



MODEL NUMBER: _____

SERIAL NUMBER: _____

WD25W MINI DUMPER Owner's Manual

Original Instructions

Instructions for Safety, Operation and Maintenance



Thank you for purchasing WALLEMAC products!

Before operating machine, please read operating manual, learn safety and operational knowledge carefully.

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I. ABOUT YOUR DUMPER

1. Owner/Operator/Renter Training

Read and follow all instructions and safety precautions presented throughout this manual. A summary of important safety information can be found at the end of the manual. Keep this manual for reference and review. *If the owner of this unit is different than the operator, give a copy of this manual to any operator to read.*

2. Rental Companies

All persons to whom you rent/loan this dumper must have access to this manual and read it. Check the tube on the side of the unit to make sure a manual is inside. Advise all persons who will operate the machine to read it. You should also provide personal instruction on how to safely operate the dumper and remain available to answer any questions a renter/borrower might have. If videos are available, have renter watch training video.

3. Engine Instructions

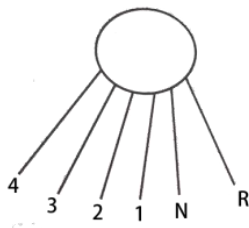
For detailed engine operation and maintenance information, always refer to the engine Owner's Manual furnished with the dumper.

4. Product Introduction

This machine is a kind of small dump-truck, change traditional mode of human pushing walking and adopt unique four-wheel-drive form by power. All these advance its working ability in the field.

Its body adopts sheet metal structure, not only reduce gross weight, but also increase its loading capacity.

There are four forward gears and 1 reverse gear. The operator has more choices under different work environment.



It uses reverse control to brake, which is easy to operate. It also use an emergency button on the engine, so that the power can be cut off at any moment. The protection for tire is reasonable, not only safe, but also beautiful. According to different configuration, the machine can be used in loading sand, soil, stone, mud, wood, fodder and brick, etc., it is prohibited to load hot materials such as hot steel plates, hot asphaltum etc.

5. Warranty Registration

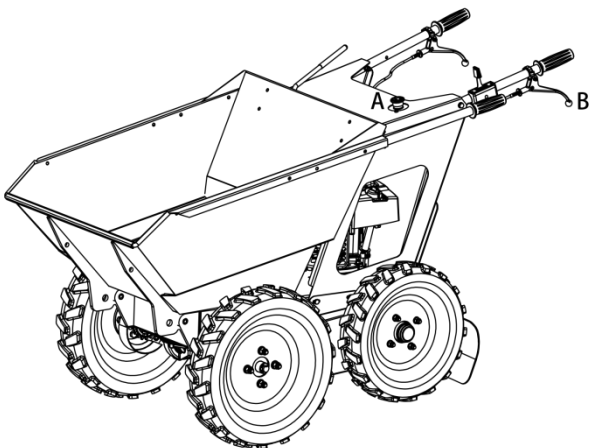
Please fill out and submit the warranty registration card so that we have your contact information for any future product literature or replacement parts you may need.

There may be technical or typesetting errors, so our company will update the manual regularly, and put revised content in new version. Our company have the right of improving & updating product at any time. It is (these are) subject to change without notice.

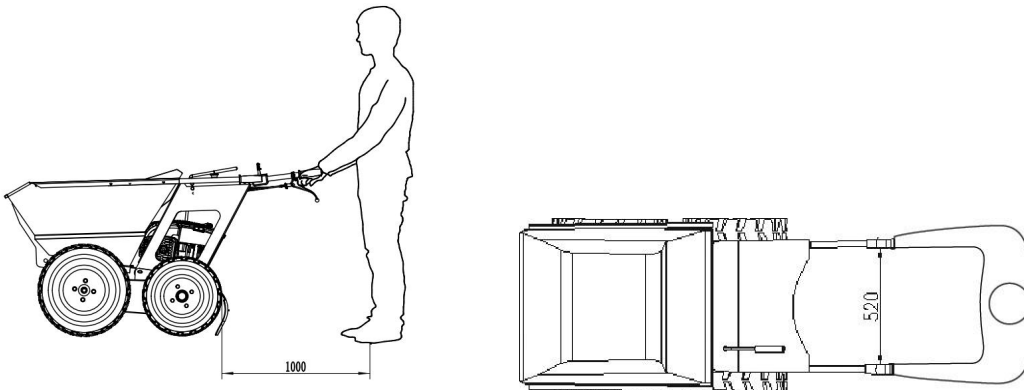
In writing manual, there is errors and omissions inevitably, please forgive us and your correction is welcomed. However, our company will not take responsibility. If you did not show any written disagreement on the manual, so we think that you agree to all the contents of the manual.

II. SAFETY TIPS

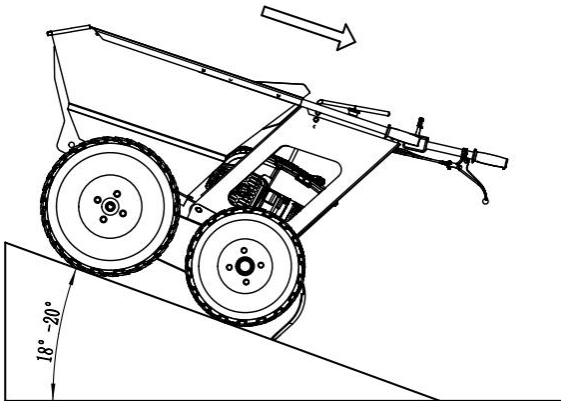
1. No loading with corrosive, toxic objects; No overloading (rated load 260 kg); No carrying people.
2. During the course of operation, any emergency, please release brake handle(B) on left hand immediately, then press emergency stop switch(A) quickly.



3. During working, people should stand in the middle of the two handles, and keep a certain space from engaged wheel, so that avoid injuries of foot touching engaged wheel during walking.



4. When the gradient of 18~20°, and running downgrade under rated load, only running backward is allowed to prevent overturning accidents.



5. There is some vibration (T25:6.49m/s²; T25X:3.68m/s²) and noise(T25:83.8dB; T25X:82.8dB) when working. If work for a long-term continuous, please wear appropriate ear-protector, so as not to cause hearing damage. There would be some harmful emissions gas when start gasoline engine.

6. Before loading, machine should be placed in flat place. No overloading (rated load 260 kg). When loading scattered granular objects, please loading averagely. Not allow filling to one side, so as to avoid overturning. When loading solid or larger than volume of bucket, it should be tied up firmly.

7. When machine is working, any part of your body don't touch the surface or gap between tire and machine body, so as to avoid body injury.

8. When working or unloading, please confirm there is no people in the front or side of machine. Also obstructions of easy collision and friction are not allowed.

9. Not allowed running or unloading in the soft muddy road, so as to avoid quagmire and overturning. Don't work in slippery road to avoid danger out of control.

10. Not allowed running or working in the place with fireworks to prevent fires. If body of machine is on fire, please use dry powder fire extinguisher.

11. Don't working under tire pressure below the rated pressure (drive wheel: 25~30 psi, engaged wheel: 25~30 psi, transition wheel: 10~15 psi) and tire burst, otherwise it will cause danger to people and affect useful-time of machine.

12. Adding gasoline

- a. close engine, let engine cooling for two minutes at least, then remove fuel tank cover.
- b. inject gasoline in outdoors or in well-ventilated area.
- c. do not make gasoline spill.
- d. check equipment which easy to crack or leak , such as tubing, fuel tanks, fuel tank cover. If necessary, replace easy-damaged parts.

13. Starting engine

- a. ensure spark plug, muffler, air filter of fuel cover to a normal position.
- b. do not start engine by rotating crankshaft under spark plug removed.
- c. If gasoline overflows, please wait its volatilization and then restart.
- d. If gasoline comes into engine, please set choke as OPEN/RUN, and air throttle as FAST, then rotating crankshaft till engine started.

14. Operating equipment

Do not block carburetor prevent engine stop working.

15. Transit equipment

Please confirm no gasoline in oil tank.

16. Store gasoline or equipment under the condition of oil tank without gasoline

Keep gasoline or equipment far away from melting pot, stove, water heater or other pilot flame even fire source, because they may ignite gasoline vapour

17. There may be spark phenomenon when start engine. When start engine, flammable gas nearby may be ignited and cause an explosion or fire. If there is leakage of natural gas or liquefied petroleum gas, do not start engine there.

18. When start engine, please pull start rope slowly before feeling resistance, then pull start rope quickly. If take start rope back too quickly (rebound), there may lead to your arm towards to engine and can't release rope in time, then resulting in bone fragmentation, fracture, bruise or sprain.

19. Don't start or operate engine in a closed area, even if the window is open. When start engine, it releases carbon monoxide that is colorless, odorless toxic gas. Inbreathing carbon monoxide may lead to nausea, syncope or even death.

20. Touch engine just after cooling of muffler, engine cylinder and heat sink and clear flammable materials accumulated in cylinder near muffler region. Engine under working can emanate heat,

especially muffler's temperature is very high. Touching with parts with high temperature will lead to serious thermal burns. Debris objects like leave, grass, brush and others will be easy to get fire.

III. SAFETY DECALS & DECAL LOCATIONS

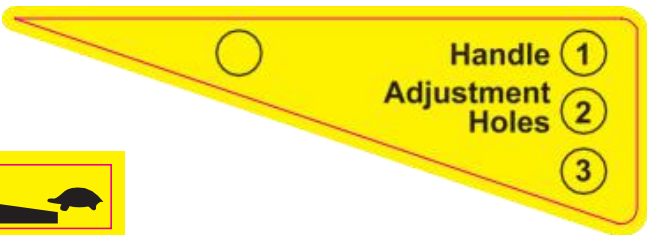
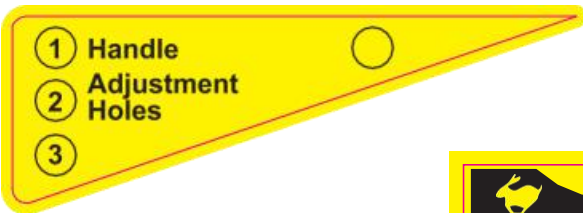
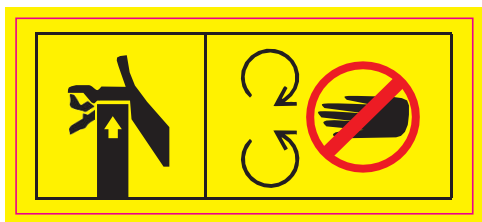
Here below are the safety labels and locations, **ALWAYS** make sure safety labels are in place and in good condition, If a safety label is missing or not legible, order new labels.

⚠ ATTENTION

- Be sure to read the instruction manual before use or maintenance of the machine.
- Discard any unauthorized person, inexperienced or not trained in the use of this machine.
- Before use, check that all protective and safety devices are operational.
- Check that the engine is off and the spark plug wire is disconnected before working on the machine or contact with a mobile element.
- Never leave the machine running unattended.
- Always stop the engine when you leave the workstation.
- Always let the engine cool before refueling or oil.

MAINTENANCE NEEDED EVERY WEEK PROLONGED OR AFTER EACH USE

- CLEAN MACHINE
- ADJUST THE BELT TENSION UNDER INSTRUCTION MANUAL
- CHECK TYRE PRESSURE(PSI 30-2 bar)
- CHECK AND CLEAN THE AIR FILTER
- CHECK THE LUBRICATION POINTS



CAUTION
Please check
operational
engine before
starting.

Engine oil:
10W-30

Tyre Pressure: 29-30 PSI

NO CARRYING PEOPLE

DO NOT SHIFT GEARS WHEN MOVING

Getting Started

- 1.Fill tank with unleaded gasoline
- 2.Set machine on firm ground and check oil levels.
3. To start the engine, push the throttle lever (a) fully backward to engage the choke.
Check if the emergency button is released.
4. Move throttle lever(a) forwards slightly to disengage the choke and set the engine speed to fast.
Allow the engine to warm up.

a: Throttle lever
b: Clutch lever
c: Skip release lever
d: Gear change lever
e: Tipping bucket handle

Move

To Move Forward:

1. Select required speed with gear change lever(d) from position 1 to position 4
2. Gently engage clutch lever(b).
3. Control engine speed with throttle lever

To Reverse:

1. Move gear change lever(d) to position R(reverse).
2. Gently engage clutch lever(b).

Stop

1. Release the clutch lever(b).
2. Push the throttle lever (a) fully forward to power off the engine.

Emergency Stop

Press the Emergency Button(Red Button) to stop engine when emergency.

Note:
After engine power off, please release the emergency button(Turn it as the direction shows on the button.)

Skip Operation

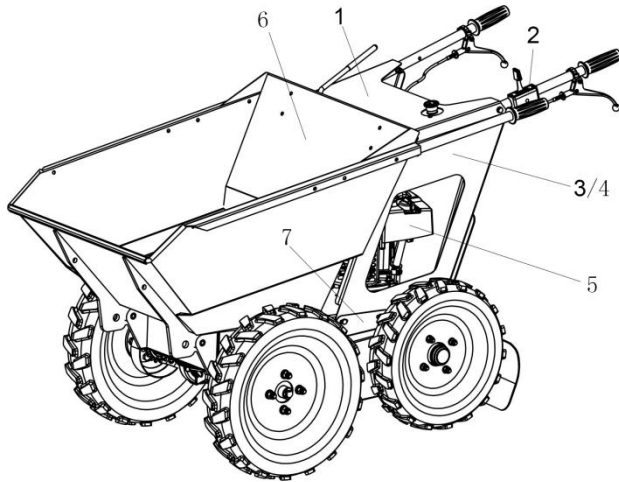
To Empty Skip:

1. Disengage the skip release lever(c) with right hand.
2. Lift up the tipping bucket handle(e) with left hand to dump the load.

To Reset Skip:

1. Manually pull the skip back into the machine.
2. The locking catch will automatically engage.

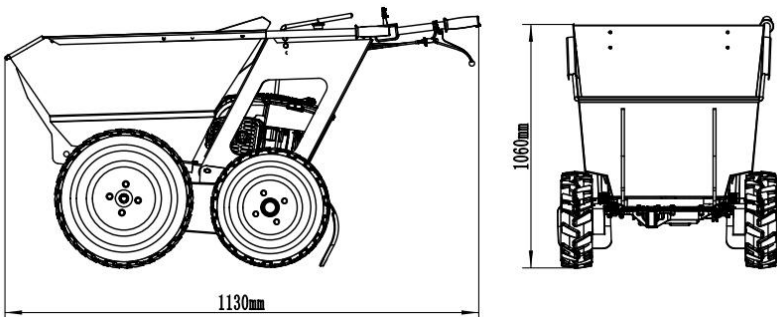
Note: Check that the locking catch has engaged before moving off.

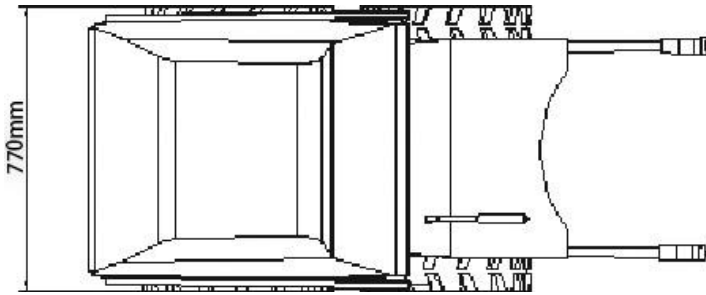


Reference#	Description
1	Caution
2	Throttle Lever Identification
3/4	Handle Adjustment Holes
5	Scald Hazard
6	Attention
7	Wring Hand Hazard

IV. SPECIFICATIONS

Machine's overall dimension and main parameter, please check table below:





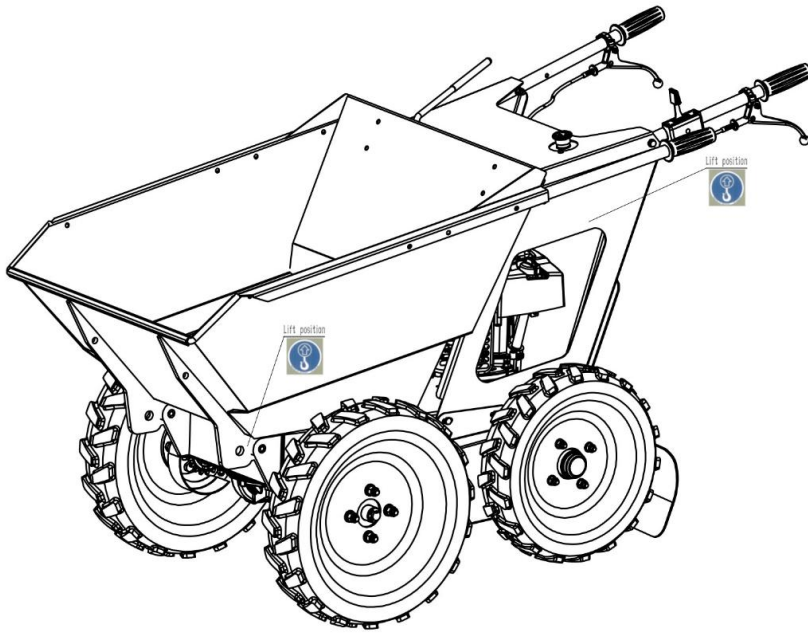
Item/Model	T25	T25x
Overall Dimensions(mm)	1330*770*1060	1330*770*1060
Weight(kg)	119	119
Rated Load(kg)	260	260
Capacity(m ³)	0.2	0.2
Maximum Forward Speed(km/h)	3.78	3.78
Maximum Reverse Speed(km/h)	1.88	1.88
Tyre Pressure(psi)	30	30
Main Function	Loading, transporting scattered objects	
Store Condition	Ventilated, dry, away from fire source	

V. TRANSPORTING & STORING

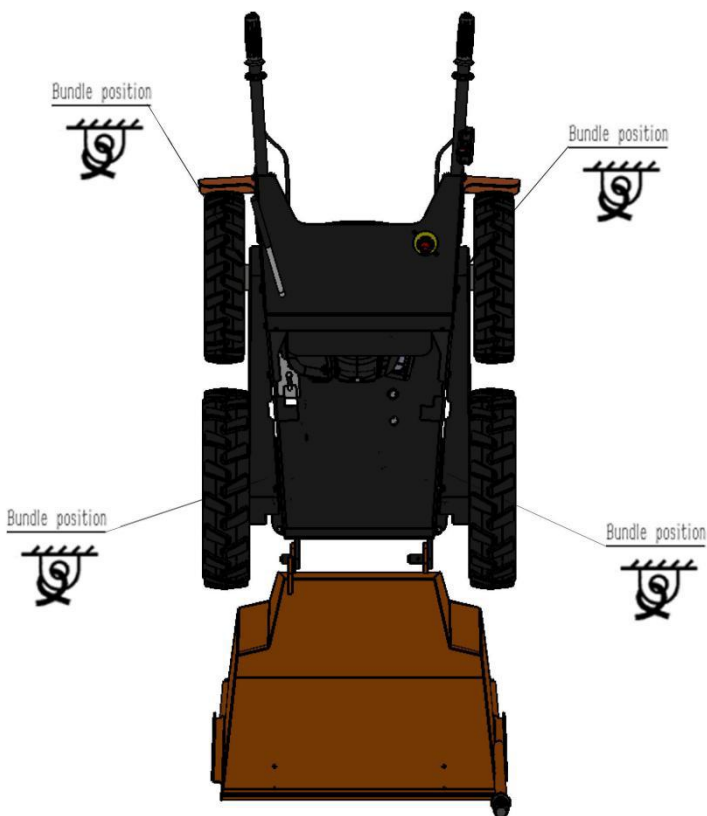
1. Transporting

The mini dumper is designed to be transported via a van or small trailer. The machine is equipped with grab bars that are to be used for both lifting the machine, and strapping it down. This machine weighs approximately 119kg and should only be lifted using correct apparatus.

- 1) When the mini dumper is packaged in the plywood case, we can carry machine by forklift.
- 2) Without package, we can lift the machine at the point of lift label shown.
- 3) Tie the machine at the point of tying label when transport for long distance to keep the machine stable.



Remark: Please note there are two more lifting labels at the same position on the other side.



Note: There are legal road requirements for transiting mini machines. It is the owner's responsibility to be aware of these laws and to adhere to them.

2. Storing

When you finished using the dumper and it has cooled, you must:

- 1) Cool engine before storage.
- 2) Clean the dumper.
- 3) Inspect for worn or damaged parts.
- 4) Choose covered storage location.
- 5) Prevent accidental starting.
- 6) Plan on exercising the engine at least monthly unless the dumper is prepared for long term storage.

Detailed instructions are provided below:

Cool Engine	Let engine cool for at least 30 minutes before storing. A hot engine can be a fire hazard.
Clean Dumper	Clean all grease, dirt, mud and other foreign matter from the machine. Touch up paint damage to prevent rust.
Inspect Dumper	Inspect the machine for worn or damaged parts and tighten any nuts or screws that may have become loose. Pay particular attention to the tipping bucket.
Choose a Storage Location	Store the dumper in a location that is: <ul style="list-style-type: none">● Clean and dry● Away from sources of heat, open flames, sparks, or pilot lights, even if the dumper's gas tank is empty. Residual gasoline could ignite.● Away from extreme high or low temperatures.● Cover it for extra protection.
Remove Spark Plug	Remove spark plug, in order to ensure the dumper cannot be started in a storage location or untrained persons or children.
Start dumper Every 4 Weeks	The dumper should be started regularly. At least every 4 weeks, start the engine and let it run for 10 to 15 minutes.

	<p>Monthly exercising of the dumper will dry out any moisture that has accumulated, lubricate cylinders, and clean out old gas in the carburetor. Moisture, old gas, and dry mechanical parts cause deterioration in stored engines.</p>
<p>Prepare Engine for Long Term (Seasonal) Storage if needed</p>	<p>If you will not be able to start the dumper regularly, you must prepare the engine for long term storage to prevent gum deposits from forming and causing malfunction of the engine.</p> <p>Prepare engine for long term storage by:</p> <ul style="list-style-type: none"> ● Removing all gasoline from the tank and carburetor <p><u>OR</u></p> <ul style="list-style-type: none"> ● Adding fuel stabilizer to the gasoline (following manufacturer's instructions) <p>Fuel stabilizer steps:</p> <ol style="list-style-type: none"> 1. Ensure gas tank is full. 2. Add fuel stabilizer to fuel tank. 3. Run engine at least 10 minutes after adding stabilizer to allow it to enter the fuel system. 4. Shut off engine. 5. Disconnect spark plug wire and remove spark plug. 6. Add one teaspoon oil through spark plug hole. 7. Place rag over spark plug hole and turn starter (or pull the recoil) a few times to lubricate the combustion chamber. 8. Replace spark plug, but do not reconnect the spark plug wire. <p>⚠WARNING: Gasoline fire / explosion hazard</p> <p>Gasoline is highly flammable and explosive. Drain the fuel into an approved container OUTDOORS and far away from open flame. NEVER store an engine with fuel</p>

in the tank indoors or in poorly ventilated spaces where fuel vapor can come in contact with

- Static electric sparks.
- Sparks from electric wiring, batteries, or running engines.
- Sources of heat (such as a hot engine or exhaust).
- Open flames, including pilot lights.

Warning:

ALWAYS shut off the engine, make sure the engine is cool, and disconnect the spark plug before cleaning, adjusting, or servicing the dumper. Make sure all guards and shields are replaced before using.

VI. MACHINE OPERATING

1. Pre-Start Check List & Procedures

A new engine is shipped without oil. You must add the correct amount of oil to engine crankcase otherwise the engine will be damaged beyond repair. (Note: **#92** gasoline fuel and **10w-30** engine oil.)

Before starting the engine, you have to complete the following procedures:

1. Checking Controls.
2. Checking Tipping Bucket.
3. Checking Bucket Catch Lever.
4. Checking Belts and Tires.
5. Checking/Adding Oil.
6. Filling mini dumper Gasoline Tank.
7. Inspecting Fuel System for Leaks.
8. Wearing Personal Protection.

9. Clearing Area of People and Objects.

10. Working During the day or above 500lux in lighting conditions.

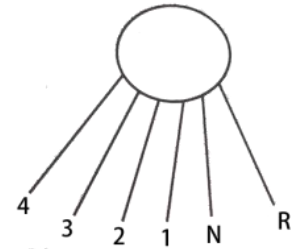
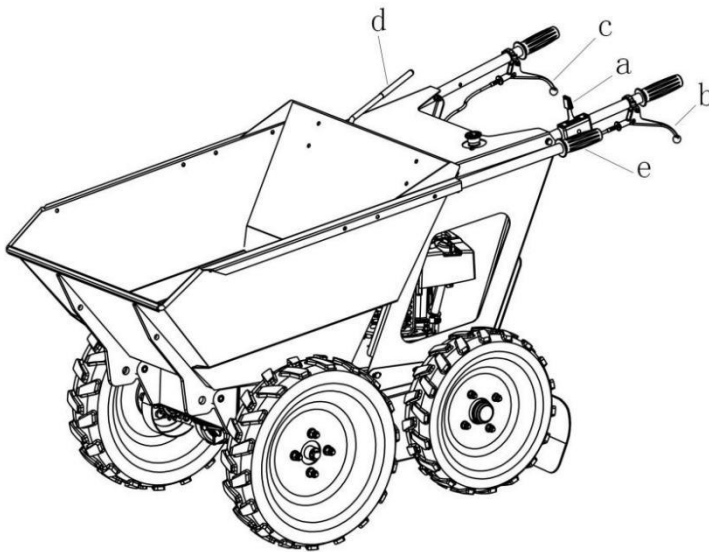
Each of these procedures is discussed in detail below:

Check Controls	<p>All guards are in place and tight.</p> <p>Operator presence bar switch is free moving.</p> <p>Inspect tires and rims for looseness, damage, and tire inflation.</p>
Check Tipping Bucket&Bucket Catch Lever	<p>Inspect tipping bucket for tightness and the bucket catch lever can work normally.</p> <p>Only use factory-approved parts for repair.</p>
Checking Belts and Tires	<p>Check the tension of the belts and check the tire pressure.</p>
Check/Add oil	<p>Check the oil level using the dipstick and add oil as needed.</p> <p>Using a funnel, add oil up to the FULL mark o the dipstick with the recommended oil type for your engine and expected ambient conditions.</p> <p>(See engine Owner's Manual for oil type and capacity, and more detailed oil check/fill instructions).</p> <p>▲WARNING: Burn Hazard</p> <p>Never open oil fill port while engine is running. Hot oil can spray over face and body.</p>
Fill mini dumper gasoline tank	<p>Check the gasoline level in the engine's fuel tank. If needed, fill tank with fresh unleaded gasoline from a portable container, after first reading the warnings and instruction below.</p> <ul style="list-style-type: none"> - DO NOT fill the gas tank to the top. Gasoline may spill when operating on a slope. - DO NOT overfill the gasoline tank. Allow at least 1" (2.54cm) of empty space below the fill neck to allow for fuel expansion. <p>#92 gasoline fuel and 10w-30 engine oil</p> <p>▲WARNING: Gasoline fire/explosion hazard</p>

	<p>Gasoline is highly flammable and explosive. Heat, sparks and flames can ignite gasoline vapors, which can become widespread during fueling. A flash fire ignition and/or explosion could result and cause serious injury or death. The following conditions could result in gasoline ignition/explosion:</p> <ul style="list-style-type: none"> ● Gas vapor collection inside enclosures. ● Static electric sparks. ● Sparks from electric wiring or running engines. ● Sources of heat (such as a hot engine or exhaust).
<p>Inspect Fuel System/Check for Leaks</p>	<p>Inspect fuel system & check for leaks BEFORE starting dumper.</p> <p>▲WARNING: Fuel leak hazard</p> <p>A leaking fuel line no matter how small can be the source of a fire or explosion when starting or operating the engine.</p> <ul style="list-style-type: none"> ● Inspect the entire fuel system. Look for: Signs of leaks or deterioration, chafed or spongy fuel hose, loose connections, loose or missing fuel hose clamps, damaged gasoline tank, or defective gasoline shut-off valve. <p>If dumper is in an enclosed area and you smell gas, DO NOT start engine! DO NOT light a match. DO NOT flip on an electrical switch.</p> <p>Exit area immediately leaving doors open and call fire department.</p>
<p>Personal Protection</p>	<p>Use approved protective clothing and approved protective equipment when using the machine.</p> <ul style="list-style-type: none"> ● Always wear safety shoes and a full-face shield. ● The use of ear plugs or other hearing protection device is also recommended for persons working longer than a few minutes. Hearing can be damaged from prolonged, close- range exposure to the type of noise produced by this dumper. <p>Remarks: Ear noise and vibration values</p> <p>1) T25: 83.8dB, 6.49m/s²</p> <p>2) T25X: 82.8dB, 3.68m/s²</p> <ul style="list-style-type: none"> ● Wear long pants to protect legs from sparks and hot engine. ● Never wear jewelry or loose-fitting clothing when starting or operating the dumper or any mechanical device. Loose or dangling apparel, jewelry or hair can

	<p>become entangled in moving parts.</p> <p>●Neither the machine as a whole nor its internal components are intended for use in potential explosive atmospheres.</p>
Clear Area	Move away barrier that may interfere with your work.
Working During Daylight Hours	Only use the machine in daylight or illuminance above 500lux. Never operate the dumper after dark.

2. Operating



1) To Start

- Fill tank with unleaded gasoline.
- set machine on firm ground and check oil levels.
- To Start the engine, push the throttle lever(a) fully backward to engage the choke. Check if the emergency button is released.
- Move throttle lever(a) forwards slightly to disengage the choke and set the engine speed to fast. Allow the engine to warm up.

Note:

- For additional engine starting instructions see your gasoline engine manual.
- For cold engine, move choke lever to the CLOSED position. To restart a warm engine, leave choke lever in OPEN position.

- Turn engine switch to the ON position.

2) To Move Forward

- Select required speed with gear change lever(d) from position 1 to position 4.
- Gently engage clutch lever(b).
- Control engine speed with throttle lever(a).

3) To Reverse

- Move gear change lever(d) to position R(reverse).
- Gently engage clutch lever(b).

4) To Empty Skip

- Disengage the skip release lever(c) with right hand.
- Lift up the tipping bucket handle(e) with left hand to dump the load.

5) To Reset Skip

- Manually pull the skip back into the machine.
- The locking catch will automatically engage.

6) To Stop

- Release the clutch lever(b).
- Push the throttle lever(a) fully backward to power off the engine.
- **Emergency Stop:** press the Emergency Button(Red Button) to stop engine when emergency.

Note:

After engine power off, please release the emergency button(Turn it as the direction show on the button).

VII. MAINTENANCE

1. Regular Maintenance

List of tools needed:

Name	Model	Quantity	Remark
Open-jawed Spanner	11-13	2	
Open-jawed Spanner	12-14	1	
Open-jawed Spanner	17-19	1	

Maintenance of gasoline engine see gasoline engine manual.

Inspecting mini dumper routinely will ensure unnecessary trouble, reduce damnification and save working time. The following is periodic table for part needing inspection and maintenance after use.

Name	Daily	Weekly
Extension Spring	√	
Belt Tension	√	
Brake Adjustment	√	
Control Rope	√	
Air Filters	√	
Tyre Pressure		√
All Bolt&Nut		√
Chain		√
Clean	√	

During inspection and maintenance, please change the parts if meet condition like following:

Extension Spring	Spring relaxant
Belt	Worn badly, relaxant
Tyre	Stripe worn badly, deform
Control Rope	Partly rupture

Accelerator Switch	Malfunction, damage
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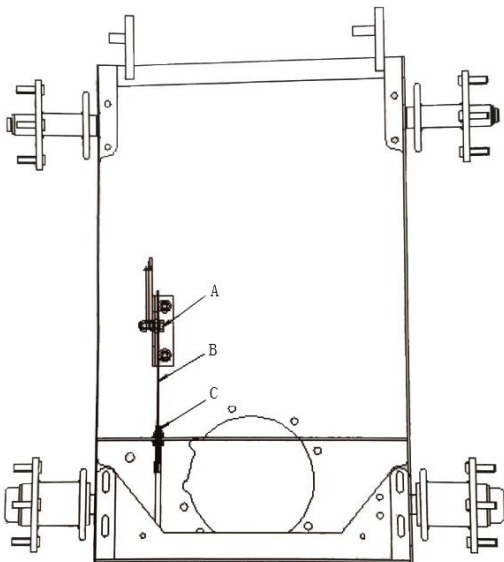
Note:

If a part needs replacement, only use parts that meet the manufacturer's specifications. Replacement parts that do not meet specifications may result in a safety hazard or poor operation of the dumper.

2. Partial Adjustment

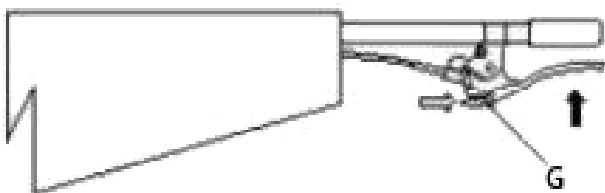
1) Adjusting control rope of the bucket

- Loosen bolt in A
- Up tighten control rope in B
- Tighten bolt in A
- Loosen nut counterclockwise 3-5mm in C, tighten nut in C.

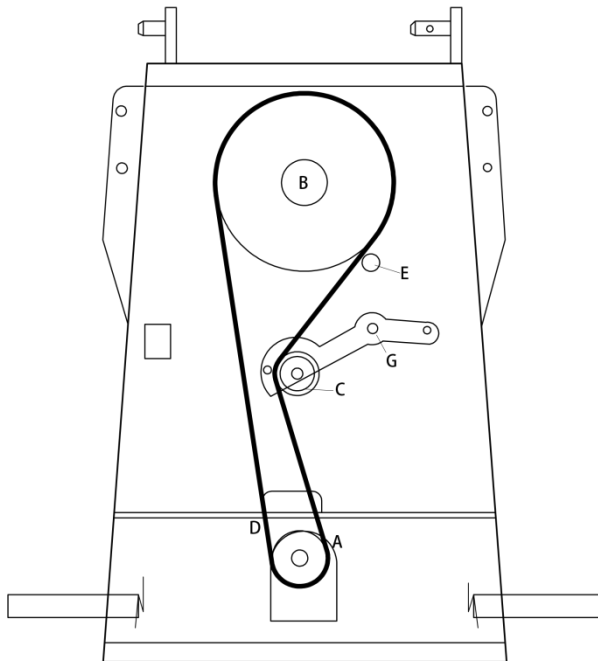


2) Adjusting relaxation or drop of belt

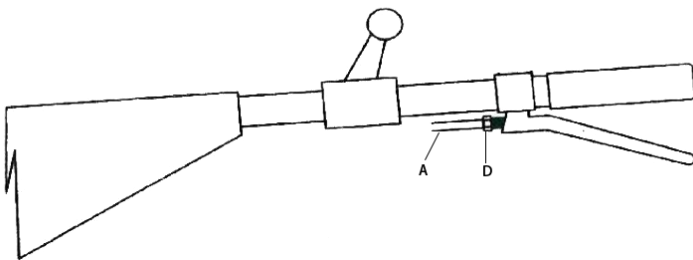
- Hang brake handle to inverted tooth (G)



- Loosen nut and retaining ring off belt (E).
- Belt enter pulley completely (B).
- Upward pull tension gear (C).
- Belt through middle baffle (D) and 5mm front from left & right. Upward tighten control rope (F), then tighten nut (F).
- Tighten retaining right of nut (E).



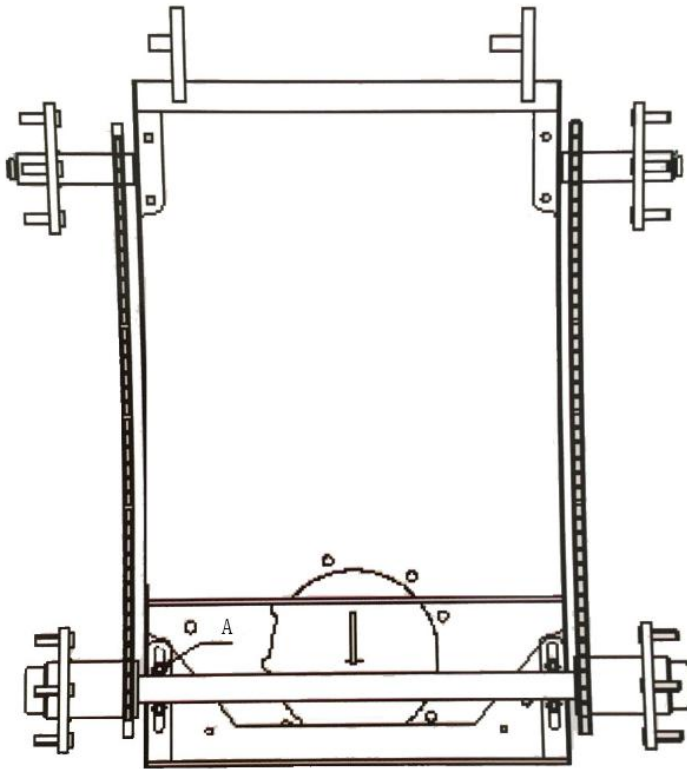
Belt outside adjustment: Loosen the nut B, rotate A counterclockwise to tighten control rope.



3) Adjusting chain

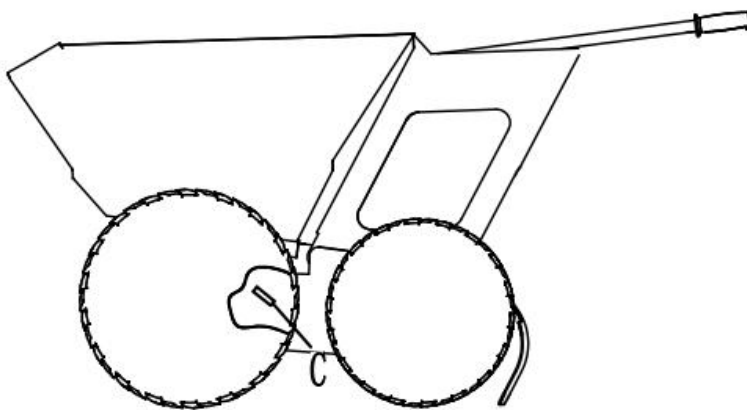
- Loosen nut (A)
- According to picture strain

- Tighten retaining ring of nut (A).

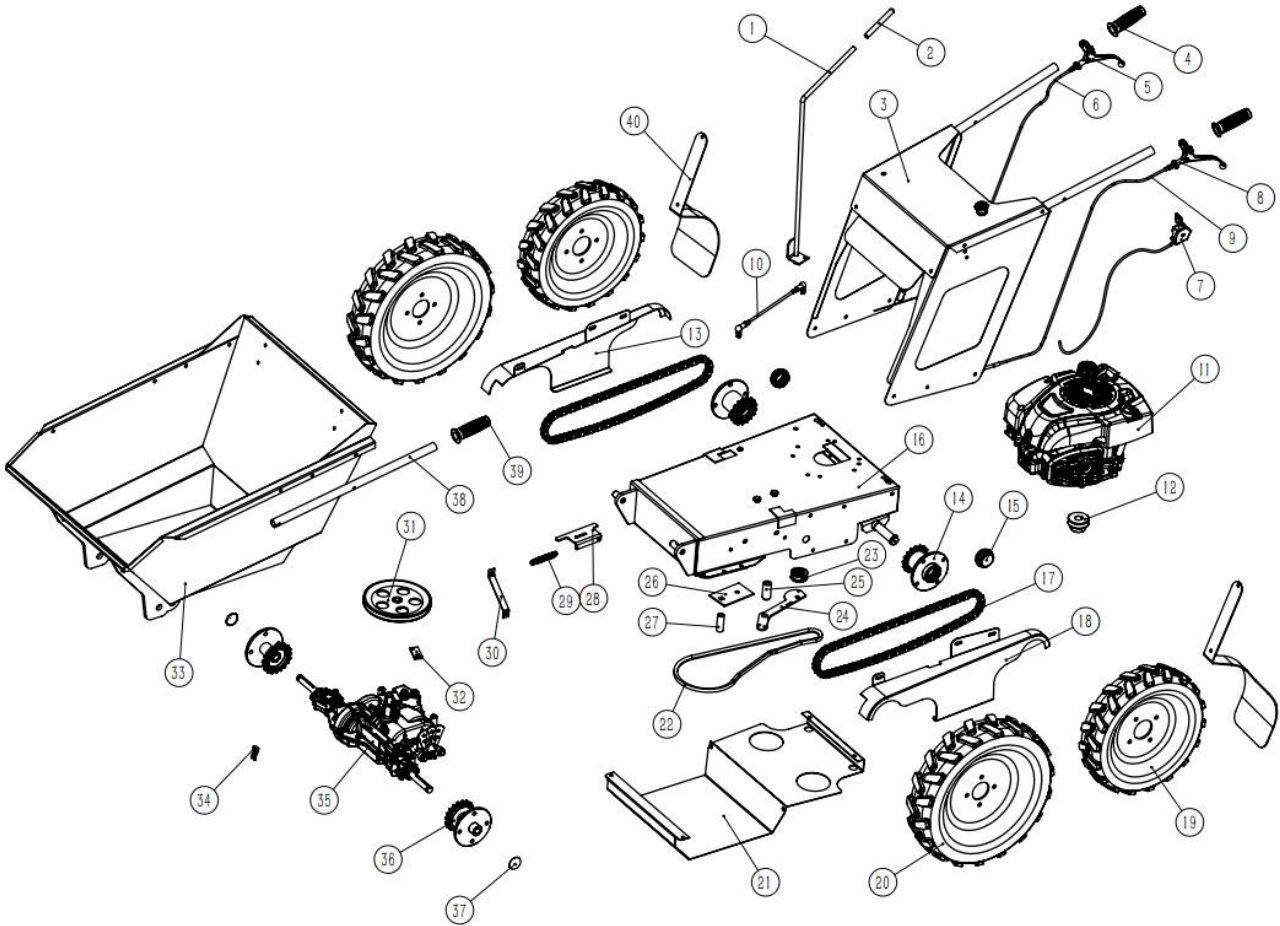


4) Adjusting stop brake

Rotate nut C counterclockwise to tighten brake(once each month)



VIII. Exploded View



Parts List

Item	Description	Quantity	Item	Description	Quantity
1	Forward/Reverse Lever	1	21	Bottom Plate	1
2	Grip(Forward/Reverse Lever)	1	22	Drive Belt	1
3	Handle Bar Cowling	1	23	Clutch Pulley(with Bearing)	1
4	Grip(Handle Bar)	2	24	Clutch Pulley Bracket	1
5	Skip Catch Lever	1	25	Bracket Casing Pipe	1
6	Skip Catch Cable	1	26	Clutch Reinforcement Plate	1
7	Throttle Lever C/W Cable	1	27	Belt Guide Tube	1

8	Clutch/Brake Lever	1	28	Skip Catch	1
9	Clutch/Brake Cable	1	29	Clutch/Skip Cable Spring	2
10	Forward/Reverse Tie Rod	1	30	Left/Right Torque Stays	2
11	Engine	1	31	Drive Pulley	1
12	Engine Pulley	1	32	Shift Pate	1
13	Right Chain Protection	1	33	Tipping Bucket	1
14	Rear Wheel Hub	2	34	Lynch Pin	1
15	Rear Hook Screw Cap	2	35	Transaxle	1
16	Main Plate	1	36	Front Wheel Hub	2
17	Chain	2	37	Front Hook Screw Cap	2
18	Left Chain Protection	1	38	Tipping Bucket Handle	1
19	Rear Wheel	2	39	Tipping Bucket Handle Cap	1
20	Front Wheel	2	40	Left/Right Foot Guard	2

IX. SUPPLEMENT:

1. Summary of Important Safety Information

This section provides a summary of the various safety procedures and measures that have been presented throughout the manual. Keep this summary handy and refer to it to refresh your memory about how to safely use your dumper.

WARNING

Carefully read and make sure you understand the following safety information before using the dumper. Improper use or maintenance of the dumper can result in serious injury or death from fire/explosion, carbon monoxide poisoning, lacerations, entanglement or burns. Damage can also occur to windows, siding, vehicles, and bystanders from wheels and debris which can become projectiles.

General

- **Read manual.** Read this Owner's Manual and the engine Owner's Manual completely before attempting to use and service the dumper. Serious injury or death can result if safety instructions are not followed.
- **Instruct operators.** The dumper owner or rental company must instruct all operators in safe dumper set-up and operation. Do not allow anyone to operate the dumper who has not read the Owner's Manual and been instructed on its safe use. Make sure Owner's manual is within the attached storage tube on the dumper.
- **Adults only.** Only trained adults should operate and service the dumper. Do not let children operate.
- **Under the influence.** Never operate, or let anyone else operate, the dumper while under the influence of alcohol, drugs, or medication.
- **Intended use.** Carefully read about and understand the intended use of this dumper. Do not use for other purposes, as unforeseen hazards or equipment damage may result.
- **Controls and safety labels.** Learn how to use the machine and its controls safely. Understand and follow all safety labels.
- **Weather.** Never use in foul, bad or questionable weather, which causes a slippery ground condition.

Prohibition Against Modifications

Never modify or alter the dumper in any way. Modifications can create serious safety hazards and will also void the warranty.

- **Fuel/exhaust system.** Never modify the exhaust system, fuel tanks, or fuel lines. Carbon monoxide poisoning, fire, or explosion could result.
- **Guards.** Do not operate dumper unless all guards and cover shields, which prevent access to moving parts and pinch points, are in place. Failure to guard the power transmission mechanisms may result in serious injury or death.

Safety - Before Use

Know how to operate

- **Review safety rules.** Before use of this dumper, review the "Rules for Safe Operation."
- **Know how to operate.** Be thoroughly familiar with all controls and with the proper use of the equipment. Know how to stop the dumper quickly if needed.

Getting Ready

- **Flying debris.** Clear area of objects such as stones, toys, steel wire, etc. that could become caught in moving machine parts and ejected as a projectile.
- **Operate OUTSIDE only – dangerous carbon monoxide exhaust!** Dumpers give off carbon monoxide exhaust, a poisonous gas that can kill. You CANNOT smell it, see it, or taste it. ONLY run dumper OUTDOORS and at least 20 feet (6m) from the home, away from windows, vents and air intakes, to allow proper ventilation. If you start to feel sick, dizzy, or weak while using the dumper, shut off the engine and get to fresh air RIGHT AWAY. NEVER run dumper engine inside homes, garages, sheds, or other semi-enclosed spaces. These spaces can trap poisonous gases.
- **Cooling ventilation.** The dumper needs adequate, unobstructed flow of air to allow for proper cooling of engine. Do not allow debris to accumulate and block airflow.
- **Transporting.** During transporting, take precautions to make sure dumper will not tip over and cause a fuel leak hazard.
- **Hot exhaust - fires.** Exhaust from engine can be extremely hot and cause fire. Position muffler at least 7 feet (2m) from combustible objects during operation.

Personal protective equipment

- **Foot protection.** The use of safety shoes or other foot protection device is recommended for those in close proximity to the dumper while it is operating.
- **Ear protection.** Wear approved earmuff protection when operating the dumper.
- **Face protection.** A helmet with protective glasses is recommended.
- **Loose / dangling.** Loose or dangling apparel, jewelry or hair can become entangled in moving parts. Never wear jewelry or loose-fitting clothing when operating the dumper.
- **Long pants.** Wear long, heavy-duty pants to protect legs from ejected materials.

Gasoline Safety

Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. Use extreme care when handling gasoline:

- **Fuel outdoors.** Fill fuel tank outdoors – never indoors. Gasoline vapors can ignite if they collect inside an enclosure. Explosion can result.
- **Use approved container.** Never pump fuel directly into engine at gas station. Static charge can build and ignite fuel. Use an UL approved fuel container to transfer gas to the engine.

- **Running / hot engine.** A running engine is hot enough to ignite fuel. Never add fuel or remove gas cap if engine is running or still hot. Stop the engine and allow to cool at least two minutes before adding fuel.
- **Heat / flames / sparks.** Keep sources of heat, flame, or sparks away while adding fuel.
- **Don't fill to the top.** DO NOT overfill the gas tank. Allow at least 1" (2.54cm) of empty space below the fill neck to allow for fuel expansion and operation on slopes.
- **Don't fill to the top.** Do not fill the gas tank to the top. Gasoline may spill when operating on a slope.
- **Replace cap.** Replace gas cap securely before starting engine.
- **Spills.** Clean up fuel spills immediately. Move grinder away from spilled fuel on the ground. Wipe fuel off engine and wait 5 minutes for excess fuel to evaporate before starting engine. Gas soaked rags should be disposed of properly.
- **On skin / clothes.** If gasoline is spilled on your skin or clothes, change clothes and wash skin immediately.
- **Inspect fuel system.** Check fuel system on a regular basis. Look for signs of leaks, deterioration, chafed or spongy fuel hose, loose or missing fuel hose clamps, damaged fuel tank, or a defective fuel shut-off valve. Do not start dumper until needed repairs have been completed.
- **Gasoline storage.** Store gasoline in a cool, dry place in an UL-approved, tightly sealed container away from children.

Safety - During Use

- **Safety equipment / controls.** Always operate the dumper with all safety covers, guards, and barriers in place and in good working order, and all controls properly adjusted for safe operation.
- **Controls.** Stay in the OPERATOR POSITION while actuating controls.
- **Know how to stop.** Know how to stop the dumper quickly if needed by releasing the operator presence bar. If this does not work, do the following in order until unit is stopped. 1. Push the stop button on the control panel. 2. Use on/off switch on engine (or ignition switch on electric start models). 3. Engage full choke by flooding the engine.
- **"Kickback".** Machine can experience significant "kickback" when operating on large slope
- **Slipping/Falling.** Operating in wet or icy conditions could lead to losing your footing and slipping or falling.
- **Damaged.** Do not operate the dumper with damaged, missing, incorrectly adjusted, or broken parts.
- **Check for gas leak before starting.** After opening gasoline valve, smell for gas before starting engine. If you smell gas, DO NOT start engine. DO NOT light a match. DO NOT flip on an electrical switch. Exit

area immediately and call fire department.

- **Carbon monoxide exhaust.** The running engine gives off carbon monoxide, a poisonous gas that can kill you. You CANNOT smell it, see it, or taste it. If you start to feel sick, dizzy, or weak while using the dumper, shut off the engine and get to fresh air RIGHT AWAY. See a doctor. You may have carbon monoxide poisoning.
- **Other exhaust dangers.** This product contains or emits chemicals to cause cancer, birth defects or other reproductive harm. Avoid inhalation of exhaust.
- **Smoking/sparks.** Never smoke near the running dumper, and never operate near sources of sparks or flames.
- **Hot muffler.** Never touch hot muffler or hot exhaust manifold. Exhaust and engine parts can be very hot and will burn you.
- **Machine's moving parts.** Keep hands, feet, and apparel away from drive belts, wheels and other moving parts. Never remove any drive belt or guard while the unit is operating. Contact with belt will cause personal injury.
- **Refueling.** DO NOT refuel the engine until it has cooled at least 30 minutes.
- **Malfunction during operation.** Always shut the machine off if any unusual noise or vibration occurs.
- **Vibration.** Overexposure to machine vibration on a daily basis may lead to circulatory or nerve damage.
- **Adjusting / repairing.** Always turn off dumper and remove spark plug or spark plug wire before working on the dumper to prevent accidental starting.
- **Cleaning the Jam:** If the machine is jammed, stop the engine before attempting to clear any jams in the unit. Stop all work, turn off dumper, and ensure the engine is turned off and cooled before performing any diagnostics or repairs.

Safety - After Use

- **Cool engine before storing.** Let engine cool for at least five minutes before storing. A hot engine can be a fire hazard.
- **Shut off fuel supply.** Make sure gasoline shut-off valve is in the OFF position.
- **Prevent accidental starting.** When dumper is not in use, shut off the stop button in order to ensure that dumper cannot be started in a storage location or by untrained persons.
- **Storage location.** Store the dumper in a dry location away from sources of heat, open flames, sparks or pilot lights – such as water heaters, space heaters, furnaces, clothes dryers, or other gas appliances –

EVEN IF the dumper's gas tank is empty. Residual gasoline could ignite.

- **Exercise regularly.** Exercise dumper every four weeks to dry out moisture that accumulates in the windings. If dumper cannot be exercised on a regular basis, prepare dumper for long term storage.

Safety - Inspection / Maintenance

Inspect and maintain your dumper on a regular basis and repair as needed to keep it in safe working condition:

- **Turn off dumper.** Always turn off dumper and remove spark plug or spark plug wire before working on the engine or dumper to prevent accidental starting.
- **Replace guards / shields.** Make sure all guards and shields are replaced after servicing the dumper.
- **Burns.** Do not touch hot muffler. Muffler will be hot even if unit is stopped. Allow unit to cool before servicing.
- **Replacement parts.** If a part needs replacement, only use parts that meet the manufacturer's specifications. Replacement parts that do not meet specifications may result in a safety hazard or poor operation of the dumper and will void the warranty.

2. Special Safety Information on Static Electricity

Static electricity and filling gasoline:

Static electricity can initiate from ungrounded gasoline tanks or containers, from flowing gasoline, and from persons carrying a static electric charge

Static electricity on numerous occasions has explosively ignited gasoline vapors that were present during fueling processes, resulting in serious burns to nearby persons. To avoid static electricity while fueling, certain steps must be followed before and during the fueling process in order to minimize and safely dissipate static charge build-up.

Filling Portable Containers at Service Stations:

Use a portable container to fill dumper tank. Never fill the dumper's gas tank directly from the service station's fuel dispenser pump – the dumper's tank is not grounded and the high velocity flow of gasoline from a fuel pump can cause static electric build-up. Use an approved portable container to transfer gasoline to the dumper's tank.

- Use a portable container made of metal or conductive plastic. It will dissipate charge to ground more

readily.

- Fill container on the ground. Never fill the portable gas container while it is sitting inside a vehicle, trailer, trunk, or pick-up truck bed. ALWAYS place container on the ground to be filled.
- Touch a grounded metal object before starting. Always dissipate static charge from your body before beginning the fueling process by touching a grounded metal object at a safe distance away from fuel sources.
- Keep nozzle in contact with container. Keep fuel dispenser nozzle in contact with the portable container at all times while filling at a service station. Do not use the nozzle lock-open device on the dispenser hose.

About static electricity and fueling

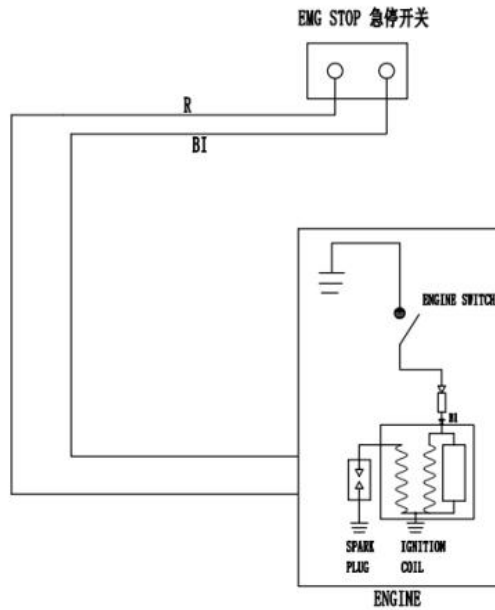
Many common objects can accumulate and retain a static electric charge. Objects made of non-conductive materials (e.g. plastics) easily accumulate and retain static electric charge, as can objects made of conductive material (e.g. metal, water) if they are not electrically grounded. The static electric charge on an object, such as a human body or plastic fuel tank/container, can reach as high as several thousand volts!

A static electric spark can be generated if the static electric charge stored on an object "jumps" to another, less charged object. Such a spark can ignite invisible gasoline vapors that are present during fueling situations.

Typical sources of static electric hazards during fueling

The following objects can accumulate a static electric charge and cause an ignition spark in typical fueling situations:

- Ungrounded tanks/containers. Any ungrounded fuel tank or container can accumulate a static electric charge as a result of contact with other objects or friction during transportation. This static electricity can discharge as a spark to the grounded gasoline dispenser nozzle, as the nozzle is first brought close to the tank/container at the beginning of the fueling process.
- Flowing gasoline. Most people are not aware that gasoline accumulates static electric charge while flowing through a hose or pipe. This charge then transfers to and accumulates in the gas tank or container that is being filled. The total amount of charge accumulation depends on the amount of gas pumped into the container, the speed with which it is pumped, and whether or not the tank/container is grounded. If sufficient static electric charge accumulates in the fuel tank or container during the fueling process, the tank/container may discharge a spark to the grounded gasoline dispenser nozzle.
- Persons. A person dispensing the gasoline can carry a static electric charge on their body, typically resulting from contact with their car seat or electronics. The static electricity can discharge as a spark between that person's hand and either the grounded dispenser nozzle or the fuel tank opening.



W	White	Br	Brown
G	Green	Lg	Light Green
R	Red	Y	Yellow
Bu	Blue	Bl	Black

COMBINATION SWITCH

	IG	E	FS	G
OFF	○	○	○	○
ON				

3. Limited Warranty Policy

Dear Valued Customer:

The mini dumper you just purchased is built with the finest material and craftsmanship. Use this product properly and enjoy the benefits from its high performance. By purchasing our product, you show a desire for quality and durability. Like all mechanical equipment this unit requires a due amount of care. Treat this unit like the high quality piece of machinery it is. Neglect and improper handling may impair its performance.

Thoroughly read the instructions and understand the operation before using your product. Always contact our Product Support prior to having any service or warranty work performed, as some services performed by parties other than our approved service centers may void this warranty. This limited warranty is in lieu of any other warranty expressed or implied, written or oral and we assume no other responsibility or liability outside that expressed within this limited warranty.

	Consumer Warranty Period	Commercial Warranty Period
Weldments		
	2 years from date of purchase by user	2 years from date of purchase by user
Wear Parts		
	In addition to the normal warranty, we shall warrant some normal wear items from defects in material or workmanship for a period of 30 days from the date of purchase by user. Normal wear items covered under this warranty are limited to: tires, belts, grease zerks, bearings, bolts, clutches, switches, wires, cables. Routine maintenance items such as lubricants, clutch adjustments, tune ups are not covered under warranty.	
Engine		
	The engine warranty is covered under the terms and conditions as outlined by the engine manufactures warranty contained herein and is the sole responsibility of the engine manufacturer. Normal engine maintenance such as spark plugs, oil changes, air filters, adjustments, fuel system cleaning and obstruction due to build up is not covered by our limited warranty.	

“**Consumer use**” means personal residential household use by a consumer. “**Commercial use**” means all other uses, including, but not limited to, use for commercial, income producing or rental purposes or when purchased by a business.

This limited warranty applies to the original purchaser of the equipment (verification of purchase, in the form of a receipt, is the responsibility of the buyer), is non-transferable, and covers parts and labor. Parts will be replaced or repaired at no charge, except when the equipment has failed due to lack of proper maintenance. If a part is no longer available, the part may be replaced with a similar part of equal function. Any misuse, abuse, alteration or improper installation or operations will void warranty. Determining whether a part is to be replaced or repaired is the sole decision of ours. We will not provide for replacement of complete products due to defective parts. Any costs incurred due to replacement or repair of items outside of a ours approved facility is the responsibility of the buyer and not covered under warranty. Transportation costs to and from service center and/or service calls are the responsibility of the customer.

This limited warranty specifically excludes the following; failure of parts due to damage caused by accident, fire, flood, windstorm, acts of God, applications not approved by our in writing, corrosion caused by chemicals, use of replacement parts which do not conform to manufacturer’s specifications,

damage related to rodent and/or insect infestation and damage caused by vandalism. Additional exclusions: loss of running time, inconvenience, loss of income, or loss of use, including any implied warranty of merchantability of fitness for a specific use.

Also, outdoor power equipment needs periodic parts and service to perform well, and this limited warranty does not cover instances when normal use has exhausted the life of a component or the engine.

This limited warranty does not cover any personal injury or damage to surrounding property caused by failure of any part, misuse or inability to use the product. Alteration of the product, including safety features, shall void this limited warranty.

Repair or replacement of parts does not extend the warranty period. This limited warranty gives you specific legal rights. You may also have other rights that vary by state.

Please have model number, item number and serial number on hand prior to making a warranty claim or inquiry.