

AGRIMATE INTERCULTIVATOR/POWER WEEDER AM-MPTC-1100-9D



Dear Customer,



Thank you for choosing an Agrimate product. We sincerely appreciate your trust in our brand and are delighted to welcome you to the Agrimate family. You are now the proud owner of a technologically advanced, durable, and high-performance agricultural machine designed to deliver reliable operation, higher efficiency, and long service life.

We trust that our authorised Franchisee/Dealer has properly installed the machine and explained the operating procedures, safety precautions, maintenance guidelines, and service instructions. We kindly request you to carefully read this manual before operating the machine to ensure safe usage and optimum performance.

For your future requirements, please contact only our authorised Franchisee/Dealer network for genuine spare parts, accessories, consumables, and professional service support. Using genuine parts and authorised service helps maintain the efficiency, safety, and durability of your machine.

Service coupons are attached with this manual. You may avail the scheduled free services through our authorised service centres to keep your machine in excellent working condition and ready for use whenever required. Regular maintenance and timely servicing will ensure better productivity and trouble-free performance.

About Ratnagiri

Ratnagiri Impex Pvt. Ltd.

An ISO 9001:2015 certified company engaged in the import, distribution, and marketing of a wide range of high-quality agricultural equipment and machinery. With decades of experience in serving the farming community across India, we are committed to promoting agricultural mechanisation through innovative and farmer-friendly products.

Our wide product range includes sprayers, brush cutters, power weeders, chain saws, lawn mowers, water pumps, intercultivators, garden tools, and various agricultural and horticultural equipment. Through our extensive network of authorised franchisees and dealers across India, we provide quality products, reliable after-sales service, technical guidance, and customer support.

We thank you once again for choosing Agrimate and assure you of our best services and continued support at all times.

For more details, please visit: www.agrimart.in

Customer Support / Missed Call: 7393 938 938

CHAPTER I SAFETY OPERATION INSTRUCTION

1.1 Training

- a. Read the instructions carefully. Be fully familiar with all control mechanisms and proper use of machines.
- b. Children are never allowed to use machines. Never allow an adult to use the machine without reading the instructions.
- c. Keep work areas empty, especially children and pets.

1.2 Preparations

- a. Thoroughly inspect the area where the machine will be used and remove all debris
- b. Before starting the engine, disengage all clutches and put them in neutral gears.
- c. Wearing non-slip shoes will improve the stability of standing on slippery surfaces.
- d. Handle the fuel carefully, it is flammable. Use appropriate containers for fuel storage.
- e) When the engine is running or heating, do not add fuel to the fuel tank.
- f) Refueling should be done outdoors with special care, and refueling indoors is prohibited.
- g) Before starting, tighten the fuel tank cap and wipe the spilled fuel.
- h. No adjustments shall be made while the engine is running (except for special adjustments recommended by the Manufacturer)
- i. Safety goggles should be worn during any maneuvering, such as preparation, operation and maintenance.

1.3 Maneuvering

- a. Hands and feet should not be near or placed under rotating parts
- b. Special care should be taken when operating on (or across) gravel pavements, sidewalks or highways, alert to potential dangers, pay attention to traffic conditions, and do not carry passengers.
- c. After hitting the debris, stop the engine and comprehensively check whether the machine is damaged. If the damage is repaired, it can be restarted and operated.
- d) Always watch your step to avoid slipping or falling.
- e. Once the machine occurs abnormal vibration, the engine should be stopped immediately to find the cause, vibration is usually the cause of failure.
- f. When leaving the control position, the engine should be stopped before cleaning the blade clog, and for maintenance, adjustment or inspection.
- g. When the machine is unmanned, all possible precautions should be taken: detach the clutch, lower the attachment, Shifting in neutral gear and stop the engine, and unplug the switch key.
- h. Before cleaning, repairing or inspecting the machine, the engine should be stopped and all rotating parts should be confirmed to be stopped.
- i. The exhaust gas from the engine is harmful, do not operate indoors.
- j. Do not operate the machine without proper guards, shields or other protective devices.
- k. Keep away from children and pets, Do not overload the machine due to deep ploughing and fast speed.
- l. The machine must not run at high speed on slippery surfaces. Look behind you and be careful when going backwards.
- m. No bystanders are allowed to approach the machine while it is in running.

2. Illegally assembled or modified is not allowed.

Personnel conditions

1. Operators should be trained in safe operation and master all the safe operation skills.
2. Operators with long hair should curl their braids and wear a work cap.
3. When the operator is operating the machine, the clothes, cuffs and pants should be tied tightly to avoid being entangled.
4. Persons with any of the following circumstances shall not operate the machine:
 - Suffering from diseases that hinder safe operation.
 - Drinking alcohol or using psychotropic drugs or narcotics controlled by the Government.
 - Pregnant women, minors and those without full capacity for action;

Conditions of use

1. The distance between the machine and the non-operator should not be less than 5m
2. The slope of the field working direction should not be greater than 5°
3. The surface of the field should be flat, and the ploughing layer should be free of stones and debris.
4. Greenhouses and solar greenhouses should be well ventilated
5. Good sight.

Starting-Step 1

1. It should be checked according to the safety requirements of the operation manual, and confirm that the safety technology of each component is in good condition.
2. Before starting, the gear shift lever should be in neutral position, the power transmission between the engine and the gearbox should be in a separated state, and the throttle switch should be in the starting position.
3. Before starting the operation, the operator should correctly install the plow blades, drag bar and other working parts, and confirm the effectiveness.
4. The operator's body should avoid contact with dangerous parts such as rotation, movement and high temperature.

Starting-Step 2

1. Before starting, Idle running (Shifting rod in neutral position) should be carried out according to the requirements of the instruction manual, and it can be started after confirming safety.
2. Ensure all the throttle switch, clutch and other parts of the machine are flexible and reliable, the rotating parts rotate without stuck, and the automatic return handle can be returned to normal before starting.
3. The automatic blade stop device shall not be controlled by means other than manual control.
4. If the machine with a steering mechanism, the left and right steering clutches should be in an engaged state.

Working in field

1. When working on sloping land, it should work in the direction of uphill and downhill.
2. Before using reverse gear, stop the machine and remove the resistance rod, and ensure safety before operation.
3. Stop the engine before removing dirt, weeds, and other debris from the blade.
4. When the plow blades fall into the soil and cannot move forward, the engine should be stopped and dealt with manually.
5. When the operator leaves the operating position, the engine should be stopped and the switch key unplugged.
6. The operator shall not be tired, and the engine shall be stopped when resting.
7. To change the operator during the operation, the gear shift lever should be placed in neutral to confirm that the power transmission is separated between the engine and the gearbox.

Transfer

1. Before transfer, the engine should be stopped and replaced with the walking wheels.
2. In the case that the height of the ridge or the width and depth of the ditch are greater than the maximum turning radius of the plow blades, the engine should be stopped and carried by manpower.
3. When transferring through the road, you should comply with road traffic safety regulations and maintain a safe distance from other vehicles and pedestrians
4. The intercultivator/Power weeder is not allowed to carry people or goods.

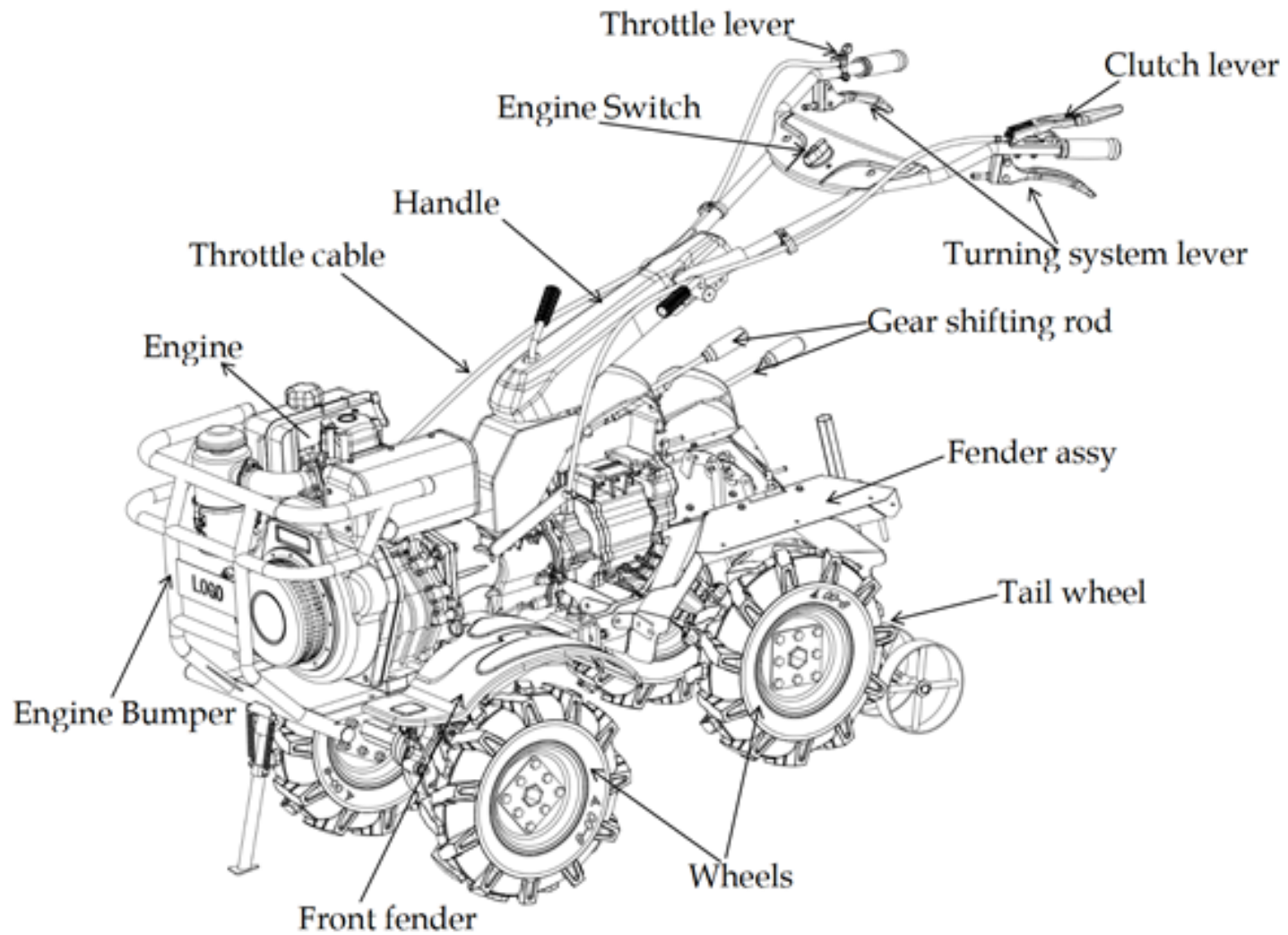
Shutdown inspection

1. When the machine encounters one of the following situations, it should be stopped immediately for inspection?
- The ploughing blades are entangled with grass and sticky mud seriously.
 - Abnormal engine or transmission gearbox sound .
 - Abnormal engine speed increase, throttle control failure.
 - Other anomalies.

CHAPTER III SAFETY WARNING SIGNS



CHAPTER V STRUCTURE DIAGRAM



CHAPTER VI OPERATION AND USE METHODS

Assembly after unpacking

1. Walking wheel (driving wheel) installation: fix the main machine to install the walking wheels at both sides of the walking wheel shaft, and fix it with pins and R pins.
2. Blades installation: One set of blade is including left side and right side. The blades shaft is installed onto the gearbox power output shaft, and fixed with pin and R pin.
3. Installation of the armrest: Connect the armrest assembly to the mounting hole of the armrest bracket, and fix the mounting bolts and nuts.
4. According to the user's requirements for the function usage, select the corresponding mudguard. Align the mudguard with the bolt holes of the mudguard bracket, then install the bolts and tighten them.
5. Assembly of the tail wheel: Install the fixed rod of the tail wheel in the corresponding mounting seat, and fix it with the handle.

Installation and adjustment of control mechanism

1. Adjustment of clutch lever.

- ① Loosen the lock nut on the screw.
- ② Turn the screw clockwise until the exposed screw hole is shortest.
- ③ Hang the cable hook into the clutch arm hole.
- ④ Push the screw through the cable holder (see Figure 2) and tighten it with the nut. Properly press down the clutch arm and connect the spring on the cable with the clutch arm.
- ⑤ Pull out the screw and repeatedly grip and release the clutch handle until the spring force in the clutch can reset the handle (the grip force is appropriate, generally not more than 25N), and then tighten the lock nut.

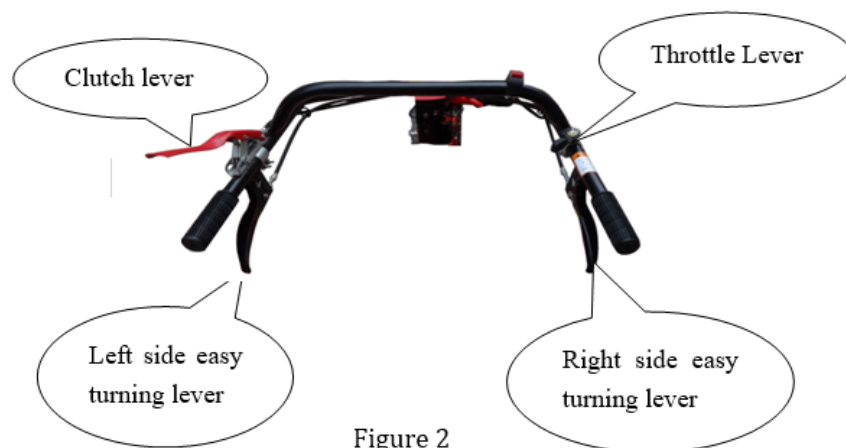


Figure 2

2. Adjustment of throttle switch and cable (see Figure 2)

- ① Set the throttle switch in the minimum position.
- ② Thread the wire rope in the throttle cable through the threading post and fixing seat above the engine throttle adjustment plate.
- ③ Tighten the steel rope and tighten the fastening bolts on the fixing base.
- ④ Adjust the throttle switch repeatedly until the throttle handle on the throttle adjustment plate can reach the maximum or minimum position.

3. The use of shifting rods

- 1 This machine has two gear levers (one is walking gearbox shift lever, the other is working gearbox shift lever), select the gear according to the need (see Figure 4).
- 2 According to the demand, the working shift lever is placed in neutral gear, and the walking shift lever is placed in slow gear or fast gear, and the machine can walk without blades turning.
- 3 Before starting the machine, please put the walking gear shift lever and the working gear shift lever both in neutral.
- 4 According to the demand, the shift lever can be placed in the reverse position to make a trench and lifting the soils.

Check and refueling

1. Check whether the connecting bolts are loose and tighten them. engine bolt and nut tightening torque refer to the engine manual.
2. Check whether the operation of the control system handle (throttle, clutch, gear) is flexible and in place, if any, eliminate it one by one.

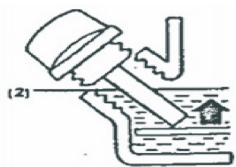


Figure 3

Put the transmission gearboxes shift lever in neutral position.

4. Add lube oil into engine crankcase. Please position the engine horizontally.

1) Turn the engine oil dipstick and wipe it clean.

2) Insert the dipstick into the filling hole (no need to screw in).

3) Take out the dipstick and check the oil level. The oil level should be between the upper and lower limits of the dipstick.

4) engine crankcase must use CC grade above gasoline engine special lubricating oil, oil viscosity: in the summer (above 20°C) use SAE30; Spring and Autumn (10°C-20°C) SAE20; In winter (below 10°C), SAE10W-30 is used.

Diesel engine crankcase must use CD grade or above special lubricating oil, oil viscosity: SAE10W-30 is used

5. Add SAE5W-30 cold area and SAE15W-30 hot area lubricating oil into Machine gearbox. Place the machine horizontally and fill it through the oil hole above the gearbox. When checking the oil level, insert the dipstick (note: do not rotate the dipstick), the oil level should be between the upper and lower limits of the dipstick (see Figure 3).

6. Add oil to the air filter. Remove the lower cover of the air filter and add about 0.1L SAE15W-40 oil.

7. Fill up the fuel. Fill the engine tank with Fuel (Gasoline engine fill petrol, Diesel engine fill diesel). The amount of refueling must not exceed the limit of refueling.

8) Prepare for starting according to engine instructions.

Start

The shift lever/rod must be in neutral gear(0), both Front/walking gearbox and Rear/Working gearbox before start the engine.

1 Start the engine according to the steps specified in the engine operating instructions.

2 The engine should run at idle speed 1500rpm-1800rpm without load for 2 to 3 minutes.

3 Check whether the engine is running normally, if not, should stopped.

Operating

Warning Machine must be run-in before operation.

1、Gears as shown (Figure 4) :

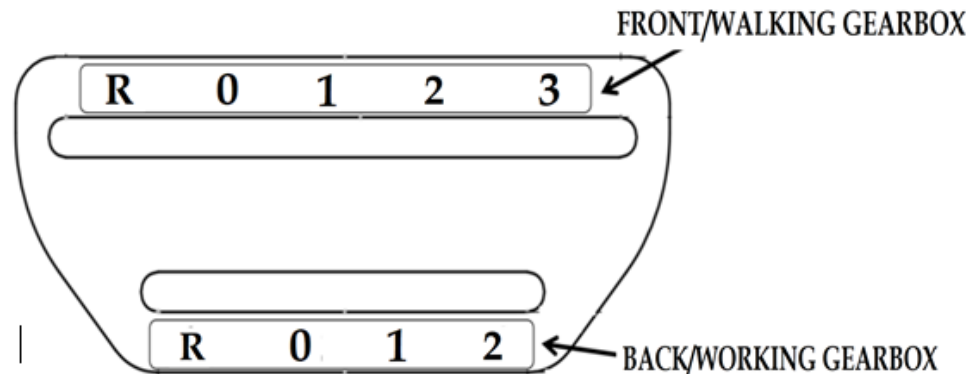


Figure 4

2.Front/Walking Gearbox:

Slow gear (1): Release the clutch handle, place the shift rod/lever in the slow gear (1) position, and pay attention to whether it is in place properly, slowly grip the clutch handle, make the clutch engage, increase the throttle with your right hand, and the machine can walk at the slow speed.

Medium gear(2): Release the clutch handle, put the shift rod/lever in the Medium gear (2) position, and pay attention to whether it is in place properly, slowly grip the clutch handle, make the clutch engage, increase the throttle with your right hand, and the machine can walk at the Medium speed.

Fast gear(3): Release the clutch handle, put the shift rod/lever in the Fast gear (3) position, and pay attention to whether it is in place properly, slowly grip the clutch handle, make the clutch engage, increase the throttle with your right hand, and the machine can walk at the fast speed.

Reverse gear(R): Release the clutch handle, put the working/back gearbox shift lever/rod in Neutral position, and put the walking gearbox shift lever/rod in reverse gear(R) , and pay attention to whether it is in place properly, slowly grip the clutch handle, so that the clutch is engaged, and the machine begins to walk backwards (In this situation Ditching and soil lifting blades will not rotating).

When gear shifting required during the walking process, the engine throttle should be reduced first, (as long as the engine does not stalled) and then released the clutch lever and make the clutch is separated, the machine will stop walking and then shift the gear as demand)

⑤ Handrail direction change , Losen the handle lock pin and nut turning the handrail to left or right or up or down as per need.

Rear/Working Gearbox

① Released clutch handle/lever, put the Front/walking gearbox shift lever/rod in the slow gear (1) or Medium gear(2) or Fast gear(3) position, and pay attention to whether it is in place properly, put the Rear/working shift lever in the reverse gear position (R) properly, slowly grip the clutch handle, make the clutch is engaged, properly increase the throttle switch with your right hand, and the machine will perform soil lifting/ditching at at the slow (1) or Medium gear(2) or Fast gear(3) walking speed.

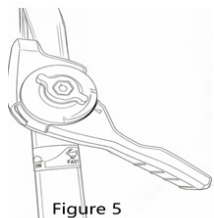
② Released clutch handle/lever, put the Front/walking gearbox shift lever/rod in the slow gear (1) or Medium gear(2) or Fast gear(3) position , and pay attention to whether it is in place properly, put the Rear/working shift lever in the gear(1) or gear (2) position properly, slowly grip the clutch handle, make the clutch is engaged, properly increase the throttle switch with your right hand, and the machine will perform Culti-vating at the slow (1) or fast (2) speed.

Stop the machine

① .Release the clutch handle/lever so that the clutch is disengaged.

② .Put the shift lever/rod in neutral.

③ .Set the throttle switch to the minimum and turn off the engine switch (Gasoline engine only) to stop the machine (see Figure 5).



Note: The machine should be parked on the flat ground to prevent the machine from slipping

The use of the attachments:

1?The connection of the cage wheels: remove the walking wheels and replace it with the cage wheel. Fix axially with small pin. Note that the driving wheel is divided around, and after installation, it should be ensured that the blade surface contacts the soil when the machine moves forward, and the blade mouth cannot contact the soil first.

2?Blades connection: Select the blades as demand. Fix axially with small pin. After installation, ensure that the blades sharp edge is in the rotating direction, and the cutting/sharp edge of the blade contacts the soil first.

Precautions

1?During use the machine, attention should be paid to the working conditions and sound of each part, check whether the connection of each part is normal, and no loosening is allowed. If any abnormal situation is found, it should be stopped for inspection and exclusion.

2?It is not allowed to carry out heavy load work immediately after the cold starts, especially for new products or products after overhaul.

3?Pay attention to check the lube oil volume of the engine and transmission gearbox, and replenish the lube oil immediately when insufficient.

4?It is forbidden to water the engine to cool it.

5?The tilling of machinery should be prevented.

6?In order to be safe and not damage the road surface, it is strictly prohibited to rotate the plow blades during the machine transfer.

7?After use, attention should be paid to removing the dirt, weeds and oil attachments on the machine to keep the machine clean.

8?Clean the spongy body or steel mesh in the air-filter frequently, and change the oil.

CHAPTER VII MAINTENANCE METHODS

Engine maintenance please refer to the engine manual.

During the operation, due to changes in operation, friction and wear and load, connection bolts may become loose and parts may wear. Cause the engine power to decrease, fuel consumption to increase, it seriously affect the normal use of the machine. In order to reduce the occurrence of the above situation, it is necessary to strictly and regularly do maintenance work to maintain the good technical state of the machine and extend its service life.

Running-in

1?Please refer to the operating manual book for engine running-in.

2?New or overhauled machines should be operated for 1 hour under no-load conditions. drain all lubricating oil in the gearbox and engine crankcase immediately after 5 hours of operation under light load. After add new lubricating oil and running in another 4 hours, it can be put into normal farming .

??Air filter maintenance

Air filter too dirty or damaged will cause carburetor (Gasoline engine only) and engine failure, should be regularly maintained air filter. If the engine is used in a dusty environment, the maintenance frequency should be increased .

Attention! Failure to run the engine without an air filter will result in engine damage.

1.Open the cover of the air filter and take out the Spongy /steel mesh /paper filter element?

2.Remove dust in the Spongy /steel mesh /paper core and pay attention to prevent damage to the Spongy /steel mesh /paper filter core.

3.Reinstall the filter element and install the air-filter cover in properly.

4.In the oil cup of the air-filter, 10 ml of oil must be kept.

Machine maintenance

1.Maintenance for each shift (before and after each shift).

a.Listen and observe each part for abnormal phenomena (such as abnormal noise, overheating, loose screws, etc.)

b.Check engine and gearbox if oil leakage is there.

c.Check the engine crankcase and transmission gearbox Lubricating oil levels are in between the upper and lower limited of the dipstick.

d.Remove dirt, weeds and oil stains on the machine and accessories in time .

2.Level 1 maintenance (Each 150 hours working time)

a.Complete all the maintenance contents of each shift .

b.Clean the gearbox and change the oil.

c.Check and debug clutch and shift system.

Level 2 maintenance (Each 800 hours working time).

a.Carry out the full contents of maintenance of Level 1 (Each 150 hours working time).

b.Check all gears and bearings, if serious wear, please replace with new parts.

c.The remaining parts of the machine, such as blades or connecting bolts, should be replaced with new parts if damaged.

4.Technical maintenance was required (Each 1500-2000 hours working time).

a.Go to the local special maintenance station to disassemble the whole machine, clean and check, and the parts with serious wear must be replaced or repaired as appropriate.

b.Ask professional maintenance personnel to check the friction disc, clutch.

5.Engine maintenance, please follow the engine operating instructions.

When the machine needs to be stored for a long time, in order to prevent rust, the following measures should be taken.

1.Clean exterior dust and dirt.

2.Mothballed engine according to engine operating instructions.

3.Drain the lubricating oil from engine and gearbox, and add new oil.

4.Apply anti-rust oil to unpainted areas on non-aluminum alloy surfaces.

5.Store the machine indoors in a ventilated, dry and safe place. Keep the tools, product certificates and operating instructions properly.

CHAPTER VIII ADJUSTMENT METHODS

Clutch cable adjustment method

After the machine is used for a certain time, the clutch performance is poor due to the wear of the friction plate and the wear of the clutch fork, that is, the clutch cable should be debugged, the method is referred to in Chapter VI.

1. Grip and release the clutch handle 2 or 3 times to confirm the clutch situation. If it is not normal, it should be re-debugging.
2. If the repeated debugging can not be solved, you can confirm that the clutch fork or friction plate wear too much, at this time should go to the special maintenance point to replace the new friction plate or clutch fork.
3. It is strictly forbidden to disassemble the clutch without permission to prevent damage to the clutch and other parts.

Throttle cable adjustment method

When the throttle switch is turned, the engine acceleration or deceleration performance is poor, that is, the throttle cable should be adjusted, the method is referred to Chapter VI. Repeatedly turn the throttle switch 2 to 3 times, and confirm the engine acceleration and deceleration performance.

Adjustment of handrail holder

According to your height and special requirements such as farming and agronomy, the handrail holder can be adjusted up and down. Hold the adjusting handle/lever tightly, adjust the armrest up, down, left, and right as needed, and release the adjusting handle/lever to fix the armrest.

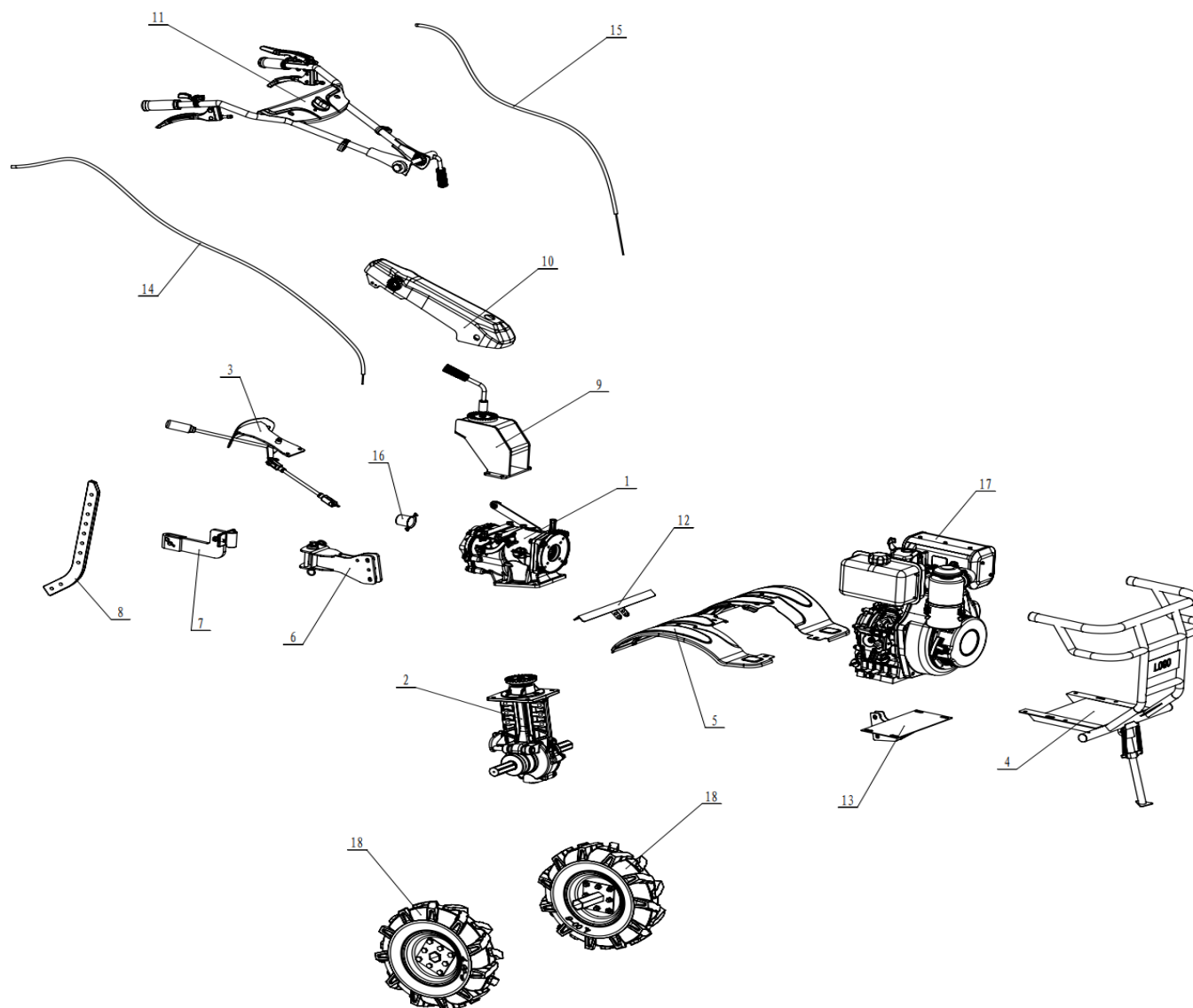
CHAPTER TROUBLE SHOOTING

Clutch failure and Elimination. (Do not disassemble the clutch assembly by yourself, please contact our company or the seller if there is a failure.)

Occurrence	Cause	Elimination method
Clutch not work	Clutch handle failure	Repair or replace
	The clutch cable is damaged	Replace
	The fork is not adjusted properly	Readjust or replace the fork
	The fork shaft and shift arm fall off at the welding point	Repair or replace
	The fork pin is bent or broken	Replace the fork pin
	Friction plate failure	Replace
	Spring failure	Replace
	The friction disc set <u>cannot touch</u> the bearing face inside the clutch housing	Add appropriate adjustment pad on the bearing back side
	Clutch inner bearing burned out	Replace and pay attention to lubricating oil in the gearbox
Skidding (Holding grip of the clutch lever)	Spring fatigue failure	Replace
	The fork shaft fails to <u>rotate</u> and the fork is not completely reset	Clean the joint surface of the locating pin and the pusher plate to make it resilience flexibly

TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

FRONT CENTER ROTARY WEEDER ASSY - TA

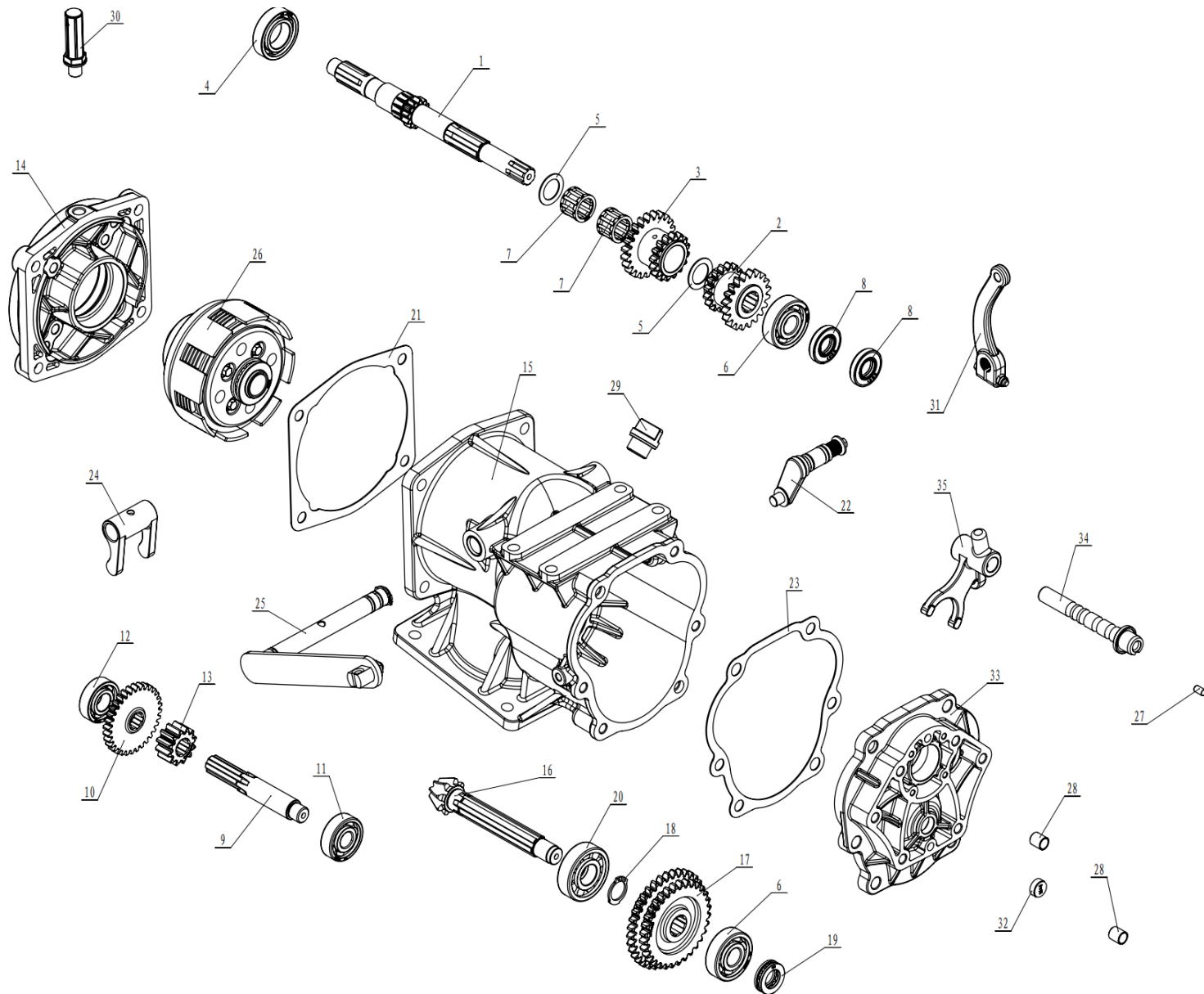


TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TA-01	Front Gearbox Assy	11	AM-MPTC-1100-9DC-TA-11	Handle bar Assy
2	AM-MPTC-1100-9DC-TA-02	Front Lower gearbox assy	12	AM-MPTC-1100-9DC-TA-12	Front gearbox fender fixing bracket
3	AM-MPTC-1100-9DC-TA-03	Front gearbox gears shifting assy	13	AM-MPTC-1100-9DC-TA-13	Engine support bracket
4	AM-MPTC-1100-9DC-TA-04	Big bumper	14	AM-MPTC-1100-9DC-TA-14	Throttle cable Assy
5	AM-MPTC-1100-9DC-TA-05	Front gearbox fender assy	15	AM-MPTC-1100-9DC-TA-15	Clutch cable Assy
6	AM-MPTC-1100-9DC-TA-06	Drag parts assy	16	AM-MPTC-1100-9DC-TA-16	Main shaft cap
7	AM-MPTC-1100-9DC-TA-07	Drag parts connecting part	17	AM-MPTC-1100-9DC-TA-17	Diesel engine assy
8	AM-MPTC-1100-9DC-TA-08	Grag bar	18	AM-MPTC-1100-9DC-TA-18	400-8 inner tube tyre Assy
9	AM-MPTC-1100-9DC-TA-09	Handle armrest assy			
10	AM-MPTC-1100-9DC-TA-10	KAMA handle armrest assy			

TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

FRONT UPPER GEARBOX -TB

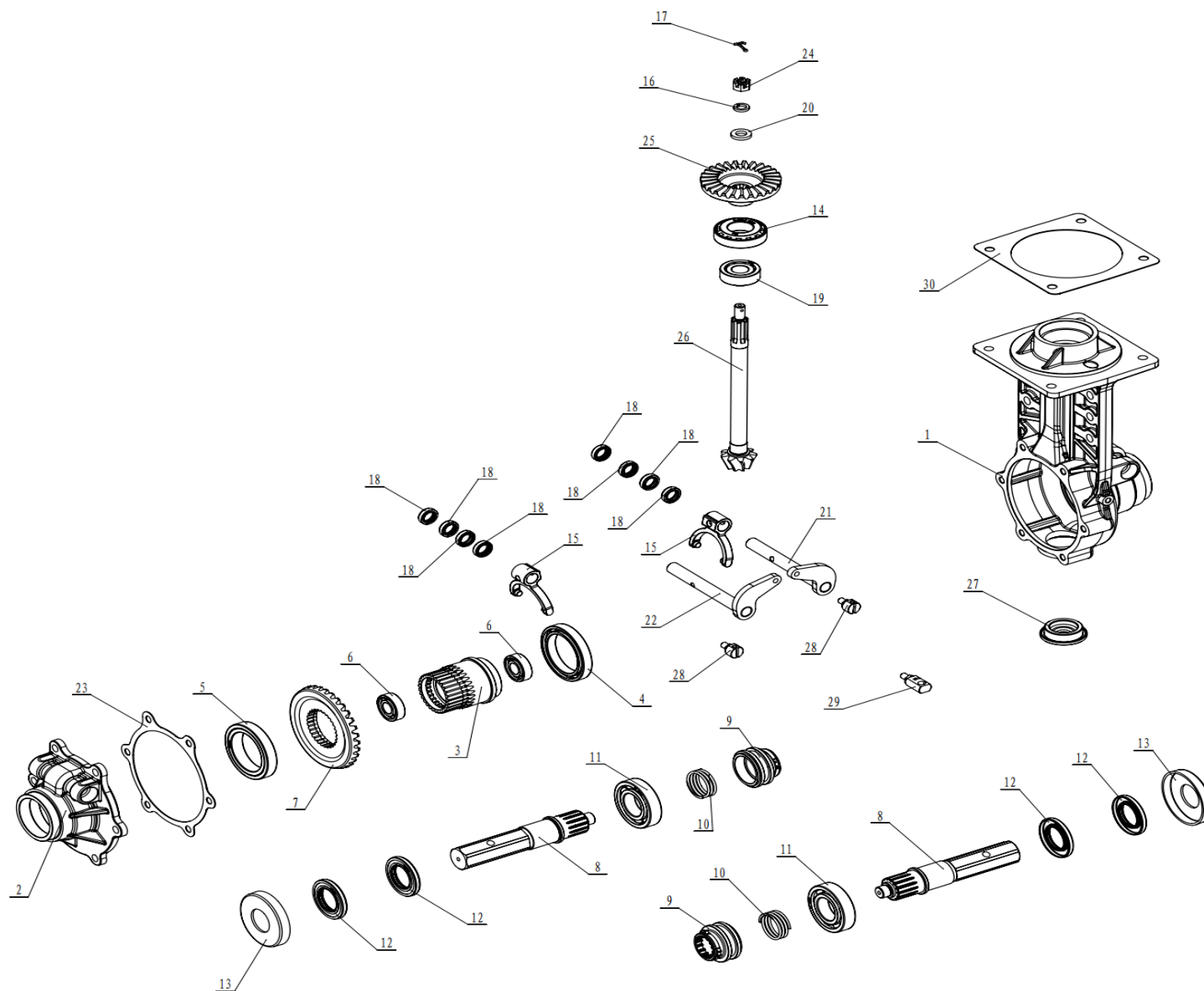


TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TB-01	Main shaft	19	AM-MPTC-1100-9DC-TB-19	thrust ball bearing
2	AM-MPTC-1100-9DC-TB-02	Main shaft 2, 3 Dual gear	20	AM-MPTC-1100-9DC-TB-20	Cylindrical roller bearing
3	AM-MPTC-1100-9DC-TB-03	Main shaft 1 gear	21	AM-MPTC-1100-9DC-TB-21	Flange paper gasket
4	AM-MPTC-1100-9DC-TB-04	Deep groove ball bearing	22	AM-MPTC-1100-9DC-TB-22	Gear shifting fork shaft
5	AM-MPTC-1100-9DC-TB-05	Wear-resistant washer	23	AM-MPTC-1100-9DC-TB-23	Rear cover paper gasket
6	AM-MPTC-1100-9DC-TB-06	Deep groove ball bearing	24	AM-MPTC-1100-9DC-TB-24	Clutch fork
7	AM-MPTC-1100-9DC-TB-07	Needle roller bearing with inner ring	25	AM-MPTC-1100-9DC-TB-25	Clutch arm (Streight
8	AM-MPTC-1100-9DC-TB-08	TC Skeleton Oil Seal	26	AM-MPTC-1100-9DC-TB-26	Clutch assy
9	AM-MPTC-1100-9DC-TB-09	2nd shaft	27	AM-MPTC-1100-9DC-TB-27	Locating pin
10	AM-MPTC-1100-9DC-TB-10	2nd shaft driven gear	28	AM-MPTC-1100-9DC-TB-28	Locating pin
11	AM-MPTC-1100-9DC-TB-11	Deep Groove Ball Bearing	29	AM-MPTC-1100-9DC-TB-29	Oil plug
12	AM-MPTC-1100-9DC-TB-12	Deep Groove Ball Bearing	30	AM-MPTC-1100-9DC-TB-30	Gearbox breathing plug
13	AM-MPTC-1100-9DC-TB-13	2nd-axis reverse gear	31	AM-MPTC-1100-9DC-TB-31	Gear shifing rob arm
14	AM-MPTC-1100-9DC-TB-14	Flange/Aliminium	32	AM-MPTC-1100-9DC-TB-32	Oil seal
15	AM-MPTC-1100-9DC-TB-15	Front upper gearbox/ Aluminium	33	AM-MPTC-1100-9DC-TB-33	Rear cover /Aluminium
16	AM-MPTC-1100-9DC-TB-16	Main bevel shaft	34	AM-MPTC-1100-9DC-TB-34	Fork
17	AM-MPTC-1100-9DC-TB-17	Gear shifting gear	35	AM-MPTC-1100-9DC-TB-35	Gear shifting Fork
18	AM-MPTC-1100-9DC-TB-18	Bevel shaft clip/B type			

TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

FRONT LOWER GEARBOX - TC

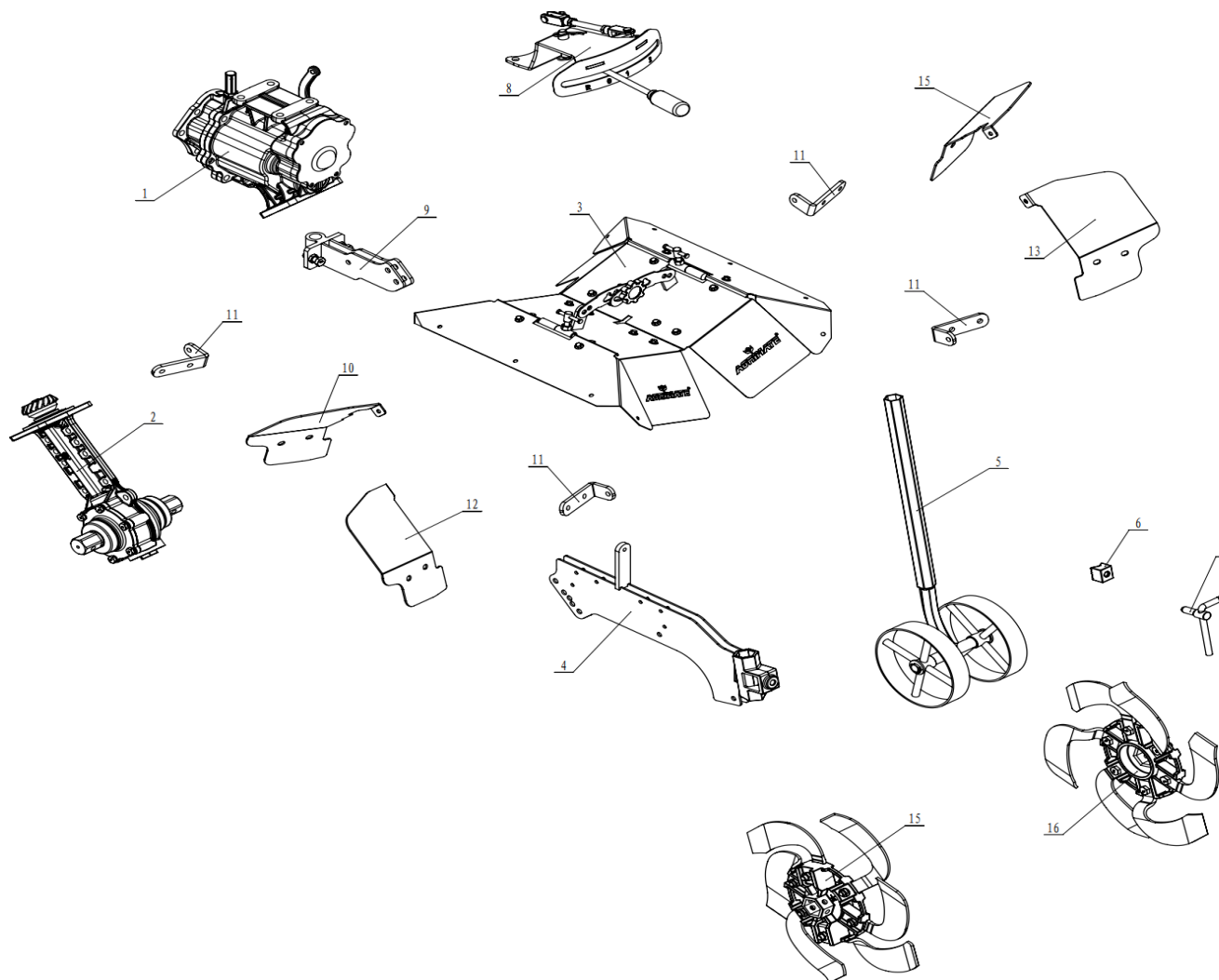


TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TC-01	Lower gearbox housing(long with Easy turning system)	16	AM-MPTC-1100-9DC-TC-16	Spring washer
2	AM-MPTC-1100-9DC-TC-02	Side cover	17	AM-MPTC-1100-9DC-TC-17	Cotter pin
3	AM-MPTC-1100-9DC-TC-03	Steering sleeve	18	AM-MPTC-1100-9DC-TC-18	TC Skeleton Oil Seal
4	AM-MPTC-1100-9DC-TC-04	Deep groove ball bearing	19	AM-MPTC-1100-9DC-TC-19	Cone roller bearing
5	AM-MPTC-1100-9DC-TC-05	Cone roller bearing	20	AM-MPTC-1100-9DC-TC-20	Flat washer
6	AM-MPTC-1100-9DC-TC-06	Deep groove ball bearing	21	AM-MPTC-1100-9DC-TC-21	Steering clutch lever assembly / right
7	AM-MPTC-1100-9DC-TC-07	Steering driven bevel gear	22	AM-MPTC-1100-9DC-TC-22	Steering clutch lever assembly / Left
8	AM-MPTC-1100-9DC-TC-08	Steering shaft	23	AM-MPTC-1100-9DC-TC-23	Steering side Cover paper gasket
9	AM-MPTC-1100-9DC-TC-09	Steering shaft sleeve	24	AM-MPTC-1100-9DC-TC-24	Hexagonal slotted nut
10	AM-MPTC-1100-9DC-TC-10	Returning spring	25	AM-MPTC-1100-9DC-TC-25	Front rotary driven bevel gear
11	AM-MPTC-1100-9DC-TC-11	Deep groove ball bearing	26	AM-MPTC-1100-9DC-TC-26	Steering main bevel gear
12	AM-MPTC-1100-9DC-TC-12	TC Skeleton Oil Seal	27	AM-MPTC-1100-9DC-TC-27	Gearbox lower cap
13	AM-MPTC-1100-9DC-TC-13	Oil seal cover	28	AM-MPTC-1100-9DC-TC-28	Cable clip
14	AM-MPTC-1100-9DC-TC-14	Cone roller bearing	29	AM-MPTC-1100-9DC-TC-29	Reverse gear cable clip
15	AM-MPTC-1100-9DC-TC-15	Steering clutch fork	30	AM-MPTC-1100-9DC-TC-30	Aluminium gasket for upper and lower gearbox

TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

BACK GEARBOX ASSY PARTS -TD

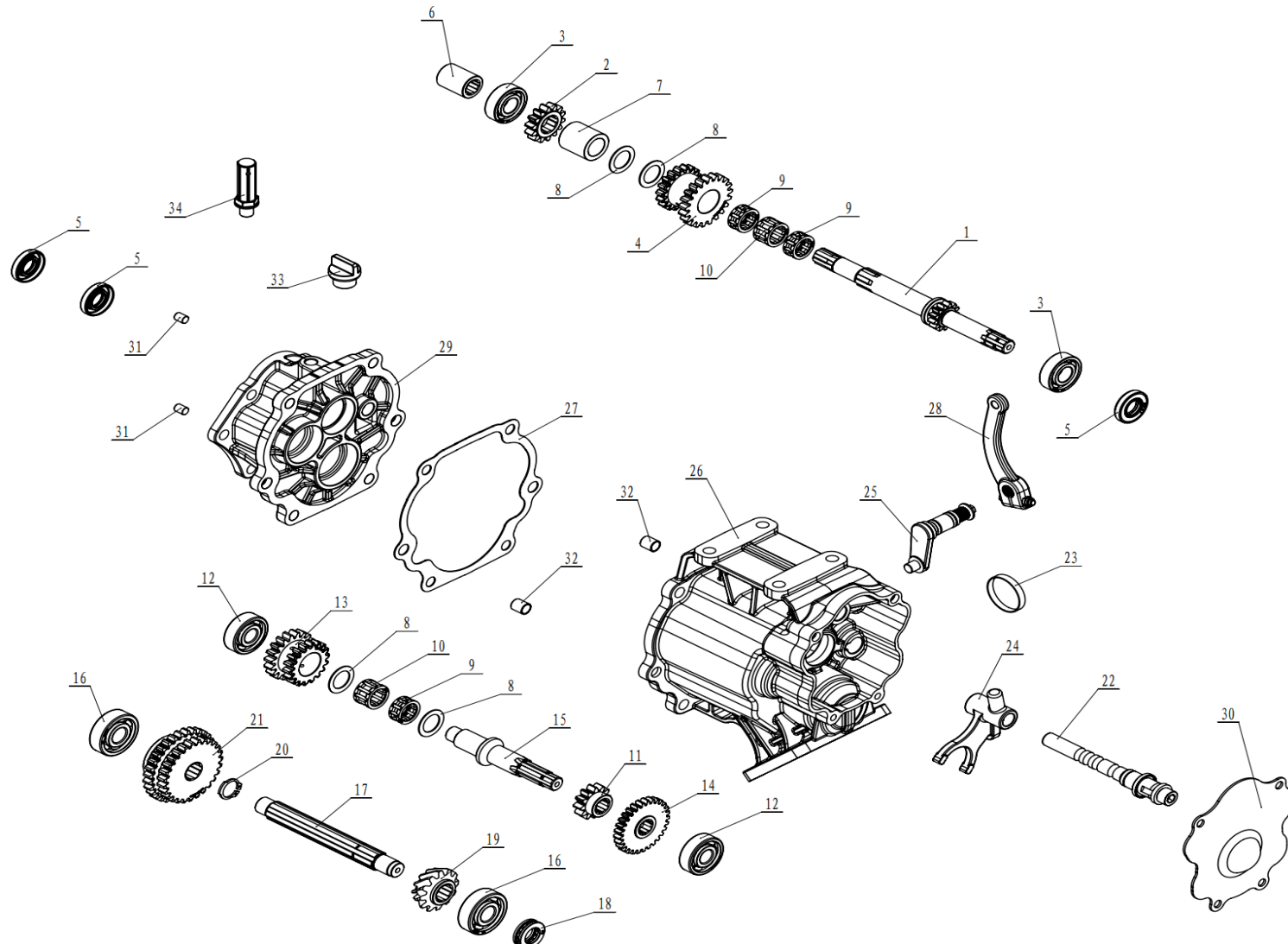


TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TD-01	Rear-upper Gearbox assy	11	AM-MPTC-1100-9DC-TD-11	Fender bracket
2	AM-MPTC-1100-9DC-TD-02	Rear-lower gearbox assy	12	AM-MPTC-1100-9DC-TD-12	Fixing fender (Left-Rear)
3	AM-MPTC-1100-9DC-TD-03	Rear gearbox use Fender Assy	13	AM-MPTC-1100-9DC-TD-13	Fixing fender (Right-Rear)
4	AM-MPTC-1100-9DC-TD-04	Rear gearbox use drag parts assy	14	AM-MPTC-1100-9DC-TD-14	Ditching blades assy (Left)
5	AM-MPTC-1100-9DC-TD-05	Drag wheels assy	15	AM-MPTC-1100-9DC-TD-15	Fixing fender (Right-front)
6	AM-MPTC-1100-9DC-TD-06	Locking part V type	16	AM-MPTC-1100-9DC-TD-16	Ditching blades assy (Right)
7	AM-MPTC-1100-9DC-TD-07	Locking pin assy			
8	AM-MPTC-1100-9DC-TD-08	Rear gearbox gear shifting assy			
9	AM-MPTC-1100-9DC-TD-09	Gearbox connecting part			
10	AM-MPTC-1100-9DC-TD-10	Fixing fender (Left-front)			

TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

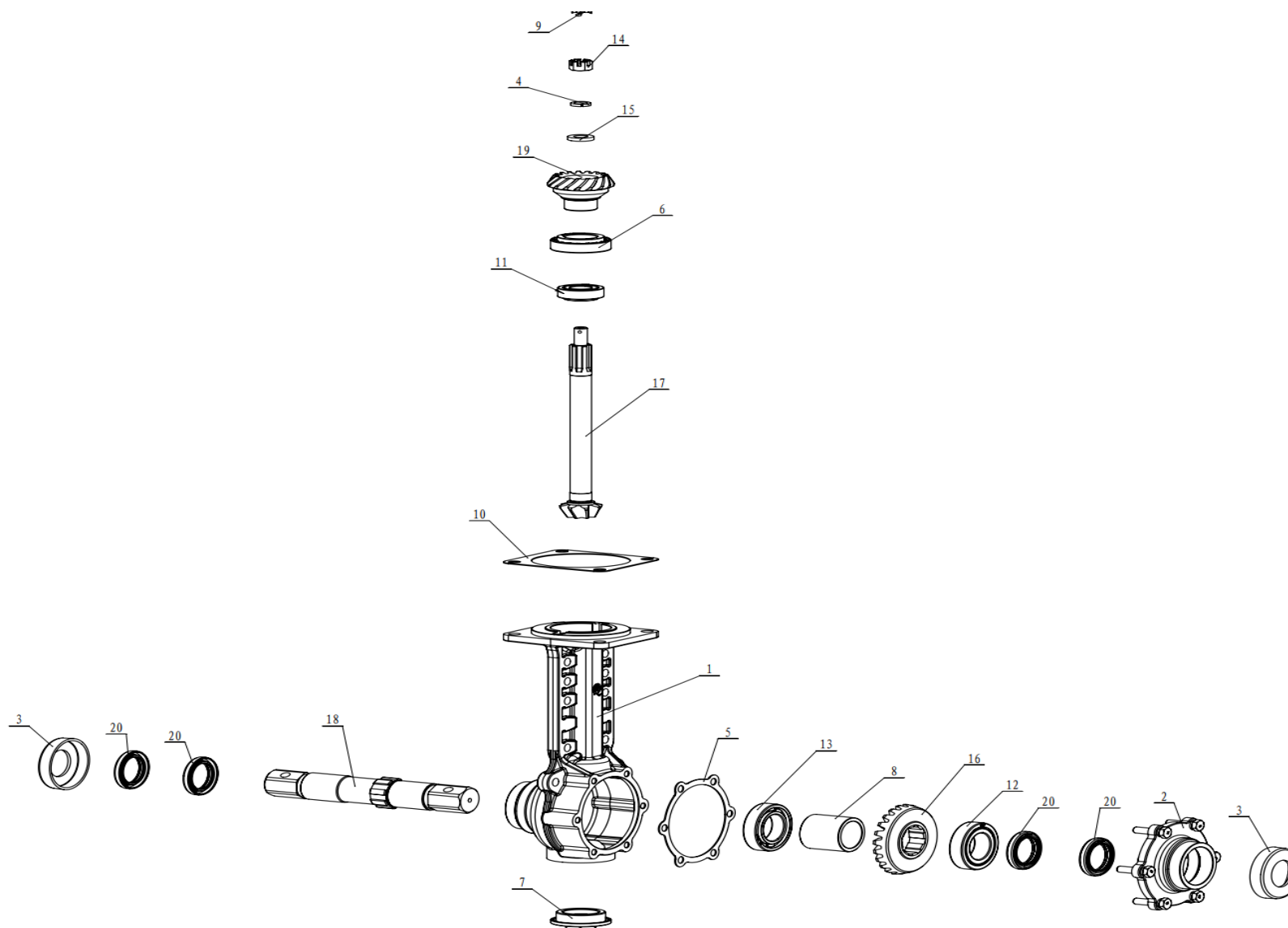
BACK UPPER GEARBOX -TE



TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TE-01	Rear gearbox main shaft	19	AM-MPTC-1100-9DC-TE-19	Post-rotation angle main parachute teeth
2	AM-MPTC-1100-9DC-TE-02	Ditching driven gear	20	AM-MPTC-1100-9DC-TE-20	Retaining ring
3	AM-MPTC-1100-9DC-TE-03	Deep groove ball bearing	21	AM-MPTC-1100-9DC-TE-21	Rear reverse gear
4	AM-MPTC-1100-9DC-TE-04	Rear gearbox 1 &2 gear gear	22	AM-MPTC-1100-9DC-TE-22	Rear tilling fork
5	AM-MPTC-1100-9DC-TE-05	TC type skeleton oil seal	23	AM-MPTC-1100-9DC-TE-23	Oil seal
6	AM-MPTC-1100-9DC-TE-06	Spline connecting sleeve	24	AM-MPTC-1100-9DC-TE-24	Gear shifting Fork
7	AM-MPTC-1100-9DC-TE-07	Rear gearbox main shaft sleeve	25	AM-MPTC-1100-9DC-TE-25	Gear Shift fork shaft
8	AM-MPTC-1100-9DC-TE-08	Wear-resistant gasket	26	AM-MPTC-1100-9DC-TE-26	Rear gearbox housing
9	AM-MPTC-1100-9DC-TE-09	Radial ball bearing	27	AM-MPTC-1100-9DC-TE-27	Rear cover paper gasket
10	AM-MPTC-1100-9DC-TE-10	Radial ball bearing	28	AM-MPTC-1100-9DC-TE-28	Gear shifing rob arm
11	AM-MPTC-1100-9DC-TE-11	Rear gearbox 2nd shaft driving gear	29	AM-MPTC-1100-9DC-TE-29	Rear gearbox cover
12	AM-MPTC-1100-9DC-TE-12	Deep groove ball bearing	30	AM-MPTC-1100-9DC-TE-30	Rear gearbox cover plate
13	AM-MPTC-1100-9DC-TE-13	Rear gearbox 2nd shaft ditching gear	31	AM-MPTC-1100-9DC-TE-31	Locating pin
14	AM-MPTC-1100-9DC-TE-14	Rear gearbox 2nd shaft Driven gear	32	AM-MPTC-1100-9DC-TE-32	Locating pin
15	AM-MPTC-1100-9DC-TE-15	Rear gearbox 2nd shaft	33	AM-MPTC-1100-9DC-TE-33	Oil plug
16	AM-MPTC-1100-9DC-TE-16	Deep groove ball bearing	34	AM-MPTC-1100-9DC-TE-34	Gearbox breathing plug
17	AM-MPTC-1100-9DC-TE-17	Rear gearbox 3rd shaft			
18	AM-MPTC-1100-9DC-TE-18	Pusher ball bearing			

BACK LOWER GEARBOX ASSY - TF

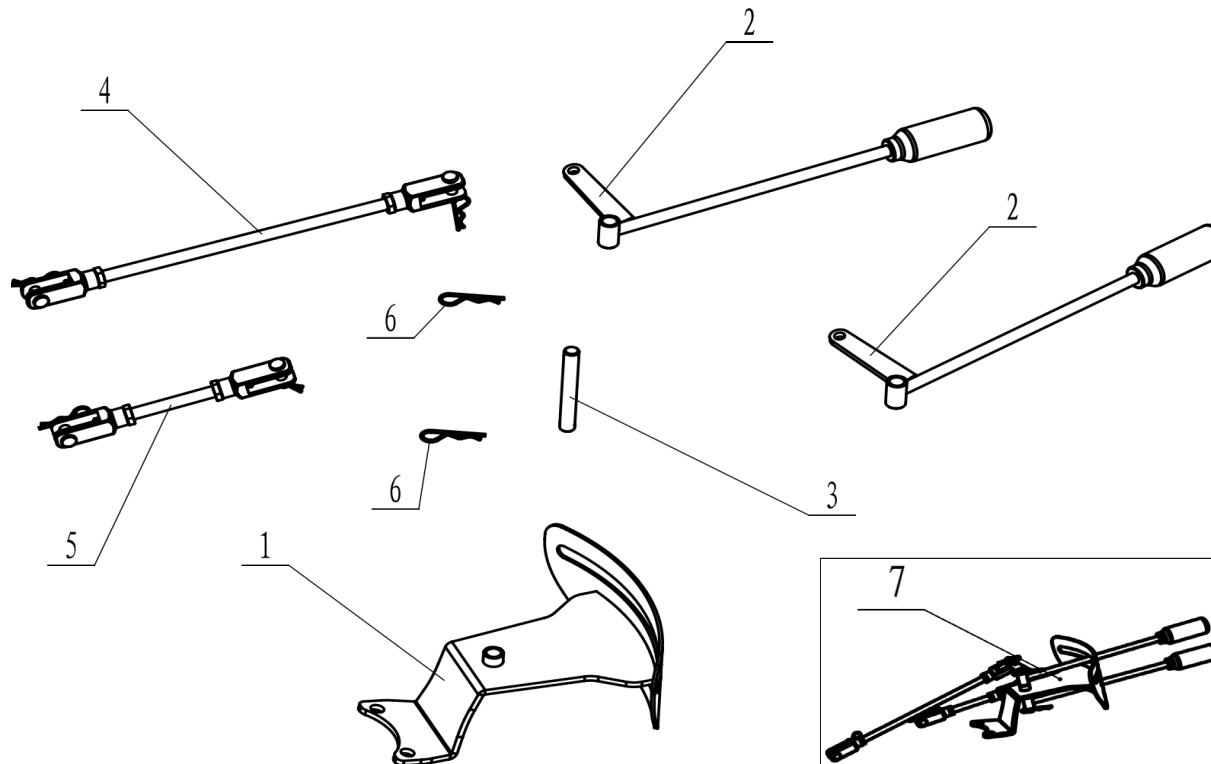


TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TF-01	Rear-lower gearbox assy(Long)	11	AM-MPTC-1100-9DC-TF-11	Cone roller bearing
2	AM-MPTC-1100-9DC-TF-02	Side cover	12	AM-MPTC-1100-9DC-TF-12	Cone roller bearing
3	AM-MPTC-1100-9DC-TF-03	Oil seal cover	13	AM-MPTC-1100-9DC-TF-13	Deep groove ball bearing
4	AM-MPTC-1100-9DC-TF-04	Spring washer	14	AM-MPTC-1100-9DC-TF-14	Deep hexagonal slotted nut
5	AM-MPTC-1100-9DC-TF-05	Side Cover paper gasket	15	AM-MPTC-1100-9DC-TF-15	Flat washer
6	AM-MPTC-1100-9DC-TF-06	Cone roller bearing	16	AM-MPTC-1100-9DC-TF-16	Driven bevel gear
7	AM-MPTC-1100-9DC-TF-07	45 Cast Iron Bottom Plug	17	AM-MPTC-1100-9DC-TF-17	Rear lower gearbox main bevel shaft
8	AM-MPTC-1100-9DC-TF-08	Gearbox sleeve	18	AM-MPTC-1100-9DC-TF-18	Rear gearbox output shaft
9	AM-MPTC-1100-9DC-TF-09	Cotter pin	19	AM-MPTC-1100-9DC-TF-19	The post-rotation angle bevel gear
10	AM-MPTC-1100-9DC-TF-10	Lower gearbox gasket	20	AM-MPTC-1100-9DC-TF-20	TC Skeleton Oil Seal

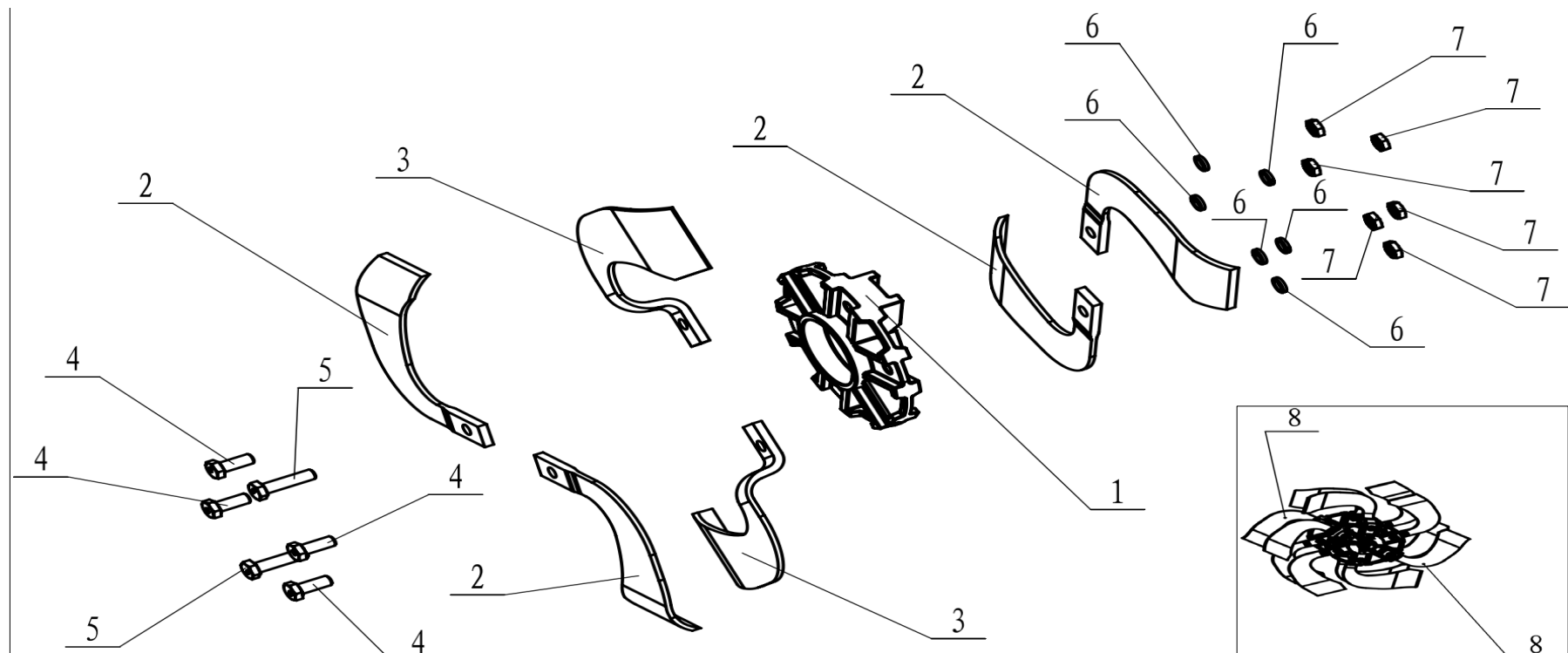
TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

GEAR SHIFTING ASSY - TG

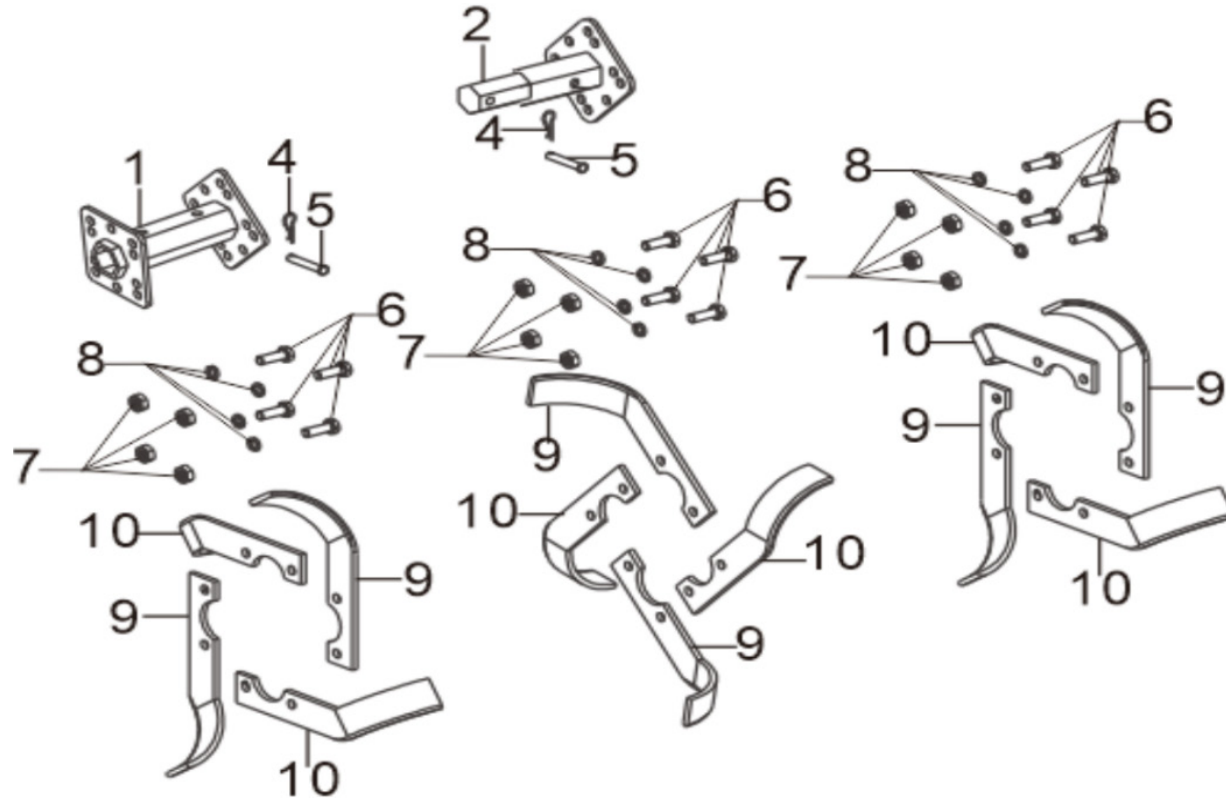


SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TG-01	Gear shifting plate assy	5	AM-MPTC-1100-9DC-TG-05	Back gearbox shifting rod(Short)
2	AM-MPTC-1100-9DC-TG-02	Gear shifting rod	6	AM-MPTC-1100-9DC-TG-06	R type pin
3	AM-MPTC-1100-9DC-TG-03	Gear shifting sleeve	7	AM-MPTC-1100-9DC-TG-07	Gear shifting assy
4	AM-MPTC-1100-9DC-TG-04	Front gearbox shifting rod(Long)			

STREIGHT SHAFT DITCHIING BLADES ASSY - TH



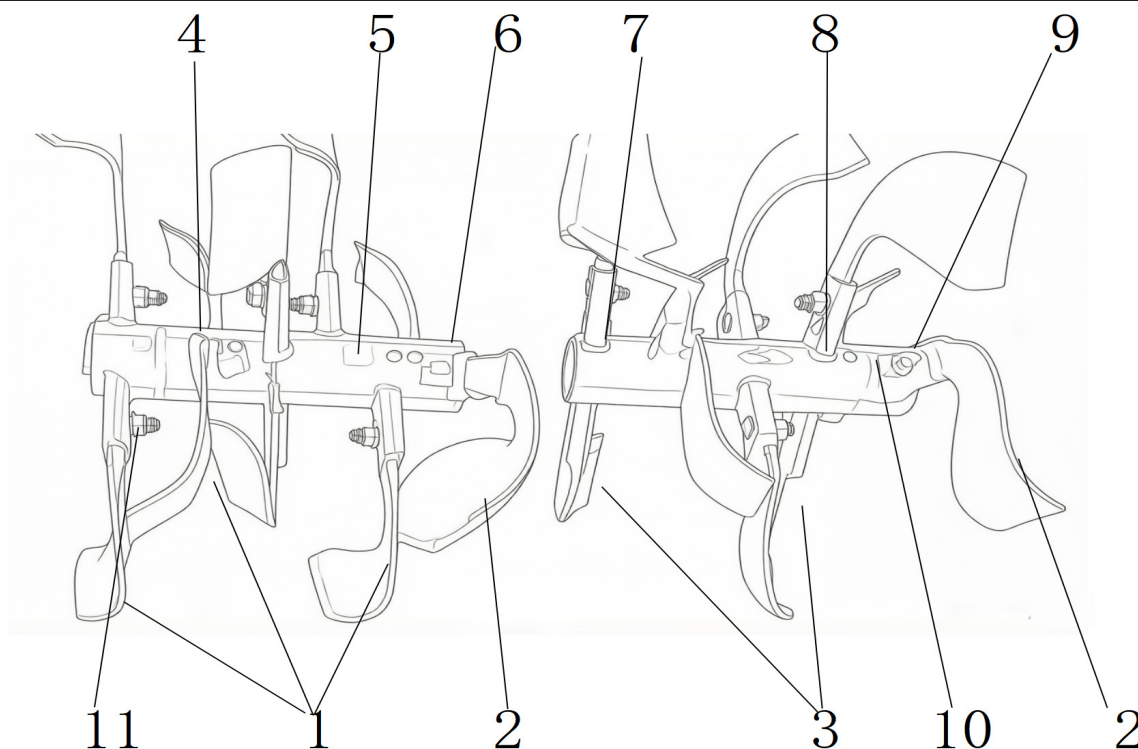
SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TH-01	Blades fitting hub	5	AM-MPTC-1100-9DC-TH-05	Hexagon head bolt
2	AM-MPTC-1100-9DC-TH-02	Streight blade	6	AM-MPTC-1100-9DC-TH-06	Spring washer
3	AM-MPTC-1100-9DC-TH-03	Bend blade	7	AM-MPTC-1100-9DC-TH-07	Thin Hexagon nut
4	AM-MPTC-1100-9DC-TH-04	Hexagon head bolt	8	AM-MPTC-1100-9DC-TH-08	Ditching blades assy ☑Completed)

TILLING BLADES SET - TJ

SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TJ-01	Blade fixed shaft 2groups	6	AM-MPTC-1100-9DC-TJ-06	HEXAGONAL HEAD BOLT
2	AM-MPTC-1100-9DC-TJ-02	Blade fixed shaft 1 group	7	AM-MPTC-1100-9DC-TJ-07	HEXAGON NUT
3	AM-MPTC-1100-9DC-TJ-03	NA	8	AM-MPTC-1100-9DC-TJ-08	FLAT WASHER
4	AM-MPTC-1100-9DC-TJ-04	R PIN	9	AM-MPTC-1100-9DC-TJ-09	Blades (Left)
5	AM-MPTC-1100-9DC-TJ-05	PIN SHAFT	10	AM-MPTC-1100-9DC-TJ-10	Blades (Right)

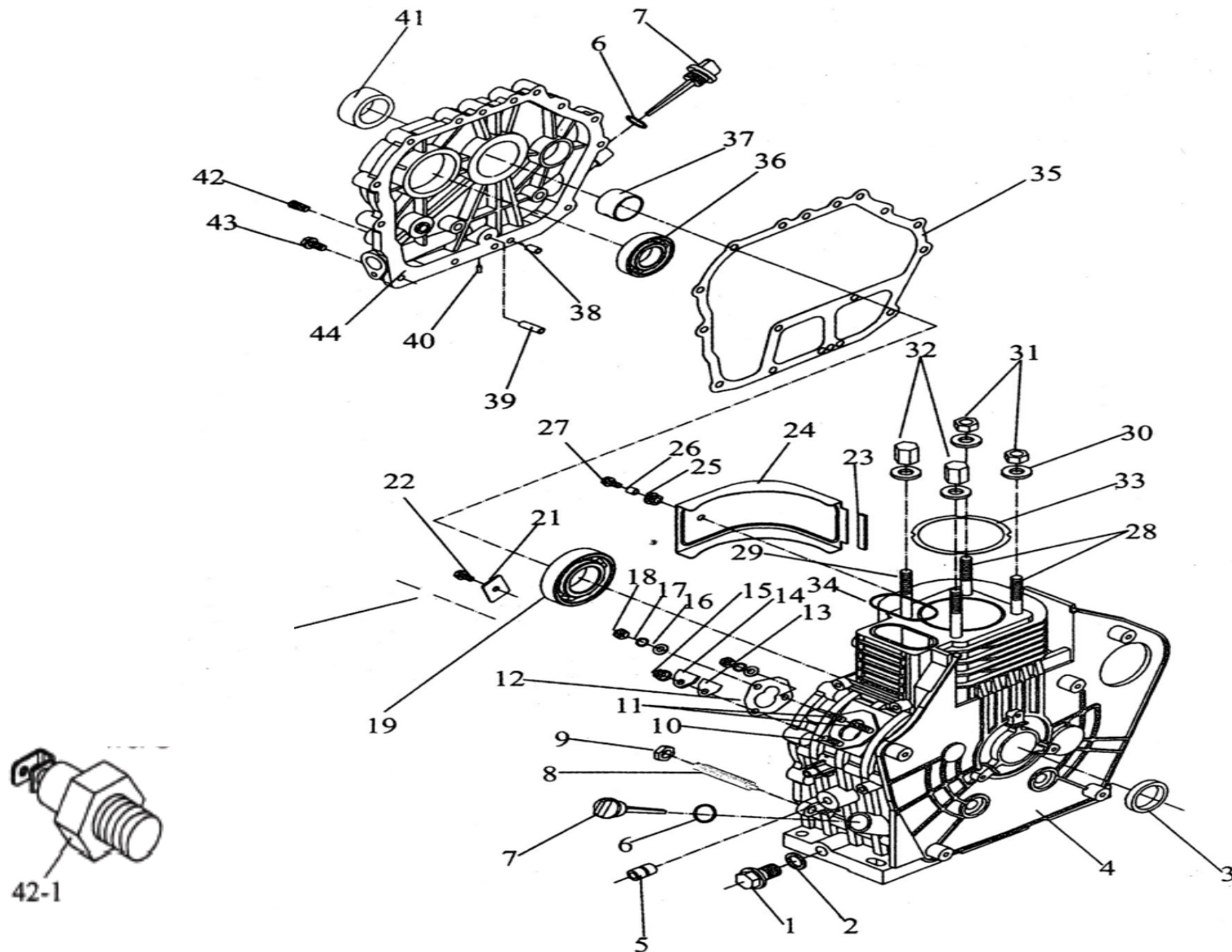
TRANSMISSION DIAGRAM & SPARE PARTS LIST OF INTERCUTIVATOR/POWER WEEDER

SOIL LIFTING BLADES SET - TK



SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-MPTC-1100-9DC-TK-01	Soil lifting blade (left)	8	AM-MPTC-1100-9DC-TK-08	BLADES SHAFT RIGHT(2PCS)
2	AM-MPTC-1100-9DC-TK-02	Soil lifting blade (Bend with spone)	9	AM-MPTC-1100-9DC-TK-09	BLADES SHAFT RIGHT(2PCS)
3	AM-MPTC-1100-9DC-TK-03	Soil lifting blade (Right)	10	AM-MPTC-1100-9DC-TK-10	PIN SHAFT
4	AM-MPTC-1100-9DC-TK-04	BLADES SHAFT (6PCS)	11	AM-MPTC-1100-9DC-TK-11	R PIN
5	AM-MPTC-1100-9DC-TK-05	BLADES SHAFT LEFT (2PCS)	12	AM-MPTC-1100-9DC-TK-12	HEXAGONAL HEAD BOLT
6	AM-MPTC-1100-9DC-TK-06	BLADES SHAFT LEFT (2PCS)	13	AM-MPTC-1100-9DC-TK-13	HEXAGON NUT
7	AM-MPTC-1100-9DC-TK-07	BLADES SHAFT (6PCS)	14	AM-MPTC-1100-9DC-TK-14	FLAT WASHER

CRANKCASE ASSY - EA

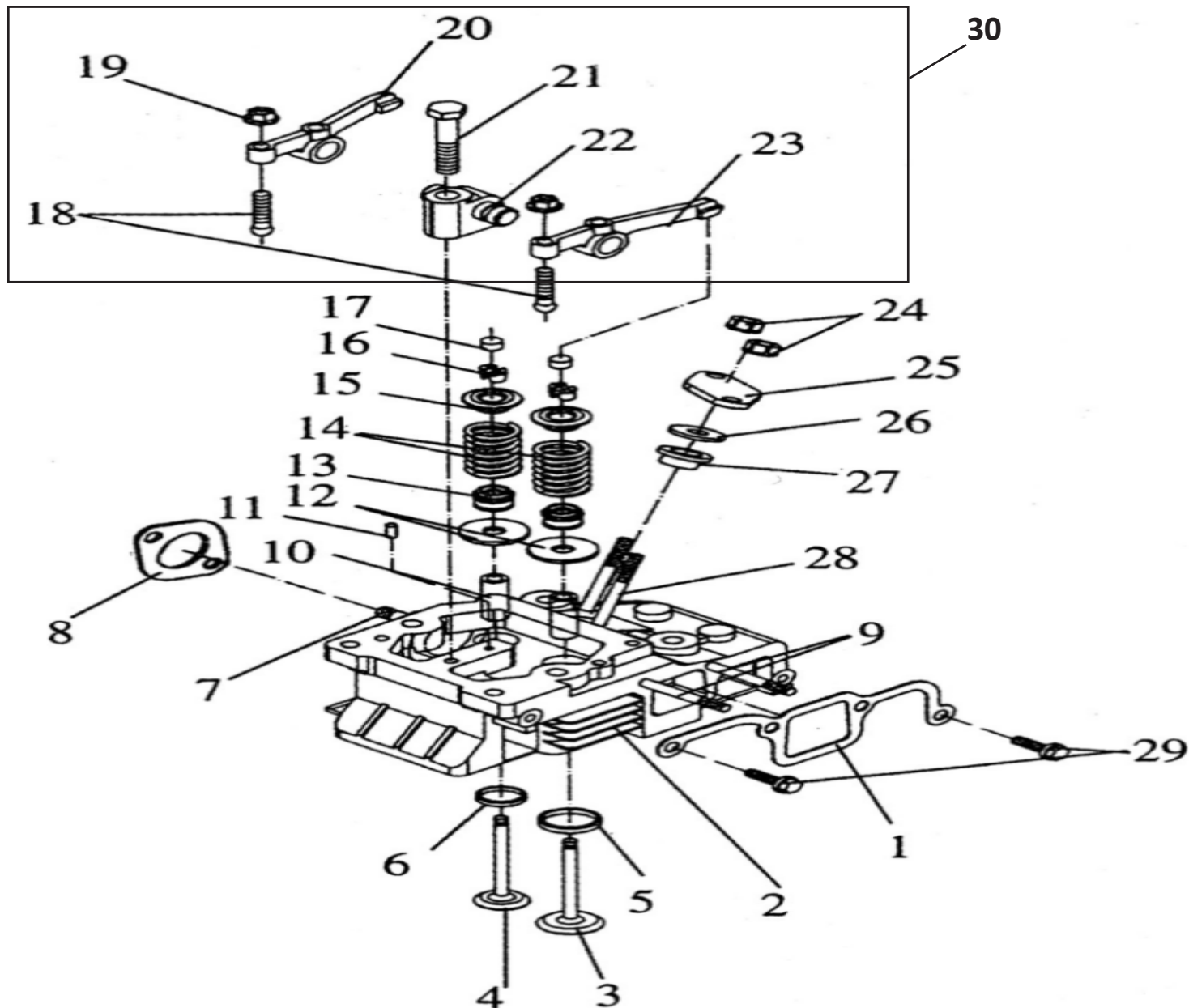


ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EA-01	drain plug	26	AM-195FDC-EA-26	bushing
2	AM-195FDC-EA-02	Drain plug gasket	27	AM-195FDC-EA-27	Bolt
3	AM-195FDC-EA-03	Oil seal	28	AM-195FDC-EA-28	Cylinder head double stud (short)
4	AM-195FDC-EA-04	Cylinder block	29	AM-195FDC-EA-29	Cylinder head double stud (Long)
5	AM-195FDC-EA-05	Needle roller bearing	30	AM-195FDC-EA-30	Cylinder head nut washer
6	AM-195FDC-EA-06	O Ring	31	AM-195FDC-EA-31	Cylinder head nut (thin)
7	AM-195FDC-EA-07	Oil level gauge	32	AM-195FDC-EA-32	Cylinder head nut (thick)
8	AM-195FDC-EA-08	Fuel control unit	33	AM-195FDC-EA-33	Cylinder head gasket
9	AM-195FDC-EA-09	Bolt	34	AM-195FDC-EA-34	Sealing ring
10	AM-195FDC-EA-10	Fuel injection pump fastening stud (short)	35	AM-195FDC-EA-35	Crankcase cover gasket
11	AM-195FDC-EA-11	Fuel injection pump fastening stud (long)	36	AM-195FDC-EA-36	Rolling bearing
12	AM-195FDC-EA-12	Gasket for fuel injection pump	37	AM-195FDC-EA-37	Main bearing
13	AM-195FDC-EA-13	Seal plate gasket	38	AM-195FDC-EA-38	Pin
14	AM-195FDC-EA-14	Sealing plate	39	AM-195FDC-EA-39	Oil inlet duct
15	AM-195FDC-EA-15	Nut	40	AM-195FDC-EA-40	Pin
16	AM-195FDC-EA-16	Washer	41	AM-195FDC-EA-41	Oil seal
17	AM-195FDC-EA-17	Washer	42	AM-195FDC-EA-42	Hex socket plug
18	AM-195FDC-EA-18	Nut	42.1	AM-195FDC-EA-42.1	Oil Pressure Sensor
19	AM-195FDC-EA-19	CAM shaft bushing	43	AM-195FDC-EA-43	Bolt
20	AM-195FDC-EA-20	Needle roller bearing	44	AM-195FDC-EA-44	Crankcase cover
21	AM-195FDC-EA-21	Thrust gasket			
22	AM-195FDC-EA-22	Bolt			
23	AM-195FDC-EA-23	Shockproof pad strip			
24	AM-195FDC-EA-24	Deflector plate			
25	AM-195FDC-EA-25	Vibration isolation pad			

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

CYLINDER HEAD ASSY - EB

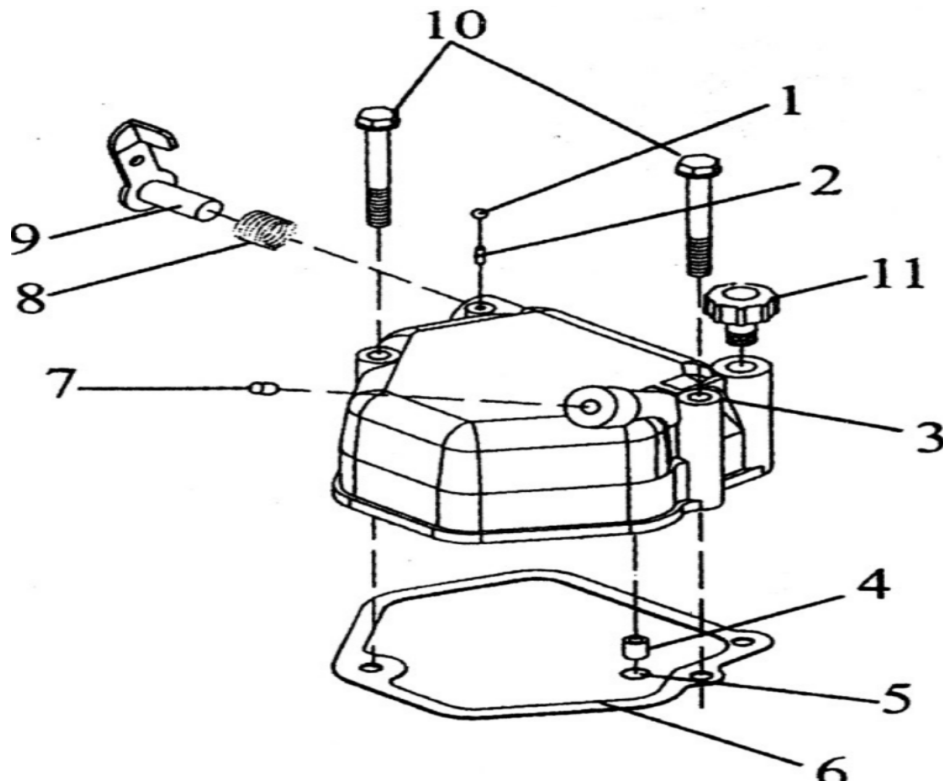


ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EB-01	INTAKE GASKET	16	AM-195FDC-EB-16	VALVE SPRING LOCK
2	AM-195FDC-EB-02	CYLINDER HEAD	17	AM-195FDC-EB-17	VALVE ADJUSTING PLATE
3	AM-195FDC-EB-03	INLET VALVE	18	AM-195FDC-EB-18	SCREW FOR ARM ASSY
4	AM-195FDC-EB-04	EXHAUST VALVE	19	AM-195FDC-EB-19	NUT FOR ARM ASSY
5	AM-195FDC-EB-05	INLET VALVE SEAL	20	AM-195FDC-EB-20	VALVE ROCKER ARM -EXHAUST
6	AM-195FDC-EB-06	EXHAUST VALVE SEAL	21	AM-195FDC-EB-21	BOLT
7	AM-195FDC-EB-07	STUD	22	AM-195FDC-EB-22	ROCKER ARM SUPPORT
8	AM-195FDC-EB-08	SILENCER GASKET	23	AM-195FDC-EB-23	VALVE ROCKER ARM -INLET
9	AM-195FDC-EB-09	STUD	24	AM-195FDC-EB-24	FLANGE NUT
10	AM-195FDC-EB-10	VALVE GUIDE	25	AM-195FDC-EB-25	CLAMP PLATE
11	AM-195FDC-EB-11	PIN	26	AM-195FDC-EB-26	ADJUSTING GASKET
12	AM-195FDC-EB-12	VALVE SPRING SEAT	27	AM-195FDC-EB-27	SLEEVE
13	AM-195FDC-EB-13	VALVE SPRING RETAINER	28	AM-195FDC-EB-28	STUDS
14	AM-195FDC-EB-14	VALVE SPRING	29	AM-195FDC-EB-29	BOLT
15	AM-195FDC-EB-15	UPPER VALVE SPRING RETAINER	30	AM-195FDC-EB-30	ROCKER ARM ASSY

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

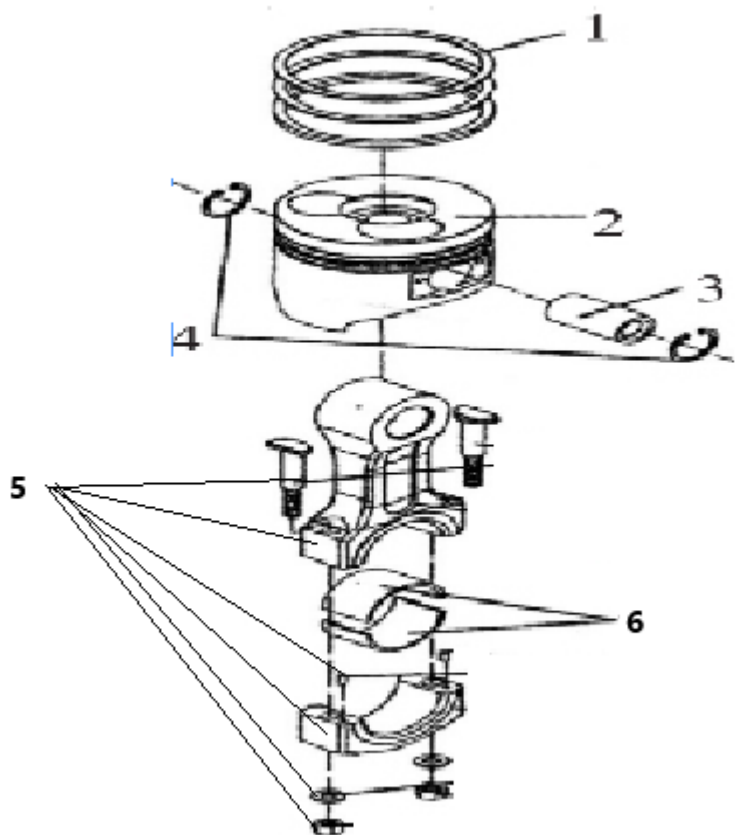
CYLINDER COVER ASSY - EC



SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EC-01	BOLT CAP
2	AM-195FDC-EC-02	ROLLER INSTALLER BOLT
3	AM-195FDC-EC-03	CYLINDER HEAD COVER AS-SEMBLY
4	AM-195FDC-EC-04	PIN
5	AM-195FDC-EC-05	RING, PIN
6	AM-195FDC-EC-06	CYLINDER HEAD COVER GAS-KET
7	AM-195FDC-EC-07	PLUG
8	AM-195FDC-EC-08	DECOMPRESS SPRING
9	AM-195FDC-EC-09	DECOMPRESS ROLLER
10	AM-195FDC-EC-10	BOLT
11	AM-195FDC-EC-11	BOLT

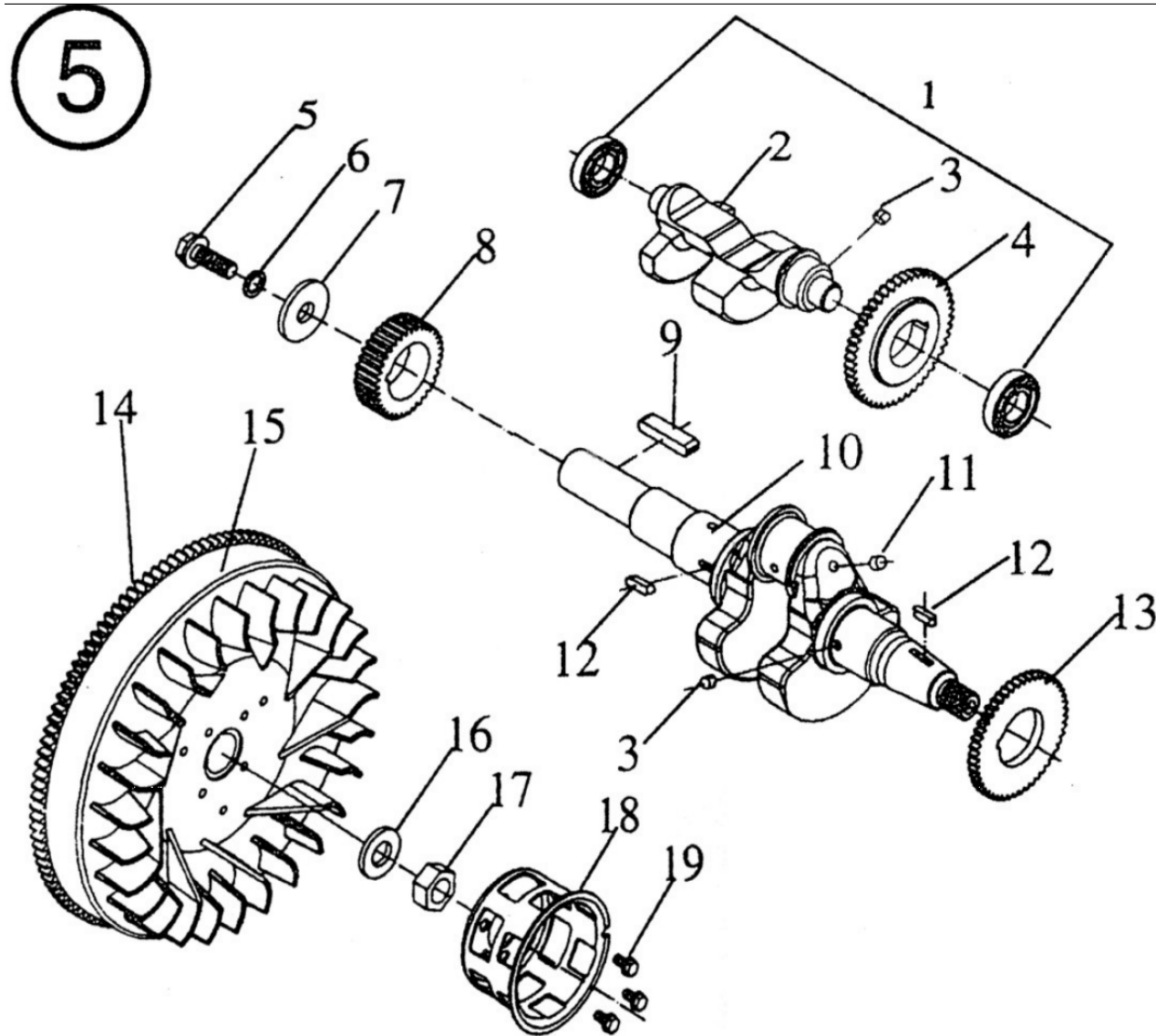
ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

PISTON AND CONNECTING ROD ASSY - ED



SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-ED-01	Piston ring assembly
2	AM-195FDC-ED-02	piston
3	AM-195FDC-ED-03	Piston pin
4	AM-195FDC-ED-04	Stop ring
5	AM-195FDC-ED-05	Connecting rod body
6	AM-195FDC-ED-06	Connecting rod bearing bush

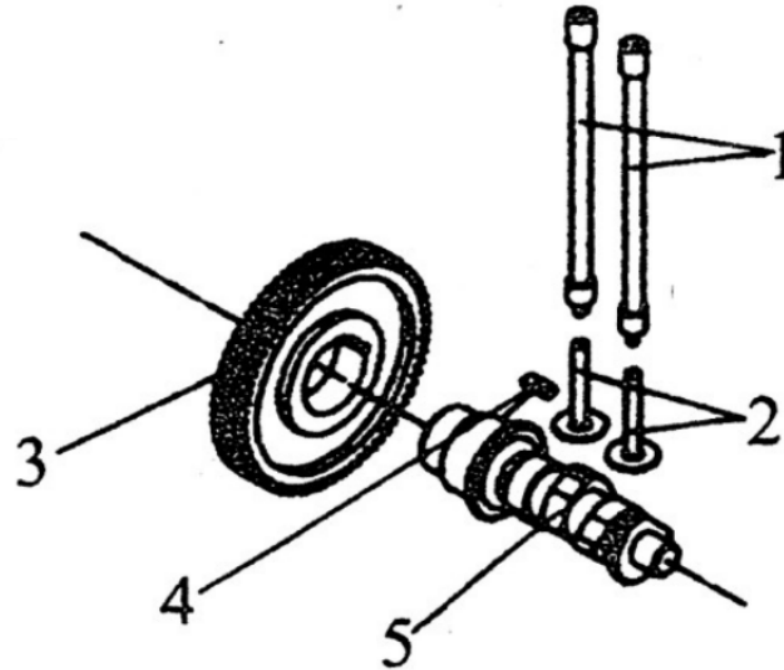
CRANKSHAFT & FLYWHEEL ASSY - EE



SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EE-01	Rolling bearing
2	AM-195FDC-EE-02	Axis of balance
3	AM-195FDC-EE-03	Key
4	AM-195FDC-EE-04	Balance shaft timing gear
5	AM-195FDC-EE-05	Tighten the bolt at the output end
6	AM-195FDC-EE-06	Washer
7	AM-195FDC-EE-07	Compression washer
8	AM-195FDC-EE-08	Crankshaft timing gear
9	AM-195FDC-EE-09	Key
10	AM-195FDC-EE-10	Crank shaft
11	AM-195FDC-EE-11	Steel ball
12	AM-195FDC-EE-12	Key
13	AM-195FDC-EE-13	Balance shaft drive gear
14	AM-195FDC-EE-14	Flywheel tooth ring
15	AM-195FDC-EE-15	Flywheel
16	AM-195FDC-EE-16	Flywheel nut washer
17	AM-195FDC-EE-17	Flywheel nut
18	AM-195FDC-EE-18	Starting jaw
19	AM-195FDC-EE-19	Bolt

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

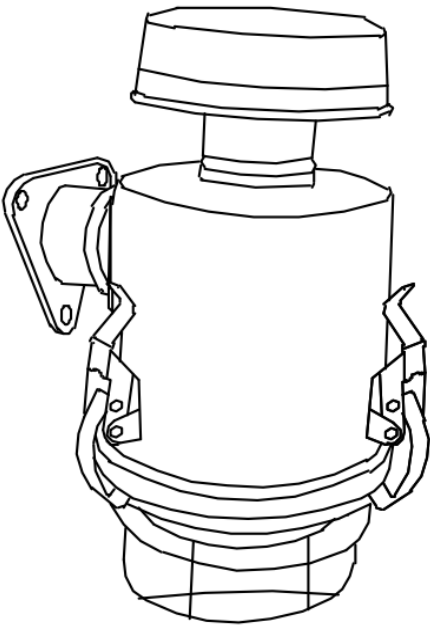
CAMSHAFT ASSY - EF



SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EF-01	Valve push rod component			
2	AM-195FDC-EF-02	Valve tappet			
3	AM-195FDC-EF-03	Camshaft timing gear			
4	AM-195FDC-EF-04	Key			
5	AM-195FDC-EF-05	Camshaft			

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

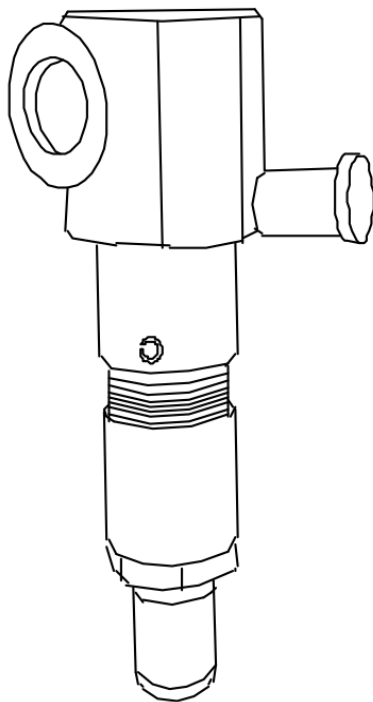
AIR-FILTER ASSY - EG



SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EG-01	Air filter assembly

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

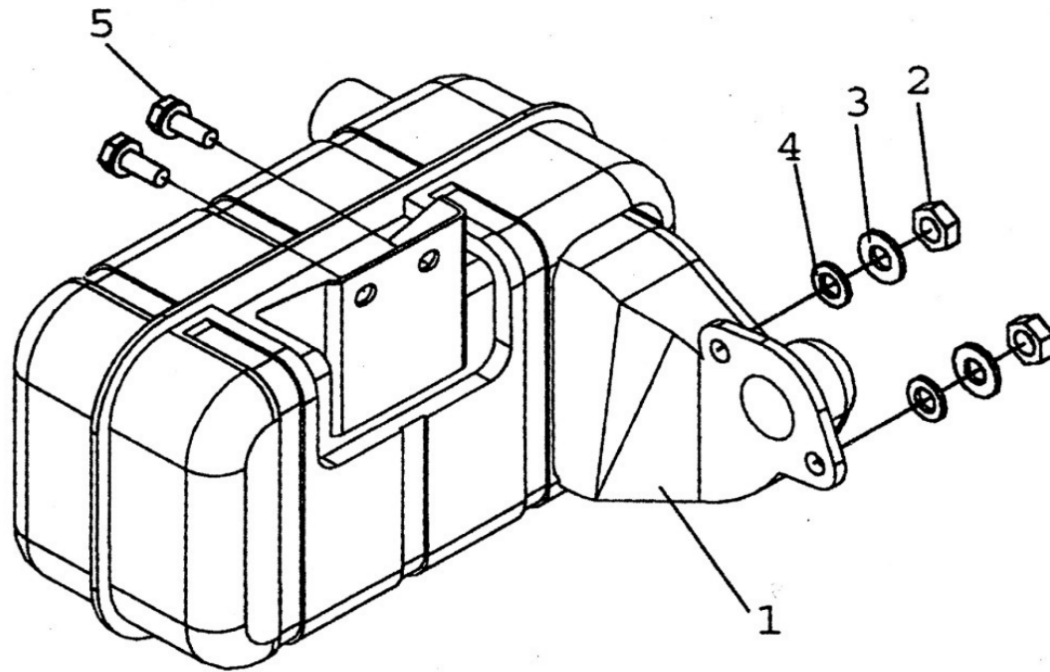
FUEL INJECTOR - EH



SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EH-01	Fuel injector assembly

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

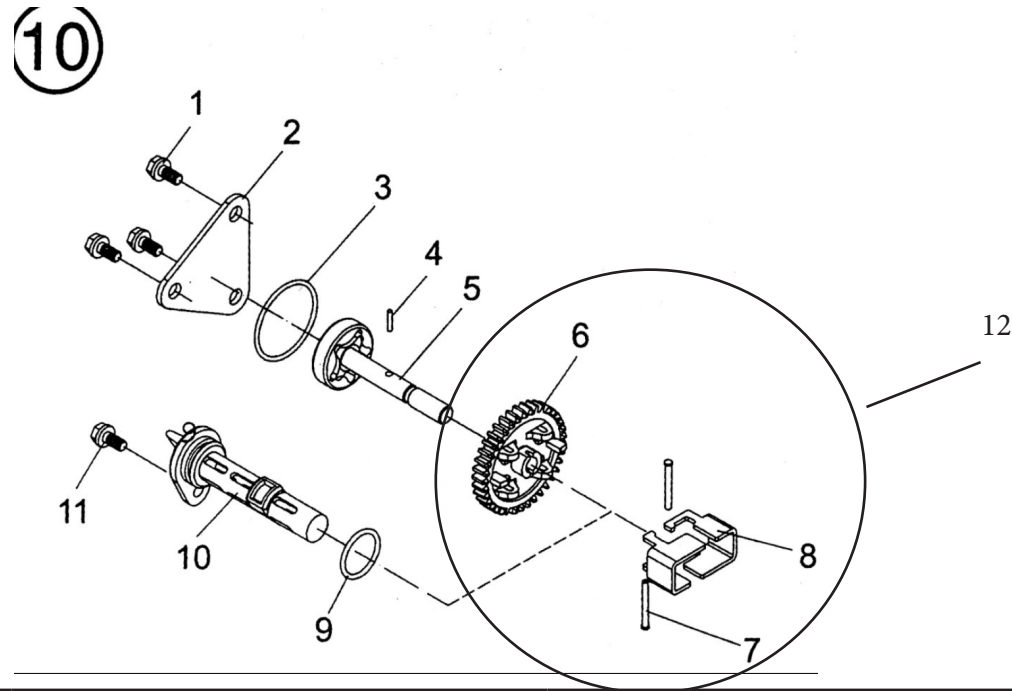
SILENCER - EJ



SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EJ-01	Muffler assembly	4	AM-195FDC-EJ-04	Washer
2	AM-195FDC-EJ-02	Nut	5	AM-195FDC-EJ-05	Bolt
3	AM-195FDC-EJ-03	Washer			

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

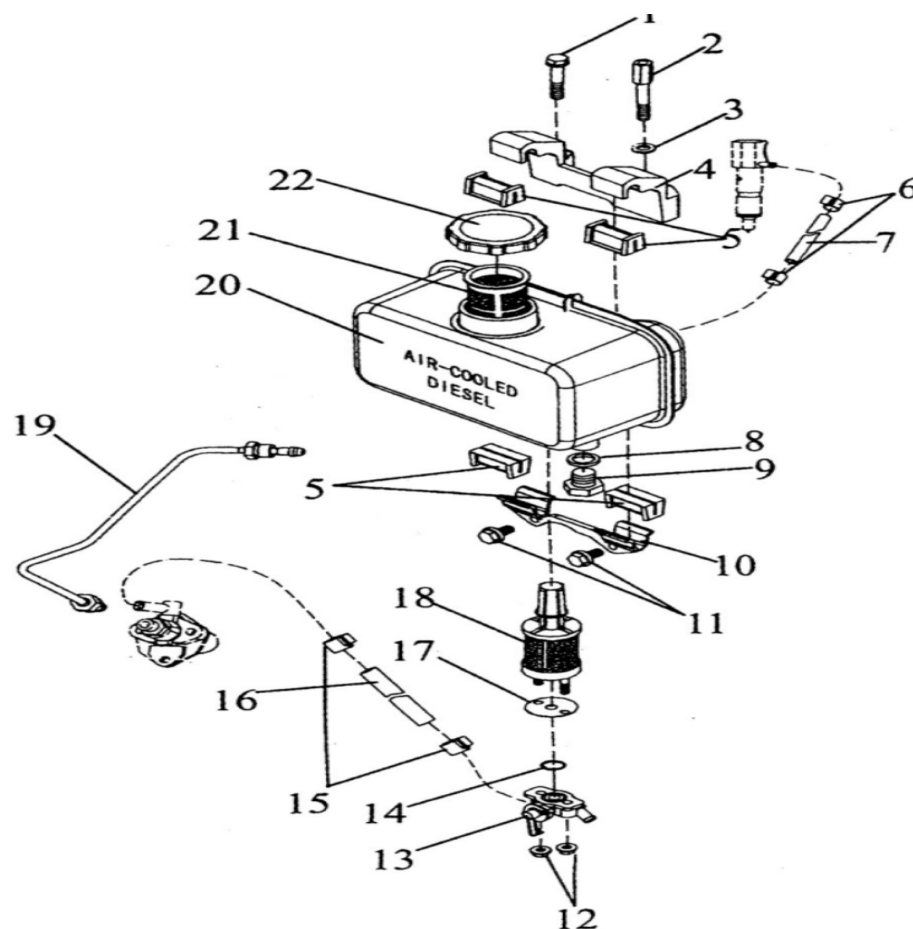
LUBRICATING SYSTEM - EK



SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EK-01	BOLT	7	AM-195FDC-EK-07	PIN
2	AM-195FDC-EK-02	OIL PUMP COVER PLATE	8	AM-195FDC-EK-08	#N/A
3	AM-195FDC-EK-03	O-RING	9	AM-195FDC-EK-09	O-RING
4	AM-195FDC-EK-04	PIN	10	AM-195FDC-EK-10	OIL FILTER COMPONENT
5	AM-195FDC-EK-05	OIL PUMP COMPONENT	11	AM-195FDC-EK-11	BOLT
6	AM-195FDC-EK-06	OIL PUMP TRANSMISSION GEAR	12	AM-195FDC-EK-12	OIL PUMP GEAR SET

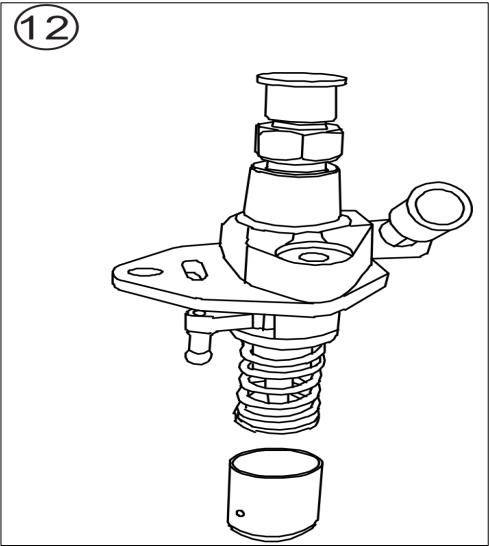
ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

FUEL SYSTEM - EM



SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EM-01	Bolt
2	AM-195FDC-EM-02	Support fastening bolts on fuel tank
3	AM-195FDC-EM-03	Washer
4	AM-195FDC-EM-04	Fuel tank bracket
5	AM-195FDC-EM-05	Shock pad
6	AM-195FDC-EM-06	Pipe Clamp
7	AM-195FDC-EM-07	Oil Return pipe
8	AM-195FDC-EM-08	Oil drain bolt gasket
9	AM-195FDC-EM-09	Bolt
10	AM-195FDC-EM-10	Tank lower support component
11	AM-195FDC-EM-11	Bolt
12	AM-195FDC-EM-12	Nut
13	AM-195FDC-EM-13	Tank switch unit
14	AM-195FDC-EM-14	O-ring
15	AM-195FDC-EM-15	Pipe Clamp
16	AM-195FDC-EM-16	Oil delivery pipe
17	AM-195FDC-EM-17	Diesel gasket
18	AM-195FDC-EM-18	Filter element component
19	AM-195FDC-EM-19	High pressure tubing component
20	AM-195FDC-EM-20	Tank welds
21	AM-195FDC-EM-21	Oil filter
22	AM-195FDC-EM-22	Fuel tank cap components

INJECT PUMP - EN

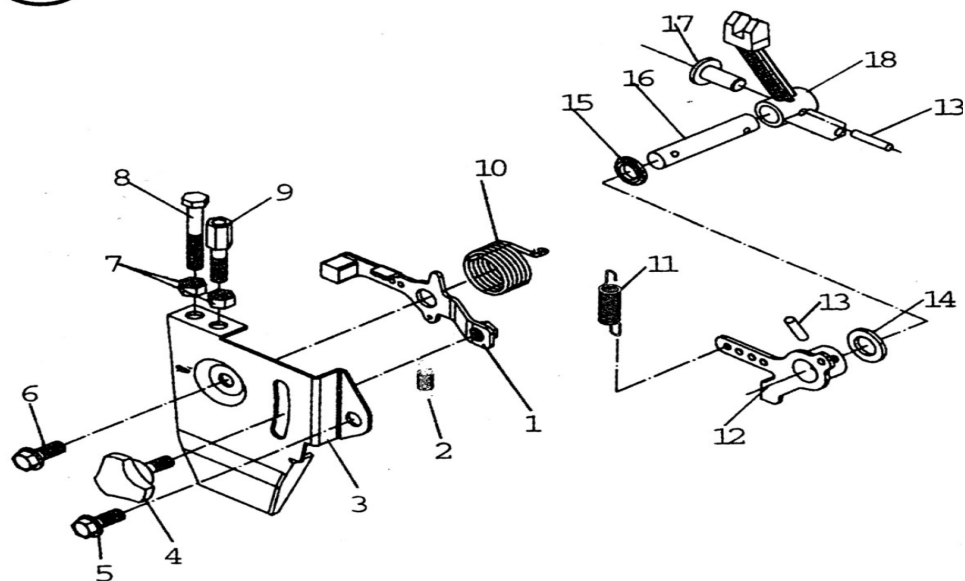


SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-EN-01	Fuel injection pump assembly

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

GOVERNOR ASSY - EP

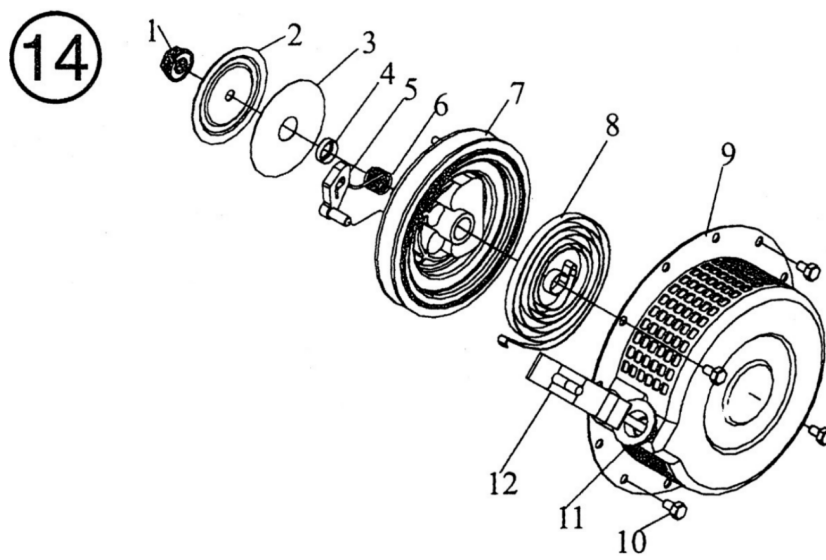
13



SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
EP	AM-195FDC-EP	COMPLETE GOVERNOR ASSY	10	AM-195FDC-EP-10	RETURN SPRING I
1	AM-195FDC-EP-01	SPEED CONTROL HANDLE COMPONENT	11	AM-195FDC-EP-11	GOVERNOR SPRING
2	AM-195FDC-EP-02	RETURN SPRING II	12	AM-195FDC-EP-12	LEVER FORK
3	AM-195FDC-EP-03	CONTROL PANEL	13	AM-195FDC-EP-13	PIN ROLL
4	AM-195FDC-EP-04	HANDLE BOLT	14	AM-195FDC-EP-14	ADJUSTING WASHER
5	AM-195FDC-EP-05	BOLT	15	AM-195FDC-EP-15	LEVER SHAFT OIL SEAL
6	AM-195FDC-EP-06	BOLT	16	AM-195FDC-EP-16	FORK SHAFT
7	AM-195FDC-EP-07	NUT	17	AM-195FDC-EP-17	OPERATE HAND SHANK
8	AM-195FDC-EP-08	BOLT	18	AM-195FDC-EP-18	FORK LEVER ASSY
9	AM-195FDC-EP-09	STAY BOLT			

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

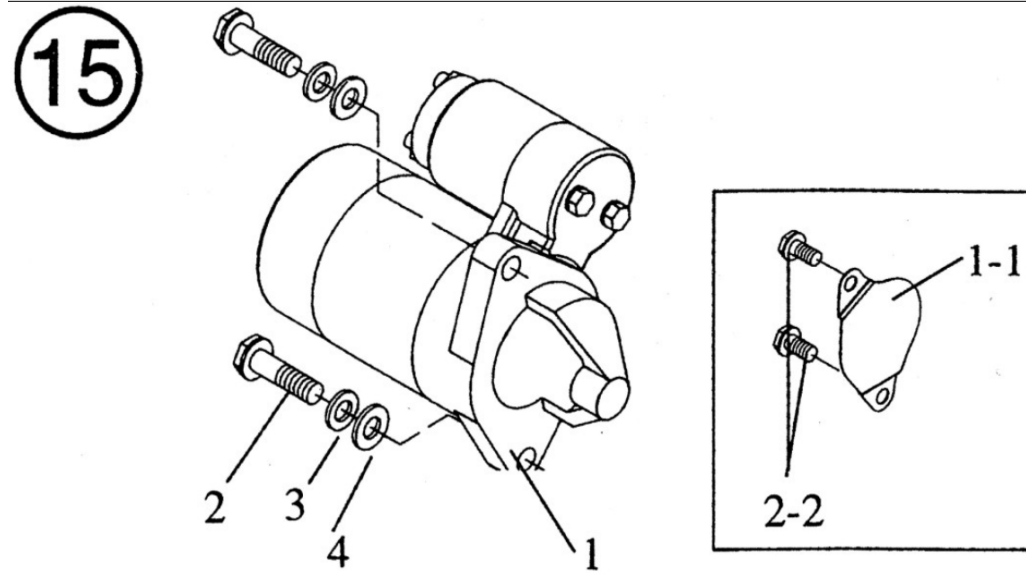
RECOIL STARTER ASSY - EQ



SL NO.	PART NO.	DESCRIPTION	SL NO.	PART NO.	DESCRIPTION
EQ	AM-195FDC-EQ	HAND TRAY ASSEMBLY	7	AM-195FDC-EQ-07	STARTER REEL
1	AM-195FDC-EQ-01	NUT	8	AM-195FDC-EQ-08	SPIRAL SPRING
2	AM-195FDC-EQ-02	REEL COVER	9	AM-195FDC-EQ-09	OUTER CASE ASSY
3	AM-195FDC-EQ-03	FRICTION PLATE	10	AM-195FDC-EQ-10	BOLT
4	AM-195FDC-EQ-04	SUPPORT PLATE	11	AM-195FDC-EQ-11	STARTING ROPE
5	AM-195FDC-EQ-05	RATCHET	12	AM-195FDC-EQ-12	STARTING HANDLE
6	AM-195FDC-EQ-06	RETURN SPRING			

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

MOTOR ASSY - ER

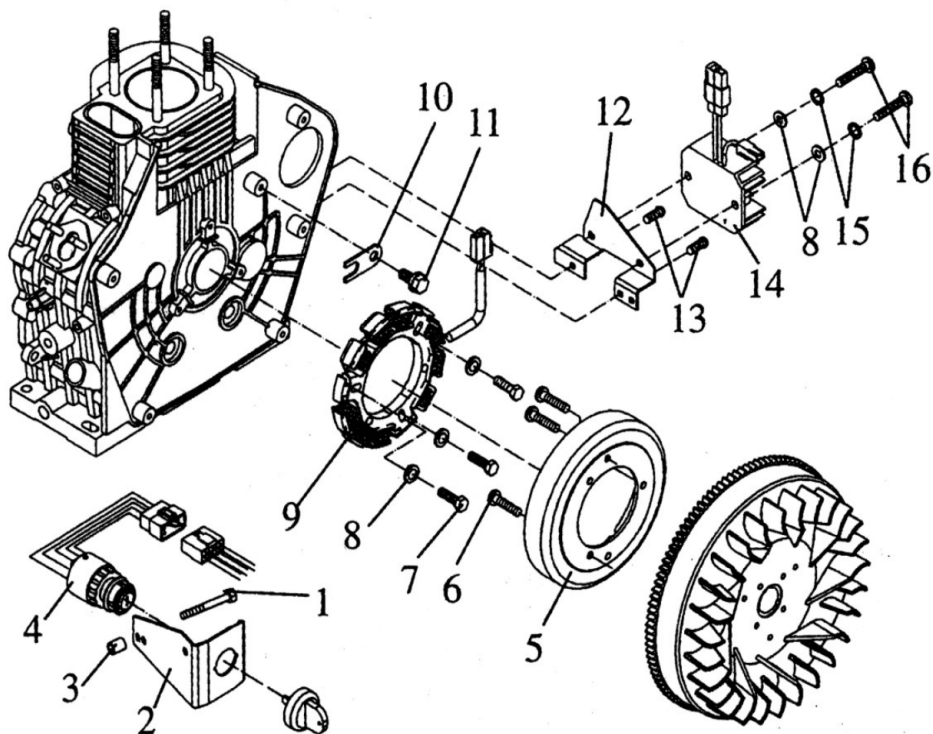


SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-ER-01	Starting motor component
2	AM-195FDC-ER-02	Bolt
3	AM-195FDC-ER-03	Washer
4	AM-195FDC-ER-04	Washer

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

FLY WHEEL ASSY - ES

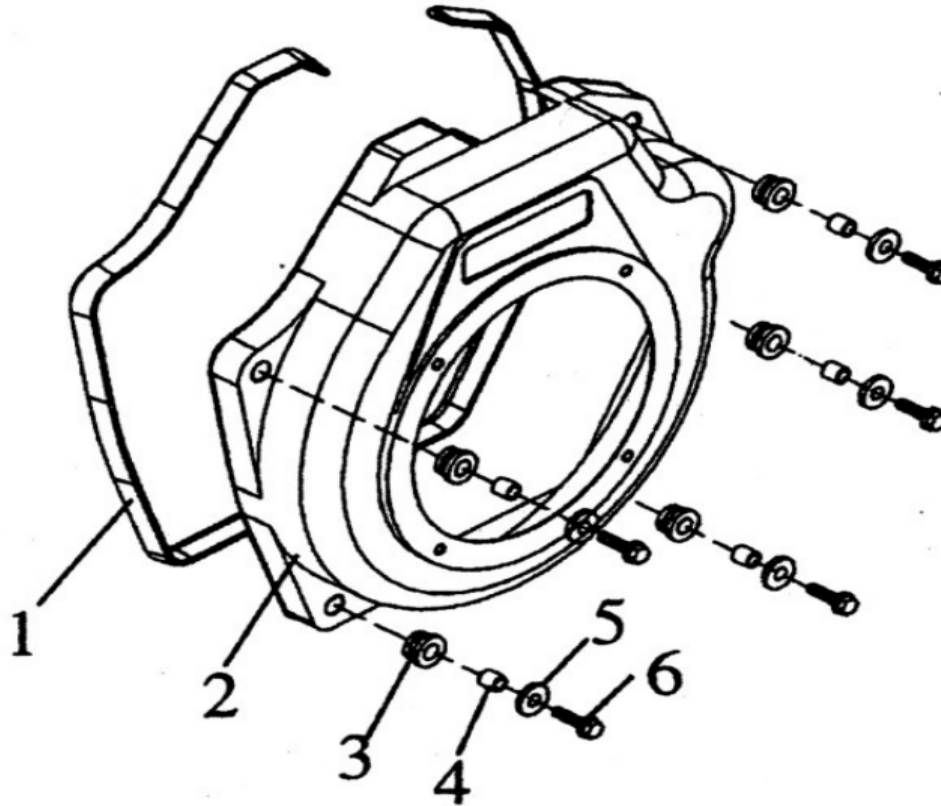
(16)



SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-ES-01	BOLT
2	AM-195FDC-ES-02	ELECTRIC START SWITCH BOARD
3	AM-195FDC-ES-03	PIN, SWITCH BOARD
4	AM-195FDC-ES-04	STARTING SWITCH BODY COMPONENT
5	AM-195FDC-ES-05	FLYWHEEL GENERATOR
6	AM-195FDC-ES-06	SCREW
7	AM-195FDC-ES-07	BOLT
8	AM-195FDC-ES-08	SPRING WASHER
9	AM-195FDC-ES-09	FLYWHEEL HOUSING
10	AM-195FDC-ES-10	WIRE CLAMP
11	AM-195FDC-ES-11	BOLT
12	AM-195FDC-ES-12	REGULATOR SUPPORT
13	AM-195FDC-ES-13	SCREW
14	AM-195FDC-ES-14	PRESSURIZER COMPONENT
15	AM-195FDC-ES-15	WASHER
16	AM-195FDC-ES-16	BOLT

ENGINE DIAGRAM & SPARE PARTS LIST OF INTERCULTIVATOR/POWER WEEDER

RECOIL COVER ASSY - ET



SL NO.	PART NO.	DESCRIPTION
1	AM-195FDC-ET-01	Shock pad
2	AM-195FDC-ET-02	Air hood welds
3	AM-195FDC-ET-03	Shock absorber sleeve
4	AM-195FDC-ET-04	bushing
5	AM-195FDC-ET-05	Washer
6	AM-195FDC-ET-06	Bolt

INSPECTION & MAINTAINANCE

For safety use, make sure the machine is cleaned every three months. Before working, make sure to inspect the filter and the nozzle and ensure there is no impurity. After working, make sure there is no water in the pump and the hose.

If the machine needs to be repaired in the guarantee period, please return the machine to the shop. You need to provide the certificate of purchase on order to repair or get the substitute.

Before packing, the machine should be cleaned, then use closed packaging, packaging should be firm. Store the machine in dry place.

For transportation safety. The machine should comply with ISTA.

Do not dispose of electrical machines as unsorted municipal waste, use separate collection facilities.

If electrical machines are disposed of in landfills or dumps, hazardous substances can leak into the ground water and get into the food chain, damaging your health and well being.

When replacing old machines with new ones, the retailer is legally obligated to take back your old machine for disposals at least free of charge.

WARRANTY CARD

CUSTOMER COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL _____	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____ _____	CUSTOMER SIGN		
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
AM-MPTC-1100-9D			
I/Will accept the terms and conditions of warranty as in the warranty card			

DEALERS COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL _____	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____ _____	CUSTOMER SIGN		
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
AM-MPTC-1100-9D			
I/Will accept the terms and conditions of warranty as in the warranty card			

COMPANY COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL _____	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____ _____	CUSTOMER SIGN		
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
AM-MPTC-1100-9D			
I/Will accept the terms and conditions of warranty as in the warranty card			

1. LIMITED WARRANTY PERIOD : For a period of six months from the date of Sale / delivery of the product which ever is earlier. 2. LIMITED WARRANTY OBLIGATION : Replacement of defective part(s) by authorized dealer are free of charges. If found defective by reasons of defective material / poor workmanship, parts will be replaced and there will be no value re-imbursement. 3. TERMS & CONDITIONS : a. Claims under warranty will be accepted on submission of Warranty Card duly filled and stamped by authorized dealer together with the original purchase document. : b. Shipping / transportation / Incidental charges incurred in replacing defective parts under warranty shall be borne by the purchaser

WARRANTY null & void if

- (i) Lack of maintenance, (ii) Incorrect use of the machine or tampering, (iii) Use of non-genuine spare parts, (iv) Usage of acids, solvents, or any flammable materials, (v) Non-usage of filter water / clear water / soft water & using water above 40°C temperature, (vi) While using the pressure washers to draw water which is contaminated with dust & solvents (eg. paint thinners, gasoline, oil, etc.), (vii) Repair done by unauthorized service people, (viii) Those parts subject to wear & tear due to normal operations and plastic parts, rubber items etc, (ix) Loose connections, faulty electrical fixtures & fluctuations in power supply.
4. Should any failure occur during or after the warranty period, customer does not have the right to interrupt payment / price discount.
5. Incidental or consequential damages like inconvenience commercial loss, loss of tie, mental agony etc.
6. Loss of any nature due to operation or non-operation is not covered under warranty.
7. All free service are at Dealer's service point only.
8. Warranty ceases if service is not done periodically.
9. The attached card should be completed and returned to Ratnagiri Impex Pvt. Ltd. for registration immediately after sale / delivery.
10. The warranty is void unless you register the warranty card with Ratnagiri Impex Pvt. Ltd.
11. The decision of Ratnagiri Impex Pvt. Ltd., in settling the warranty is final in all respects.
12. All disputes are subject to Bangalore Courts Jurisdiction

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FREE SERVICE COUPON (30DAYS/30HRS. WHICHEVER IS EARLIER)

MODEL	AM-MPTC-1100-9D		SERIAL NUMBER	
PDI DATE	SERVICE NO.	PURCHASE BILL NO.	DATE	
DEALERS OFFICE SEAL	OPERATIONS			
	1. Check and test the fuel mixture 3. Check , clean and adjust the spark plug 5. Check and sparken the cutting tools 7. Start and check the noise, vibration, loosen etc.. 2. check and clean the air filter 4. Check and adjust the carburetor tuning 6. Product familiarisation on usage 8. Routine maintenance and shortage.			

FREE SERVICE COUPON (30DAYS/30HRS. WHICHEVER IS EARLIER)

MODEL	AM-MPTC-1100-9D		SERIAL NUMBER	
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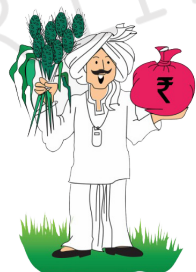
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DOS & DONTs

1. Always read the instruction manual supplied along with the equipments and understand the correct installation and operating procedures before attempting to use the equipments.
2. It is important to use the personal protection equipments such as head helmet with visor, ear defenders, goggles, safety gloves, cut resistant shoes, trousers and jackets while operating potentially dangerous machines
3. Avoid untrained persons using the equipments. Children must not be allowed to handle these equipments
4. Always use genuine spares and accessories in repairs and usage to derive maximum life of the equipments.
5. Always keep the equipments in good working condition to minimize loss of output as well as to reduce the pollution and save the environment
6. Do not use the machine within range of persons unless they wear protective clothing
7. Do not operate the machine when fatigued or under the influence of alcohol or drugs
8. When the machine is running, please maintain a constant water supply. Without water circulation will damage the sealing rings of the machine.
9. For more query kindly contact for our Service Center/Dealer/ franchise

AGRIMATE MULTI PURPOSE EQUIPMENT ANYWHERE - ANYTIME - ANY CROP



**ratnagiri
implex**

BRINGING YOU THE FUTURE... NOW

IMPORTED & MARKETING BY,

RATNAGIRI IMPEX PVT., LTD.,

Annapurna House, #1 / 1G, 7th Cross, New

Guddadahalli Mysore Road, Bangalore - 560 026

Missed Call : 7393 938 938 Email: ask@agrimart.in