

MECHANICAL TEA PLUCKER

V8 MODEL **New Z2**
-S



MANUFACTURING: OCHIAI CUTLERY MFG. CO., LTD.

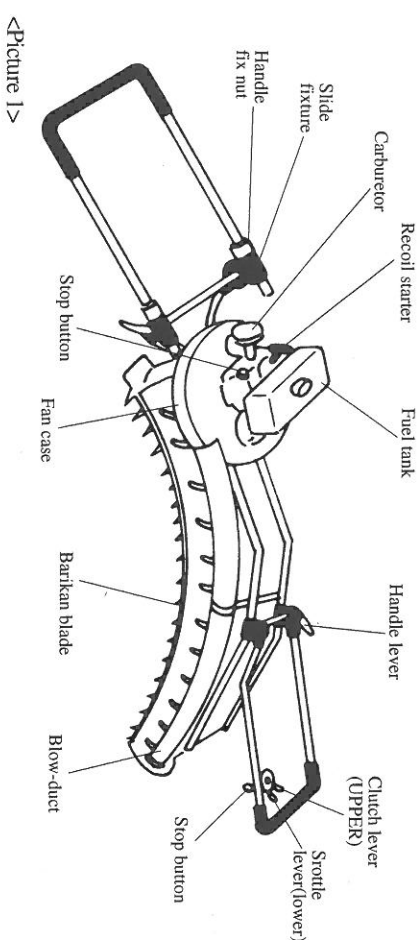
OCHIAI CUTLERY MANUFACTURING CO., LTD.

58 NISHIKATA, KIKUGAWA-CHO, SHIZUOKAKEN, 439-0037 JAPAN
PHONE: 0537-36-2161 ~ 8 FAX: 0537-35-4643
Home page <http://www.ochiai-1.co.jp/> E-mail info@ochiai-1.co.jp

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1 . MACHINE CONSTRUCTION AND MANE OF EACH SECTION



2. DRIVE OF ENGINE

a. Lubricant mixed gasoline

Mix ratio-Gasoline 20-25: Oil 1

However, please use by ratio gasoline 15: oil 1 during the first 20 hours operation.

CAUTION: Use exclusive mix oil for 2 cycles engine.

Pay attention to put no dust into fuel tank.

Pay attention not to spill the fuel.

b. Starting operation

(I) For float type carburetor

- (1) Open fuel cock.
- (2) Draw throttle lever at $1/3-1/2$.
- (3) Turn choke lever at the top level.
- (4) Confirm clutch lever turns back.
- (5) Draw recoil starter strongly and straightly.
- (6) Turn down choke lever after a few seconds.

(II) For diaphragm type carburetor

- (1) Draw throttle lever by $1/3$ to $1/2$.
- (2) Draw the choke knob completely.
- (3) Press the primary pump repeatedly until the fuel is discharged into the carburetor's overflow pipe.

- (4) Confirm clutch lever turns back.
- (5) Draw recoil starter strongly and straightly.
- (6) Turn down choke lever after a few seconds. Push down the choke lever after a few seconds.

CAUTION: Do not draw recoil starter to the end completely and turn it back slowly.

For details, refer to the instruction manual for the engine.

c. Motion of Barikan blade

When clutch lever is drawn, blade moves. When it is turned back, blade stops.

d. Way of stop

- (1) After turning back srotle lever and clutch lever, push continuously the stop button under the lever or the stop button in engine section until engine stops.
- (2) Close the fuel cock.

3. WAY OF OPERATION

a. Installation of collection bag.

- (1) As there are hooks in the rear of machine, hook a collecting bag by opening its mouth.
- (2) Put the bag keeping the net section upper side and more engine side than the center.
- (3) Bind the bag end by the string sewed in the bag.

b. Way of fixture orexpansion/contraction for the long handle.

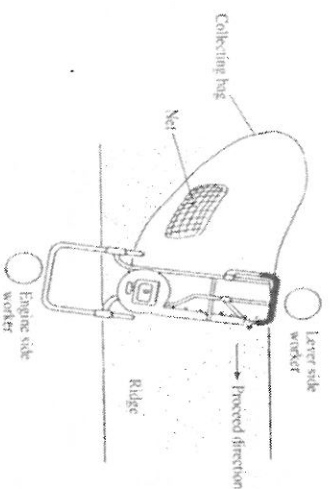
When the handle fixing nut is turned, the long handle is fixed. In case of expansion and contraction, put the arrow mark together on the slide fixture and on the fixture nut.

c. Working condition

The worker in the engine side had better proceed slightly behind the worker in the lever side.

CAUTION: Generally speaking, high speed drive can get a high capacity and good figure after plucking.

But high speed drive consumes more fuel and decreases machine life. Therefore, avoid high speed drive as possibly as you can.



NOTE: With the HT-Salad do not allow cuttings to gather around fan casing or its plastic mesh. This can lead to ingestion of cuttings, clogging the cooling air to the engine and engine seizure!

If cuttings do gather at plastic mesh, stop the power head and clear cuttings away immediately!

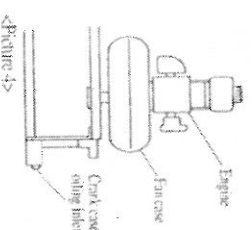
The air tube fitted across the front of the harvester, has a bung at the small end. This can be removed allowing any rubbish to be blown out.

4. MAINTANANCE AND CHECKING

(1) Oiling Baridan Blades

These move at high speeds and require oiling every 1-2 hours.

CAUTION: Wipe off excess oil before starting machine.



(2) Greasing Crank case

Use grease gun or remove grease nipple and use Ochial grease tube.

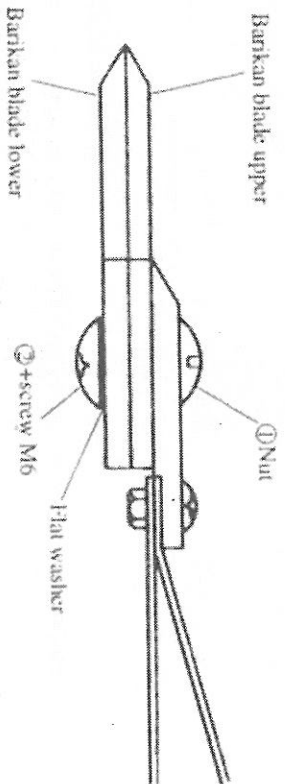
Grease every 20 hours

Add grease until old grease appears at blade in front of crank case.

CAUTION: Use OCHIAL original grease. Other types may be of lower standard.

b. Clearance adjustment of Barikan blades

Barikan blades do wear after use.
If results in plantation are poor adjust blades as follows.



- (1) Loosen Nut (1).
- (2) Tighten (2) lightly and turn back $\frac{1}{2}$ - $\frac{3}{4}$ using plus driver.
- (3) Tighten Nut (1).
- (4) After adjustment coat Barikan blades with lubricating oil
- (5) Start engine run blades for a minute at top speed
- (6) Check the temperature. Stop engine and immediately touch nut

(1) If temperature moderate, clearance is normal, If temperature is too hot to touch nut (1), turn back (2) a little and repeat step 5 to check adjustment

CAUTION: adjust only when engine stops

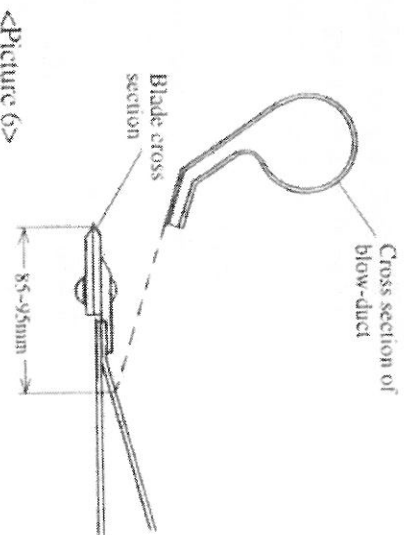
If dust can be found in the slots in the circumference of Barikan blades wipe it out completely

c. Blow-duct

Blow-duct must be correctly aligned.

If duct is knocked align it as per illustration.

CAUTION: If blow duct left misaligned, its shape and direction will be changed, Never leave it misaligned.



d. Cleaning blow line

Cleaning of blower

If dust accumulates in fan inlet, blow capacity is reduced.
Remove fan cover in the bottom of fan case and remove dust.

Cleaning of blow-duct.

The narrow section of the blow duct will have dust inside, clean it by removing white rubber cap in duct end.

e. Engine side

(1) Check for damage on each section of the engine, loose screws and fuel leaks.

(2) If a fault is found, stop the cutter, and contact the outlet from which the cutter was purchased. When replacing parts, they must be replaced with those designated by Ochiai.

(3) Remove the air cleaner cover and clear clogged leaves and twigs.

(4) Remove air cleaner element, wash it with composite fuel, squeeze it firmly, and then put it back in original place.

(5) Remove the plug and clean the electrodes with wire brush.

7. PROBLEMS ON PLUCKING MACHINE

5. CAUTION WHEN HANDLING

- Do not give a heavy shock during transport.
- The rubber and plastic section of the machine are damaged by thinner and petrol.
- Never use this machine for jobs other than what it was designed for..
- Caution when engine running
 - Do not place hands or clothes by air inlet.
 - Even if clutch is disengaged, never touch Barikan blades, pulley, v-belt etc
 - Do not touch spark plug cap or lead wire connector
 - Engine and muffler are hot never touch them. They take a long time to cool.
 - Don't add fuel when engine is running.

6. STORING

- Service as per 4 Maintenance and checking.
- Drain all fuel from fuel tank and carburettor.
- Check and tighten any loose screws.
- Keep in a dry dark place after wiping completely and coating Barikan Blades with lubricant.

Conditions	Causes	Procedures
Plucked style is not good.	<ol style="list-style-type: none"> Slow movement of blade Clearance between upper and lower blade is wider Direction of blowduct is not correct. 	<ol style="list-style-type: none"> Engine speed up. Adjustment of 4 b. Adjustment of 4 c.
Capacity is not enough. Leaf stops up inside machine.	<ol style="list-style-type: none"> Less blow capacity. Direction of blowduct is not correct. Dust accumulates in blow-line Bottom frame surface becomes dirty. 	<ol style="list-style-type: none"> Engine power up. Adjustment of 4 c. Adjustment of 4 d. Clean up with wet cloth.
Slow movement of Barikan blade	<ol style="list-style-type: none"> Lack of lubricant on blades Lack of lubricant inside crank case. Dust between blades or long holes. Blade clearance is too tight. 	<ol style="list-style-type: none"> Do oiling 4 a(1). In case of slightly lack, do oiling 4a (2). Remove dust. Adjustment of 4 b.
Problem of clutch on, off.	<ol style="list-style-type: none"> Clutch cable is away from fixture. Lack of clutch adjustment. V-belt is released from right position. Damage of V-belt. 	<ol style="list-style-type: none"> Fix cable. Adjust by screw in the middle of cable. Put V-belt in right position. Replace with new belt.

8. PROBLEMA ON ENGINE

In case of problem on engine, confirm the following adjustment.

- (1) Fuel
New fuel, dust-free fuel has correct mix ratio.
 - (2) Fuel piping and carburetor.
– No damage in fuel pipe.
– No leakage from fuel pipe.
– Clean carburetor inside.
 - (3) Spark plug
No dust on plug.
Clearance between electrodes is 0.6-0.7 mm.
 - (4) Electric wiring outside of engine
No breakage on lead wire connection plug.
 - (5) Abnormal on stop button.
Confirm by starting engine after putting of connecting plug of stop button.
(In this case, do not touch lead wire plug in engine side.)
- CAUTION:** Adjustment inside carburetor has been made before shipment. Do not adjust by yourself.

9. Specifications

Model	V8-NewZ ₄ (D) (850)	V8-NewZ ₄ (D) (1000)	V8-NewZ ₄ (D) (1070)	V8-NewZ ₄ (D) (1140)	V8-NewZ ₄ (D) (1210)
Clipping width (Arc shape)	860mm	1,000mm	1,070mm	1,140mm	1,210mm
Arc diameter of clipping blade	1,150mm	←	←	←	←
Clipping speed	1,700c.p.m	←	←	←	←
Machine length	490mm	←	←	←	←
Machine width (minimum)	1,140mm	1,280mm	1,350mm	1,420mm	1,490mm
Machine width (maximum)	1,910mm	2,050mm	2,120mm	2,190mm	2,260mm
Machine height	500mm	←	←	←	←
Weight	11.5kg	11.9kg	12.3kg	12.6kg	13.0kg
Engine	Two-cycle single cylinder (41.5cc)				

The above specifications are for machines that use a diaphragm type carburetor, and are subject to change.