service

Warranty

Chikusui Canycom, Inc. provides a warranty to you through their local dealers. Consult your local dealer regarding the details of warranty.

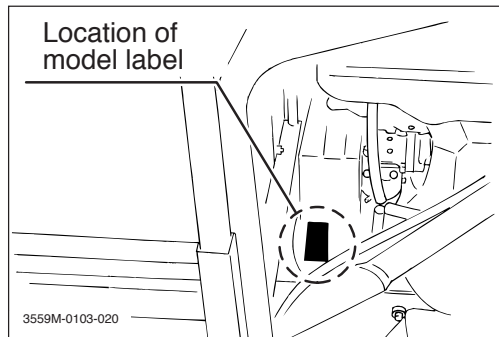
After-sales Service

Please contact your Canycom distributor from whom you purchased your machine or our Service Center regarding service orders or any questions or problems that may arise when using the Off-road Rubber Track Carrier.

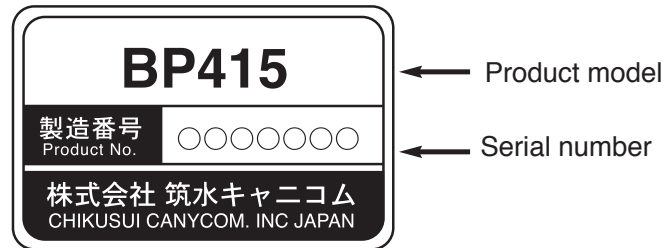
Please inform us of the product model that you own or use and the product serial number specified on the model label (See illustration below for location of the label).

Please refer to the "Specifications" in Chapter 5 for the name of the manufacturer of the engine installed in your machine, as well as the engine model.

< Location of Model Label >



< Model Label >



Availability of Repair Parts

Repair parts for this product will be available for seven years after manufacturing of this machine is discontinued.

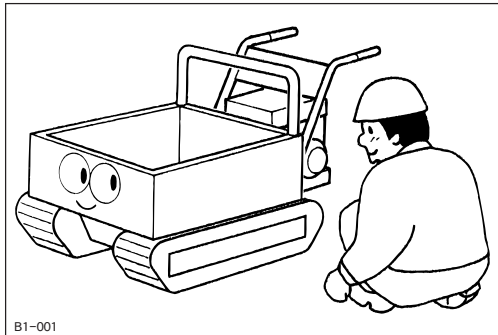
Rules for Safe Operation and Maintenance

3. Rules for Safe Operation and Maintenance

This chapter describes general safety precautions that must be followed during operation and maintenance.

Be sure that all users and maintenance personnel are familiar with these rules and that they follow them.

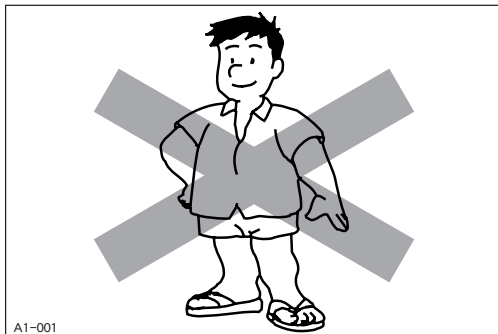
Safety Precautions before Operation



Pre-work Check

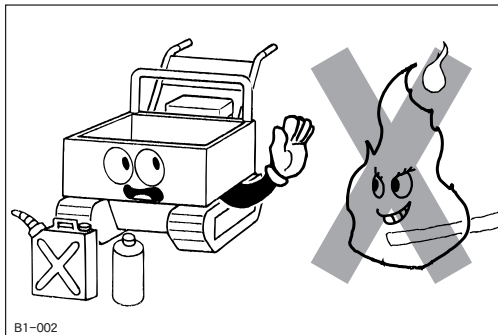
Perform the daily pre-operation check before starting the machine.

Repair or replace damaged parts before starting the machine.



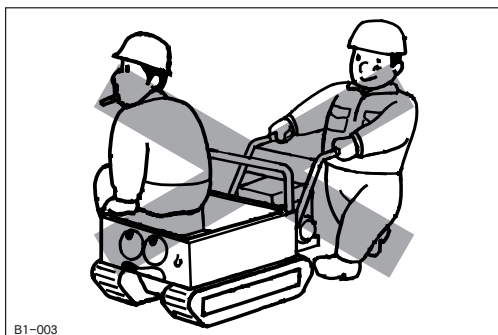
Protective Clothing

Wear clothes suitable for the operation of heavy equipment. Protective footwear, long pants, and long-sleeved shirts are recommended.



Fuel Handling

Do not handle fuel or grease, service the engine, or recharge the battery while smoking or when near an open flame.

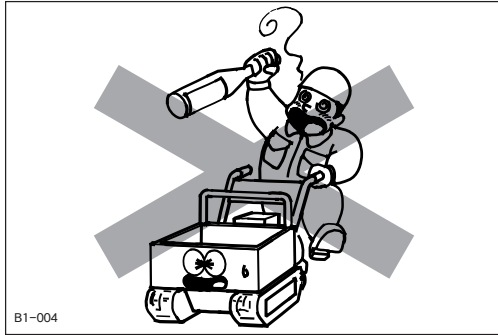


Do Not Carry Passengers on this Machine

Driving the Off-Road Rubber Track Carrier with a passenger or passengers can change the center of gravity and make the machine difficult to handle.

This product was designed to be operated carrying only one person-the driver. Driving with passengers are extremely dangerous.

Rules for Safe Operation and Maintenance

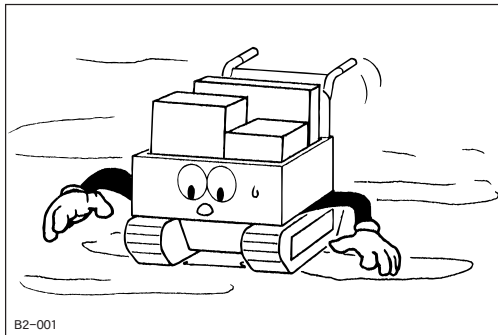


Do Not Drive Recklessly

Do not operate this machine when under the influence of alcohol or when fatigued.

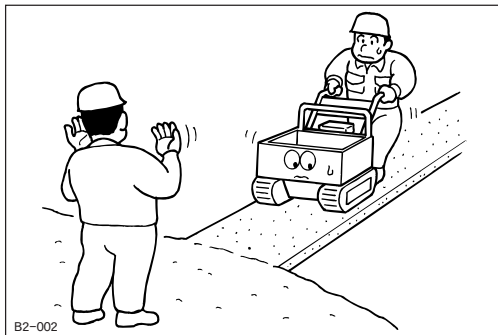
No one under age 18 should operate this vehicle.

Do Not Start, Accelerate, Turn, or Brake Quickly



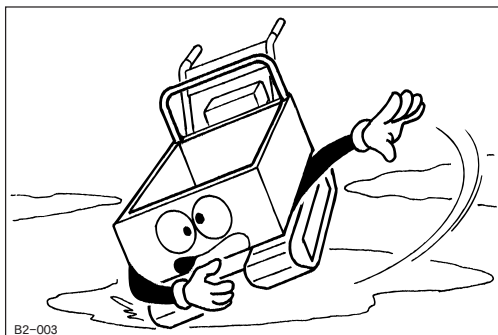
Maintain Safe Speed

When driving the machine, always drive at a safe speed suitable for the load in the dump body and the conditions of the road surface and grade of the road.



Work with an Observer in Dangerous Situations

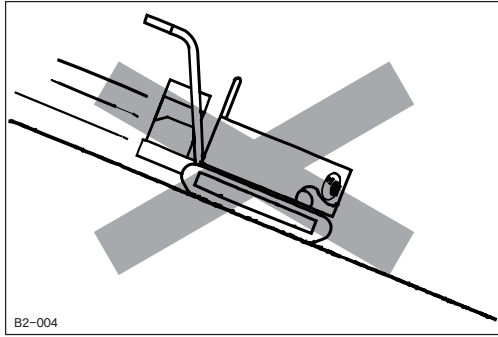
When operating the machine where there is poor visibility, rugged terrain, hills, or limited maneuvering room, use an observer to help direct the machine's movement. The observer should be able to see the machine and its immediate surroundings, and should use pre-arranged signals to direct the driver's actions.



No Quick Starting Acceleration, Turning or Braking

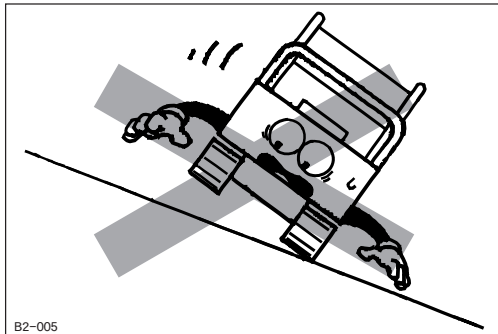
Drive safely and avoid sudden changes of speed or direction. Make sure the area around the machine is safe for driving. Do not make sudden maneuvers or turn sharply when driving on soft or wet ground; this can cause the machine to lose traction or turn over.

Rules for Safe Operation and Maintenance



Engine Brake on Downhill

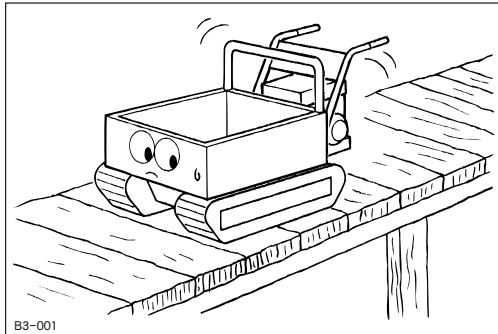
Before a downhill, temporarily stop and move the gearshift lever to the low speed position. Ensure to apply the engine brake for deceleration. If the vehicle is stopped without decelerating sufficiently, the vehicle body may be lifted.



Do Not Drive Across a Slope to Drive on the Slope

Always travel straight up and down a slope. Never travel across a slope or along a contour line. Driving across a steep slope or along a contour line is dangerous and may cause the machine to tip over causing serious injury or death. Do not operate the side clutch lever when the vehicle is positioned on sharply sloping ground. If use of the lever cannot be avoided, do so quickly and carefully, taking care not to cause a reverse turn.

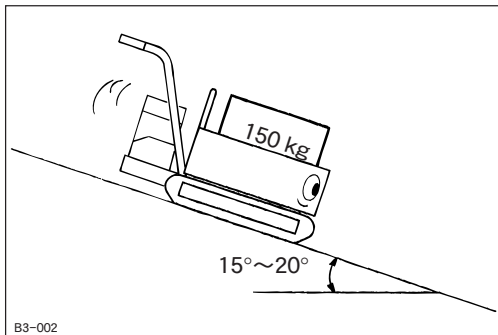
Precautions When Carrying a Load



Observe Weight Limit of a Bridge or Overpass

Before crossing a bridge or overpass, be sure that the total combined weight of the machine and the load does not exceed the stated weight limit for the bridge or overpass.

Then cross the bridge or overpass carefully at a constant speed.

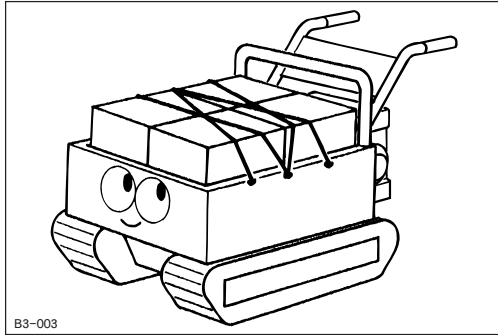


Observe the Machine's Load Limit on a Slope

Driving on slopes can be dangerous. This is particularly true when you are driving with a load. Do not exceed 150kg, when traveling on slopes of 15° to 20°.

If you must drive on slopes of more than 20°, the machine must not carry a load.

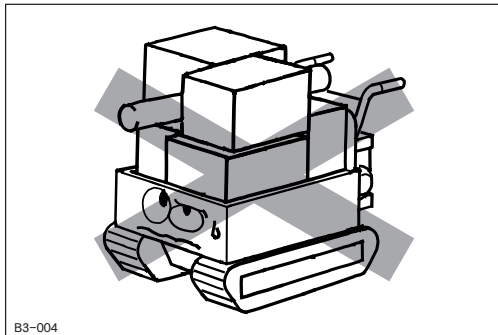
Rules for Safe Operation and Maintenance



Load Vehicle Properly

Load cargo on the load deck so it is evenly distributed and strap the cargo to the load deck to avoid cargo weight imbalance and shifting.

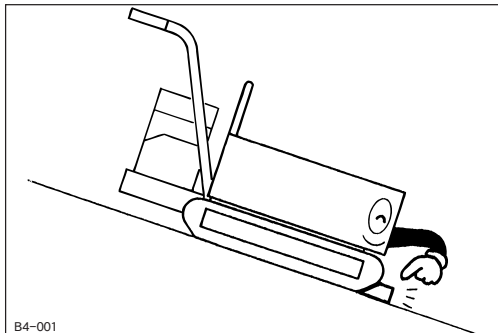
Do not load cargo on the load deck to a height that obstructs the operator's field of view.



Never Overload

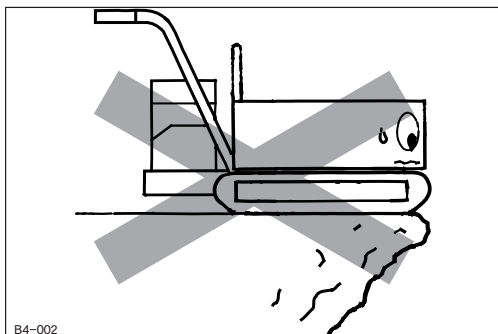
Do not load the machine in excess of the working capacity of 150kg.

Precautions when parking



Do Not Park on Unstable or Inclined Surfaces

Check for Safety at Parking and Enforcement of Chock on Slope When parking, move the running clutch lever to the "STOP" position (Brake ON), and stop the engine. Avoid parking on a slope. If the vehicle must be parked unavoidably, ensure to chock up the wheels.



Do Not Park on Unstable or Inclined Surfaces

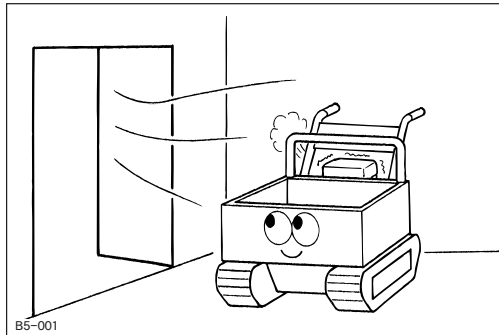
Park the machine on a stable, level, flat surface.

If parking on a slope is unavoidable, apply the parking brake and block the rubber tracks at the lower end of the machine.

Observe all precautions for driving and operating the machine and transporting a load on a slope.

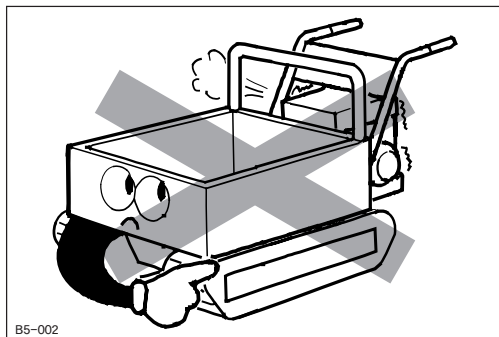
Rules for Safe Operation and Maintenance

Precautions When Performing Maintenance



Ventilate Properly when Operating Indoors

When operating engine indoors, always ensure that there is adequate ventilation to prevent poisoning by exhaust gas.



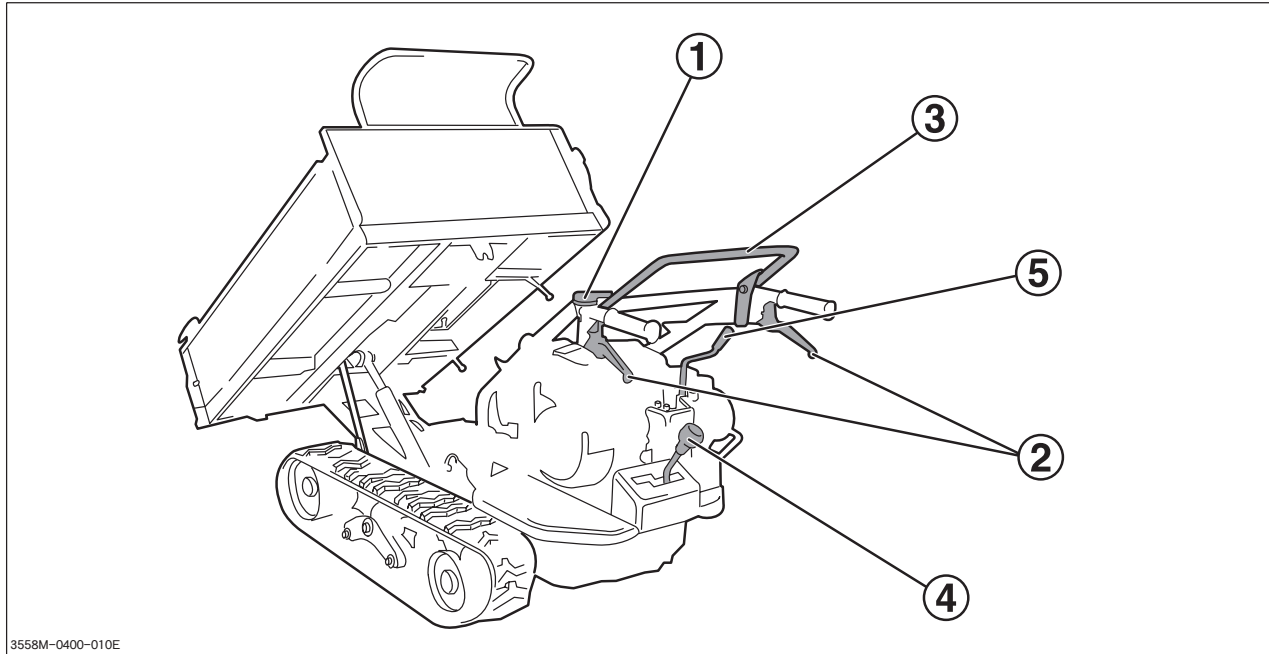
Never carry out maintenance with engine running

Do not carry out maintenance with the engine running. Always stop the engine before starting maintenance.

Component Names and Locations

4. Component Names and Locations

Locations



Component Names

- ① Throttle lever This is used to increase or decrease the speed of the engine.
- ② Side clutch lever This is used when changing the running direction. The vehicle is turned to the side on which the clutch lever is grasped by hand. When the right and left levers are grasped at the same time, the vehicle is stopped immediately.
- ③ Clutch lever This is used to interrupt the transmission of power from the engine to the transmission. When the lever is lowered, the operation mode becomes "RUN" (travel). When the lever is raised, the operation mode becomes "STOP" (stop). The lever is interlocked with the brake. When the lever is at the "STOP" position, the brake is applied.
- ④ Gear shift lever This is used to select the running speed. Before operating this lever, move the clutch lever to the "STOP" position (upper side) to stop the vehicle.
- ⑤ Hydraulic lever This is used to raise or lower the deck.

Product Specifications

5. Product Specifications

5.1 Specifications of this Product

NOTICE

Read and understand the specifications of this machine to use and maintain the machine properly.

Model			BP415 / BP416				
			Manual dump			Hydraulic dump	
			Flat-bed type	Sliding panel	Bucket type	Flat-bed type	Bucket type
Measurement (mm)	Overall length		1790	1650(1810)	1750	1775	1750
	Overall width		830	620(975)	620	830	620
	Overall height		980				
Bed inner size (mm)	Length		1050	950(1110)	1080	1050	1080
	Width		745	520(900)	550	745	550
	Height		200	420	260	200	260
Crawler (mm)	Grand contact length		700				
	Shoe width		180				
	Tread		440				
Engine	Continuous rated output		21kW/1800min ⁻¹				
Machine weight (kg)			160	150	155	180	165
Maximum payload capacity kN(kg)			BP415: 2.45(250),BP416: 2.94(300)				
Minimum turning radius (mm)			1200				
Minimum ground clearance (mm)			90				
Height of bed floor (mm)			370			380	370
Gradeability	Without load		25°				
	With Max. load		15°				
Bucket capacity (m³)			-	-	0.066	-	0.066
Stability	Without load	Left	41°				
		Right	39°				
	With Max. load	Left	25°				
		Right	25°				
Speed	Forward (kw/h)	F1	2.0				
		F2	4.5				
	Reverse (kw/h)	R1	1.5				
		R2	3.5				
Clutch			Belt tension system				
Brake			Inner expansion system				
Dump angle 5			0°	55°	63°	57°	63°

* These specifications are subject to change without notice, for product improvement.

Product Specifications

5.2 Details of Tool Bag

No.	Part Name	Q'ty	Remarks
1	Operation and Maintenance Manual (this manual)	1	
2	Instruction manual for engine	1	
3	Engine tools	1	For engine maintenance and repair

Operation

6. Operation

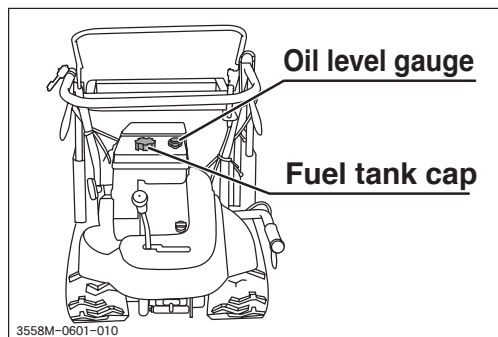
- Before reading this section, be sure to read Section 3 "Rules for Safe Operation and Maintenance"(see pages 4-8).
- When operating the machine, always follow the instructions in this section. Do not operate the machine unless you are familiar with the operation of all controls and safety devices.

6.1 Preparation Before Operation

6.1.1 Adding Fuel

⚠ DANGER

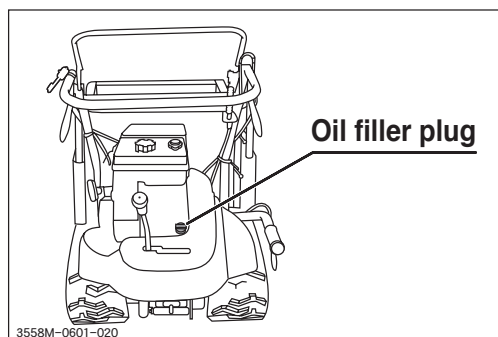
- When adding fuel, keep open flames (lighted cigarettes, etc.) away from fuel and engine. Flames will cause the fuel to ignite.
- Always stop the engine before adding fuel.
- Do not overfill so that fuel spills out of filler cap. Wipe up any spilt before starting engine.



1. Visually check the oil level gauge. If fuel is low, open the fuel tank cap, and add fuel.

Fuel to use: Lead free gasoline for cars

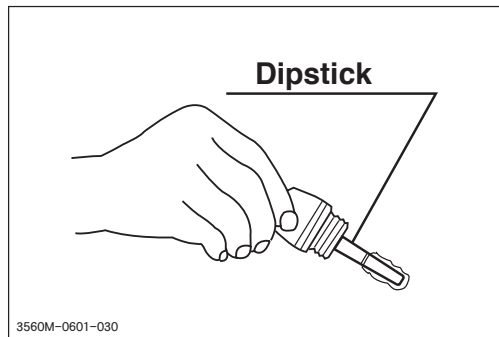
Fuel tank capacity: 2.2 liters



6.1.2 Checking Engine Oil Level and Adding Oil

1. Remove the engine oil filler plug (this plug has a dipstick).

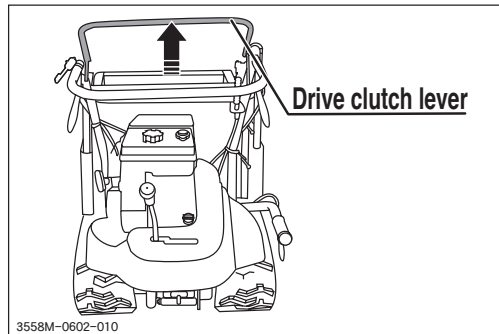
Operation



2. Visually check the engine oil level. If it is not within the specified levels, add engine oil.

Oil to use: See page 23

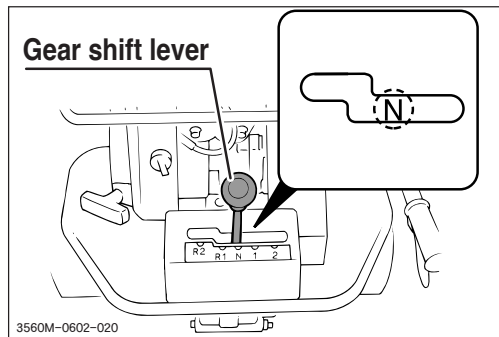
Engine oil quantity : Between "F" and "L" on the dipstick.



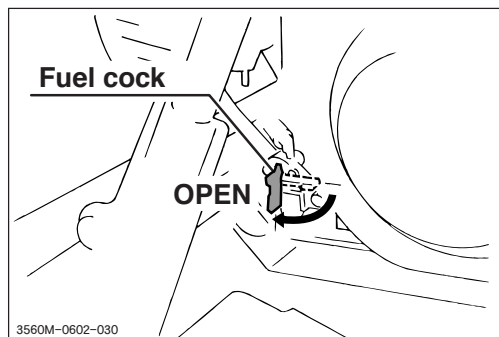
6.2. Method of Starting

⚠ DANGER

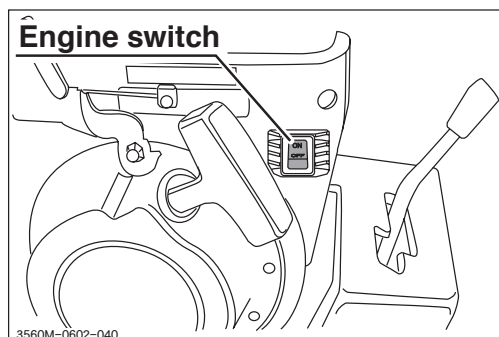
Before starting the engine, remove any flammable material from around the engine. Area around the engine should be well ventilated.



1. Move the drive clutch lever to the "STOP" position.
2. Move the gear shift lever to the "NEUTRAL (N)" position.

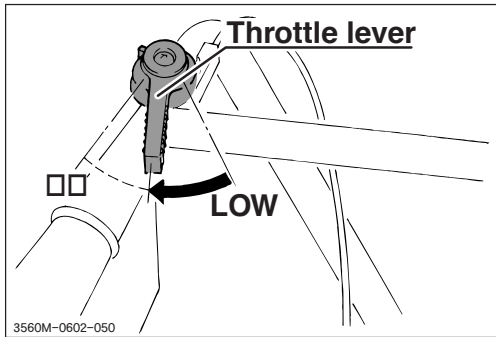


3. Turn the fuel cock to "OPEN".



4. Move the engine switch to the "ON" position.

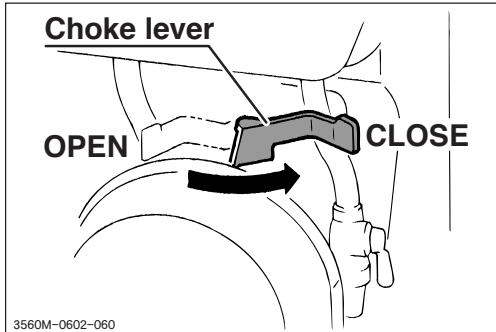
Operation



4. Move the throttle lever to the halfway point between "LOW" and "HI".

Reference:

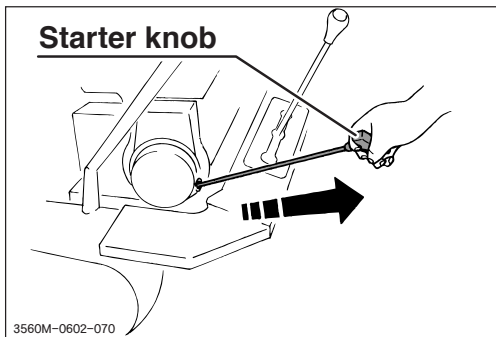
The throttle lever of the vehicle is connected to the throttle lever of the engine via a throttle cable.



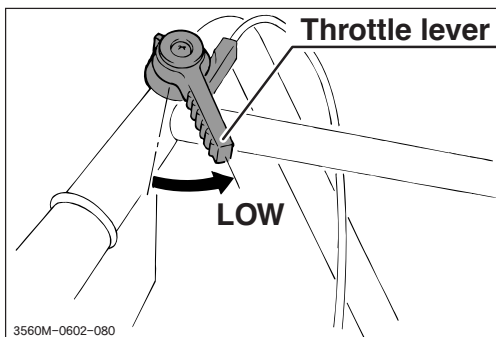
5. Move the choke lever to "FULL CLOSE (| |)" position.

NOTICE

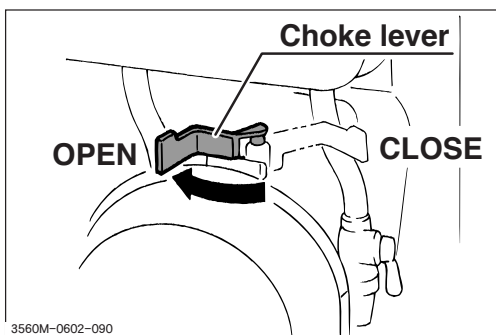
The choke lever should not be operated after the engine is warmed up.



6. Pull out the starter knob.



7. After the engine is started, move the throttle lever to the "LOW" position.

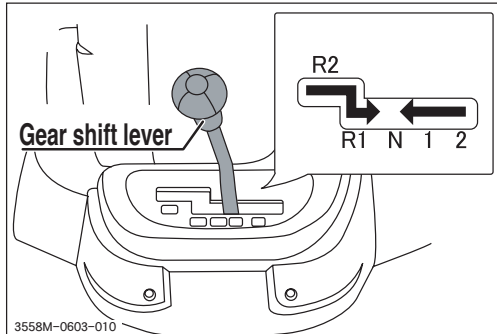
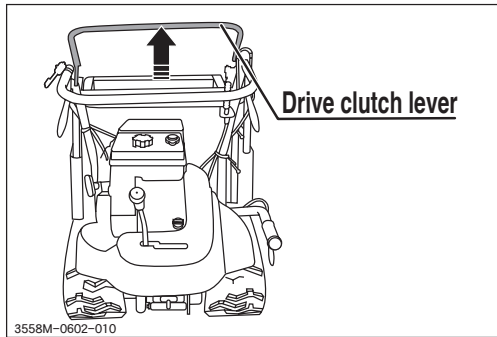


8. Return the choke lever to the "FULL OPEN (| | |)" position, and perform the warm-up operation for 3 to 5 minutes.

NOTICE

- The first week (about 40 to 50 hours use time) after starting machine operation is the breaking-in period.
- Do not apply excessive loads to the machine when operating during this period.

Operation



6.3 Method of Operating

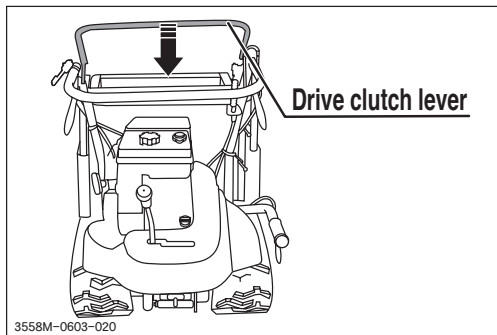
1. Check that all areas around the machine are safe.
2. Check that the drive clutch lever is in the "STOP" position.
3. Firmly move the gear shift lever to any forward or reverse gear shift position.

⚠ DANGER

Partially engaged gears may cause failures or accidents. When the shift gears cannot be fully engaged, do not force gears into positions. Move the drive clutch lever slightly to the "RUN" position, then slowly repeat gear shifting.

⚠ WARNING

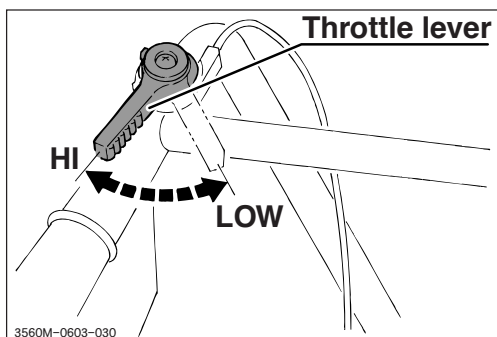
When moving the vehicle backward, start the vehicle slowly after sufficiently checking for safety.



4. Move the drive clutch lever slowly to the "RUN" position to start the vehicle.

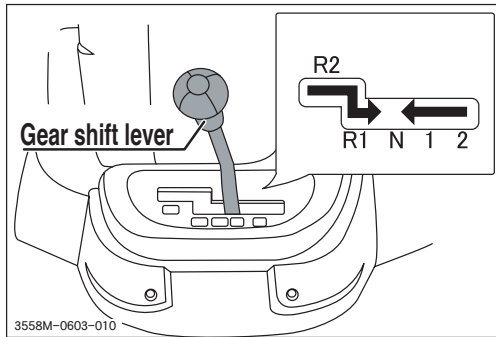
NOTICE

Do not move the drive clutch lever abruptly. The engine may stall.



5. Adjust the speed by moving the throttle lever slowly from "LOW" toward "HI" position.

Operation



When Changing Speeds

5. After the vehicle is stopped, follow the steps 1 to 3 on page 15. (For stopping the vehicle, refer to Section 6.4 "Stopping". p.17)

CAUTION

Do not shift gears during traveling. Always stop the vehicle before shifting gears.

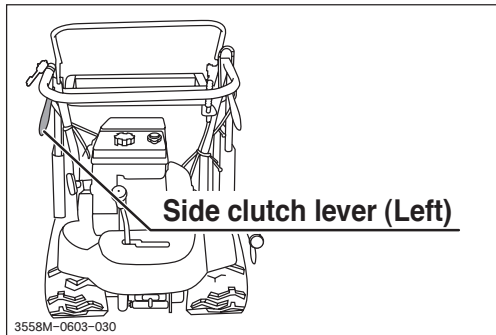
Turning

CAUTION

If the side clutch levers on both right and left sides are operated simultaneously, the vehicle will abruptly stop. Operate the right and left side clutch levers at the same time only in emergencies.

Left Turning

6. Grasp the left side clutch lever.

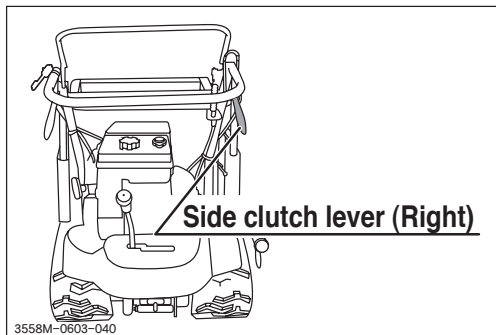


CAUTION

Avoid turning abruptly except for an emergency.

Right Turning

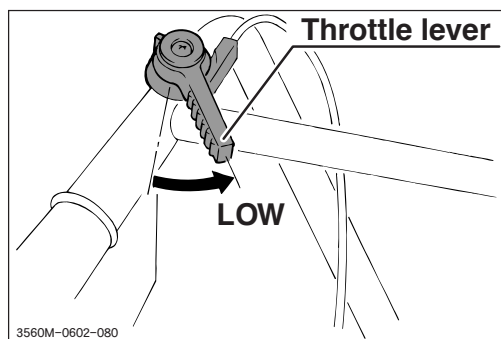
6. Grasp the right side clutch lever.



CAUTION

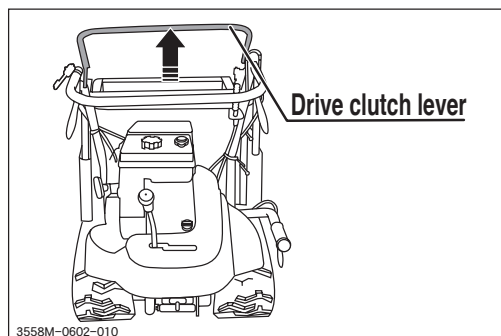
Avoid turning abruptly except for an emergency.

Operation



6.4 Stopping

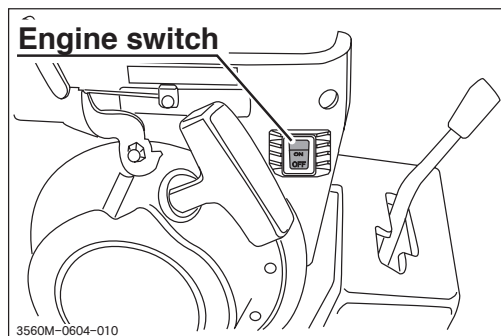
1. Move the throttle lever to the "LOW" position .



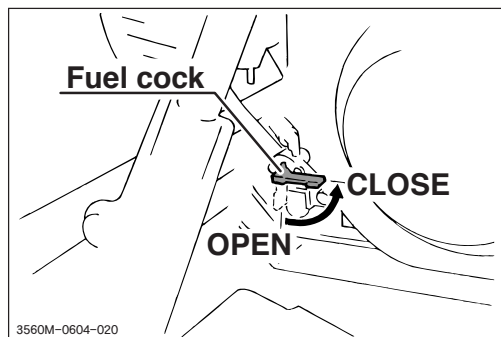
2. Release the drive clutch lever to return it to the "STOP" position.

CAUTION

In an emergency, grasp both right and left side clutch levers simultaneously. The vehicle stops urgently. On sloped ground, perform these operations carefully since the vehicle may rise from the ground.



3. Move the engines switch to "OFF".



4. Turn the fuel cock to "CLOSE".

Operation

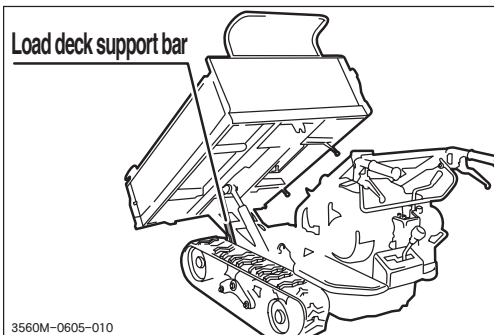
6.5 Operating Dump

⚠ DANGER

- Falling load deck can cause injury or death
- Always fix load deck support bar before doing any work under the load deck
- Do not raise or lower load deck or dump load when anybody is standing near load deck.

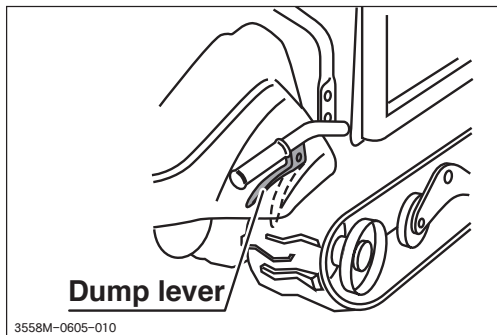
⚠ WARNING

- Avoid dumping on steep slopes.
- Raising or lowering the load deck on a steep slope can make the machine unstable, causing it to shift suddenly or turn over, causing damage to the machine, injury or death.
- If dumping on a slope is necessary, make the machine as level as possible by positioning on a large, immobile object such as a rock or fallen tree.



⚠ CAUTION

- When performing the inspection operation under the deck, ensure to stop the engine.
- Lowering the load deck suddenly with a load can damage the machine chassis. Always lower the load deck slowly to prevent damage to the machine chassis.



6.5.1 Operating Dump (Manual Dump)

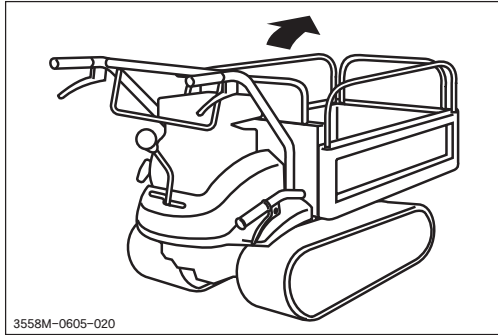
Raising Dump Body

⚠ CAUTION

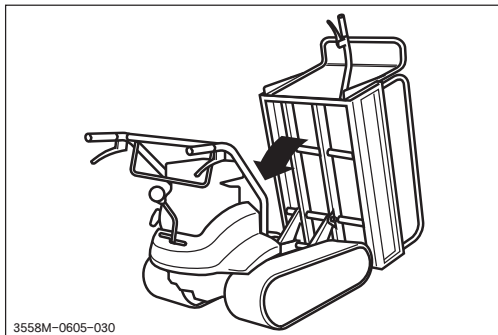
When the vehicle is positioned on a slope or cargo is not placed uniformly but placed forward in the deck, dumping may occur suddenly immediately after the deck is unlocked.

1. Grasp the dump lever to unlock the deck.

Operation



2. Raise the deck in upper forward direction.



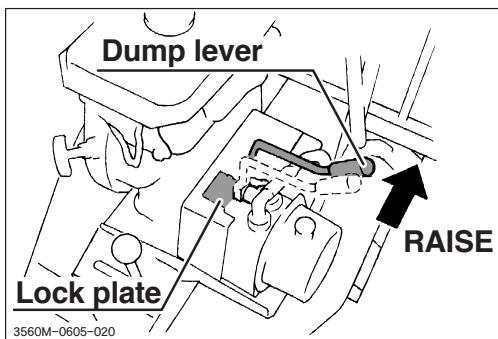
Lowering Dump Body

1. Manually tilt the deck backward until the deck is locked.
2. Raise the deck without operating the dump lever to check that the deck is locked firmly.

6.5.1 Operating Dump (Hydraulic Dump)

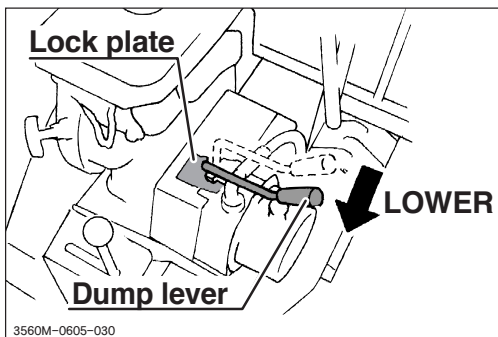
Raising Dump Body

1. Start the engine, move the throttle lever to the "HI" position, and increase the engine speed.
2. Release the lock plate for the hydraulic dump lever.
3. Tilt the hydraulic dump lever to "RAISE" position.
4. When the dump body is raised to the upper limit, a "hiss" sound is heard. Quickly return the dump lever to the "NEUTRAL" position.



Lowering Dump Body

1. Move the dump lever slowly to the "LOWER" position.
2. When the dump body is raised to the lower limit, a "hiss" sound is heard. Quickly return the dump lever to the "NEUTRAL" position.



Maintenance

7. Maintenance

7.1 Periodic Inspection Table

Failure to carry out inspection and maintenance properly will cause machine failure. Refer to the following table for inspection procedures and frequency.

NOTICE

Some inspection and maintenance procedures in the table below require technical knowledge or specific tools and measuring instruments. If you have difficulty performing these procedures, or do not have the correct tools or instruments, contact your dealer or a Canycom service center.

Item		Content of inspection		Inspection interval			Remarks
				Checks before starting	Monthly	Annually	
Engine	Ease of starting	• Investigate starting condition of engine and check for abnormal noise.	Check that engine starts smoothly and makes no abnormal noises.	☐	☐	☐	
		• Check if glow plug works properly.	Must work properly.	☐	☐	☐	
	Condition of rotation	• Check speed at low idling and at high idling.	Must be at specified speed.		☐	☐	Please contact your Canycom distributor for inspection
		• Check that rotation is smooth.	Must rotate smoothly.		☐	☐	
	Exhaust gas condition	• Check for catching of accelerator lever when accelerating engine, engine stall, or knocking.	There must be no catching, stalling of engine, or knocking.	☐	☐	☐	
		• Warm up engine thoroughly, then check for abnormal exhaust gas color or exhaust sound, low idling to high idling.	Exhaust gas color and exhaust sound must be normal.	☐	☐	☐	
	Air cleaner	• Check for gas leakage from exhaust pipe or muffler.	There must be no gas leakage.		☐	☐	
		• Check for cracks, deformation of case, looseness of cover or connecting piping.	There must be no cracks, deformation of case, looseness of cover or connecting piping.		☐	☐	
	Tightening	• Check for dirty or damaged element.	There must be no noticeable dirt or damage.		☐	☐	Cleaning/replacement: See page 29 & 37
		• Check for looseness of nuts and bolts at tightening portion of cylinder head and manifold *If no leakage of gas or water is found from these portions, this check can be omitted.	If gas or water leaks have been found, check cylinder head and manifold retaining nuts and bolts for looseness.			☐	
	Valve clearance	• Check the valve clearance * When noise due to abnormal valve clearance is absent and the engine is running smoothly, this inspection may be omitted.	The valve clearance must be normal.			☐	Please contact your Canycom distributor for inspection

Maintenance

Item			Content of inspection		Inspection interval			Remarks
					Checks before starting	Monthly	Annually	
Engine	Engine proper	Engine compression	• If the engine is operating abnormally, or if the exhaust condition at idle or at high RPM is abnormal, check the engine compression.	If you hear valve noise or the engine is not running smoothly, check valve clearance.			☐	Please contact your Canycom distributor for inspection
		Engine mount	• Check engine base for cracks or deformities.	No cracks or deformities.		☐	☐	
			• Check for loose or missing mounting bolts or nuts.	There must be no loose or missing mounting bolts or nuts.	☐	☐	☐	
	Lubrication system	• Check oil level and dirt in oil	Oil level must be correct. There must be no marked	☐	☐	☐	Inspection/replacement: See page 25	
		• Check for oil leakage from head cover, oil pan, pipes, etc.	There must be no marked oil leakage.	☐	☐	☐		
	Fuel system	• Check for fuel leakage from fuel tank, injection pump, hoses, pipes.	There must be no fuel leakage.	☐	☐	☐		
		• Check for damaged or deteriorated fuel hoses.	There must be no damage	☐	☐	☐		
		• Check for dirty or clogged fuel filter cartridge.	There must be no dirt or clogging.		☐	☐	Cleaning: See page 30	
	Electrical system	Ignition plug	• Check the electrode for wear and carbon accumulation.	There must be no wear or carbon accumulation.			☐	Inspection/cleaning: See page 29
	Power train	Drive clutch	• Disengage the clutch while idling, and check for abnormal noise.	Shift the gears, and check the clutch for ease of disengagement.	☐	☐	☐	Adjustment: See page 31
• Engage the clutch gradually to check starting condition.			There must be no slippage, and the disengagement must be smooth.	☐	☐	☐	Adjustment: See page 31	
V-belt		• There must be no abnormal noise, and the clutch must be disengaged.	Check the belt for cracking, damage, and contamination.		☐	☐	Inspection: See page 31	
Transmission		• Move the gear shift lever to the forward or reverse gear shift position, and drive. Check the transmission under operating conditions for disengagement of gears, abnormal noise, and abnormal heating.	The transmission must operate normally, and no disengagement of gears, abnormal noise, or must occur abnormal heating	☐	☐	☐		
		• Check the oil level in the case.	The oil level must be normal.		☐	☐	Inspection/replacement: See page 26	
		• Check oil for contamination.	There must be no excessive contamination.	☐	☐	☐	Inspection/replacement: See page 26	
		Check for oil leakage from the periphery of the case.	There must be no oil leakage.	☐	☐	☐		

Maintenance

Item		Content of inspection		Inspection interval			Remarks
				Checks before starting	Monthly	Annually	
Power train	Side clutch	• Check that the side clutch functions correctly without generating any abnormal noise when the side clutch lever is operated during traveling.	The side clutch must operate correctly without generating any abnormal noise.		○	○	
		• Operate the lever to check for play and pulling tolerance.	The play and pulling tolerance must be appropriate.	○	○	○	Adjustment: See page 33
		• Operate the lever to check clearance in rods, links, bearing sections, and connection parts, and for rusting of pins.	There must be no rattling or rusting.	○	○	○	
Traction system	Sprocket, idler, roller, upper roller	• Check for cracks, deformities, wear.	No cracks, deformities, or noticeable wear.	○	○	○	
		• Drive machine and check for abnormal noise or abnormal generation of heat from shaft area.	No abnormal noise or heat.	○	○	○	
		• Check for loose or missing mounting	There must no loose or missing mounting bolts and nuts.	○	○	○	
		• Check for oil leakage from around axle.	There must be no oil leakage.	○	○	○	
	Crawler	• Check for cuts or damage in steel cord.	There must be no cuts or marked damage.	○	○	○	
		• Check for cut, deteriorated, or worn rubber.	There must be no marked cutting, deterioration, or wear.	○	○	○	
		• Check track tension.	Tension must not be too loose or too tight.	○	○	○	
	Track tension bolt	• Check for deformation and corrosion.	There must be no deformation or corrosion.	○	○	○	Adjustment: See page 34
Brake system	Brake	• Run the machine, and check the brake for effectiveness.	The effectiveness must be appropriate.	○	○	○	
		• Check that the brake can hold the unloaded machine at a standstill on a sloped floor.	The effectiveness must be appropriate.	○	○	○	Adjustment: See page 32
		• Move the lever back and forth repeatedly to check pulling and returning states.	The pulling and returning states must be normal.	○	○	○	Adjustment: See page 32
	Rods, links, and wires	• Check the rods, links, and wires for damage and the mounting parts for looseness.	There must be no damage or looseness.	○	○	○	
		• Operate the brake repeatedly to check for looseness and rattling of connection parts and missing split pins.	There must be no looseness or rattling of connection parts, or missing split pins.	○	○	○	
Body / Loading system	Deck and Gate (Door, Sliding panel)	• Check that the deck can be moved vertically and the gate can be opened and closed smoothly.	Must operate smoothly.	○	○	○	
		• Check each part for cracks, deformation, and wear.	There must be no cracks, deformation, or wear.		○	○	
		• Check for loose or missing mounting bolts.	There must be no loose or missing bolts.	○	○	○	
		• Check the clearance of the frame to truck bed mounting pins and dump cylinder mounting pins by moving the truck bed vertically.	There must be no excessive play in the pin sections.		○	○	

Maintenance

Item		Content of inspection		Inspection interval			Remarks
				Checks before starting	Monthly	Annually	
Body/ Loading system	Body	Check the vehicle body and cover for cracking and deformation. Also check bolts and nuts for looseness and falling.	There must be no cracking or deformation on the vehicle body and cover, and no loose or missing nuts and bolts.		☐	☐	
	Safety stopper	Check for curvature or deformities.	No noticeable curvature or deformities.		☐	☐	
Hydraulic system	Hydraulic Pump Power package	Check oil for contamination.	There must be no excessive contamination of oil.		☐	☐	Inspection/replacement: See page 27
		Check breather for clogging.	There must be no clog.			☐	
		Check the bracket for proper installation, and bolts for loose or missing nuts.	The bracket must be installed properly, and there must be no loose or missing nuts and bolts.		☐	☐	
		Check hose joints and seals for oil leakage.	There must be no oil leakage.		☐	☐	
		Operate the pump to check for abnormal vibration, abnormal noise, and abnormal heating in unloaded and loaded conditions.	There must be no abnormal vibration, abnormal noise, or abnormal heating.		☐	☐	
		- With the pump loaded, check for delivery amount and delivery pressure under loading. * If any abnormality is not found in the inspection of the previous item, this inspection may be omitted.	Must be within reference values.			☐	Please contact your Canycom distributor for inspection

Maintenance

7.2 Fuel, Lubricant, and Coolant Chart

Item	Interval	Recommended product	Capacity	Page
Fuel	Whenever needed	Lead-free gasoline for cars	2.2 ℓ	See page 12
Engine oil	Filling: Check every day, add when level is low. Change: 1st time: 20 hours 2nd time on: every 100 hours	API category: SD class or above SAE category: 10W-30	0.6 ℓ	See page 25
Transmission oil	1st time: 50 hours 2nd time on: every 500 hours	Gear oil (API category: GL4 or 5 SAE category: #80)	1.0 ℓ	See page 26
Swing	Every six months *No need for greasing for the first 6 months after purchase	Chassis grease	—	See page 28
Power package oil (for hydraulic dump)	Check every 100 hours, add when level is low.	Turbine oil (ISO: VG32) (JIS: #90)	0.6 ℓ	See page 31

7.3 Replacement Parts Chart

Item		Parts number	Replacement interval	Q'ty	Page
Air cleaner element			Inspect every 50 hours (weekly), and replace if defective.	1	See page 30
Fuel filter			Inspect every 200 hours (monthly), and replace if defective.		See page 30
V-belt	Travelling	08521300031	Replace if defective.	1	Please contact your Canycom distributor, replacements.
	Hydraulic	08520000019	Replace if defective.	1	
Brake lining		79531213100	Replace if defective.	1set (The entire set is replaced)	
Crawler		35442021000	Replace if defective. One each on right and left sides	2	
Hydraulic hose	Upper side of cylinder	35496008000	Every 2 years. (Replace if defective)	1	
	Lower side of cylinder	35176021000	Every 2 years. (Replace if defective)	1	
Special replacement parts			Please contact your Canycom distributor (or our Service Center).		

NOTICE

Rubber parts such as hydraulic hoses will deteriorate even when not used. Replace them every 2 years, or whenever damaged.

Maintenance

7.4 Adding Oil

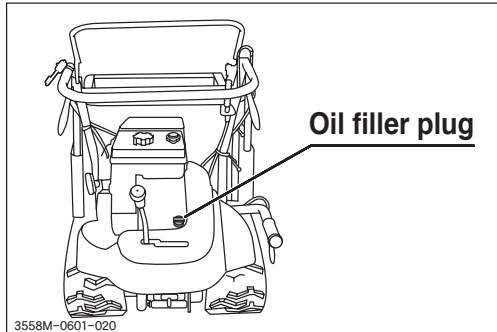
NOTICE

Oil level must be maintained and proper oil must be used, for smooth rotation. Improper maintenance and oil will cause failures and reduce the service of the machine. Always use the specified high quality oil and maintain oil at proper levels.

7.4.1 Engine Oil

Inspection/Adding

1. Remove the oil filler plug .



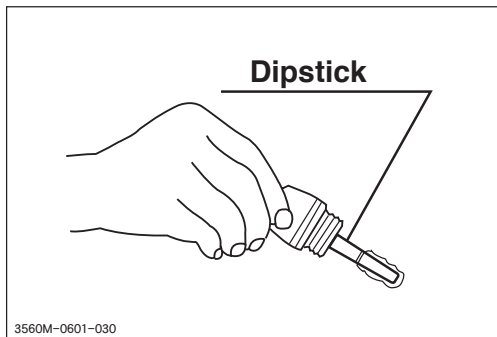
2. Visually check the engine oil level and the condition of dirt in the oil. Add or remove oil until oil level is between [F] and [L] lines on the dipstick. If the oil is extremely dirty, change the oil.

Oil to use: See page 24.

Oil amount:

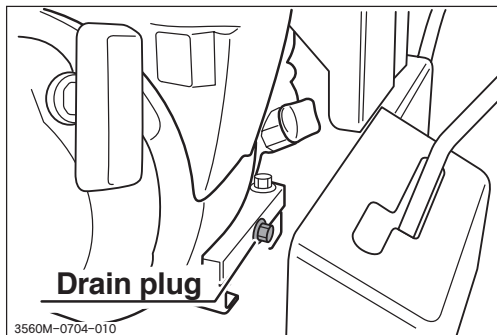
Between "F" and "L" on the dipstick.

3. Replace the fluid filler plug.



Changing

1. Prepare a suitable container to catch the drained oil.
2. Remove the oil drain plug to drain the oil from the crankcase.



CAUTION

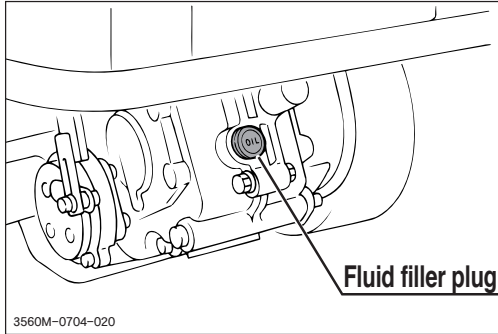
Avoid contact with high temperature oil to avoid burns.

NOTICE

Dispose of the drained oil properly.

3. Replace the oil drain plug.
4. Open the oil filler cap, and pour in the specified oil. (See item "Inspection/Adding" above.)

Maintenance



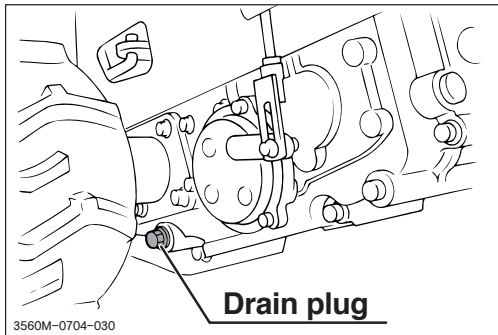
7.4.2 Transmission Fluid

Inspection/Adding

1. Remove the fluid filler plug.
2. Visually check the transmission fluid level and the condition of dirt in the fluid. If the level is low, add transmission fluid. If the fluid is extremely dirty, change the fluid.

Oil to use: See page 24.

3. Replace the fluid filler plug.



Changing

1. Prepare a suitable container to catch the drained fluid.
2. Remove the drain plug to drain the fluid.

Note:

Fluid will drain faster with fluid filler plug removed.

CAUTION

Avoid contact with high temperature oil to avoid burns.

NOTICE

Dispose of the drained oil properly.

3. Replace the drain plug.
4. Open the fluid filler plug, and add the specified fluid. (See items "Inspection" and "Adding" above.)

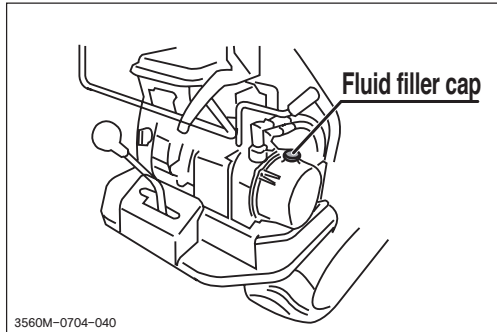
Maintenance

7.4.3 Hydraulic Pump Power Package Fluid

Inspection/Adding

NOTICE

Low fluid levels may decrease dump performance. Check the fluid level every 100 hours.



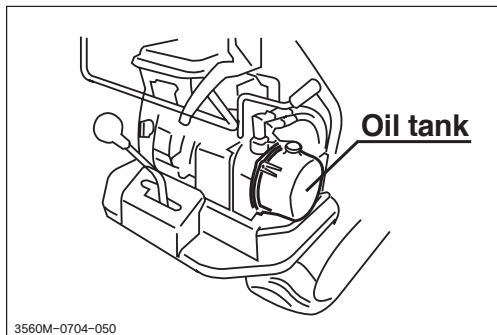
1. Remove the fluid filler cap.
2. Visually inspect the oil level. If oil is short, remove the oil filler cap and replenish oil.

Fluid to use: See page 24.

3. Replace the fluid filler cap.
4. Start the engine to circulate the fluid

NOTICE

When the engine is first started and the bed of the truck is raised after adding fluid, knocking may occur due to entrapped air. To eliminate knocking, repeat above steps 2 to 3 times.



Changing

1. Prepare a suitable container to catch the drained fluid.
2. Remove the oil tank mounting bolts, dismount the oil tank, and drain oil.

NOTICE

Dispose of the drained fluid properly.

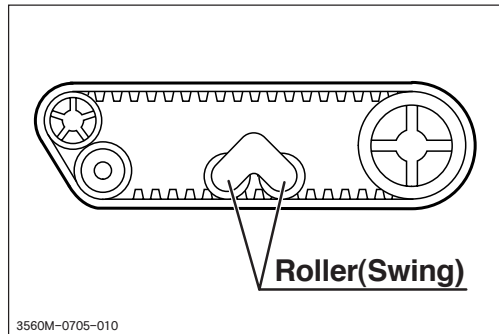
3. Replace the oil tank.
4. Open the fluid filler cap, and pour in the fluid. (See item "Inspection/Adding Fluid" above.)

Maintenance

7.5 Lubricating

NOTICE

Proper lubrication will prevent seizures and rust, and ensure smooth operation.
Lubricate every 6 months.



1. Using a commercially available manual grease pump or pneumatic grease pump, grease the areas as shown in the figure.

Grease to use: See page 24.

Reference:

When a manual grease pump is used, strike it five to six times. When the pump handle becomes heavy halfway, stop greasing at once. When a pneumatic grease pump is used, a few seconds are enough.

To lubricate swing, remove the outside nut, tighten the furnished grease fitting with a spanner, and apply grease to the rollers through the grease fitting. After greasing, remove the grease fitting, and tighten the nut firmly to the shaft.

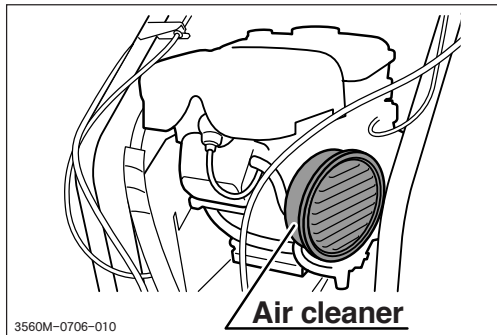
Maintenance

7.6 Cleaning

7.6.1 Air Cleaner Element

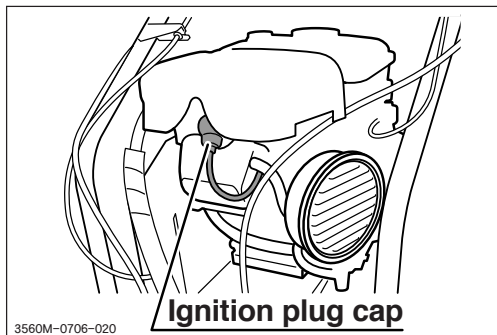
CAUTION

- A dirty air cleaner element will reduce engine performance and life. Clean every 50 hours of operation.
- Depending on the types of engines, air cleaner elements of dry type, semi-wet type, and oil bath type are available. The cleaning method for air cleaner elements varies from type to type. Consult the furnished "Engine Operation Manual" for correctly cleaning the elements.



Changing / Replacing

1. Remove the air cleaner cover.
2. Remove the air cleaner element.
3. Inspect and clean or replace the ignition plug by referring to the "Engine Operation Manual" provided.



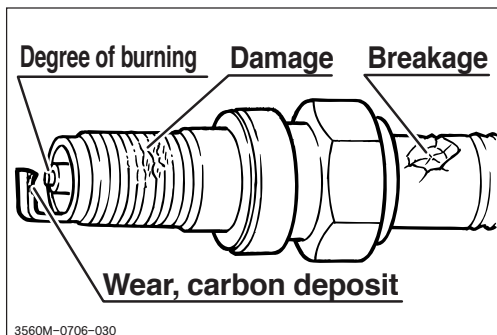
7.6.2 Ignition Plug

Inspection

1. Remove the ignition plug cap.

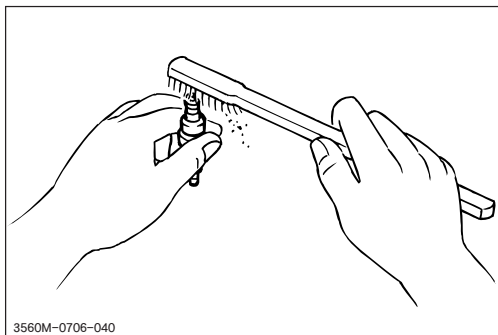
NOTICE

Do not pull on the cable when removing the ignition plug cap. Always hold the cap body.



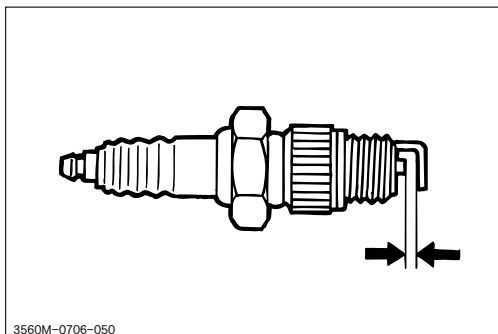
2. Remove the ignition plug using a plug wrench.
3. Check the plug for the following points and clean or replace it as necessary.
 - Presence or absence of breakage of the insulator
 - Worn electrode
 - Carbon deposit
 - Damage to and breakage of gasket
 - Degree of burning of insulator in spark section

Maintenance



Cleaning

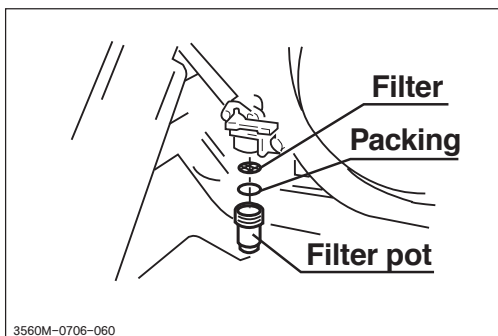
1. Clean the ignition plug using a wire brush or plug cleaner.



1. Grind the electrode with sandpaper to adjust the gap as specified.

Standard clearance: 0.7 mm

3. Replace the ignition plug.

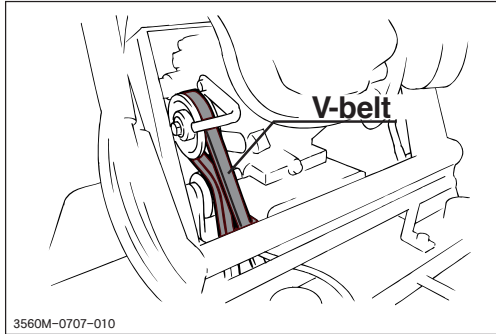


7.6.3 Fuel Cock (Fuel Filter)

Cleaning

1. Check that the fuel cock is positioned at "CLOSE".
2. Remove the fuel filter pot, and wash clean the inside of the pot and the filter with kerosene.

Maintenance



7.7 Adjustments

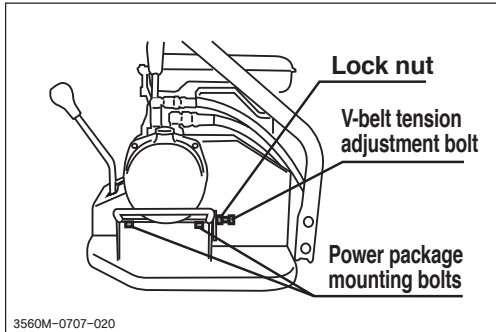
7.7.1 V-belt

Inspection (Engine V-belt)

1. Visually check the traveling V-belt for damage. If it is damaged, replace.

Changing:

Contact your Canycom distributor.



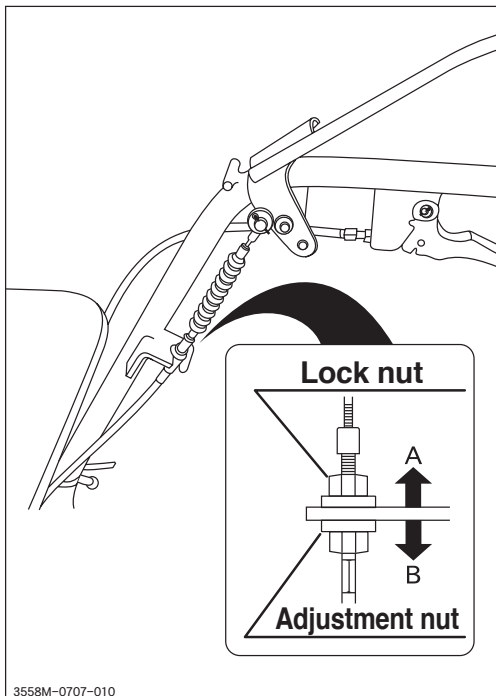
Inspection (Power Package V-belt)

1. Loosen the power package mounting bolts (4 pcs).
2. Loosen the lock nut for the V-belt tension adjustment bolt.
3. Turn the V-belt tension adjustment bolt to adjust the V-belt tension so that the belt is deflected about 10 mm when the V-belt (between the pulleys) is pressed at the center position by the finger.

NOTICE

Adjust the tension taking care so that the V-belt is not slipped.

(BP415)

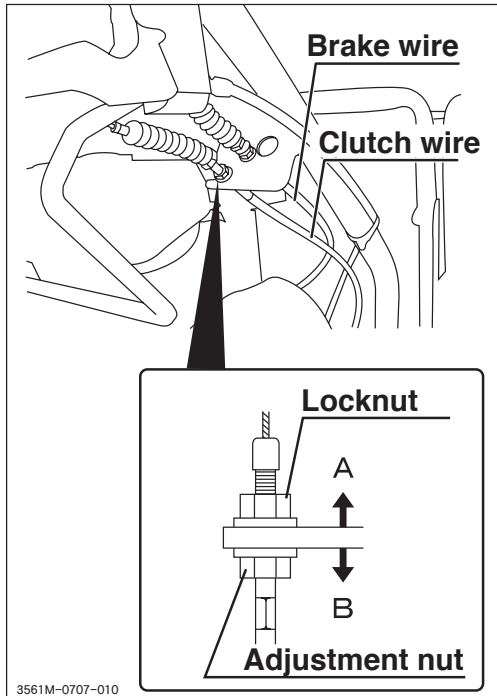


7.7.2 Clutch

1. Move the drive clutch lever to the "STOP" (lower side) position to free the clutch wire.
2. Loosen the lock nuts of the turnbuckles.
3. Turn the adjustment nut to adjust the clutch wire.
 - If the clutch cannot be disengaged easily, turn the adjust nut in direction (A).
 - If the V-belt slips, turn the adjustment nut in direction (B).
4. After the adjustment, tighten the lock nut firmly.

Maintenance

(BP416)



7.7.2 Clutch

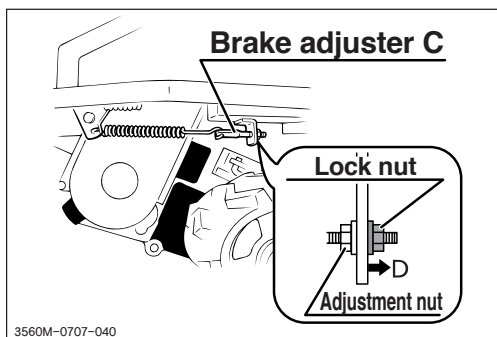
1. Move the drive clutch lever to the "STOP" (lower side) position to release the clutch wire.
2. Loosen the clutch wire lock nut.
3. Turn the adjustment nut to adjust the clutch wire.
 - If the disengagement of the running clutch is difficult, turn the adjustment nut in direction (B).
 - If the V-belt slips, turn the adjustment nut in direction (A).
4. After the adjustment, tighten the lock nut firmly.

7.7.3 Brake

NOTICE

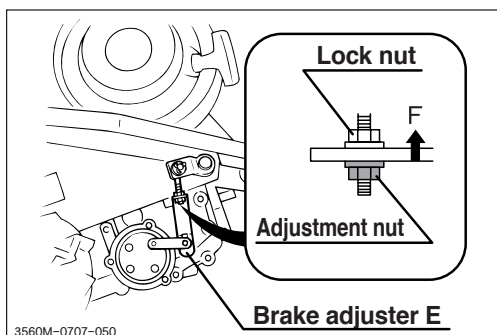
Proper brake performance is critical for safety. Always keep brakes adjusted for maximum performance.

(BP415)



1. Move the drive clutch lever to the "RUN" position to disengage the brake.
2. Loosen the lock nut for the brake adjuster C.
3. Turn the adjustment nut to adjust the brake adjuster.
 - When the effectiveness of the brake is poor. Turn the adjustment nut in D direction.
4. After the adjustment, tighten the lock nut firmly.

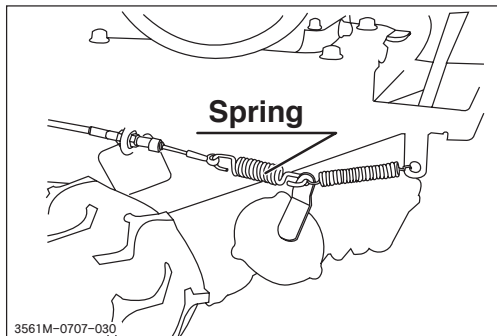
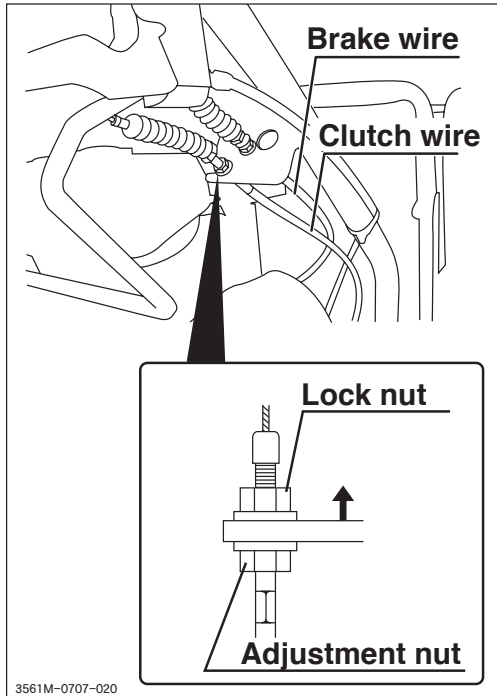
When the effectiveness of the brake is not sufficient even after the adjustment above.



5. Loosen the lock nut for the brake adjuster E.
6. Turn the adjustment nut in F direction for adjustment.
7. After the adjustment, tighten the lock nut firmly.

Maintenance

(BP416)



7.7.3 Brake

NOTICE

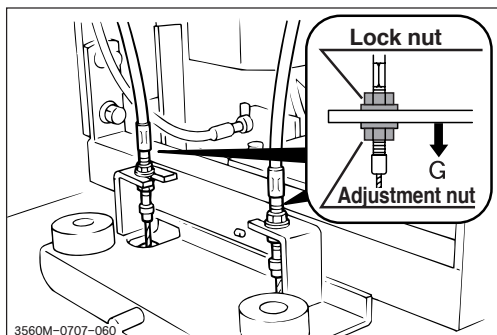
If the effectiveness of the brake is lowered, adjust it immediately even if it is very small so that safety can be assured at all times.

1. Move the drive clutch lever to the "RUN" position to release the brake.
2. Loosen the brake wire lock nut.
3. Turn the adjustment nut to adjust the brake wire.
 - When the effectiveness of the brake is low: Turn the adjustment nut in the arrow direction so that the spring connecting the transmission to the brake wire is extended by about 5 mm with the running clutch lever set to "STOP (lower side)".
4. After the adjustment, tighten the lock nut firmly.

7.7.4 Side Clutch

NOTICE

When the amount of play of the side clutch lever becomes large or when turning cannot be done smoothly, adjust the amount of play by means of the adjustment screw for the side clutch cable.



1. Loosen the lock nut for the side clutch cable.
2. Turn the adjustment screw in G direction to adjust the play of the side clutch lever.

Play of side clutch lever:
1 to 5 mm (at lever holder)
3. After the adjustment, tighten the lock nut firmly.

Maintenance

7.7.5 Track Tension

NOTICE

Loose track tension can cause the tracks to come off the machine, causing damage to the machine and possibly serious injury or death to the operator or bystanders.

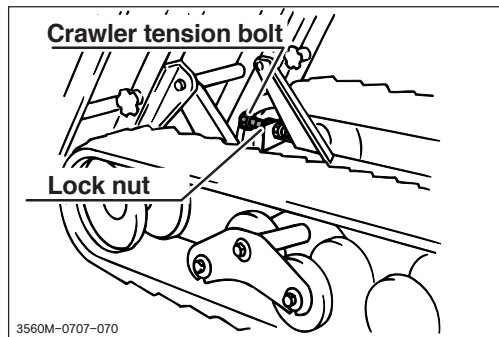
During the first 100 hours of use, the tracks stretch and the track tension loosens.

Check track tension during the preoperation inspection and as part of monthly inspections, as specified in the Regular Inspection Chart.

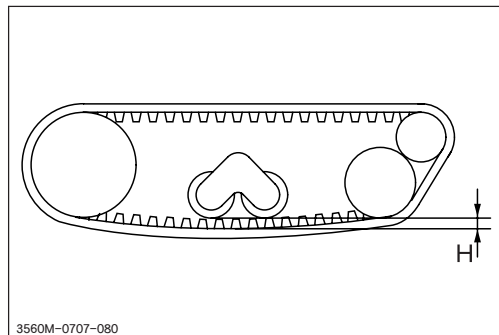
1. Jack up the front and rear of the chassis to raise the crawler on one side and make it horizontal to the ground surface.

NOTICE

Perform this step with extra care so that the jack does not move from the specified positions.

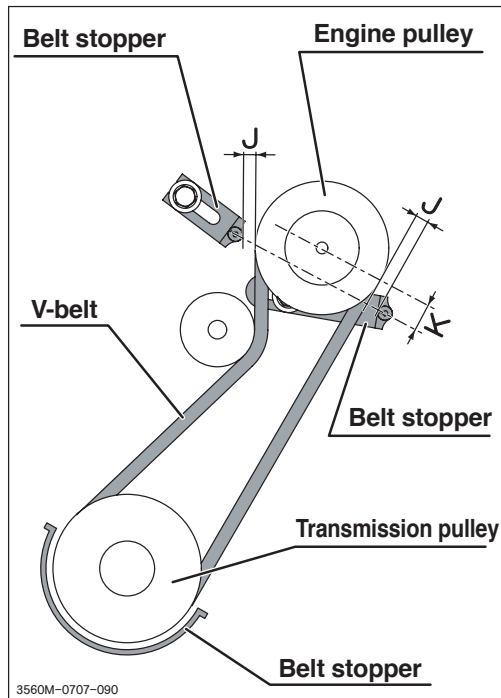


2. Raise the deck (See page 19).
3. Loosen the lock nut of the crawler tension bolt.



4. Rotate the crawler tension bolt to adjust the clearance (H in the figure) between the crawler and the lowest part of the rollers to 10 to 15 mm.
5. Lower the deck (See page 19).

Maintenance



7.7.6 Belt stopper

NOTICE

- If the drive clutch is not disengaged completely, the belt stopper may be maladjusted. When the belt stopper is removed for the replacement of the belt, adjust it as follows.
- Stop the engine during the adjustment.

1. Remove the safety cover .
2. With the drive clutch lever positioned at "RUN", set the clearance (J) between the traveling V-belt and the belt stopper to about 5 to 6 mm, and the clearance (K) to about 10 to 20 mm. (With the drive clutch lever positioned in "RUN", assure a clearance of 5 mm or more between the belt stopper and the other belt.)
3. Set the belt stopper on the transmission pulley side so that the clearance of it from the belt is uniformized all around the periphery of it.

7.8 Maintenance After Use

Maintenance After Use in Normal Conditions

- After using the machine, remove any mud, water, or other foreign matter stuck to the machine. Do not wash the engine or control panel with water. This will allow water to enter and lead to rust.
- When leaving the machine outdoors, cover it with a waterproof cover.

Maintenance After Use in Cold Weather

- After using the machine, remove any mud, water, or other foreign matter stuck to the machine. Then park the machine on concrete or firm dry ground, or set it on blocks. If water or mud stuck to the machine freezes, it may cause failure.(In extremely cold areas, put wooden blocks under the crawlers at right angles to the machine.)
- When leaving the machine outdoors, cover it with a waterproof cover.

NOTICE

If the machine freezes and it is impossible to operate, do not try to move it by force. Use warm or hot water to melt the frozen parts or wait for the ice to melt. Be careful when moving the machine. If the machine is moved by force, Canycom does not take responsibility for damage or failure.

Storage (Long-term Storage)

8. Storage (Long-term Storage)

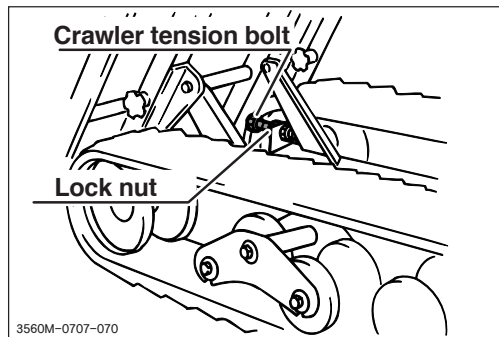
When storing for a long time, it is necessary to take suitable action to prepare for the next time that the machine is used. When preparing for long-term storage, carry out "Maintenance after use" (see page 35), then do as follows.

⚠ DANGER

Do not store this machine, the battery, or fuel in a place where there is a flame or where the temperature is high. There is a danger of fire.

NOTICE

Avoid storing the machine in a place where there is high humidity or excessive dust. When storing, wait for the engine to cool down, then cover the machine with a waterproof sheet.



8.1 Machine

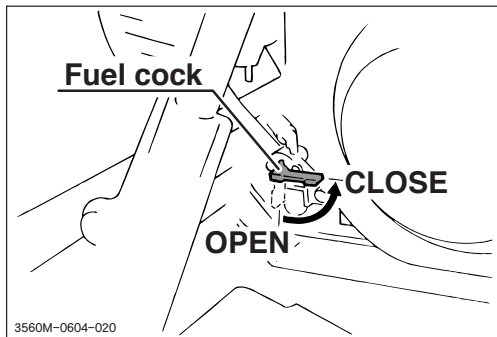
1. Loosen the crawler tension bolts (See Page 34).
2. Clean the outside surface of the machine with an oily cloth, then lubricate the rotating and sliding parts.
3. Place a board under the crawler.
4. Position the clutch lever at "STOP", and chock the crawler.

Storage (Long-term Storage)

8.2 Engine

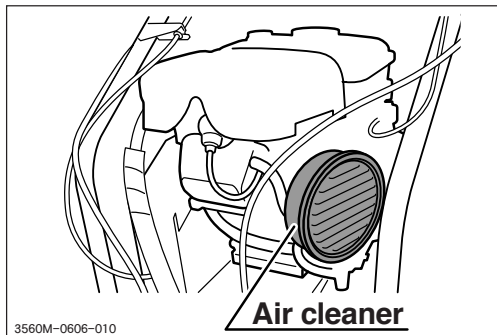
NOTICE

- If fuel is left in the carburetor for a long period, it will deteriorate, and problems with starting and rotational fluctuation may occur. To prevent these problems, when storing the engine for a long period, drain the fuel in the carburetor and the fuel tank. Do not use fuel which has been left for a long period.
- For details about engine storage, refer to the furnished "Engine Operation Manual" provided.



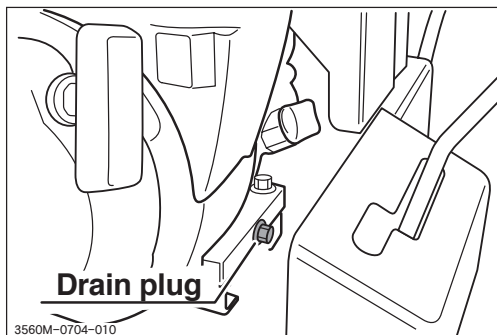
8.2.1 Fuel Cock

1. Turn the fuel cock to the "CLOSE" position to cut off the fuel supply.



8.2.2 Cleaning Air Cleaner Element

1. Remove the air cleaner element and clean it. (See page 28)



8.2.3 Replacing Engine Oil

1. Drain the engine oil, then fill with fresh engine oil. (See page 25)

Troubleshooting

9. Troubleshooting

Some repairs require specialized service knowledge or equipment, as indicated in the Troubleshooting Chart. In these cases, contact your dealer for repair, adjustment, or part replacement.

WARNING

If a machine malfunctions or has abnormal operation, stop using the machine immediately. Using the machine when it is malfunctioning or operating abnormally could injure or kill the operator or bystanders, or damage the machine.

Use the information in the Troubleshooting Chart to fix the problem. When troubleshooting procedures involve fuel, oil or other mechanical fluids, or the battery, take all appropriate safety precautions. Follow all safety precautions for using and inspecting the machine, as appropriate for a given troubleshooting procedure.

If you can not resolve the problem or do not have the correct tools or knowledge, take the machine to your dealer or Canycom service center for repair, adjustment, or part replacement.

Troubleshooting Chart

Location	Problem	Main causes	Remedy
Engine related	Engine does not start or is difficult to start	• No fuel • Excessive fuel flow • Engine oil is low • Defective ignition of ignition plug due to contamination or • insufficient sparking - Other	→ Add fuel (See page 12) → Wait for a while before starting → Add fuel (See page 25) → Clean or replace (See page 29) → Follow procedure in 6.2 "Method of starting" and try to start again. If the engine still cannot be started, please contact your Canycom distributor
	Engine stops immediately	• Fuel cock not open • No fuel • Failure to return choke	→ Open the fuel cock (See page 13) → Add fuel (See page 12) → Return the choke (See page 14)
	Engine suddenly stopped	• Out of fuel • Seizure caused by lack of engine oil or by deterioration of oil	→ Add fuel (See page 12) → Inspect and add oil (See page 25)

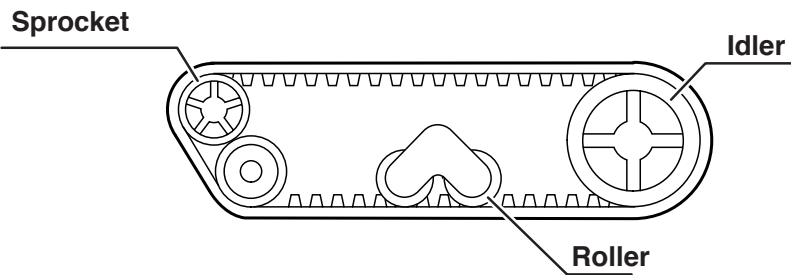
Troubleshooting

Location	Problem	Main causes	Remedy
Engine related	Defective idling (variation in engine speed)	_____	→ Please contact your Canycom distributor
	Lack of output or acceleration	• Looseness of V-belt • Defective adjustment of accelerator • Overload	→ Adjust → Please contact your Canycom distributor → Reduce load
	Abnormal noise or vibration from engine or around engine	• Looseness of screw	→ Inspect and further tighten.
	Excessive consumption of engine oil	• Leakage of engine oil	→ Check and repair
	Engine overheats	• Lack of engine oil	→ Add oil (see page 25)
	Excessive consumption of fuel	• Leakage of fuel from fuel system • Clogged air cleaner	→ Check and repair (please contact your Canycom distributor) → Clean or replace (See page 29)
	Large amounts of black smoke are emitted (defective exhaust condition)	• Defective compression • Clogged air cleaner • Failure to return choke	→ Check and repair (please contact your Canycom distributor) → Clean or replace (See page 29) → Return the choke
	White smoke or blue smoke is emitted (defective exhaust condition)	• Engine oil level is too high • Improper fuel • Worn cylinder, piston ring	→ After inspecting, adjust oil level (See page 25) → Change fuel → Check and repair (please contact your Canycom distributor)
	Throttle lever is catching	• Throttle cable broken or rusted • Throttle lever deformed or malfunctioning	→ Replace (please contact your Canycom distributor) → Replace (please contact your Canycom distributor)

Troubleshooting

Location	Problem	Main causes	Remedy
Power trans- mission system	Vehicle will not move even when the clutch is engaged	• Gears are not shifted completely • The vehicle does not move even when the clutch is engaged. • V-belt disengaged or excessively loosened • Failure of transmission	→ Shift the gears completely → The brake is applied. Adjust the brake (See page 32) → Engage the V-belt, or adjust (please contact your Canycom distributor) → Please contact your Canycom distributor
	Clutch disengagement is bad	• Improper adjustment	→ Adjust (See page 31)
	The V-belt slips when the clutch is let in	• Improper adjustment	→ Adjust (See page 31)
	Abnormal noise is made near the transmission	• Damaged gear or worn bearing	→ Please contact your Canycom distributor
	Gears cannot be shifted	• Improper adjustment of clutch • Damaged gear or worn bearing	→ Adjust (See page 31) → Please contact your Canycom distributor
	Gears disengage	• Gears not smoothly shifting • Worn gear • Excessive loading	→ Firmly shift gears → Please contact your Canycom distributor → Reduce loading
	The side clutch is loose	• Improper adjustment	→ Adjust (See page 33)
	Turning cannot be done smoothly	• Improper adjustment	→ Adjust (See page 33)

Troubleshooting

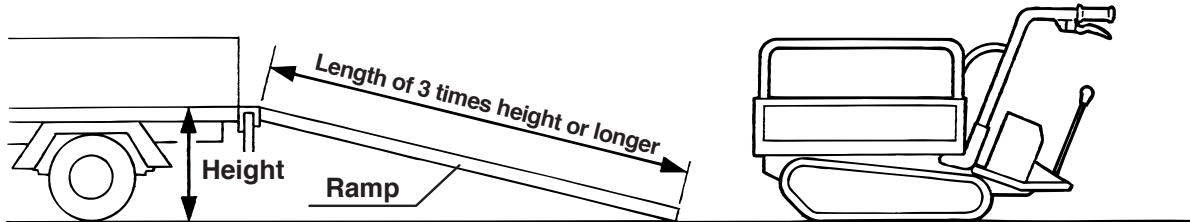
Location	Problem	Main causes	Remedy
Brake	Poor braking	• Adjust nut loosened • Brake lining worn • Oil in brake drum • Water in brake drum • Overload	→ Adjust (See page 31) → Replace the lining (Please contact your Canycom distributor) → Replace the oil seal (Please contact your Canycom distributor) → Apply the brake several times to eliminate water in the brake drum → Reduce the oveload
Crawler	Crawler does not turn smoothly	• Improper adjustment	→ Adjust (See page 34)
Roller, upper roller, and idler	Discontinuous noise	• Defective bearings	→ Replace the defective part (Please contact your Canycom distributor)
	Abnormal heating	• Defective bearings	→ Replace the defective part (Please contact your Canycom distributor)
	 The diagram illustrates a crawler track system. On the left, a large gear is labeled 'Sprocket'. On the right, a smaller gear is labeled 'Idler'. Between them, a series of small circles representing the track links are shown. One of these circles is labeled 'Roller'. The track is shown in a loop, with the sprocket and idler guiding it.		
Lift and dump system	The dump or lift equipment does not operate, or mal-functions.	• Oil in the power package is short or deteriorated. • Oil leakage from hydraulic system • Belt tension not sufficient	→ Add or replace (See page 27) → Inspect and repair → Adjust (See page 35)

Transporting Machine

10. Transporting Machine

When loading and unloading this machine onto a truck for transportation, follow these safety precautions.

1. Use ramps that have ample strength (that can hold the total weight of the machine and operator), width (at least 1.2 times the width of the crawler), and length (at least 3 times the height of the bed of the truck), and are fitted with no-slip pads. Choose a place where the ramps will not bend under the weight of the machine.



2. Fit the hooks of the ramps to the bed of the truck so that they do not slip and so that there is no height difference from the bed of the truck.

⚠ DANGER

- When loading and unloading the machine, do not allow anyone to come near the machine or the ramps.
- Do not change direction on the ramps. There is a danger that the machine will fall off.
- When driving up the ramps, shift the gear shift lever to the forward 1st position, and when driving down, shift it to the reverse 1st position, then travel slowly.

⚠ CAUTION

The gravity center of the machine may suddenly shift, when crossing from the ramps into the bed of the truck.

Dealer (Duplicate)

Accountable receipt of guarantee certificate

Based on the instruction manual for the following product I have purchased, I have been given guidance and explanations as to the safe operation as well as handling and control and I have received this guarantee certificate.

Customer (Signature)	Address	
	Name	

Product purchased	Model name	
	Production number	

Dealer	Delivery inspection	(Person in charge)
	Explainer	

Date of explanation	
Person who received explanations	

Dealer name	
-------------	--

Remarks

Customer (Duplicate)

Accountable receipt of guarantee certificate

Based on the instruction manual for the following product I have purchased, I have been given guidance and explanations as to the safe operation as well as handling and control and I have received this guarantee certificate.

Customer (Signature)	Address	
	Name	

Product purchased	Model name	
	Production number	

Dealer	Delivery inspection	(Person in charge)
	Explainer	

Date of explanation	
Person who received explanations	

Dealer name	
-------------	--

Remarks

※ The back is the guarantee certificate.

Guarantee certificate

Thank you very much for purchasing our company's product this time.

We guarantee the product you have purchased as shown below.

1. Period of guarantee: Shall be one year counting from the date of delivery.
2. Details of guarantee: Only if a defect in design and manufacturing is found in the parts, materials, etc. which constitute this machine during the period of guarantee and our company acknowledges this defect, we will replace or repair the part in question, free of charge, at our company's authorized dealer, agricultural cooperative association, or its designated service factory.
3. Exclusion of application: Even during the period of guarantee, we will not provide guarantee in the following cases.
 - (1) A case where a failure results from carelessness in use and handling, negligence, or imperfection checking
 - (2) A case where a failure results from the use in which the limit of the specifications specified by our company is exceeded
 - (3) A case where a modification or alteration which is not approved by our company causes a failure
 - (4) A case where a failure results from the use of parts other than our company's genuine parts
 - (5) A case where a failure results from repair which is done somewhere other than our company's authorized dealer, agricultural cooperative association, or its designated service factory
 - (6) A case where failure determination materials are insufficient and the damaged part is lost.
 - (7) Consumable parts
 - (8) When the guarantee certificate is not presented, you may have to pay the cost.
 - (9) Even if the guarantee certificate is lost, we will not reissue it.

CANYCOM

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Ukiha gun, Fukuoka, Japan

CHIKUSUI CANYCOM, INC.

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■ Tokyo Headquarters	☎ 03(3552)6255	FAX (3552)6288	■ Hiroshima Center	☎ 0824(34)5996	FAX (34)5997
■ Foreign Trade Center	☎ 03(3552)6255	FAX (3552)6288	■ Matsuyama Center	☎ 0899(83)2701	FAX (83)5749
■ Sendai Center	☎ 022(281)1255	FAX (281)3141	■ Fukuoka Center	☎ 09437(6)2583	FAX (5)5126
■ Saitama Center	☎ 0495(77)4511	FAX (77)4511	■ Kagoshima Center	☎ 0995(58)3011	FAX (58)2344

Memo of address and telephone number
(Name of dealer)