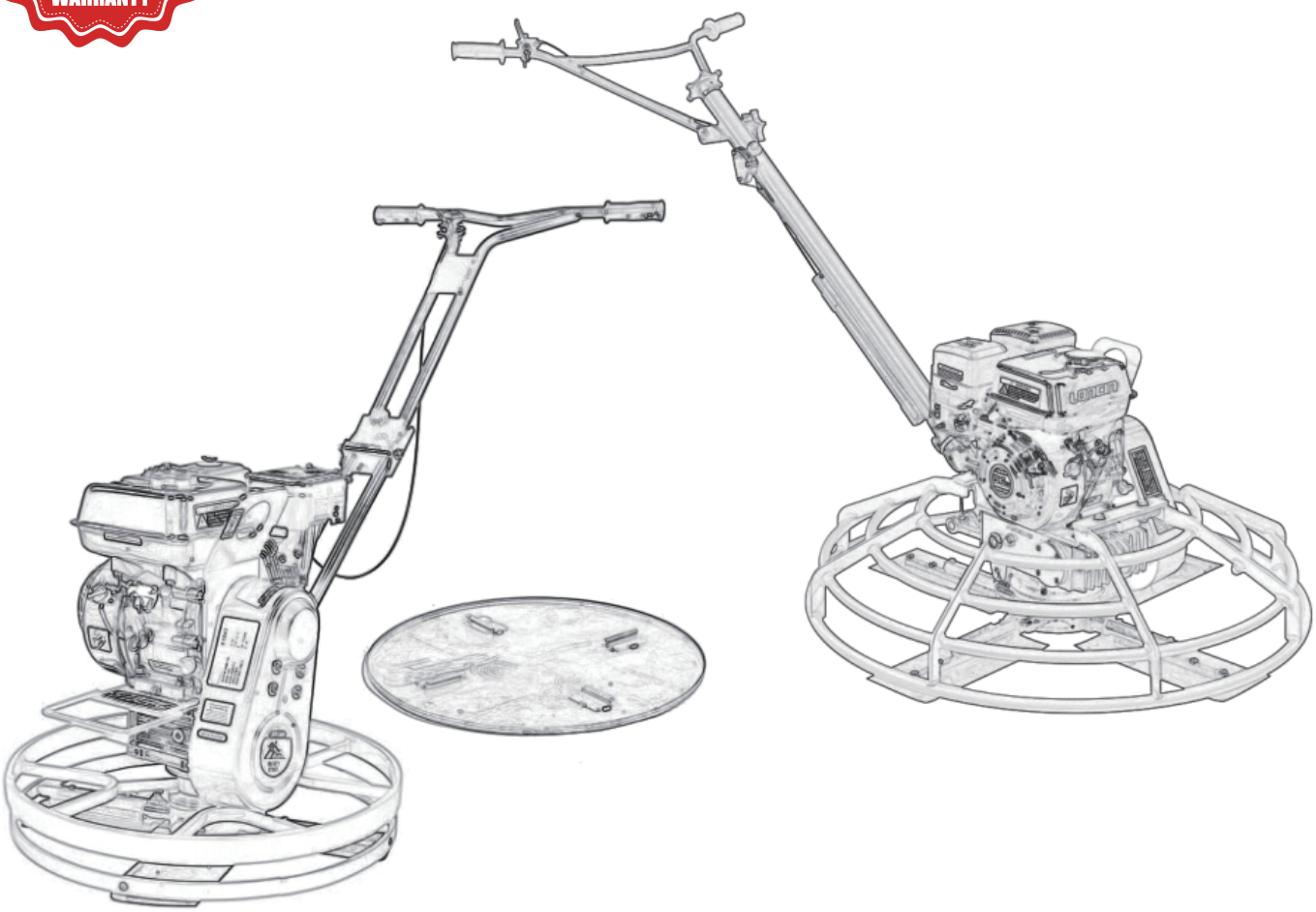
WALK BEHIND TROWEL

1 YEAR WARRANTY

Model: PT22H/PT22Z
PT36H/PT36Z
PT46H/PT46Z



Operator's Manual

MechMaxx

www.mechmaxx.com

TABLE OF CONTENTS

TABLE OF CONTENTS	1
SPECIFICATIONS	2
SAFETY LABELS	4
LABEL LOCATIONS	4
SAFETY LABELS	4
OPERATING LABELS	6
SPECIAL WARNING	7
SKETCH MAP	7
SAFETY NOTICE	8
EXHAUST NOTICE	8
GASOLINE IS FLAMMABLE	8
DEFEND HIGH TEMPERATURE	8
OPERATOR	8
RUNNING NOTICE	8
TRANSPORT NOTICE	8
CHECK BEFORE USING	9
CHECK THE ENGINE OIL	9
CHECK FUEL	9
CHECK THE GEAR OIL	9
TURN ON	10
TURN OFF	10
SIMPLE MAINTENANCE	11
ENGINE SECTION	11
PEDESTAL SECTION	11
WORK BACK-CHECK TABLE	12
TROUBLE SHOOTING	13
PARTS DIAGRAM (PT22H/PT22Z GENERAL ASSEMBLY)	16
PARTS LIST (PT22H/PT22Z GENERAL ASSEMBLY)	17
PARTS DIAGRAM (PT36H/PT36Z/PT46H/PT46Z GENERAL ASSEMBLY)	19
PARTS LIST (PT36H/PT36Z/PT46H/PT46Z GENERAL ASSEMBLY)	20

SPECIFICATIONS

Model	PT22H	PT22Z
Engine	Honda GX160	Zonsen GB210
Engine Type	Single-Cylinder, 4-Stroke, Air-Cooled, OHV Gasoline Engine	
Engine Displacement	163 cc	208 cc
Horsepower	4.8 HP (3.6kW) @ 3600 RPM	5.8 HP (4.3kW) @ 3600 RPM
Start System	Recoil	
Fuel Tank Capacity	3.3 US qt (3.1L)	2.8 US qt (2.6L)
Engine Oil Capacity	0.61 US qt (0.6L)	
Troweling Diameter	23 in	
Rotor Speed	60 - 125 RPM	
No. of Blades	4	
Blade Pitch	0 - 15°	
Overall Dimension (LxWxH)	33 x 24 x 23 in	
Weight	123lbs	

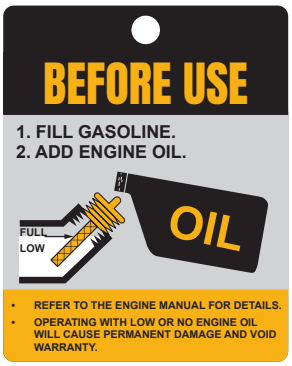
WALK BEHIND TROWEL

Model	PT36H	PT36Z
Engine	Honda GX160	Zonsen GB210
Engine Type	Single-Cylinder, 4-Stroke, Air-Cooled, OHV Gasoline Engine	
Engine Displacement	163 cc	208 cc
Horsepower	4.8 HP (3.6kW) @ 3600 RPM	5.8 HP (4.3kW) @ 3600 RPM
Start System	Recoil	
Fuel Tank Capacity	3.3 US qt (3.1L)	2.8 US qt (2.6L)
Engine Oil Capacity	0.61 US qt (0.6L)	
Troweling Diameter	36 in	
Rotor Speed	60 - 125 RPM	
No. of Blades	4	
Blade Pitch	0 - 15°	
Overall Dimension (LxWxH)	38 x 38 x 24 in	
Weight	176lbs	

Model	PT46H	PT46Z
Engine	Honda GX270	Zonsen GB460B
Engine Type	Single-Cylinder, 4-Stroke, Air-Cooled, OHV Gasoline Engine	
Engine Displacement	269 cc	459 cc
Horsepower	8.5 HP (6.3kW) @ 3600 RPM	15.0 HP (11kW) @ 3600 RPM
Start System	Recoil	
Fuel Tank Capacity	5.6 US qt (5.3 L)	6.3 US qt (6 L)
Engine Oil Capacity	1.16 US qt (1.1 L)	
Troweling Diameter	44 in	
Rotor Speed	60 - 125 RPM	
No. of Blades	4	
Blade Pitch	0 - 15°	
Overall Dimension (LxWxH)	47 x 47 x 24 in	
Weight	220lbs	231lbs

SAFETY LABELS

LABEL LOCATIONS

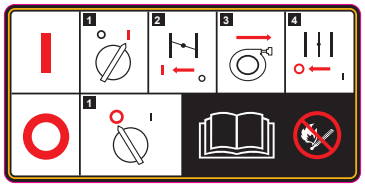














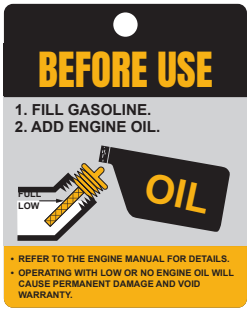




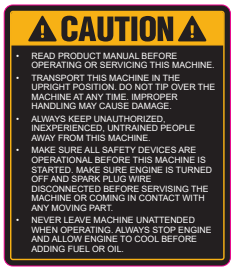
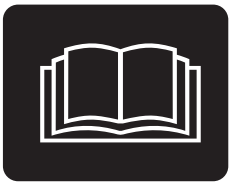
SAFETY LABELS

The machines use international pictorial labels where needed. These labels are described below:

NOTE: These molded-in label contains important safety and operating information. If the label becomes illegible, replace it immediately. Contact MechMaxx or an authorized service dealer for replacement labels.

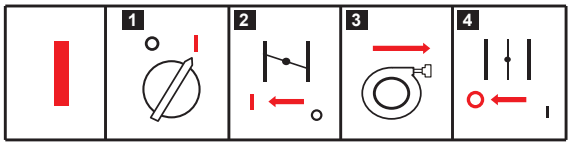
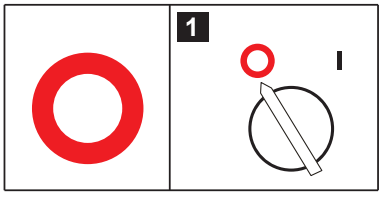
Label	Meaning
	**DANGER!** Wear appropriate PPE including gloves, eye protection, hearing protection, and safety footwear. Do not touch the engine or muffler during or immediately after operation—hot surfaces may cause burns. Keep hands and feet away from moving parts. Operate only in well-ventilated areas to avoid carbon monoxide exposure.
	**WARNING!** Before use, fill the fuel tank with gasoline and add engine oil to the proper level. Operating the engine with low or no oil will cause permanent engine damage and may void the warranty. Refer to the engine manual for detailed instructions.

WALK BEHIND TROWEL

Label	Meaning
	**CAUTION!** Read the operator's manual before operating the machine. Transport only in the upright position. Keep unauthorized persons away from the equipment. Ensure all safety devices are in place before starting the engine. Stop the engine and allow it to cool before servicing or refueling. Never leave the machine running unattended.
	**WARNING!** Rotating blades may cause serious injury. Keep hands and feet away from the guard ring and blade area during operation. Stop the engine before inspection, cleaning, or servicing.
	**CAUTION!** Use safe starting procedures. Maintain stable footing and proper control of the machine when starting the engine.
	**NOTICE:** Gearbox oil. Check and maintain the gearbox oil at the specified level using the recommended oil.
	**CAUTION!** Read the operator's manual for machine information.
	**DANGER!** Keep sparks, flames, and hot materials away from the machine.
	**CAUTION!** Lifting point.

OPERATING LABELS

The machines use international pictorial labels where needed. These labels are described below:

Label	Meaning
	START THE ENGINE 1. Turn the engine switch to the ON position 2. Close the choke 3. Pull the recoil starter 4. Open the choke.
	Stop the engine: Turn the engine switch to OFF position.
	Throttle control lever: Turtle = Idle or Slow Rabbit = Full or Fast

SPECIAL WARNING

Please be sure to check the level of oil, as following:

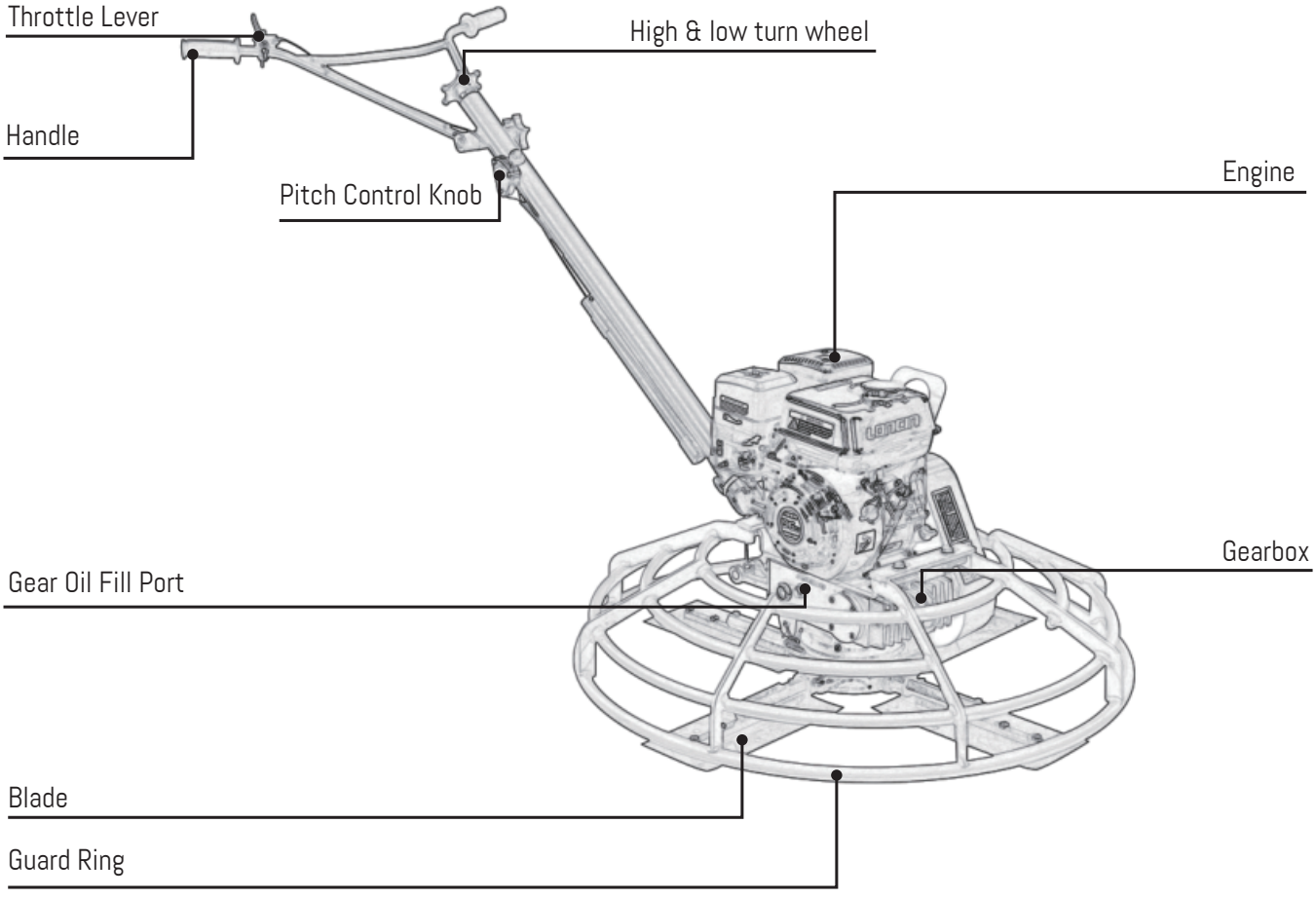
1.The level of oil in engine, please be sure the level of oil is the r ange within the oil ruler scale. The engine would be shattered if the oil level is too low or without oil.

2.The level of oil in pedestal, Please be sure the level of oil is below edge of the oil entrance. The speed-down machine would be s hattered if the oil level is too low or without oil. Please close the fuel switch before stopping the engine if the engine Will not be use for m ore one week, make the surplus oil be use out in the wasting on container, because the oil is the volatilH liquid. It would remain the semisolid matter after volatil the wasting oil container m ight be jammed, and the engine can't work normally.

Please be sure to read and know well the instr uction and the details of the engine ins truction and the operating regular. The maintenance and exact use is necessary in order to ensure person safety, extend useful life and reduce the troubles.

(You may match the machine indication to read the manual, It is concise and understandable.)

MACHINE OVERVIEW

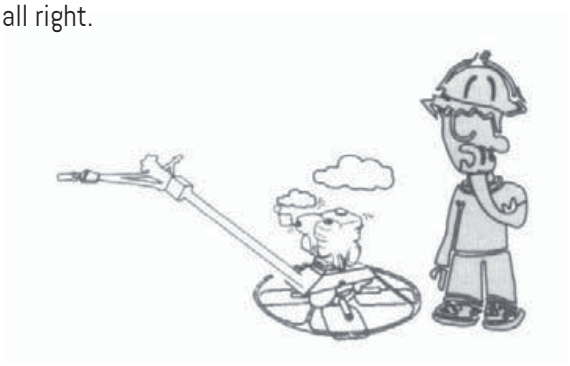


SAFETY NOTICE

EXHAUST NOTICE

Can't breathe in exhaust

Please rise the power trowel LQ the place with aerating all right.

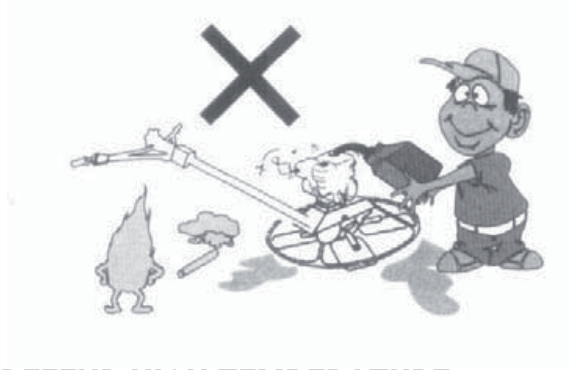


GASOLINE IS FLAMMABLE

Please stop the engine before putting oil gasoline.

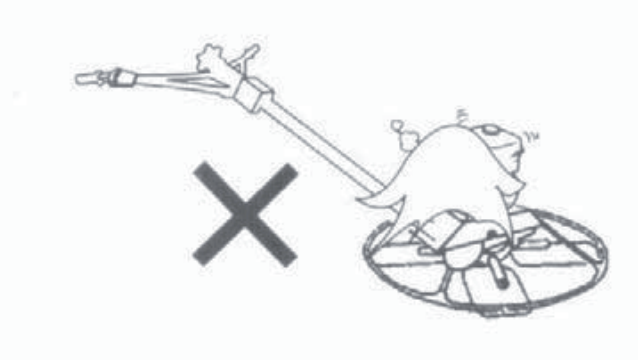
Don't add the gasoline too full and lean to using the machine

No smoking while you are putting on gasoline.



DEFEND HIGH TEMPERATURE

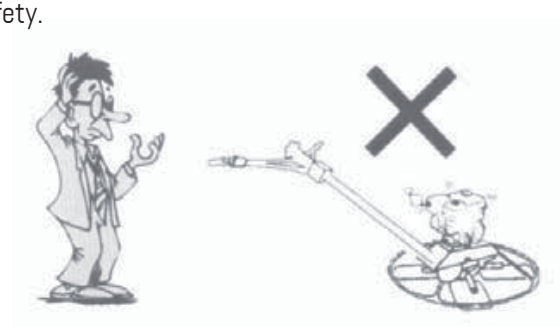
Don't touch muffler or cover when tK e machine is running or stopping. Don't cover the machine by cloth or plastic while it is running.



OPERATOR

Please the person unauthorized or which is not trained do not touch the equipment.

Please check often the sate of switch in order to keep safety.



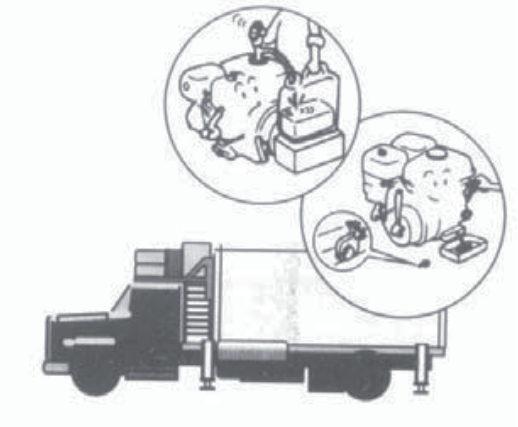
RUNNING NOTICE

As to operation and running components, please be sure to keep all safe equipments running without troubles.



TRANSPORT NOTICE

Please empty the engine gasoline when the machines are transported for far distance, in case the fuel machine can't work.



CHECK BEFORE USING

CHECK THE ENGINE OIL

Please put on machine oil first before using.

Because the machine Oil is drawn out before the products are leave factory.



CHECK FUEL

The product must use the normal lead-free gasoline.



CHECK THE GEAR OIL

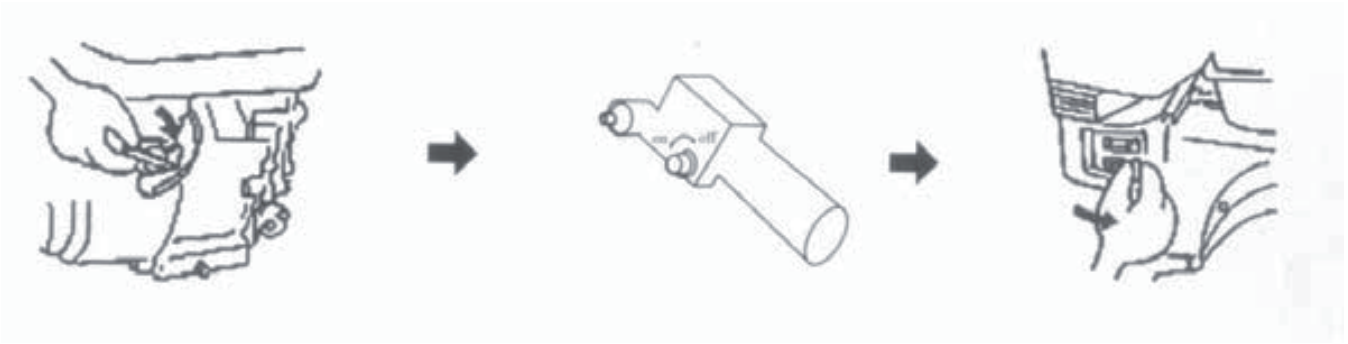
Because put on gear oil before using.

Because the gear oil is drawn out in the special status (air freight) when the products are transported.

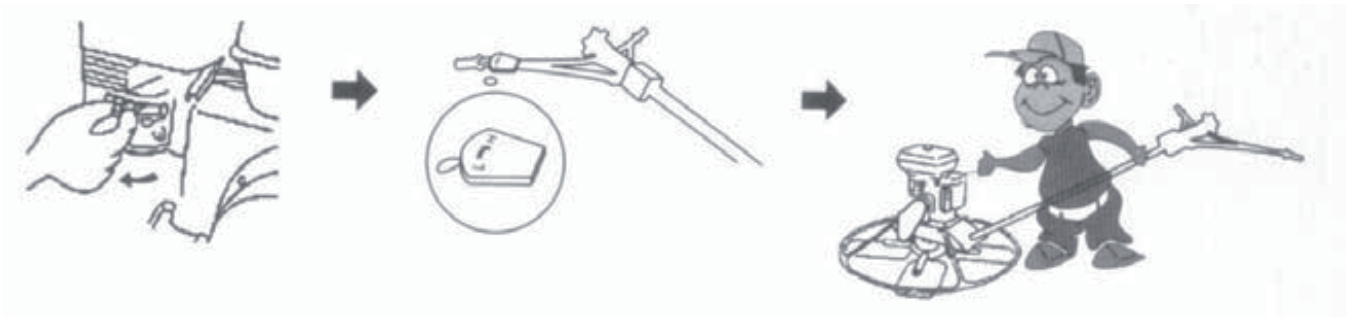


TURN ON

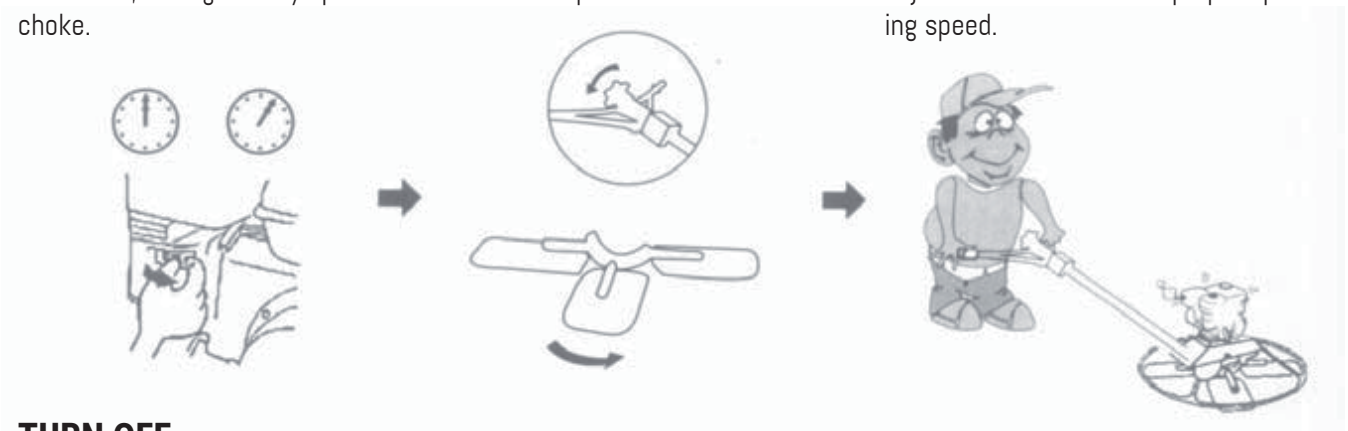
1. Set the engine switch to ON.
2. Set the safety switch to ON.
3. Open the fuel valve.



4. Close the choke for a cold engine.
5. Set the throttle lever to the middle position.
6. Hold the handle firmly and pull the recoil starter.



7. Allow the engine to warm up for 3 to 5 minutes, then gradually open the choke.
8. Adjust the blade pitch to the desired position.
9. Hold the handle with both hands and adjust the throttle to the proper operating speed.



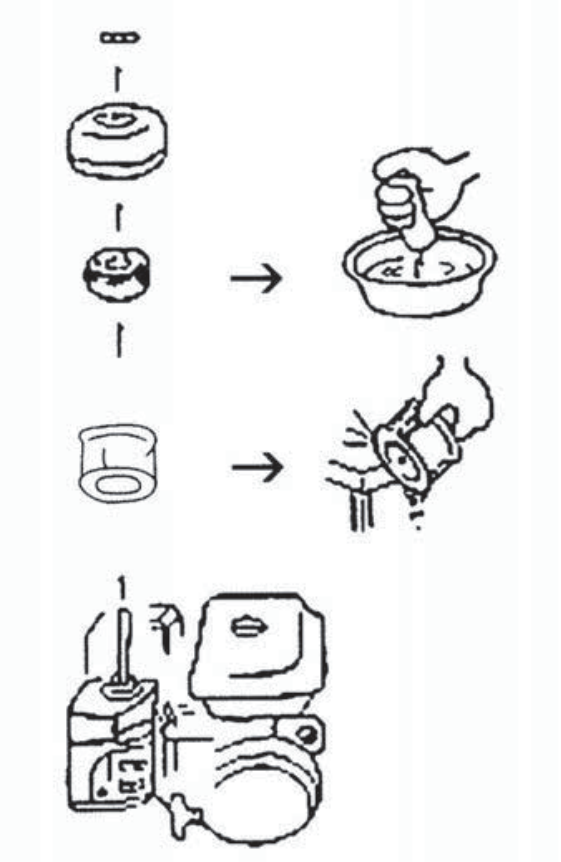
TURN OFF

1. Reduce the throttle to LOW / IDLE.
2. Set the safety switch to OFF.
3. Return the blades to the flat position.

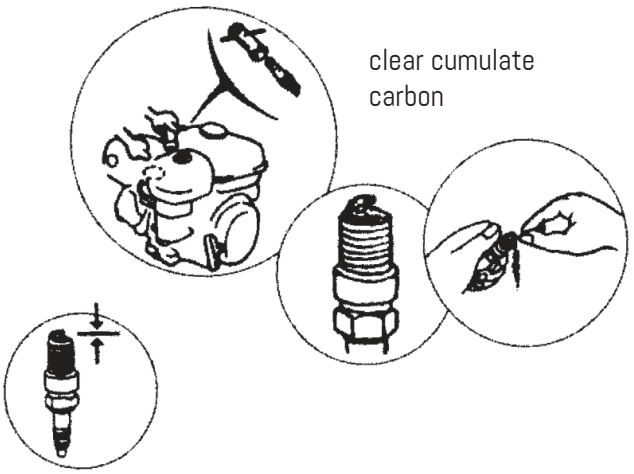
SIMPLE MAINTENANCE

ENGINE SECTION

Step: 1.Check and clear the air colander

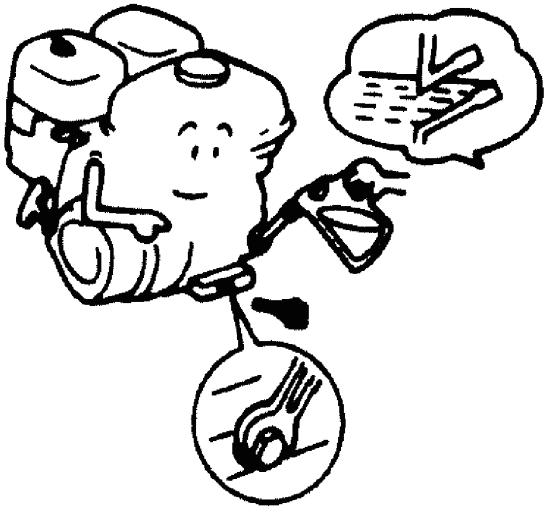


Step: 2.Check and clear the spark plug



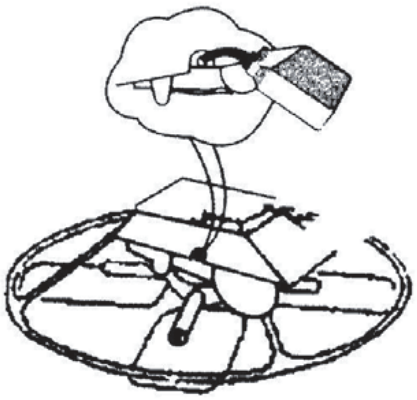
Adjust the gap to proper range (approximately 0.02-0.03 in)

Step: 3. Check and change the machine oil

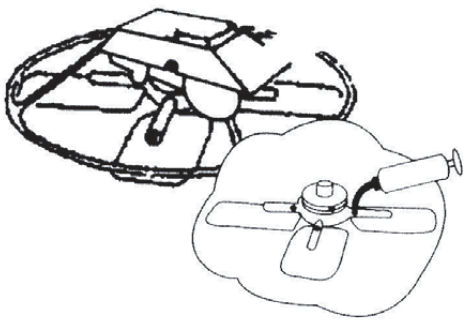


PEDESTAL SECTION

Step: 1. Append and change the gear oil



Step: 2. Butter blade and under pan in case rust



Please maintain the machine termly refer to the work back-check table

WORK BACK-CHECK TABLE

	(Day/Times) Every 8 hours	(Week/Times) Every 50 hours	(Month/Times) Every 200 hours
A. Engine			
1. Machine Oil	Check	Change Oil	
2. Spark Plug		Check	
3. Air Colander		Clean out	
B. Deceleration Machine		Check gear Oil	Check and Change Gear Oil
C. Blade Rest Oil Ni		Butter	
D. Axletree lid Oil Nib		Butter	
E. Strap		Check	Check or Change
F. Machine movement Point		Add a little engine oil	

TROUBLESHOOTING

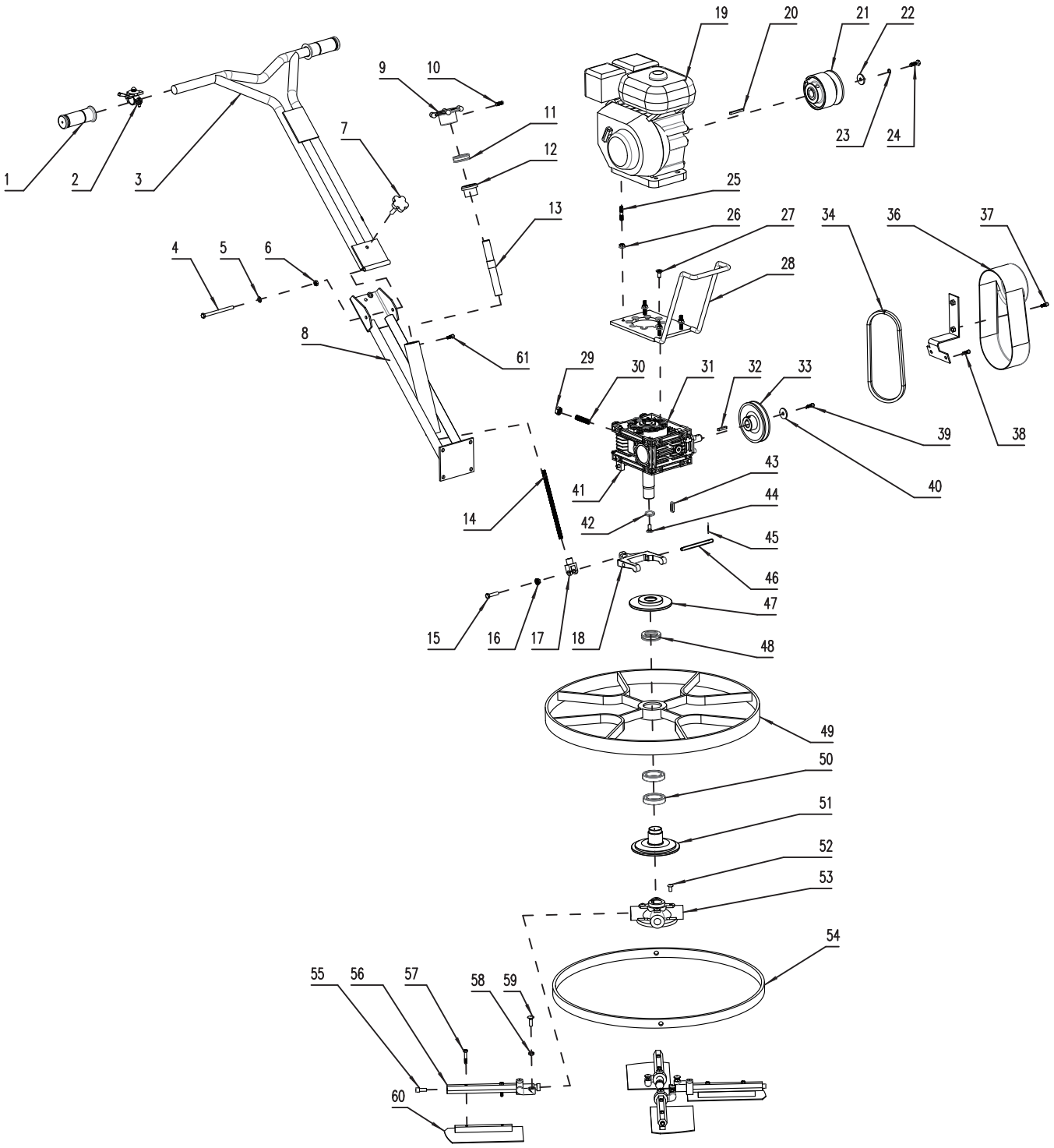
Before performing any inspection or maintenance, stop the engine, allow all moving parts to stop completely.
If the problem cannot be corrected using the procedures below, contact MechMaxx or a qualified service technician

Problem/Symptom	Possible Cause	Corrective Action
Engine will not start	Engine switch is OFF	Turn the engine switch to the ON position.
	Safety switch is OFF	Set the safety switch to the ON position.
	Fuel valve is closed	Open the fuel valve.
	Fuel tank is empty	Fill the tank with clean, fresh unleaded gasoline.
	Choke position is incorrect	Close the choke for a cold engine. Open or partially open the choke for a warm engine.
	Spark plug wire is loose or disconnected	Reconnect the spark plug wire securely.
	Spark plug is fouled or damaged	Clean or replace the spark plug.
	Engine oil level is too low	Add engine oil to the specified level.
	Air cleaner is clogged	Clean or replace the air cleaner.
	Fuel is stale or contaminated	Drain the fuel system and refill with fresh gasoline.
Engine starts but runs poorly	Choke is left closed after warm-up	Gradually open the choke after the engine starts.
	Air cleaner is dirty	Clean or replace the air cleaner.
	Spark plug is fouled	Clean or replace the spark plug.
Engine starts but lacks power	Fuel is stale or contaminated	Replace with fresh gasoline.
	Throttle linkage is out of adjustment	Inspect the throttle cable and linkage. Adjust if necessary.
Engine surges or speed is unstable	Governor or throttle linkage is sticking	Inspect linkage movement and correct any binding.
Engine overheats	Cooling fins are blocked by dirt or debris	Clean the engine cooling fins and surrounding areas.

Problem/Symptom	Possible Cause	Corrective Action
Engine runs but blades do not rotate properly	Throttle speed is too low	Increase engine speed to the proper operating range.
	Drive belt is loose or worn	Inspect belt tension and condition. Adjust or replace as needed.
	Clutch is slipping or damaged	Inspect the clutch. Repair or replace if necessary.
Engine runs but blades rotate weakly	Gearbox problem	Check gearbox oil level and inspect the gearbox for damage.
Engine runs but blade response is delayed	Belt or clutch is contaminated with oil or grease	Clean contaminated parts and correct the source of the leak.
Machine pulls excessively to one side	Blade pitch is uneven	Adjust blade pitch evenly.
Machine is difficult to steer	Handle position is not properly adjusted	Adjust the handle to a comfortable and controllable position.
Machine is unstable during operation	Blades are worn unevenly	Replace blades as a complete matched set.
Machine is difficult to control	Operating speed is too high for conditions	Reduce speed and recheck the blade pitch setting.
Machine jerks or feels unbalanced	Foreign material is stuck around the spider or blade arms	Clean all rotating components thoroughly.
Surface finish is uneven	Blade pitch is incorrect	Adjust blade pitch to suit finishing conditions.
	Blades are worn or bent	Replace damaged or worn blades.
Machine leaves marks on the surface	Blade angle is too aggressive	Reduce blade pitch.
Machine does not float properly	Wrong blades or pan are used	Install the correct blades or float pan for the application.
Machine does not finish smoothly	Concrete condition is not suitable	Operate only when slab condition is appropriate for troweling.
Excessive vibration or unusual noise	Blade arms or blades are damaged	Inspect and replace damaged parts.
	Fasteners are loose	Tighten all fasteners to specification.
	Gearbox or rotating assembly is worn	Inspect and repair as necessary.
	Gearbox oil level is low	Check and refill gearbox oil.

Problem/Symptom	Possible Cause	Corrective Action
Machine feels heavy or drags during rotation	Rotating assembly is contaminated or damaged	Clean and inspect the spider, blade arms, and gearbox output area
Blade pitch will not change	Pitch control linkage is jammed	Inspect and clean the linkage.
Blade pitch is difficult to adjust	Cable or adjustment mechanism is damaged	Inspect and replace damaged parts.
Blade pitch is inconsistent	Linkage is out of adjustment	Adjust linkage evenly on both sides.
Machine is difficult to start safely	Operator position is unstable	Stand in a stable position and maintain firm control of the handle.
Machine jumps or moves unexpectedly at startup	Throttle is set too high during startup	Start with the throttle in the recommended position.
Handle control feels loose	Handle fasteners are loose	Tighten the handle hardware.

PARTS DIAGRAM (PT22H/PT22Z GENERAL ASSEMBLY)

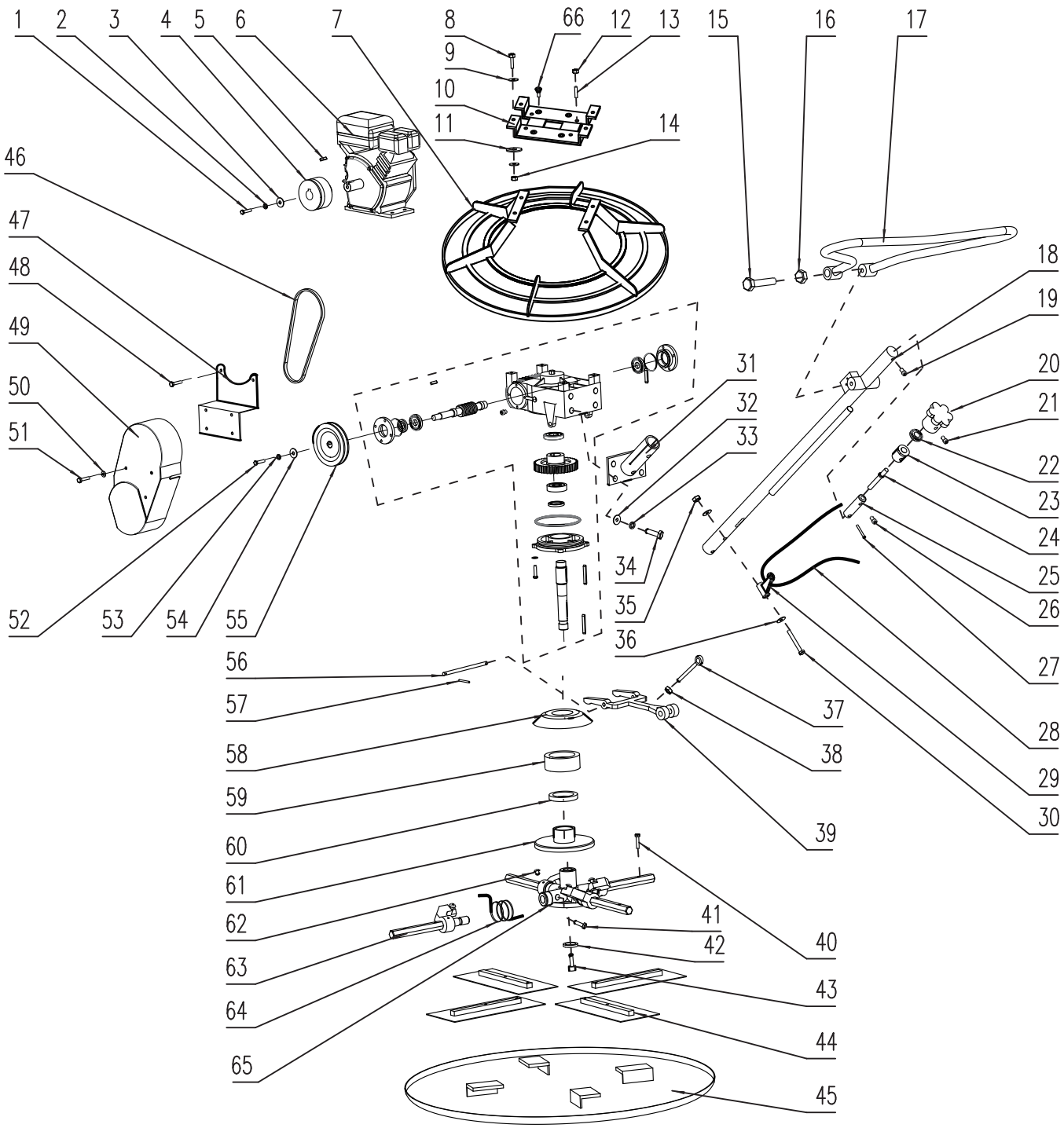


PARTS LIST (PT22H/PT22Z GENERAL ASSEMBLY)

No.	Description	Specification	Qty.
1	Plastic Handle		2
2	Throttle Switch Assembly		1
3	Control Handle		1
4	External Hexagon Bolt	M8*110	1
5	Flat Gasket	Ø8	2
6	Locked Nut	M8	1
7	Bakelite Plum Flower Bolt	M8*50	1
8	Armrest		1
9	Aluminum Lift Handle		1
10	Locked Bolt	M8*12	1
11	Plane Bearing	51204	1
12	Aluminum Fixing Sleeve		1
13	Lift Screw		1
14	Pitch Control Screw	M10	1
15	External Hexagon Bolt	M8*35	1
16	Locked Nut	M8	1
17	Pitch Control Rod Connector		1
18	Shift Lever		1
19	Engine		1
20	Key	5*40	1
21	Clutch Assembly		1
22	Enlarged Flat Gasket	8*30	1
23	Spring Gasket	Ø8	1
24	External Hexagon Bolt	M8*40	1
25	Bolt	M8*40	4
26	Flange Nut	M8	4
27	Inner Hexagon Bolt	M8*20	8
28	Supporting Seat		1
29	Locked Nut	M10	4

No.	Description	Specification	Qty.
30	Locked Bolt	M10*40	4
31	Worm-Gear Case		1
32	Key	6*30	1
33	Pulley		1
34	Belt		1
35	Belt Cover Bracket		1
36	Belt Cover		1
37	Inner Hexagon Bolt	M8*16	2
38	Round Head Bolt	M8*16	2
39	Inner Hexagon Bolt	M6*20	1
40	Enlarged Flat Gasket	6*24	1
41	Shift Fork of Support Block		2
42	Gasket		1
43	Key	M8*25	1
44	Countersunk Head Bolt	M8*30	1
45	Cotter	Ø3	2
46	Shift Fork of Pin		1
47	Shift Fork Disc		1
48	Plane Bearing	51107	1
49	Shield		1
50	Bearing	6908	2
51	Shield Shaft Seat		1
52	Countersunk Head Bolt	M8*20	4
53	Cross Shaft		1
54	Blade Retainer		1
55	Inner Hexagon Bolt	M8*20	1
56	Blade Shaft Assembly		4
57	External Hexagon Bolt	M6*35	8
58	Nut	M8	4
59	Step Bolt	M8*30	4
60	Blade		4
61	Inner Hexagon Bolt	M8*10	1

PARTS DIAGRAM (PT36H/PT36Z/PT46H/PT46Z GENERAL ASSEMBLY)



PARTS LIST (PT36H/PT36Z/PT46H/PT46Z GENERAL ASSEMBLY)

No.	Description	Specification	Qty.
1	External Hexangon bolt	M8*40	1
2	Spring Gasket	8	1
3	Conical flat gasket	Ø8*30	1
4	Clutch		1
5	Key	5*50	1
6	Engine		1
7	Blade cover		1
8	External Hexangon bolt	M12*40	4
9	Flat gasket	12	8
10	Engine support plate		1
11	Gasket	M12*40*4	4
12	Locked nut	M8	4
13	Stud bolt	M8*40	4
14	Locked nut	M12	4
15	External Hexangon bolt	M16*120	1
16	Nut	M16	2
17	Handle		1
18	Handle bar	Include switch	1
19	Inner Hexangon bolt	M8*10	1
20	Adjustable handle		1
21	Locked nut	M8*12	1
22	Panel bearing	51204	1
23	Aluminum bush		1
24	Adjustable arbor		1
25	Adjust bolt		1
26	Inner Hexangon bolt	M8*10	2
27	Cylindrical pin	Ø6*40	1
28	Wirerope		1
29	Wirerope support		1

No.	Description	Specification	Qty.
30	External Hexangon bolt	M10*80	2
31	Handle fixing seat		1
32	Flat gasket	10	4
33	Spring gasket	10	4
34	External Hexangon bolt	M10*25	4
35	Nut	M10	2
36	Flat gasket	10	4
37	Bolt	M10*90	1
38	Nut	M10	1
39	Shifting fork		1
40	External Hexangon bolt	M8*40	8
41	External Hexangon bolt	M10*25	4
42	Gasket of the pan		1
43	Inner Hexangon bolt	M12*30	1
44	Blade		4
45	Disc pan		1
46	Belt		1
47	Belt cover support		1
48	Inner bolt	M8*16	2
49	Belt cover		1
50	Flat gasket	6	4
51	Inner Hexangon bolt	M6*16	4
52	Inner Hexangon bolt	M8*20	1
53	Spring gasket	8	1
54	Enlarged flat gasket	Ø8*30	1
55	Belt pulley		1
56	Shifting fork shaft		1
57	Splitpin	Ø3*30	2
58	Pan 1		1
59	Bearing locating ring		1
60	Panel bearing	51209	1
61	Pan 2		1

No.	Description	Specification	Qty.
62	Oil filling port		4
63	Blade shaft and elbow		4
64	torsion spring		4
65	Cross shaft		1
66	Inner bolt	M10*20	4
A	Gearbox		1

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