

# **JOB SITE**

CT1703 (Ref no. C-40)

CT1707 (Ref no. C-60)

## **PETROL COMPACTOR ORIGINAL INSTRUCTIONS**



### **WARNING**

To reduce the risk of injury, all operators and maintenance personal must read and understand the instructions before operating, changing accessories, or performing maintenance on there products. All possible solution can not be covered in these instructions. Care must be exercised by everyone using or maintaining.

Cannon Tools Limited

Address: 20 Station Road, Rowley Regis, West Midlands, B65 0JU.UNITED KINGDOM

## EC DECLARATION OF CONFORMITY

We, CANNON TOOLS LTD  
20 Station Road, Rowley Regis, West Midlands, B65 0JU.U.K

Declare that the following machine complies with the appropriate basic safety and health requirements of the EC Directive based on its design and type, as brought into circulation by us.

In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity.

Product description: **PETROL COMPACTOR**

Model: **CT1703 (Ref no. C-40)**

Appropriate EC directives:

- EC-Machinery Directive 2006/42/EC

Applicable Harmonized Standards:

EN ISO 12100, EN ISO 20643, ISO 5349-1, EN 500-1, EN 500-4

Model: **CT1707 (Ref no. C-60)**

Appropriate EC directives:

- EC-Machinery Directive 2006/42/EC

- EC-Directives on noise emission in the environment by equipment for use outdoors 2005/88/EC

Applicable Harmonized Standards:

EN 500-1, EN 500-4, EN ISO 3744, EN500-4

CANNON TOOLS LTD  
20 Station Road, Rowley Regis, West Midlands, B65 0JU.U.K.

Managing Director

Sign



Mr. Gurcharan Tony Singh Sanghera



2020.05.27

## **1. INSTRUCTION**

THANKS FOR YOUR SLECTION OF OUR PRODUCTS. WITH THE TECHNOLOGY INTRODUCED FROM JAPAN, THIS SERIES OF PRODUCTS HAVE THE ADVANTAGES OF SMALL VOLUME, LIGHT WEIGHT, GRACE APPERANCE AND DURABLE MECHANICAL STRUCTURE.

### **GENERAL SAFETY INSTRUCTIONS FOR THE OPERATION OF POWER EQUIPMENT**

OUR GOAL IS TO SUPPLY LIGHT CONSTRUCTION MACHINERY THAT HELPS OPERATOR WORK SAFETY AND EFFICIENTLY. THE MOST IMPORTANT SAFETY DEVICE FOR THIS OR ANY TOOLS IS THE OPERATOR. CARE AND GOOD JUDGEMENT ARE THE BEST PROTECTION AGAINST INJURY. ALL POSSIBLE HAZARDS CANNOT BE COVERED HERE, BUT WE HAVE TRIED TO HIGHLIGHT SOME OF THE IMPORTANT ITEMS, INDIVIDUALS SHOULD LOOK FOR ADVENTURE CAUTION, WARNING AND DANGER SIGNS MARKED ON EQUIPMENT AND DISPLAYED IN THE WORKPLACE, OPERATORS SHOULD READ AND FOLLOW SAFETY INSTRUCTIONS PACKED WITH EACH PRODUCTS.

LEARN HOW EACH MACHINE WORKS, EVEN IF YOU HAVE PREVIOUSLY USED SIMILAR MACHINES, CAREFULLY CHECK OUT EACH MACHINE BEFORE YOU USE IT . GET THE "FEEL" OF IT AND KNOW ITS CAPABILITIES, LIMITATIONS, POTENTIAL HAZARDS, HOW IT OPERATES, AND HOW IT STOPS.

## **2. APPLICATION**

TRENCH COMPACTION	EARTHWORKS
ROAD MAINTENANCE	LANDSCAPING
BRICKPAVING	DRIVEWAY TOPPINGS

### **3.FUNCTIONS AND CONTROLS**

#### **MOTOR**

PLS READ THE ATTACHED INSTRUCTION MANUAL FOR GASOLINE ENGINE MOTOR CAREFULLY BEFORE USING IT.

#### **DRIVE BELT**

TENSION OF THE DRIVE BELT IS ADJUSTABLE. LOOSEN THE FOUR NUTS ON THE BOLTS WHICH SECURE THE MOTOR TO THE BASEPLATE. ADJUST THE SET SCREWS WHICH BEAR AGAINST THE MOTOR CRANKCASE TO ACHIEVE THE REQUIRED BELT TENSION. ENSURE THAT FOUR NUTS AND THE SET SCREW LOCKNUTS ARE TIGHTENED AFTER ADJUSTMENT.

### **4. ACCESSORIES**

TRANSPORT TROLLEY – FACILITATES HANDLING, HOOKS INTO THE BASE-PLATE. FITTED WITH 200MM RUBBER TYRES.

WATER TANK KIT – FOR DUST REDUCTION, CEMENT STABILISED SOIL, BITUMEN HOT MIX. (THERE ARE JUST MODEL C-77W HAVE THE WATER TANK KIT ATTACHED ON THE MACHINE.)

### **5. HAZARDS AND RISKS**

**NEVER** ALLOW ANY PERSON TO OPERATE THE MACHINE WITHOUT ADEQUATE INSTRUCTION.

**ENSURE** ALL OPERATORS READ, UNDERSTAND AND FOLLOW THE OPERATING INSTRUCTIONS.

**SERIOUS INJURY** COULD RESULT FROM IMPROPER OR CARELESS USE OF MACHINE

PLATE COMPACTORS ARE HEAVY UNITS AND SHOULD BE POSITIONED BY TWO PEOPLE OF APPROPRIATED STRENGTH, USING THE LIFTING HANDLES PROVIDED ON THE MACHINE, ALONG WITH CORRECT LIFTING TECHNIQUES.

#### **5.1 MECHANICAL HAZARDS**

**DON'T** OPERATE THE MACHINE UNLESS ALL PROTECTIVE GUARDS ARE IN ITS PLACE.

**KEEP** HANDS AND FEET CLEAR OF ROTATING AND MOVING PARTS AS THEY WILL CAUSE INJURY IF CONTACTED.

**ENSURE** THAT THE MOTOR OPERATION SWITCH IS IN THE **OFF** POSITION AND THE SPARK PLUG IGNITION LEAD IS DISCONNECTED BEFORE REMOVING THE GUARDS OR MAKING ADJUSTMENTS.

**ENSURE** BOTH THE MACHINE AND THE OPERATOR ARE STABLE BY

SETTING UP ON LEVEL TERRAIN AND THE MACHINE WILL NOT TIP OVER, SLIDE OR FALL WHILE IN OPERATION AND UNATTENDED.

**DO NOT** LEAVE THE MACHINE IN OPERATION WHILE IT IS UNATTENDED.

**ENSURE** THAT THE WALLS OF A TRENCH ARE STABLE AND WILL NOT COLLAPSE DUE TO THE ACTION OF THE VIBRATION , PRIOR TO COMMENCING COMPACTION.

**ENSURE** THAT THE AREA TO BE COMPACTED DOES NOT CONTAIN ANY "LIVE" ELECTRICAL CABLES, GAS, WATER OR COMMUNICATIONSERVICE'S WHICH MAY BE DAMAGED BY THE ACTION OF THE VIBRATION.

**EXERCISE CARE** WHEN OPERATING UNIT, EXPOSURE TO VIBRATION OR REPETITIVE WORK ACTIONS MAY BE HARMFUL TO HANDS AND ARMS

**NEVER** STAND ON THE UNIT WHILE IT IS OPERATING.

**DO NOT** INCREASE THE GOVERNED NO-LOAD MOTOR SPEED ABOVE 3500 RPM . ANY INCREASE MAY RESULT IN PERSONAL INJURY AND DAMAGE TO THE MACHINE.

**BE CAREFUL** NOT TO COME IN CONTACT WITH THE MUFFIER WHEN THE ENGINEIS HOT, SINCE IT CAN CUASE SERVERE BURNS.

**ENSURE** THAT REPAIRS TO THE MOTOR AND MACHINE ARE CARRIED OUT BY COMPETENT PERSONNEL.

## **5.2 FIRE AND EXPLOSION HAZARDS**

**PETROL OR DIESEL OIL** IS EXTREMELY FLAMMABLE AND EXPLOSIVE UNDER CERTIAIN CONDITIONS.

**ENSURE** THAT FUEL IS ONLY STORED IN AN APPROVED STORAGE CONTAINER.

**DO NOT** REFUEL THE MOTOR WHILE IT IS IN OPERATION OR HOT.

**DO NOT** REFUEL THE MOTOR IN THE VICINITY OF SPARKS, A NAKED FLAME OR A PERSON SMOKING.

**DO NOT** OVER FILL THE FUEL TANK AND AVOID SPILLING OIL WHEN

REFUELLING. SPILLED OIL OR ITS VAPOUR MAY IGNITE. IF SPILLAGE OCCURS, ENSURE THAT THE AREA IS DRY BEFORE STARTING THE MOTOR.

**ENSURE** THAT THE FUEL TANK CAP IS SECURELY FITTED AFTER REFUELLING.

### **5.3 CHEMICAL HAZARDS**

**DO NOT** OPERATE OR REFUEL A PETROL OR DIESEL MOTOR IN A CONFINED AREA WITHOUT ADEQUATE VENTILATION.

**CARBON MONOXIDE** EXHAUST GASES FROM INTERNAL COMBUSTION MOTOR DRIVEN UNITS CAN CAUSE DEATH IN CONFINED SPACES.

### **5.4 NOISE HAZARDS**

**EXCESSIVE NOISE** CAN LEAD TO TEMPORARY OR PERMANENT LOSS OF HEARING.

**WEARING** AN APPROVED HEARING PROTECTION DEVICE TO LIMIT NOISE EXPOSURE. AS REQUIRED BY OCCUPATIONAL HEALTH AND SAFETY REGULATIONS.

### **5.5 PROTECTIVE CLOTHING**

**ALWAYS** WEAR APPROVED HEARING PROTECTION WHEN WORKING IN A CONFINED WORK SPACE. PROTECTIVE GOOGLES AND A DUST MASK SHOULD BE WORN WHEN WORKING IN A DUSTY ENVIRONMENT. PROTECTIVE CLOTHING AND FOOTWEAR MAY ALSO BE DESIRABLE WHEN WORKING WITH HOT MIX MITURMEN.

### **5.6 ADDITIONAL HAZARDS**

**SLIP/TRIP/FALL** IS A MAJOR CAUSE OF SERIOUS INJURY OR DEATH. BEWARE OF UNEVEN OR SLIPPERY WORK SURFACES.

**EXERCISE CARE** WHEN WORKING IN THE VICINITY OF UNPROTECTED HOLES OR EXCAVATION.

## 6. INSPECTION & OPERATION

THE MACHINE IS BEST SUITED TO THE COMPACTION OF BITUMINOUS AND GRANULAR MATERIAL E.G. GRANULAR SOILS, GRAVELS AND SANDS OR MIXTURES OF BOTH ,COHESIVE SOILS SUCH AS SILT AND CLAY ARE BEST COMPACTED USING THE IMPACT FORCE PRODUCED BY A VIBRATING RAMMER.

WHERE POSSIBLE THE SITE SHOULD BE GRADED AND LEVELLED BEFORE COMMENCING COMPACTION.

CORRECT MOISTURE CONTENT IN SOIL IS VITAL TO PROPER COMPACTION. WATER ACTS AS A LUBRICANT TO HELP SLIDE SOIL PARTICLES TOGETHER. TOO LITTLE MOISTURE MEANS INADEQUATE COMPACTION ; TOO MUCH MOISTURE LEAVES WATER-FILLED VOIDS THAT WEAKEN THE SOIL'S LOAD-BEARING ABLITY.

COMPACTION OF DRY MATERIALS WILL BE FACILITED BY MOISTENING WITH A WATER HOSE FITTED WITH A SPRINKLER.

EXCESSIVE WATERING OR WATER CONTENT WILL CAUSE THE MACHINE TO STALL.

THE OPTIONAL WATER TANK KIT IS RECOMMENDED WHEN THE MACHINE IS USED ON BILUMINOUS SURFACES AS THE WATER FILM PREVENTS A BUILD UP OF MATERIAL ON THE UNDERSIDE OF THE PLATE.

THE VIBRATORY MOTION PROVIDES A SELF PROPEILING ACTION. POSITON THE HANDLE AT THE OPPOSITE END OF THE MACHINE TO THE VIBRATOR , START THE MOTOR USING THE RECOIL STARTER. (IF THE MOTOR IS FITTED WITH AN ON/OFF SWITCH THIS MUST FIRST BE TURNED TO **ON** BEFORE STARTING.)

FOR MORE INFORMATION ON STARTING AND CORRECT OPERATING PROCEDURES OF THE MOTOR, REFER TO THE MOTOR OPERATION MANUAL SUPPLIED WITH THE UNIT.

INCREASE THE MOTOR SPEED TO THE MAXIMUM SETTING USING THE HAND THROTTLE LEVER, BEFORE COMMENCING COMPACTING.

THE MACHINE SHOULD BE CONTROLLED BY GRASPING THE HANDLE WITH BOTH HANDS AND APPLYING RESTRAINT TO CONTROL THE FORWARD MOTION.

STEER THE MACHINE BY MOVING THE HANDLE SIDEWAYS TO THE RIGHT OR LEFT.

**ALWAYS** MAINTAIN GOOD FOOTING SO THAT YOU DO NOT SLIP AND LOOSE CONTROL WHEN STARTING OR OPERATING THE MACHINE.

IF THE OPTIONAL WATER TANK IS FITTED , THE FLOW RATE CAN BE CONTROLLED BY ADJUSTING THE COCK IN THE SUPPLY HOSE TO THE SPRINKLER BAR.

PLS READ THE ATTACHED INSTRUCTION MANUAL FOR DIESEL (GASOLINE) ENGINE MOTOR CAREFULLY BEFORE USING

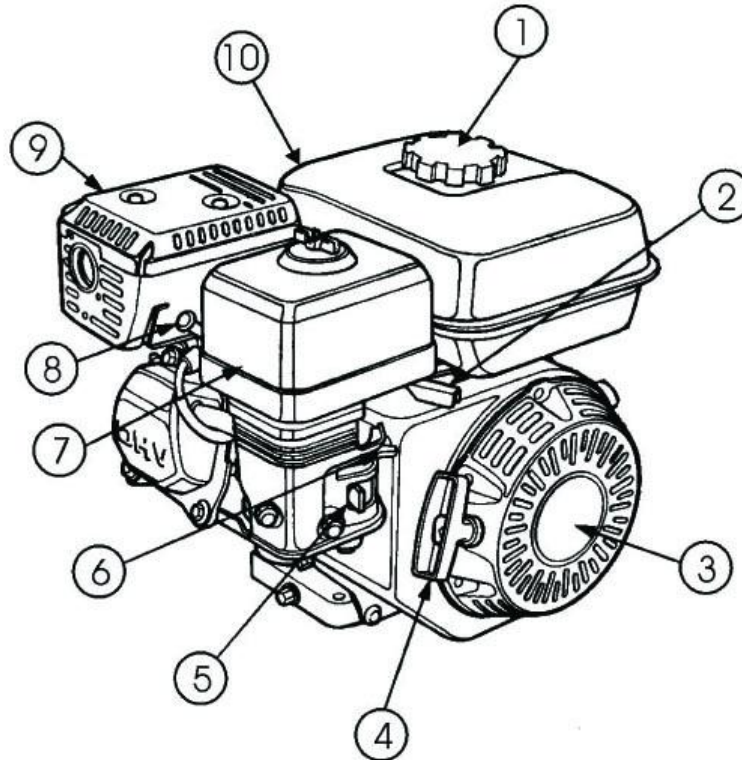


Figure 2. Engine Controls & Components

1. **Fuel Filler Cap** – Remove this cap to add unleaded gasoline to the fuel tank. Make sure cap is tighten securely, **DO NOT** over fill.
2. **Throttle Lever** – Used to adjust engine speed (fast-slow).
3. **Recoil Starter (pull rope)** – Type of engine starting method. Alternate type would be electric start (ignition key).
4. **Starter Grip** – Grip this handle to start engine. See engine starting section of this manual.
5. **Fuel Valve Lever** – **OPEN** to let fuel flow, **CLOSE** to stop the flow of fuel.
6. **Choke Lever** – Used in the starting of a cold engine, or in cold weather conditions. The choke enriches the fuel mixture.
7. **Air Cleaner** – Prevents dirt and other debris from entering the fuel system. Remove wing-nut on top of air filter cannister to gain access to filter element.
8. **Spark Plug** – Provides spark to the ignition system. Set spark plug gap to 0.6 - 0.7 mm (0.028 - 0.031 inch) Clean spark plug once a week.
9. **Muffler** – Used to reduce noise and emissions.
10. **Fuel Tank** – Holds 3.6 liters (approximately 1 gallon) of unleaded gasoline.

# INSPECTION

## Before Starting

1. Read safety instructions at the beginning of manual.
2. Clean the compactor, removing dirt and dust. Particularly, the bottom of the plate, engine cooling air inlet, carburetor and air cleaner.
3. Check the air filter for dirt and dust. If the air filter is dirty, blow through the air filter cartridge from the inside, moving a jet of dry compressed air up and down until all dust is removed. Otherwise replace air filter with a new one.
4. Check carburetor for external dirt and dust. Clean with dry compressed air.
5. Check fastening nuts and bolts for tightness. Loosened screws or bolts due to vibration, could lead to unexpected accident.

## Engine Oil Check

1. To check the engine oil level, place the plate compactor on secure level ground with the engine stopped.
2. Remove the filler cap/dipstick from the engine oil filler hole (Figure 3) and wipe it clean.

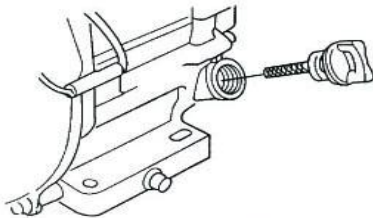


Figure 3. Engine Oil Dipstick

3. Insert and remove the dipstick without screwing it into the filler neck. Check the oil level shown on the dipstick.
4. If the oil level is low (Figure 4), fill to the edge of the oil filler hole with the recommended oil type (Table 3). Maximum oil capacity is 400 cc.

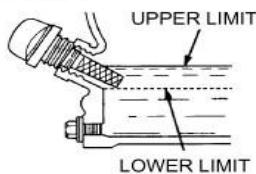


Figure 4. Engine Oil Dipstick

## V-Belt Check

### CAUTION:



**NEVER** attempt to check the V-belt with the engine running. Severe injury can occur if your hand (Figure 6) gets caught between the V-belt and the clutch. Always use safety gloves.

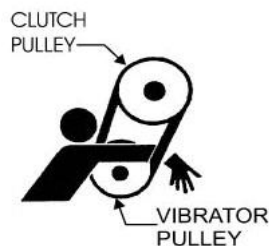


Figure 6. V-Belt Hazard

1. To check the V-belt tension, remove the three bolts that secure the belt cover to the frame as shown in Figure 7.

### NOTE

The Oil Alert system will automatically stop the engine before the engine falls below safe limits. Always be sure to check the engine oil level prior to starting the engine.

Table 3. Oil Type

Season	Temperature	Oil Type
Summer	25°C or Higher	SAE 10W-30
Spring/Fall	25°C-10°C	SAE 10W-30/20
Winter	0°C or Lower	SAE 10W-10

## Gasoline Check

1. Remove the gasoline cap located on top of fuel tank.
2. Visually inspect to see if fuel level is low. If fuel is low, replenish with unleaded fuel.
3. When refueling, be sure to use a strainer for filtration. **DO NOT** top-off fuel. Wipe up any spilled fuel.

## Vibrator Oil Check

1. Place the MVC-88GH horizontally on a flat surface. Make sure the compactor is level when checking the oil in the vibrator assembly.
2. Check vibrator oil level by removing the plug (vibrator oil gauge) as shown in Figure 5. The oil level should be up to the oil plug. The vibrator holds 140cc (approximately 1 pint). **IMPORTANT**, if oil is required, replace using only SAE 10W-30 motor oil.

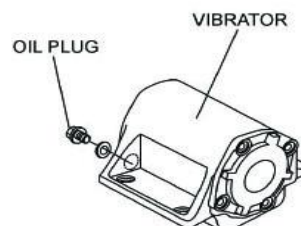


Figure 5. Vibrator Oil Plug

2. The V-belt tension is proper if the V-belt bends 10 to 15 mm (Figure 8) when depressed with finger at midway between the clutch and vibration pulley shafts.

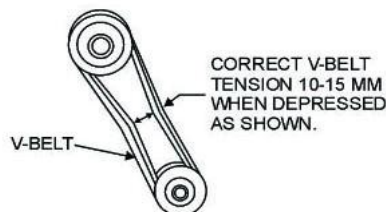


Figure 8. V-Belt Tension

3. A loose V-belt will decrease the power transmission output, causing reduced compaction and premature wear of the belt.
4. If the V-belt becomes worn or loose, replace it by using V-belt part number RPF-3320 or A-32

## INITIAL START-UP

### CAUTION:



**DO NOT** attempt to run the compactor until the Safety and Initial Start-up sections have been read.

1. Place the *fuel valve lever* (Figure 9) in the "ON" position.

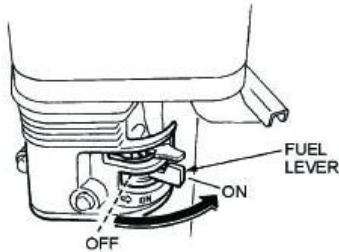


Figure 9. Fuel Valve Lever

2. Place the *Engine ON/OFF switch* (Figure 10) in the "ON" position.

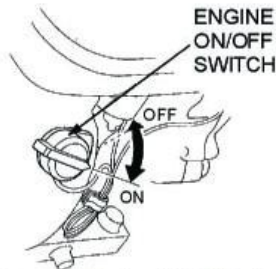


Figure 10. Engine ON/Off Switch

3. Place the *Choke Lever* (Figure 11) in the "OPEN" position.

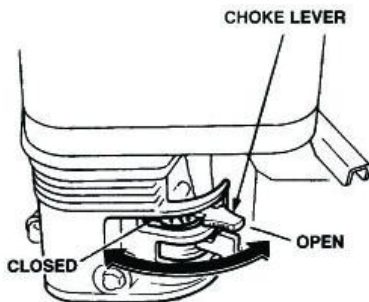


Figure 11. Choke Lever

### NOTE

The **CLOSED** position of the choke lever enriches the fuel mixture for starting a **COLD** engine. The **OPEN** position provides the correct fuel mixture for normal operation after starting, and for restarting a warm engine.

4. Place the *throttle lever* (Figure 12) halfway between *fast* and *slow*.

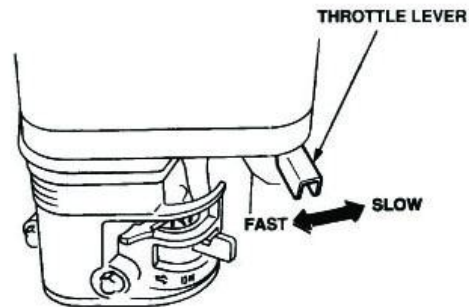


Figure 12. Throttle Lever

5. Grasp the starter grip (Figure 13) and slowly pull it out. The resistance becomes the hardest at a certain position, corresponding the compression point. Rewind the rope a little from that point and pull out sharply.

### CAUTION:



- **DO NOT** pull the starter rope all the way to the end.
- **DO NOT** release the starter rope after pulling. Allow it to rewind as soon as possible.

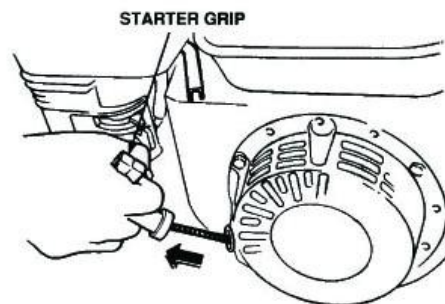


Figure 13. Starter Grip

## 7. MAINTENANCE & SERVICE

### CAUTION:



Inspection and other services should *always* be carried out on hard and level ground with the engine shutdown.

#### Inspection and Maintenance Service Tables.

- To make sure your plate compactor is always in good working condition before using, carry out the maintenance inspection in accordance with Tables 4 through 6.

TABLE 4. MACHINE INSPECTION		
Item	Hours of Operation	Remarks
(Starting check)	Every 8 hours (every day)	
Loosened or lost screws	Every 8 hours (every day)	
Damage of any part	Every 8 hours (every day)	
Function of controlling system part	Every 8 hours (every day)	
Vibrator oil check	Every 100 hours	See page 19.
Vibrator oil replacement	Every 200 hours	See page 19.
V-belt (clutch) check	Every 200 hour	See page 19.

TABLE 5. ENGINE CHECK	
(For details, see separate Engine Manual)	
Item	Hours of Operation
Leakage of oil or fuel	Every 8 hours (every day)
Tightness of fastening threads	Every 8 hours (every day)
Engine oil check and replenishment	Every 8 hours (every day)(Replenish to specified max. level)
Engine oil replenishment	At first 20 hours, then every 100 hours
Air cleaner cleaning	Every 50 hours

### CAUTION:



These inspection intervals are for operation under normal conditions. Adjust your inspection intervals based on the number hours plate compactor is in use, and particular working conditions.

### CAUTION:



Fuel piping and connections should be replaced every 2 years.

#### Daily Service

- Check for leakage of fuel or oil.
- Remove soil and clean the bottom of compaction plate.
- Check engine oil, see page 13.
- Check for loose screws including tightness. See Table 6 below (tightening torque), for retightening:

TABLE 6.								
TIGHTENING TORQUE (In. kg/cm) Diameter								
Material	6mm	8mm	10mm	12mm	14mm	16mm	18mm	20mm
4T	70	150	300	500	750	1,100	1,400	2,000
6-8T	100	250	500	800	1,300	2,000	2,700	3,800
11T	150	400	800	1,200	2,000	2,900	4,200	5,600
*	100 (6mm) 300 - 350 (8mm) 650 - 700 (10mm)							
* (In case counter-part is of aluminum)								
(Threads in use with this machine are all right handed)								
Material and quality of material is marked on each bolt, and screw.								

#### Engine Oil Replacement:

- Replace engine oil, in first 20 hours of operation and every 100 hours afterwards.
- Oil may be drained more easily when it is warm after operation
- When changing the engine oil, the old oil can be drained by removing the oil filler cap, and un-screwing the engine oil drain plug located at the base of the engine.
- Remember to refill engine crankcase with the recommended type of oil as listed in Table 3.

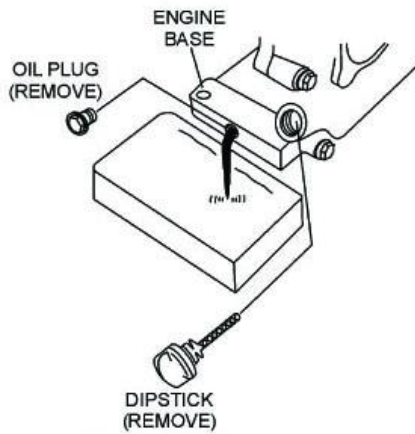


Figure 14. Engine Oil Plug

#### Changing Vibrator Oil

1. When changing the vibrator oil, remove the drain plug located at the bottom-right of the vibrator (Figure 5), and simply tip the compactor to drain the oil. Note that the oil will drain more easily while it is hot. Remember to use only 10W-30 motor oil when replacing vibrator oil.

#### Air Filter

1. The air filter element should be cleaned because a clogged air cleaner can cause poor engine starting, lack of power and shorten engine life substantially.
2. To clean or replace air filter loosen the wing nut on the air filter housing (Figure 15), remove the cover and take out air filter cartridge. If only cleaning of the air filter is desired blow through the air filter cartridge from the inside, moving a jet of dry compressed air up and down until all dust is removed.

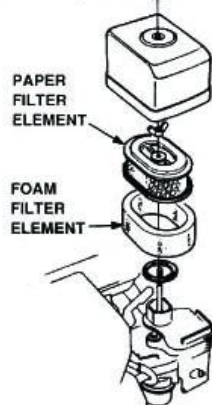


Figure 15. Air Filter

#### CAUTION:



**NEVER** attempt to check the V-belt with the engine running. Severe injury can occur if your hand (Figure 6) gets caught between the V-belt and the clutch. Always use safety gloves.

#### Checking and Replacing the V-Belt and Clutch

1. After 200 hours of operation, remove the upper belt cover to check the V-belt tension. Tension is proper if the belt bends about 10 mm when depressed strongly with finger between shafts. Loose or worn V-belts reduces power transmission efficiency, causing weak compaction and reduces the life of the belt itself.

#### CAUTION:



Whenever the compactor's vibration becomes weak or lost during normal operation regardless of operation hours, check the V-belt and clutch immediately.

#### ● Replacing the V-belt

Remove the upper and lower belt covers. Engage an offset wrench (13 mm) or the like to vibrator pulley (lower) fastening bolt. Engage waste cloth or the like at midway of V-belt on the left side and while pulling it back strongly, rotate the offset wrench clockwise so that the V-belt will come off.

#### ● Reinstalling the V-belt

Engage V-belt to lower vibrator pulley and push the V-belt to left side of upper clutch and, in the same manner as in removal, rotate offset wrench clockwise so that the V-belt goes back on.

#### ● Checking Clutch

Check the clutch simultaneously with V-belt checking. With belt removed, check outer drum of the clutch for seizure and "V" groove for wear or damage with your eyes. Clean the "V" groove as necessary. Wear of lining or shoe should be checked with running check. If the shoe is worn, power transmission becomes deficient and slipping will result.

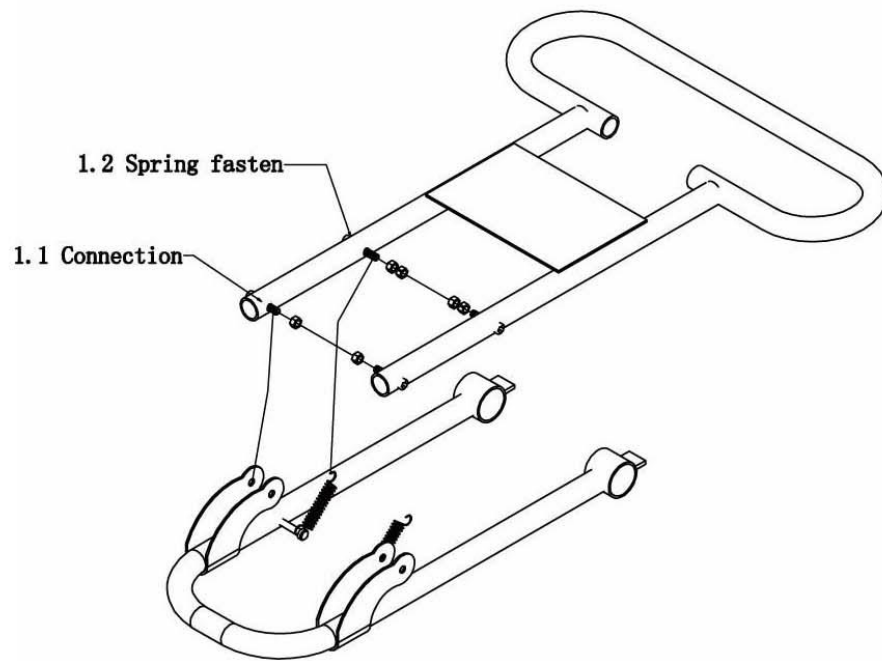
## 8. SPECIFICATION

MODEL NO.	CT1703	CT1707
PLATE SIZE(MM) (approx.)	410*280	510*350
WEIGHT (KG)	32.5	62
WALKING SPEED (M/MIN)(approx.)	20-25	20-25
IMPACT FORCE (KG)(approx.)	1030	1210
POWER SOURCE (approx.)	2.4HP GASOLINE EIGINE	6.5HP GASOLINE EIGINE
IMPACTION DEPT. (CM)	15	15
CLIMB CAPACITY	0-20°	0-20°

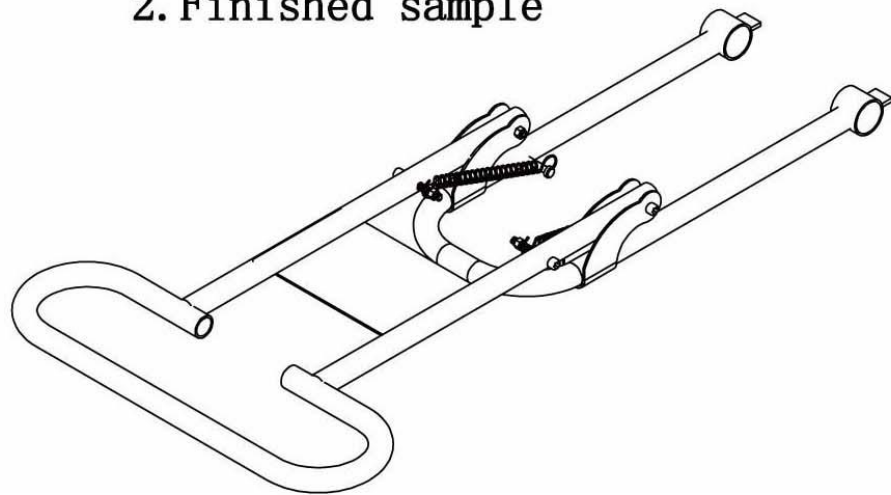
## 9. TROUBLE SHOOTING

SYMPTOM	POSSIBLE CUASES AND CORRECTION
MOTOR WILL NOT START	CHECK THE ON/OFF SWITCH TO ENSURE THAT IT IS SWITCHED 'ON' CHECK THE FUEL SUPPLY IF A DIESEL (GASOLINE) ENGINE MOTOR IS FITTED CHECK THE CRANKCASE OIL AS AN OIL SENSOR DEVICE IS FITTED TO THESE MOTORS WHICH PREVENTS STARTING AND STOPS THE MOTOR WHEN THE OIL LEVEL IS LOW ENSURE THE SPARK PLUG IGNITION LEAD IS CONNECTED. CHECK THE CARBURETTOR JET AND BOWL TO ENSURE THEY ARE CLEAN.
MOTOR STOPS	CHECK THE FUEL SUPPLY CHECK THAT THE FUEL COCK IS TURNED ON CHECK THE CONDITION OF THE AIR FILTER
PETROL MOTOR LACKS POWER	CHECK THE CONDITION OF THE AIR FILTER CHECK THE CONDITION OF THE SPARK PLUG
WATER FLOW STOPS	INSUFFICIENT WATER BLOCKAGE IN WATER HOSE OR SPRINKLER BAR
INSUFFICIENT VIBRATION	CHECK FOR A SLIPPING OR A MISSING VEE BELT CHECK THAT THE MOTOR GOVERNED SPEED IS 3,500 RPM
MACHINEIS NOT MOBING FREELY	CHECK THE UNDERSIDE OF THE PLATE FOR A BUILD UP OF MATERIAL

# 1. NEW HAND MOUNTING (IF APPLICABLE)



# 2. Finished sample





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