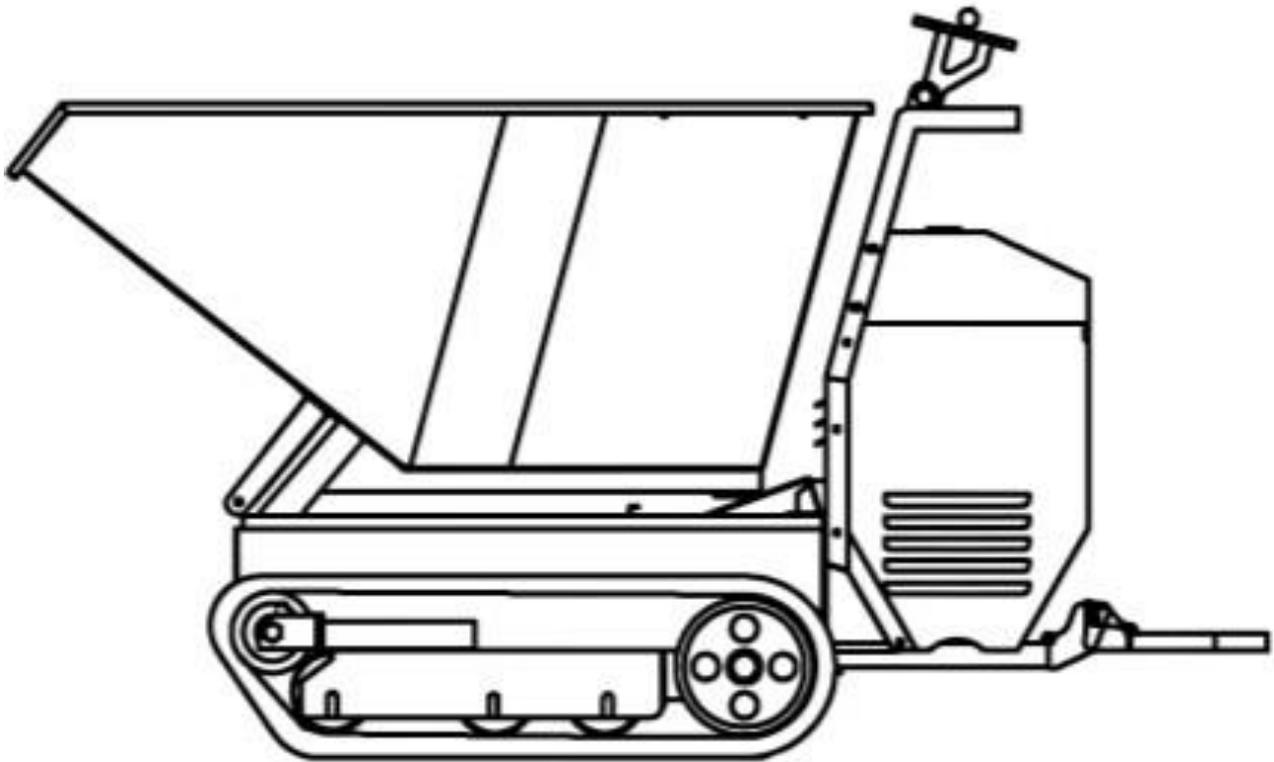


# Operator's Safety and Service

## Concrete Buggy



**CB16P / CB16S**



1007019

It is the OWNER'S RESPONSABILITY to communicate information on the  
SAFE USE and OPERATION of this machine to the operators.

## TABLE OF CONTENTS

1.Serial Number Location.....	3
2.Parts Ordering Procedure .....	3
3.Operating Instructions .....	4
4.Safety Precaution .....	4
5.Safety Notice & Decals .....	5
6.Before Operating.....	7
7.Operation Instruction.....	8
8.Maintenance Schedule.....	11
9.Maintenances Directions .....	12
10.Equipment General Specs .....	15
11.Torque Chart .....	16
12.Warranty .....	17
13.Warehouse Locations.....	18
14.Additional Notes .....	20
15.Parts List Breakdown.....	Attachment

# 1. SERIAL NUMBER LOCATION

The model/serial number decal is located on the shroud assembly (cowl).

**(Write model number)**

**(Write serial number)**

The unit year of manufacturing can be determined by its serial number. So, keep this information handy at all times, use your unit serial number when ordering parts.

This Unit warranty is stated in this Operational and Safety manual on page 16. Failure to return warranty registration card renders the warranty null and void.

An engine owner’s manual is also attached to every unit. Engine parts must be order from any authorized HONDA dealer, or other if different than HONDA. Refer to the engine owner’s manual lo learn about specifications and part identification.

# 2. PARTS ORDERING PROCEDURE:

Parts must be ordered through your local distributor or online using our partner internet parts dealers online. If you can’t locate a local distributor in your area visit us online at [www.tkequip.com](http://www.tkequip.com) for information so we can locate the nearest dealer and contact numbers for assistance.



All Dealers are welcome to send us an email to:

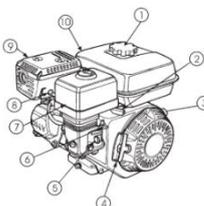
[sevice@btmequipment.com](mailto:sevice@btmequipment.com) or [parts@btmequipment.com](mailto:parts@btmequipment.com)



All Dealers are welcome to order parts via fax by dialing **(956) 462-2500**



All Dealers are welcome to order parts by dialing our Number **(956) 796-9411**



All HONDA warranties and parts ordering must be through your Honda dealers. Please visit <https://engines.honda.com/dealer-locator> for more information.

**REMEMBER – You own the best. If repairs are needed use only OEM purchased parts from authorized distributors.**

### **ALWAYS HAVE READY:**

1. Dealer Account number
2. Dealer Name and Address
3. Shipping address and method of shipping if different than billing address.
4. Applicable model and serial number of machine(s).
5. Item part number(s), description, and quantity.

## **3. OPERATING INSTRUCTIONS**

This Operation manual contains only standard parts. Variations of these parts as well as other special accessories are not included. Contact your local distributor for assistance in identifying parts not included in this manual.



## **4. SAFETY PRECAUTIONS**



**READ AND STUDY THE FOLLOWING SAFETY INFORMATION BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT. IN ADDITION, ENSURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THIS EQUIPMENT IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.**

### **WARNING - LETHAL EXHAUST GAS!**

An internal combustion engine discharges carbon monoxide, which is a poisonous and odorless invisible gas. Death or serious illness may result if inhaled. Operate only in an area with good ventilation.

### **NEVER IN A CONFINED AREA!**

### **WARNING - DANGEROUS FUELS!**

Use extreme caution when storing, handling and using fuels - they are highly volatile and explosive in the vapor state. Do not add fuel while engine is running. Stop and cool the engine before adding fuel.

### **DO NOT SMOKE WHEN REFUELING!**

### **SAFETY GUARDS**

It is the owner's responsibility to ensure **ALL GUARDS AND SHIELDS** are in place and in working order.

### **IGNITION SYSTEMS**

Breakerless magneto and batteries ignition systems **CAN CAUSE SEVERE ELECTRICAL SHOCKS**, avoid contact with these components or their wiring.

### **SAFE DRESS**

**DO NOT WEAR** loose clothing, rings, wristwatches, etc., near machinery.



**NOISE PROTECTION**

Wear O.S.H.A. specified hearing protection devices.

**FOOT PROTECTION**

Wear O.S.H.A. specified steel tip safety shoes.

**HEAD PROTECTION**

Wear O.S.H.A. specified safety helmets.

**EYE PROTECTION**

Wear O.S.H.A. specified eyes shields, safety glasses, and sweat bands.

**DUST PROTECTION**

Wear O.S.H.A. specified dust mask or respirator.



**OPERATOR**

Keep children and bystanders off and away from the equipment.

For details on safety rules and regulations in the United States, contact your local Occupational Safety and Health Administration (O.S.H.A.) office. Equipment operated in other countries must be operated and serviced in accordance and compliance with any and all safety requirements of such country. The publication of these safety precautions is done for your information does not by the publication of these precautions, imply or in any way represent that these are the sum of all dangers present near equipment. If you are operating this unit it is your responsibility to ensure that such operation is in full accordance with all applicable safety requirements and codes. All requirements of the United States Federal Occupational Safety and Health Administration Act must be met when operated in areas that are under the jurisdiction of that United States Department.

## 5. SAFETY NOTICE & DECALS



### IMPORTANT NOTICE



The "SAFETY ALERT SYMBOL" is used to call attention to items or operations that may be dangerous to those operating or working with this equipment. These symbols can be found throughout the manual and on the unit itself. Please read these warnings and cautions carefully.

# WARNING

**TO AVOID BEING THROWN FROM MACHINE:**

- DO NOT START / STOP MACHINE OR MAKE MOVEMENTS QUICKLY
- DO NOT DUMP LOADS QUICKLY
- ENSURE PLATFORM IS CLEAN AND DRY

**RAISE SHOVEL AND CHECK SURROUNDINGS BEFORE DUMPING**  
 SHOVEL ARM CAN CAUSE SERIOUS INJURY

DO NOT EXCEED 10° DO NOT EXCEED 20°

READ MANUAL, PAY ATTENTION TO WARNING STICKERS AND USE EXTREME CAUTION WHEN OPERATING THE MACHINE  
 FAILING TO COMPLY WITH ANY OF THESE ITEMS CAN CAUSE SERIOUS INJURY OR DEATH

**VISIBILITY HAZARD:**  
 KEEP SHOVEL LOW WHEN TRAVELING AND LOOK BEHIND BEFORE BACKING UP

**TIPPING HAZARD:**  
 CARRY HEAVY LOADS WITH SHOVEL IN LOWEST POSITION AND BACK DOWN INCLINES WHEN CARRYING HEAVY LOAD IN SHOVEL

**TURN SLOWLY**

**OPERATOR ONLY**

**Figure A and A-1:**

Do not start or stop the machine quickly or dump loads too quickly. ensure the platform is clean and dry or the user may be thrown from the machine.

No persons allowed in bucket or shovel, if equipped (operator only)

Do not operate the machine on vertical slopes higher than 20 degrees or horizontal slopes higher than 10 degrees

Visibility hazard: keep shovel low when traveling and look before backing up

Tipping hazard: carry heavy loads with shovel (if equipped) in lowest positions and back down inclines

**KEEP TREAD TIGHTENED**



**CAUTION HOT**



# WARNING

**TO AVOID BEING THROWN FROM MACHINE:**

- DO NOT START / STOP MACHINE OR MAKE MOVEMENTS QUICKLY
- DO NOT DUMP LOADS QUICKLY
- ENSURE PLATFORM IS CLEAN AND DRY

**CHECK SURROUNDINGS BEFORE DUMPING**  
 CARELESS DUMPING CAN CAUSE SERIOUS INJURY OR DAMAGE MACHINE

DO NOT EXCEED 10° DO NOT EXCEED 20°

READ MANUAL, PAY ATTENTION TO WARNING STICKERS AND USE EXTREME CAUTION WHEN OPERATING THE MACHINE  
 FAILING TO COMPLY WITH ANY OF THESE ITEMS CAN CAUSE SERIOUS INJURY OR DEATH

**VISIBILITY HAZARD:**  
 ALWAYS CHECK SURROUNDINGS BEFORE MOVING THE MACHINE IN ANY DIRECTION

**TURN SLOWLY**

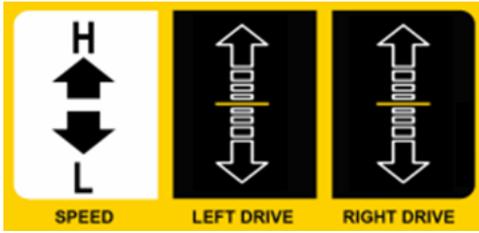
**OPERATOR ONLY**

# WARNING

**CHECK BEFORE OPERATING HIGH DUMP:**

- ✓ LEVEL GROUND
- ✓ LOAD IS STABLE IN BUCKET
- ✓ LOAD DOES NOT EXCEED 300 LBS

**TIPPING HAZARD**



**Hydraulic  
Fluid Only**

**GAS  
ONLY**

**GREASE EACH  
LUBRICATION  
POINT AFTER  
EVERY 10 HOURS  
OF USE**



**ATTENTION**

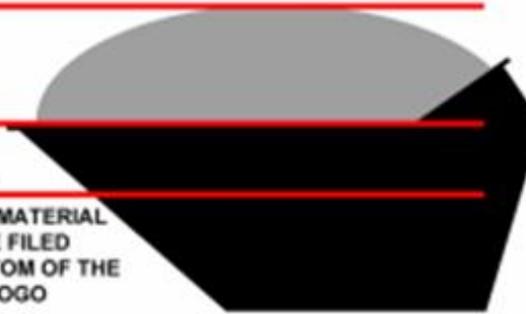
**FOR OPTIMAL PERFORMANCE DO NOT EXCEED  
FILL LEVELS AND/OR THE 2500lb HAULING CAPACITY**

HEAP LOOSE  
LIGHTWEIGHT  
DRY MATERIAL

STRIKE DENSE  
DRY MATERIAL

HEAVY OR WET MATERIAL  
SHOULD NOT BE FILED  
ABOVE THE BOTOM OF THE  
BUCKETS LHD LOGO

FAILURE TO FOLLOW THESE FILL LEVEL GUIDELINES WILL CAUSE  
THE MACHINE TO FUNCTION BELOW OPTIMAL LEVELS.  
OVERFILLING THE BUCKET WILL ALSO CAUSE THE MACHINE TO  
DUMP SLOWLY OR NOT AT ALL. ALWAYS DUMP THE MACHINE ON  
A FLAT SURFACE TO AVOID TIPPING.



**SHUTDOWN**







1. CENTER  
AND LOWER  
BUCKET TO  
STARTING  
POSITION

2. PARK ON  
LEVEL  
SURFACE

3. IDLE  
ENGINE

4. TURN KEY TO  
UPRIGHT POSITION  
TO STOP ENGINE

**WARNING**


 30 FT.



DO NOT OPERATE  
THE MACHINE  
WITHIN 30 FT.  
OF BYSTANDERS

ALWAYS CHECK  
SURROUNDINGS  
BEFORE MOVING  
THE MACHINE IN  
ANY DIRECTION

**INJURY OR DEATH MAY OCUR IF THE MACHINE IS OPERATED TOO  
CLOSE TO BYSTANDERS. FAIRLURE TO CHECK SURROUNDINGS  
MAY CAUSE DAMAGE TO THE MACHINE OR THE SURROUNDINGS.**

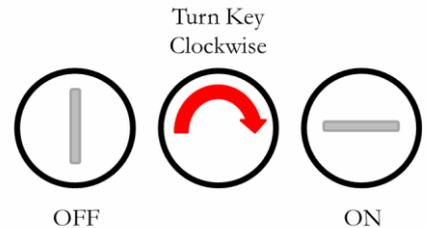
## 6. BEFORE OPERATING

- **REMEMBER!** It is the owner's responsibility to communicate information on the safe use and proper operation of this unit to the operators.
- Before operating, review SAFETY PRECAUTIONS listed on this manual.
- Familiarize yourself with the operation of the unit and confirm that all controls function properly BEFORE starting engine.
- Locate the killing switch and assure you know how to STOP the unit.
- Make sure hands, feet, and clothing are at a safe distance from any moveable parts prior to starting.
- Shrouds and grids are provided to protect the operator or structures in close proximity to rotating hot engine parts. It is the **RESPONSABILITY OF THE OPERATOR** to see that they are properly in place.
- OIL LEVEL - Check the oil level in the engine. For more information see "Lubrication" under the engine "Owner's Manual" the "Maintenance" section of this manual.
- AIR CLEANER - Check to ensure elements are in good condition and properly installed.
- Review every decal with the OPERATOR.
- FUEL SUPPLY –Engines require an automotive grade of clean, fresh, unleaded or regular gasoline.

- FUEL FILTER - Check to ensure element is in good condition... Replace if it is clogged or damaged.
- LUBRICATION POINTS - Make sure all pillow blocks and drum's trunnions have been properly greased.

## 7. OPERATION INSTRUCTIONS

- **For Cold Start:** choke machine and turn key clockwise. Hold until start and then unchoke. Let run to warm up. If machine does not start while choked, unchoke and turn and hold key again until start.
- **For Warm Start:** simply turn key and hold until start. Choke as needed.
- To turn machine off, turn key back to OFF position.
- If equipped, pull cord on engine may also be used to start machine using the same steps as above.



Before their sale, all machines have been tested and inspected. However, during the first 10 hours of use it is recommended that you pay close attention to a few items to ensure successful, efficient and safe operation. If the machine is run improperly or if these directions are not followed the machines lifespan will shorten and working efficiency will be reduced.

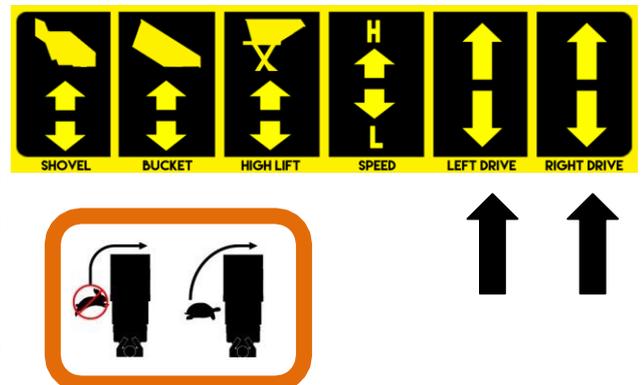
It is the responsibility of the owner to follow these directions during the first 10 hours of use:

- Let the machine warm up at least 5 minutes after start up.
- Avoid using full speed to drive the dumper.
- Never start or accelerate the dumper hastily; avoid unnecessary emergency stops or turning abruptly.
- Clean engine oil filter. (See manual of engine for instructions)
- Check all hydraulic connections (even on engine) and tighten when needed.

### 1. Traveling

After the engine starts, you should operate the handles as shown in the figure to the right to drive the machine slowly. Push the handles forward simultaneously to move forward and pull backward simultaneously to move back. The more pressure put on the handle, the higher the speed.

**To turn:** While stopped, slowly push the right handle forwards and pull the left handle backwards to turn to the left; push the left-hand forwards and pull the right handle backwards to turn to the right. To turn while driving, push individual handles to accelerate one track only.

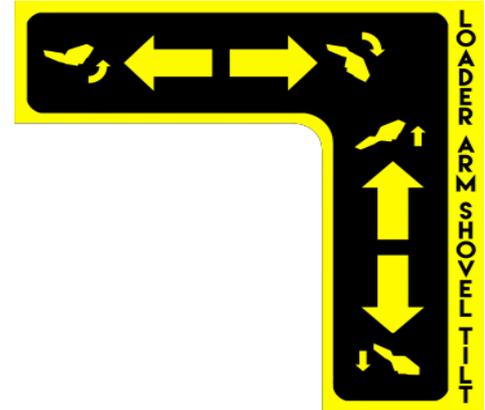


Caution: Never run the machine too quickly when moving or turning. This causes a risk of throwing the user off the machine and causing injury or death. Never steer on a slope or on unstable ground. This could cause the machine to overturn. Take precautions when traveling across a slope. Always move in directions parallel with the slope. Never operate the shovel on a declining slope. This could possibly cause the tracker dumper to tip over and cause personal injury.



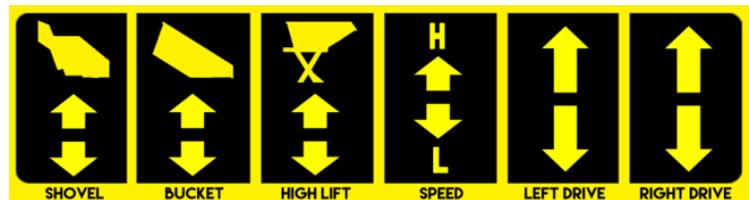
**2. Loading Using Shovel (If Equipped)**

After the engine starts, operate the joystick (if equipped) as shown in the figure to the right or the handle as shown below. Push the joystick forwards to make the shovel arm go up. Pull the joystick backwards and the shovel arm will go down. Push the joystick to the right and the shovel will curl down and push the joystick to the left and the shovel will curl up. All actions can also be completed simultaneously for complex movements.



Pushing the handle as seen below forward will raise the shovel to load bucket and pulling it backwards will lower the shovel.

**To load:** Pull joystick or lever backwards to make the sharp edge of the shovel contact the ground. Drive the machine forwards slowly. After filling the shovel, lift the shovel fully to pour the materials into the bucket. Repeat this step until the material bucket is full. Feather the load into the bucket to help even the load but always even the load by hand before moving the machine.



**Caution:** Always check position of shovel before moving the machine or dumping the bucket. The shovel can become wedged in the ground and prevent the machine from moving or cause it to become unstable.

**3. Unloading Bucket**

Operate the handle as shown in the figure to the right. Push the handle forwards slowly to dump the bucket. Pull the handle backwards slowly and it will return the material bucket to its original position.

**To unload:** After the material bucket is filled, drive to the discharging area. Dump the bucket SLOWLY. Driving backwards after dumping may help empty the bucket.



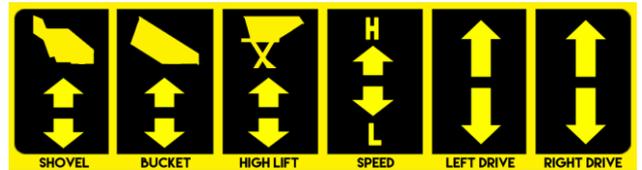
**Caution:** If the load is sticky (such as wet soil) the user may need to help remove the load from the bucket. Turn off the machine and check its surroundings before you help unload.



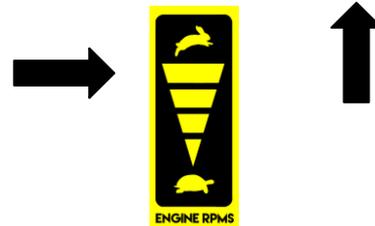
**Caution:** Ensure that the shovel, if equipped, is in its full up position before dumping. If the shovel is down while dumping the shovel will contact the ground making the machine unstable and unable to dump. Never dump the machine on a declining slope. Look for barriers when dumping and never run the machine too quickly when moving or turning.

**4. Acceleration and Deceleration of Engine**

To change the high and low engine speed, operate the handle as shown in the figure to the right. Push the handle forwards to accelerate the rotary speed of engine and pull the handle backwards to decrease the rotary speed of engine.

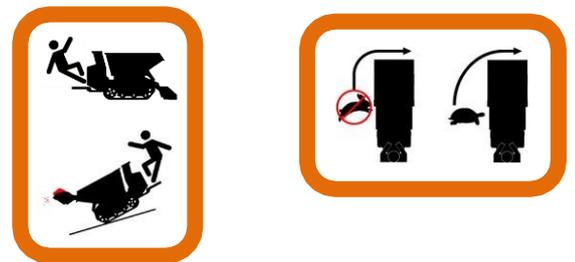


**Throttle Control:** (If equipped) Operate the throttle control lever as shown in the second figure to the right. Pull the handle backwards to throttle down (turtle) and push the handle forwards to



throttle up (rabbit). Throttle can also be controlled on the engine itself.

**Caution:** Always operate the machine at the appropriate speed. Operating the machine at too high of a speed can lead the user to being thrown off the machine or the machine tipping over. Use extreme caution when using the machine at high speeds.



**5. Transporting the Dumper**

**Loading and unloading the dumper from vehicle or trailer:**

- Always load and unload the machine on a level surface.
- Always use ramps that are sufficiently strong, wide and long for the machine.
- Ensure that the hauling surface and ramps are clean and not slippery. (Never steer on ramps)



**6. Transporting:**

- Secure the machine to the vehicle or trailer tightly using fastening devices
- Ensure that the machine will not roll or shift on its own.

**Caution:** Never transport the machine unless you are sure that it is secured sufficiently to the transport vehicle. Before leaving the machine unattended, always turn it off. Check that all locking devices are in the correct position.

**7. Use of Tracks:**

- Adjust the tread tension weekly to ensure sufficient tightening
- Insufficient tension quickly wears out the treads
- Excessive tension produces resistance which can cause excessive wear or possible breakage

To prevent damage to rubber tracks avoid working on extremely rough terrain.

**8. Tensioning Tracks:**

1. Loosen nut on tensioning bolt
2. Tighten bolt
3. Tighten nut

**Caution:** Hard or sharp objects may scrape the tread and reduce service life. Corrosive fluid may also damage the tread. If spilled onto the tread or run over on the ground clean the tread immediately.

**Caution:** If the machine is not to be used for an extended time (3 months or more) store dumper in location where the tracks are not in direct sunlight or weather.

**8. MAINTENANCE SCHEDULE**

	<i>Maintenance</i>	<i>Each use</i>	<i>Every 20 hours</i>	<i>Every 50 hours</i>	<i>Every 100 hours</i>	<i>Yearly</i>
Engine	Refer to engine operator/owner manual	X				X
Engine Oil & Filter	Replace engine oil filter and fuel filter				X	X
Air Filter and Air-Inlet System	Check for damaged components or if the components are blocked / Replace when necessary (see Engine Manual)		X			X
Hardware	Check if there are loose fasteners; Check the tension; The tread can be tightened by adjusting the tensioning bolt	X				X
Grease points	Keep All Grease Points Lubricated	X				
Hydraulic System	Check hydraulic oil level; Inject oil when necessary. Check if there is a leakage or damage; Repair or replace the sealing components and hoses when necessary		X			
Spark Plugs	Check and clean spark plugs				X	
Spark Plugs	Replace spark plugs and set gap					X
Crankshaft Spline	Have spine lubricated by an authorized engine dealer					X
Hydraulic Oil Tank	Replace the hydraulic oil and filter					X
Battery	Check Battery Life					X

1. Always keep the machine clean. Remove any dirt or grease and never leave anything flammable in the working area of the machine. No smoking is allowed when filling oil or fuel.
2. If there is any abnormal sound when the machine is in use, it should be stopped immediately for inspection or maintenance. Always shut down machine before maintenance.

## 9. MAINTENANCE DIRECTIONS

### 1. Engine Oil

Refer to Engine Manual for required frequencies of oil changes, oil types, and viscosity.

### 2. Changing/ Draining oil

1. Start the engine and let it run for 5 minutes. This warms the oil so it drains better.
2. Park the machine so the drain side is slightly lower than the opposite side to assure that the oil drains completely. Then lower the loader arms, chock the wheels and turn the key to "OFF" to stop the engine. Remove the key.
3. Place the end of the hose in a pan. Remove bung by turning counter clockwise while holding the nut. Allow to drain. When oil has drained completely, replace the bung.  
**Note:** Dispose of used oil in accordance with local authority regulations.
4. Slowly pour approximately 80% of the specified amount of oil (refer engine manual) into the filter tube. Now check the oil level. Slowly add oil to bring to "FULL" mark on dipstick.

### 3. Changing Oil Filter - Refer to engine manual.

### 4. Changing Spark Plug(s) - Refer to engine manual.

### 5. Replacing Fuel Filter

Replace the fuel filter after every 100 operating hours or yearly, whichever occurs first.

1. Never re-install a dirty filter.
2. Lower the loader arms and turn the key to "OFF" to stop the engine. Remove the key.
3. Clamp fuel line between fuel tank and fuel filter to block fuel flow.
4. Squeeze the ends of the hose clamps together and slide them away from the filter.
5. Put a drain pan under the fuel lines to catch leaks, then remove the filter from the fuel lines.
6. Install a new filter and move the hose clamps close to the filter.
7. Remove clamp blocking fuel flow.

### 6. Draining the Fuel Tank

Fuel is extremely flammable and highly explosive. To avoid a fire or explosion drain fuel from the fuel tank when the engine is cold and complete the task outdoors.

Never drain fuel near an open flame or where a spark may ignite fuel fumes.

Never smoke while handling fuel.

1. Park the machine on a level surface, to assure fuel tank drains completely. Then lower the loader arms and turn the ignition key to "OFF" to stop the engine. Remove the key.
2. Loosen the hose clamp at the fuel filter and slide it up the fuel line away from the fuel filter.
3. Pull the fuel line off the fuel filter, open the fuel valve, and allow gasoline to drain into a gas can or drain pan.

4. Remove tank from the machine by undoing nut at clamp at top of tank. Remove tank, drain completely and flush by tipping tank upside down.
5. Reverse procedure to replace clean tank.  
**Note:** Now is the best time to install a new fuel filter because the fuel tank is empty.
6. Install the fuel line onto the fuel filter. Slide the hose clamp close to the fuel filter to secure the fuel line.

## 7. Hydraulic System

Replacing the Hydraulic filter

Change the hydraulic filter after every 500 operating hours.

1. Position the machine on a level surface, lower the loader arms and turn the key to "OFF" to stop the engine. Remove the key.  
**IMPORTANT:** Do not substitute automotive oil filter or severe damage may result.
2. Remove the old filter and wipe the filter adapter gasket surface clean.
3. Apply a thin coat of hydraulic fluid to the rubber gasket on the replacement filter.
4. Install replacement hydraulic filter adapter. Tighten clockwise until the rubber gasket contacts the filter adapter, then tighten the filter an additional ½ turn.
5. Clean up any spilt fluid.
6. Start engine and let run for about two minutes to purge air from the system. Stop the engine and check for leaks.
7. Check fluid level in hydraulic tank and add oil to raise level to mark on dipstick. **DO NOT OVER FILL.**  
**Note:** The correct level is 3 inches below the top of the tank.

## 8. Changing the Hydraulic Fluid

Change the hydraulic fluid: After every 500 operating hours

1. Position the machine on a level surface, lower the loader arms and turn the key to "OFF" to stop the engine. Remove the key.  
**IMPORTANT:** Do not substitute automotive oil filter or severe damage may result.
2. Place large drain pan under the machine that can hold at least 18.5 gallons.
3. Remove the drain plug from the bottom of the hydraulic tank and allow the fluid to completely drain out.
4. Remove the tank top and wipe out the inside of the tank.

**Note** If any foreign matter is found, contact LHD, your service center or a hydraulic expert.

5. Install the drain plug.
6. Fill the hydraulic tank with approximately 57litres of H68 Hydraulic oil.

**Note:** Dispose of used oil in accordance with local authority regulations.

## 9. Check Hydraulic Lines

Check hydraulic lines after every 100 operating hours, check hydraulic lines and hoses for leaks, loose fittings, kinked lines, loose mounting supports, wear, weather and chemical deterioration. Replace all moving hydraulic hoses every 1500 hours or two years, whichever comes first. Make necessary repairs before operating.

Hydraulic pressure escaping under pressure can penetrate the skin and cause injury. Keep hands and body away from pin hole leaks or nozzles that eject high pressure hydraulic fluid. A small leak can be dangerous. To find hydraulic leaks, use cardboard or paper. If fluid is accidentally injected into the skin contact a doctor immediately

## 10. Battery

Always keep the battery clean and fully charged. Use a paper towel to clean the battery case. If the battery terminals are corroded, clean them with a solution of four parts water and one-part baking soda. Apply a light coating of grease to the battery terminals to reduce corrosion.

Voltage: 12 v

If battery dies or machine is not used for a long period, charge the battery using an external battery charger. Do not rely on the engines charging system to recharge a battery. It is only meant to maintain charge in a good battery.

## 11. Cleaning and Long-Term Storage

1. Lower the loader arms and turn the key to "OFF" to stop the engine. Remove the key.
2. Remove dirt and grime from the external parts of the entire machine, especially the engine.

**IMPORTANT:** You can wash the machine with mild detergent and water. Avoid excess use of water, especially near the control panel, engine, hydraulic pumps and motors.

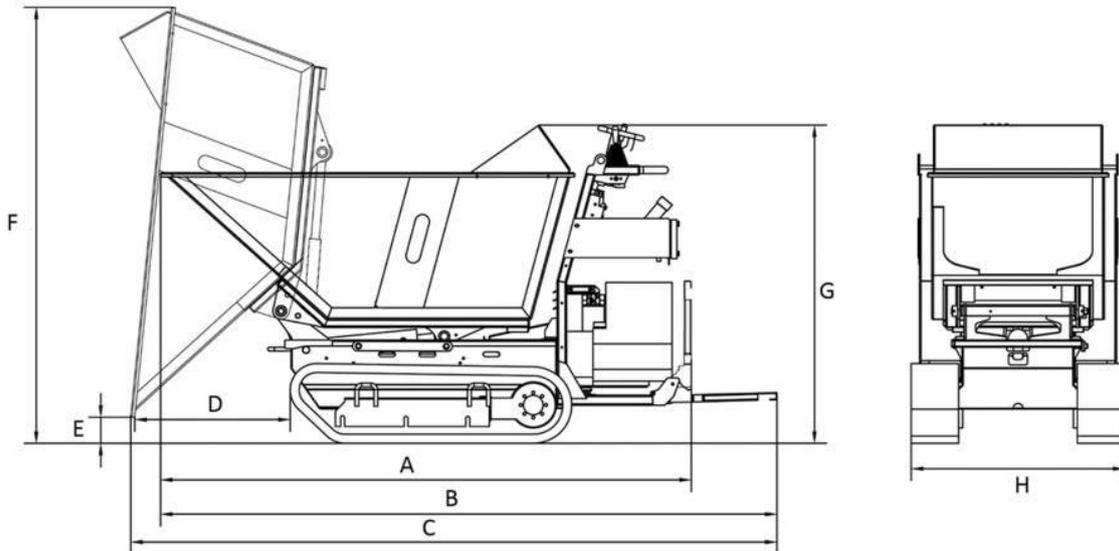
3. Service the air filter.
4. Change engine oil; refer to engine manual.
5. Remove spark plug(s) and check its condition; refer to section on Spark Plugs. With spark plug(s) removed from the engine, pour two tablespoons of engine oil into the spark plug hole. Now use the starter to crank the engine and distribute the oil inside the cylinder. Install the spark plug(s). Do not install the wire on the spark plug(s).
6. Check condition of treads and tighten if necessary; refer to section on treads.
7. Charge the Battery; refer to section on Batteries.
8. For long-term storage (more than 90days) add stabilizer/conditioner additive to fuel tank.
  - Run engine to distribute conditioned fuel through the fuel system (5 minutes).
  - Stop engine, allow to cool and drain the fuel tank; refer to section on Fuel Tank.
  - Restart engine and run it until it stops. Repeat, on "CHOKE" until engine will not restart.

- Dispose of fuel properly. Recycle according to local codes.

Note: Do not store stabilized/conditioned fuel over 90 days.

9. Check and tighten all bolts, nuts, and screws. Repair or replace any part that is damaged or defective.
10. Store the machine in a clean, dry garage or storage area. Remove the key from the ignition switch and keep it in a memorable place. Cover the machine to protect it and keep it clean.

## 10. EQUIPMENT SPECS



	A	B	C	D	E	F	G	H
<b>INCHES</b>	88"	102.2"	107"	25.8"	4.4"	72.8"	53"	35.5
<b>CM</b>	223	259	272	65.5	11	185	135	90

MODEL	CB16P	CB16S
<b>Total Capacity cu.ft. (Lt)</b>	.7 yards / 18 cu. ft.	.7 yards / 18 cu. ft.
<b>Mixing Capacity cu.ft. (Lt)</b>	6 cu. ft (170)	8 cu. ft (230)
<b>Engine Power</b>	Honda or Kohler 20 HP	Honda or Kohler 20 HP
<b>Top Speed</b>	3 mph	3 mph
<b>Fuel Capacity Gal/Lt</b>	6 Gal (22)	6 Gal (22)
<b>Oil tank Capacity Gal/Lt</b>	8 Gal (30)	8 Gal (30)
<b>Overall Width in (cm)</b>	35" (89)	35" (89)
<b>Length in (cm)</b>	88" (223)	88" (223)
<b>Overall Height in (cm)</b>	53" (135)	53" (135)
<b>Operating Weight lbs. (Kg)</b>	1166 lbs. (529)	1466 lbs. (665)
<b>Hauling Capacity lbs. (Kg)</b>	2500 lbs. (1135)	2500 lbs. (1135)
<b>Drum size thickness</b>		
<b>Ground Clearance in/cm</b>	4-1/4" (10.8)	4-1/4" (10.8)

## 11. TORQUE CHART

### APROXIMATE TIGHTENING TORQUE

<u>SIZE</u>	<u>GRADE 2</u>	<u>GRADE 5</u>	<u>GRADE 8</u>
# 10-24	21 in-lbs	32 in-lbs	45 in-lbs
# 10-32	23 in-lbs	36 in-lbs	51 in-lbs
1/4-20	49 in-lbs	76 in-lbs	9 in-lbs
1/4-28	56 in-lbs	87 in-lbs	10 in-lbs
5/16-18	8 in-lbs	13 in-lbs	18 in-lbs
5/16-24	9 in-lbs	14 in-lbs	20 in-lbs
3/8-16	15 in-lbs	23 in-lbs	33 in-lbs
3/8-24	17 in-lbs	26 in-lbs	37 in-lbs
7/16-14	24 in-lbs	37 in-lbs	52 in-lbs
7/16-20	27 in-lbs	41 in-lbs	58 in-lbs
1/2-13	37 in-lbs	57 in-lbs	80 in-lbs
1/2-20	41 in-lbs	64 in-lbs	90 in-lbs
9/16-12	53 in-lbs	82 in-lbs	115 in-lbs
9/16-18	59 in-lbs	82 in-lbs	129 in-lbs
5/8-11	73 in-lbs	112 in-lbs	159 in-lbs
5/8-18	83 in-lbs	112 in-lbs	180 in-lbs
3/4-10	129 in-lbs	223 in-lbs	282 in-lbs
3/4-16	144 in-lbs	200 in-lbs	315 in-lbs
7/8-9	125 in-lbs	322 in-lbs	454 in-lbs
7/8-14	138 in-lbs	355 in-lbs	501 in-lbs

### APROXIMATE TIGHTENING TORQUE

<u>SIZE</u>	<u>GRADE 2</u>	<u>GRADE 5</u>	<u>GRADE 8</u>
1-8	188 ft-lbs	483 ft-lbs	682 ft-lbs
1-12	205 ft-lbs	529 ft-lbs	746 ft-lbs
1-14	210 ft-lbs	541 ft-lbs	764 ft-lbs
1-1/8-7	266 ft-lbs	596 ft-lbs	966 ft-lbs
1-1/8-12	297 ft-lbs	668 ft-lbs	1083 ft-lbs
1-1/4-7	375 ft-lbs	840 ft-lbs	1363 ft-lbs
1-1/4-12	415 ft-lbs	930 ft-lbs	1509 ft-lbs
1-3/8-6	491 ft-lbs	1102 ft-lbs	1787 ft-lbs
1-3/8-12	559 ft-lbs	1254ft-lbs	2034 ft-lbs
1-1/2-6	652 ft-lbs	1462ft-lbs	2371 ft-lbs
1-1/2-12	734 ft-lbs	1645ft-lbs	2668 ft-lbs
M 6	3 ft-lbs	4 ft-lbs	7 ft-lbs
M 8	6 ft-lbs	10 ft-lbs	18 ft-lbs
M 10	10 ft-lbs	20 ft-lbs	30 ft-lbs

#### CONVERSIONS

in - lbs x 0.083 = ft-lbs

ft - lbs x 12 = in-lbs

ft - lbs x 0.1383 = kg-m

ft - lbs x 1.3558 = N-m

## 12. WARRANTY

### THIS IS YOUR WARRANTY – PLEASE READ AND SAVE

1. **TK Equip** warrants each new machine against any manufacturing defect in material and workmanship under normal use and service for a period of (1) one year. Warranty period begins on first day of use by end user. This first day of use is established by the date of a completed warranty card or a bill of sale to the end user.
2. Machines altered or modified without a **TK Equip** written consent may void this warranty policy immediately. Misuse, negligence, accidents or the operation of the machines in any other way that the recommended by **TK Equip** operation procedures, will void this warranty policy. This warranty shall not apply to machines repaired by other than authorized **TK Equip** branches or distributors.
3. The cost of transportation and other expenses related are not covered by this warranty.
4. Written authorization for the return of merchandise under warranty must be obtain from **TK Equip** customer service contact. All equipment & parts returned may be sent with a signed RGA (Return Goods Authorization) for its follow up.
5. **TK Equip** reserves the right to inspect and render the final decision on each warranty case.
6. **TK Equip** reserves the right to improve or make product changes without incurring any obligation to update, refit or install on machines previously sold.
7. **TK Equip** is not responsible for any liability, damage or injury directly or indirectly from the design, material or operation of its product.
8. The warranty letter must be returned to **TK Equip** within 10 days after purchase/acquire, for a first use failure warranty claim.
9. Warranty request must be submitted in written within 30 days after machine failure to **TK Equip** customer service.
10. THE FOREIGN WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANT ABILITY AND FITNESS FOR USE AND OF ALL OTHER OBLIGATION OR LIABILITIES ON OUR PART, AND WE NEITHER ASSUME NOR AUTHORIZE AINES, MOTOR AND THEIR COMPONENTS.NY OTHE RPERSON TO ASSUME FOR US ANY OF OUR PRODUCTS. LIKEWISE, THIS WARRANTY

**Control #:** \_\_\_\_\_ (Dealer's internal #)

**TK Equipment, Inc.**

**Lifetime Limited Warranty Application**

This warranty application must be filled in by the dealer/distributor at the time of the sale. Please Print

TK Equipment Product Purchased at: \_\_\_\_\_ Phone ( \_\_\_\_\_ ) \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Model No.: \_\_\_\_\_ Customer Invoice: \_\_\_\_\_ Date: \_\_/\_\_/\_\_

16 DIGIT Serial No.: \_\_\_\_\_

Customer Name: \_\_\_\_\_ Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Representative Signature: \_\_\_\_\_ Date: \_\_/\_\_/\_\_

Equipment's Owner Signature \_\_\_\_\_ Date: \_\_/\_\_/\_\_

Additional Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**NOTE:** To Register our unit, please send a copy by email to [service@btmequipment.com](mailto:service@btmequipment.com) or by fax to (956) 462-2500

**Control #:** \_\_\_\_\_



**TK Equipment, Inc.**

**Customer Life Time  
Warranty Application**

**\*Dettach and keep on file**  
(Check warranty policy for details)

**Customer Signature**

\_\_\_\_\_

## 13. WAREHOUSE LOCATIONS

### *We are at your service*

We have established a network of reputable distributors with trained mechanics and full facilities for maintenance and rebuilt, and to carry an adequate stock parts in all areas of the country. Their sales engineers are available for professional consultation. If you cannot locate your nearest distributor contact our sales branch listed below so we can point you in the right direction.

#### UNITED STATES

TK EQUIPMENT OFFICE  
14419 ATLANTA DRIVE  
LAREDO, TX 78045  
TEL: (956) 796-9411  
FAX: (956) 462-2500

### CONTACT BY E-MAIL

#### SALES

[sales@tkequip.com](mailto:sales@tkequip.com)

#### PARTS & SERVICE

[parts@btmequipment.com](mailto:parts@btmequipment.com)  
[service@btmequipment.com](mailto:service@btmequipment.com)

#### ACCOUNTING

[accounting@btmequipment.com](mailto:accounting@btmequipment.com)  
[accounts@btmequipment.com](mailto:accounts@btmequipment.com)

#### SALES MANAGER

**Octavio Chavez**

Sales Manager

[manager@tkequip.com](mailto:manager@tkequip.com)

[www.tkequip.com](http://www.tkequip.com)



