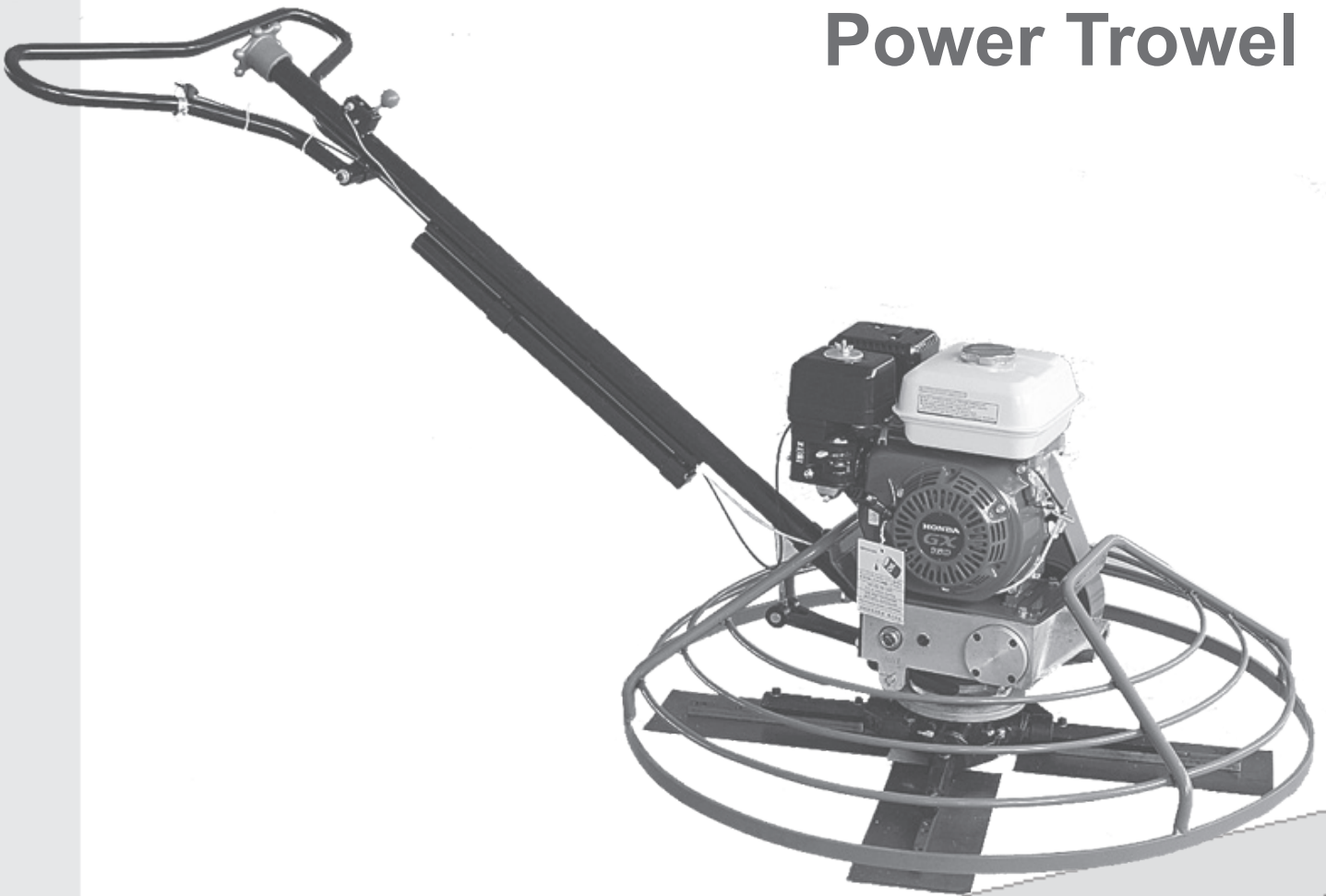


Operating Instruction and Parts Manual for

KPT 36/48

**Walk Behind
Power Trowel**



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FOREWARD

- For your own safety and protection from bodily injuries, carefully read, understand and follow the safety instructions in this manual.
- Please operate and maintain your machine in accordance with the instructions in this manual.
- Defective machine parts are to be replaced as soon as possible.
- Keep this owner's manual handy, so you can refer to it at any time.
- No part of this publication may be reproduced without written permission.
- We expressly reserve the right to technical modifications- even without express due notice - which aim at improving our machines or their safety standards.

FEATURE

QJM1000 Walk-behind Power Trowel can be used in surface finishing of concrete road, terrace, boatyard, airport and floor etc.

Deadman switch design provide safe. A sophisticated system to protect the operator from an out-of-control spinning handle. When the operator is using a walk-behind power trowel and let go of the safety sensor detects the motion of the handle and stops the engine before the handle reaches a 45-degree rotation. The handle can be adjusted due to the stature of operator, and it offers maximum control and comfort for the operation. The alloy blades which have get heat treatment are worn well. Low center of gravity provides workers with safe and stable operation.

SPECIFICATION

KPT 36

Weight: 83kg
 Diameter: 980mm
 Float pan diameter: 945mm
 Trowel blade rev: 70r/min~140r/min
 Overall diameter: 1820×945×980mm
 Blades: 4
 Gearbox oil: WA460
 Gearbox oil capacity: 950ml
 Power output: 5.5hp
 Engine type: HONDA GX160
 Fuel capacity (L): 3.6
 Engine oil type: Recommended
 SAE10W-30
 Engine oil capacity (L): 0.6

KPT 48

Weight: 119kg
 Diameter: 1175mm
 Float pan diameter: 1180mm
 Trowel blade rev: 70r/min~140r/min
 Overall diameter: 2080×1170×1020mm
 Blades: 4
 Gearbox oil: WA460
 Gearbox oil capacity: 950ml
 Power output: 9/13hp
 Engine type: HONDA GX270/390
 Fuel capacity (L): 6/6.5
 Engine oil type: Recommended
 SAE10W-30
 Engine oil capacity (L): 1.1

1. Before starting operation, the operator has to check that all control and safety devices function properly.
2. Always keep unauthorized, inexperienced, untrained people away from this machine.
3. Rotating and moving parts will cause injury if contacted. Make sure guards are in place. Keep hands and feet away from moving parts.
4. The engine must always be stopped before attempting any repair or adjustments. Ignition switch should be off.
5. To avoid slipping and loss of control when starting the trowel, the operator should maintain good footing. It is recommended that the operator wear safety shoes for added protection.
6. Be careful when working around pipes or ducts protruding from the floor or slab edges. If the trowel blades hit such obstacles, damage to the machine or possible operator injury may result.
7. When starting the machine, do not exceed 1/3 throttle position. A higher setting may cause the Centrifugal clutch to engage and the handle to rotate.
8. Be careful not to come in contact with the muffler when the engine is hot, serious burns may result!
9. Over time, the blades will form a sharp edge. Be careful when handling the old blades.
10. Gasoline is extremely flammable, and gasoline vapor can explode. Refuel outdoors, in a well-ventilated area, and keep other flames and sparks away.
11. Do not fill the fuel tank completely. After refueling, tighten the fuel tank cap securely.
12. Before beginning your preoperational checks, be sure the engine is level and the engine switch is in the OFF. The max. gradient of 20° must not be exceeded when the engine working.
13. Don't allow children to operate the engine. Keep children and pets away from the area of operation.
14. After each use your machine should be cleaned to remove any dust and debris from the undercarriage and surrounding components.
15. When the machine start working you should be check the clutch whether or not wear and tear. If the clutch will have 3/4 worn and torn, you must change new clutch-ring.
16. Check that all shields and covers are in place, and all nuts, bolts, and screw are tightened when the machine working. Make sure put the cable while the machine working.

MAINTENANCE RECORD

Due to the nature and environment of use, Walk-behind Power Trowels could be exposed to severe operating conditions. Some general maintenance guidelines will extend the useful life of your trowel.

1. The initial service for your trowel should be performed after 25 hours of use, at which time your mechanic (or authorized repair shop) should complete all of the recommended checks in the schedule below. The chart is handy for keeping a record of the maintenance performed and the parts used for servicing your trowel.
2. Regular service according to the schedule below will prolong the life of the Walk-behind Power Trowel and prevent expensive repairs.
3. Keeping your Walk-behind Power Trowel clean and free from debris is the single most important regular maintenance operation, over and above the checks in the service schedule above, that can be performed. After each use your Walk behind Power Trowel should be cleaned to remove any dust and debris from the undercarriage and surrounding components. Use of a power washer will make clean up quick and easy, especially if a non-stick coating was applied prior to use.
4. In the Service Schedule below, items that should be checked, replaced or adjusted are indicated by "o" in the appropriate column. Not all Walk-behind Power Trowel models include the same features and options and as such not all service operations may have to be performed. For ease of recording place a checkmark (✓) through the "o" when the item is complete. If an item is not required or not complete place an "x" through the "x" in the box.

CAUTIONS! Over time, if the blades will have 3/4 worn and torn, you must change new trowel blades.

MAINTENANCE SCHEDULE

| Routine Service Intervals | Each use | After 1.5 Months or 50 hrs | Each 3 Months or 100 hrs | Each 6 Months or 200 hrs | Each 9 Months or 300 hrs | Each 12 Months or 400 hrs |
|---------------------------|-----------------|----------------------------|--------------------------|--------------------------|--------------------------|---------------------------|
| General Inspection: | | | | | | |
| Guards | Check | ○ | ○ | ○ | ○ | ○ |
| Warning Stickers | Check | ○ | ○ | ○ | ○ | ○ |
| Test Run | Check Operation | | ○ | ○ | ○ | ○ |
| Controls: | | | | | | |
| Dead-Man Switch Operation | Check | ○ | ○ | ○ | ○ | ○ |
| Pitch Control Assembly | Check | ○ | ○ | ○ | ○ | ○ |
| | Lubricate | | ○ | ○ | ○ | ○ |
| Engine: | | | | | | |
| Engine oil | Check level | ○ | ○ | ○ | ○ | ○ |
| | Change | | ○ | ○ | | ○ |
| Engine Oil Filter | Replace | | | ○ | | ○ |
| Oil Cooler | Clean | | ○ | ○ | ○ | ○ |
| Cooling Fins | Clean | | ○ | ○ | ○ | ○ |
| Air cleaner | Check-clean | | ○ | ○ | ○ | ○ |
| | Replace | | | | | ○ |
| Air Intake Line | Check | | ○ | | | |
| | Replace | | | | | 2 yrs |
| Fan Belt | Check tightness | | | | ○ | ○ |
| | Replace | | | | | 500 hrs |
| Valve Clearance | Check-Adjust | | | | ○ | ○ |
| Fuel filter | Check & Clean | | ○ | ○ | ○ | ○ |
| | Replace | | | ○ | | ○ |
| Fuel Tank | Clean | | | | | 500hrs |
| Engine wiring | Check | | | | | ○ |
| Drive Train: | | | | | | |
| Clutch/Pulley Operation | Check | ○ | ○ | ○ | ○ | ○ |
| Spider plate assembly | Check | ○ | ○ | ○ | ○ | ○ |
| | Lubricate | | | | ○ | ○ |
| V-Belt | Check | ○ | ○ | ○ | ○ | ○ |
| Blades | Check | ○ | ○ | ○ | ○ | ○ |
| Gearbox: | | | | | | |
| Gearbox oil | Check level | | | | ○ | ○ |
| | Check | ○ | | | ○ | ○ |
| Gearbox Breathers | Check Operation | | ○ | ○ | ○ | ○ |

OPERATION ELEMENTS

V-belt is driven gearbox by engine, and then transmit torque to trowel and the machine working. The trowels can be adjusted due to the stature of operator through pitch control assembly. Dead man switch designs provide safe and stable operation. Holding the deadman lever before start the engine, and loosening deadman lever the machine will stop working.

OPERATION (Floating)

When the slab has set sufficiently firm that the operator's footprint leaves a very slight depression on the surface of the slab, it is ready for the floating operation.

Guiding the machine on the slab is very simple; a slight upward lift of the handle causes the machine to travel to the left. Holding the handle in the neutral position, will slowly cause the machine to spin in one spot. Slight downward pressure on the handle cause the machine to the travel to the right. Best results are obtained by covering approximately 4" on each turn. In other words, let the machine move right or left, backwards or forwards, approximately 4" with each revolution of the trowels. To fill a hole or cut down hump, move the unit back and forth over the problem area.

Under normal operating conditions the machine should cover as much as 1000 sq. ft. in about 15 minutes. It is recommended that a slight tension on the trowel control cable, (but not a definite tilt), during the floating operation will cause the machine to operate much smoother. After the floated slab has set sufficiently, it is ready for the finishing operation.

CAUTION! Do not let the machine stand in one spot on the soft cement. Lift from the slab when the floating operation is complete.

OPERATION (Finishing)

When starting the finishing operation, never set the trowels up over 1/4" pitch.

After the floating operation, the first thing to do is to remove the floating disc from the blades. Clean the blades, spider plate and disc from cement paste collected during the floating operation. Increase the blade pitch up to a maximum of 1 cm for the first finishing operation and then continue to increase the pitch on the following finishing operations. Continue the finishing passes until you obtain the desired floor finish. The time required between each finishing pass is again dependent on the weather conditions and water content of the concrete etc. If some areas of the concrete set/harden too fast you may apply a small amount of water using a hand brush as an aid to achieving the finish.

STARTING & STOPPING PROCEDURE

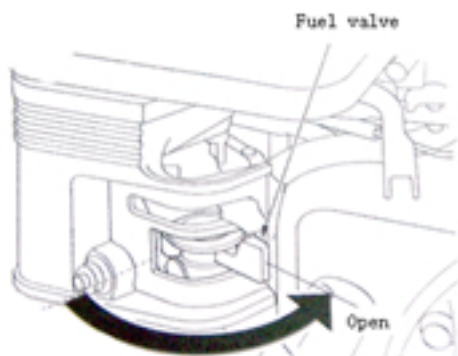
1. Before operation checks

- Check the oil level: Before beginning your preoperational checks, be sure the engine is level and the engine switch is in the OFF. Remove the filler cap/dipstick and wipe it clean. Insert and remove the dipstick without screwing it into the filler hole. Check the oil level shown on the dipstick. If the oil level is low, remove the oil filler cap, and fill to the upper limit mark on the dipstick with recommended oil. Screw in the filler cap/dipstick securely. SAE 10W-30 is recommended for general use. The engine is certified to operate on unleaded gasoline with a research octane rating of 90 or higher. Unleaded gasoline produces fewer engine and spark plug deposits and extends exhaust system life. Never use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt or water in the fuel tank.
- Check air filter: Remove the air cleaner cover and inspect the filter. Clean or replace dirty filter elements. Always replace damaged filter elements. If equipped with an oil-bath air cleaner, also check the oil level.

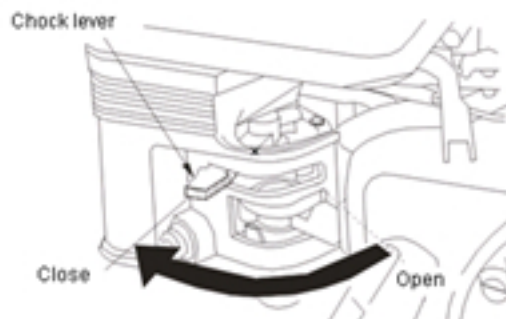
Notice! Running the engine with a low oil level can cause engine damage.

2. Start engine/Stopping engine procedure

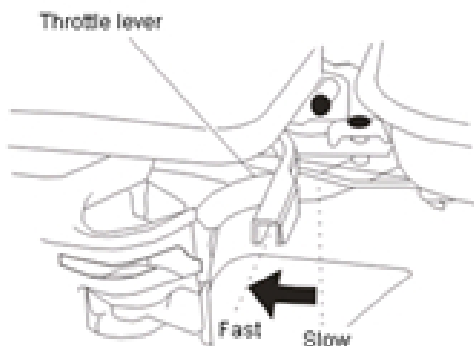
- Move the fuel valve lever to the ON position.



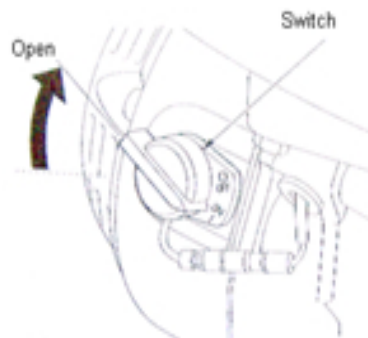
- Move the choke lever to the CLOSE position. If the engine is warm or the air temperature is high, move the control lever away from the OPEN position as soon as the engine starts.



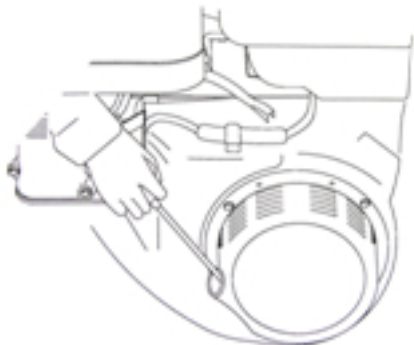
- Move the throttle lever away from the SLOW position, about 1/3 of the way to toward the FAST position.



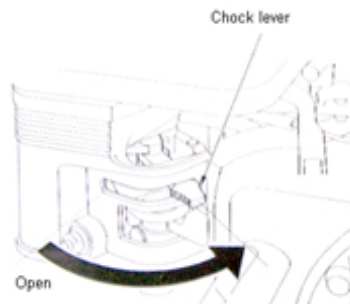
- Turn the engine switch to the ON position.



e. Pull the starter grip lightly until you feel resistance, then pull briskly. Return the starter grip gently.
CAUTION! Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter.

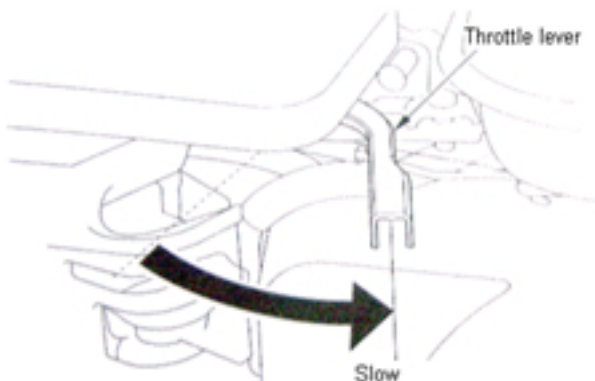


f. If the chock lever or chock rod (applicable types) has been moved to the CLOSED position to start the engine, gradually move it to the OPEN position as the engine warms up.

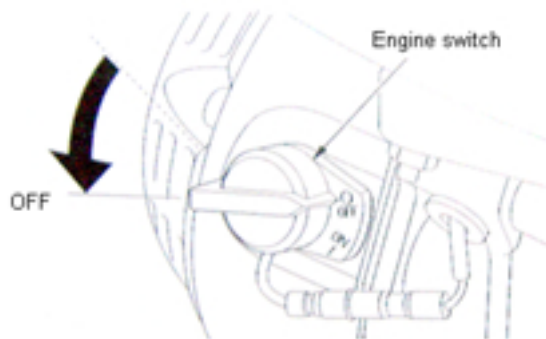


3. Stopping the engine

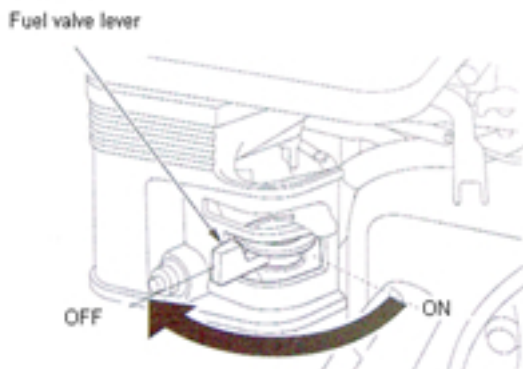
a. Move the throttle lever to the SLOW position.



b. Turn the engine switch to the OFF position.



c. Turn the fuel valve lever to the OFF position.



4. Setting engine speed

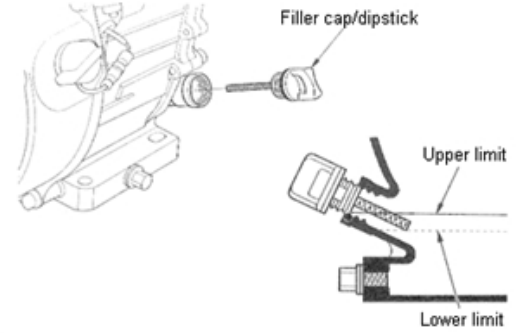
Position the throttle lever the desired engine speed.

LUBRICATION

1. Engine oil level check

Check the engine oil level with the engine stopped and in a level position.

1. Remove the filler cap/dipstick and wipe it clean.
2. Insert and remove the dipstick without screwing it into the filler neck. Check the oil level shown on the dipstick.
3. If the oil level is low, fill to the edge of the oil filler hole with the recommended oil.
4. Screw in the filler cap/dipstick securely.



2. Engine oil change

Drain the used oil while the engine is warm. Warm oil drains quickly and completely.

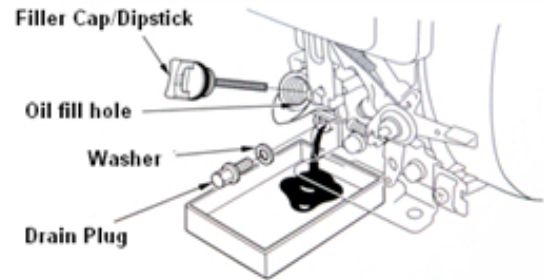
1. Place a suitable container below the engine to catch the used oil, then remove the filler cap/dipstick, drain plug, and washer.
2. Allow the used oil to drain completely, then reinstall the drain plug, washer, and tighten drain plug securely.

Notice! Please dispose of used motor oil in a manner that is compatible with the environment. We suggest you take used oil in a sealed container to your local recycling center or service station for reclamation. Do not throw it in the trash; pour it on the ground, or down a drain.

3. With the engine in a level position, fill to the outer edge of the oil filler hole with the recommended oil.

Notice! Running the engine in a low oil level can cause engine damage.

4. Screw in the filler cap/dipstick securely.



SPARK PLUGS

Recommended spark plugs: BPR6ES (NGK). For good performance, the spark plug must be properly gapped and free of deposits.

Notice! An incorrect spark plug can cause engine damage.

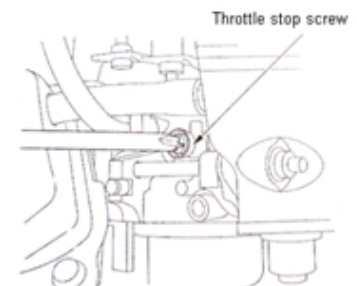
1. Disconnect the spark plug cap, and remove any dirt from around the spark plug area.
2. Remove the spark plug with a 13/16-inch spark plug wrench.
3. Inspect the spark plug. Replace it if the electrodes are worn heavy carbon buildup is found, or if the insulator is cracked or chipped.
4. Measure the spark plug electrode gap with a suitable gauge. The gap should be 0.028-0.031 in (0.70 - 0.80 mm). Correct the gap, if necessary, by carefully bending the side electrode.
5. Check that the spark plug washer is in good condition. Install the spark plug carefully, by hand, to avoid cross-threading.
6. After the spark plug seats, tighten with a 13/16-inch spark plug wrench to compress the sealing washer.
7. When installing a new spark plug, tighten 1/2 turn after the spark plug seats to compress the washer.
8. After the spark plug seats, tighten with a 13/16-inch spark plug wrench to compress the sealing washer. If reinstalling the used spark plug, tighten 1/8 - 1/4 turn after the spark plug seats. If installing a new spark plug, tighten 1/2 turn after the spark plug seats.
9. Attach the spark plug cap.

NOTICE! The recommended spark plug has the correct heat range for normal engine operating temperatures. A loose spark plug can overheat and damage the engine. Over tightening the spark plug can damage the threads in the cylinder head.

CARBURETTOR ADJUSTMENT

1. Start the engine outdoors, and allow it to warm up to operating temperature.
2. Move the throttle lever to its slowest position.
3. Turn the throttle stop screw to obtain the standard idle speed.

Standard idle speed: 1440r/min



AIR FILTER SERVICE

A dirty air filter will restrict air flow to the carburetor, reducing engine performance. If you operate the engine in very dust areas, clean the air filter more often than specified in the MAINTENANCE SCHEDULE.

WARNING! Never use gasoline or low flammable point solvents for cleaning the air cleaner element. A fire or explosion could result.

NOTICE! Operating the engine without an air filter element, or with a damaged air filter element, will allow dirt to enter the engine, causing rapid engine wear.

1. Remove the wing nut from the air cleaner cover, and remove the cover.
2. Remove the wing nut from the air filter, and remove the filter.
3. Remove the foam air filter element from the paper filter.
4. Inspect both air filter elements, and replace them if they are damaged.
5. Paper air filter element: Tap the filter element lightly several times on a hard surface to remove excess dirt, or blow compressed air through the filter element from the inside out. Never try to brush the dirt off; brushing will force dirt into the fibers.
6. Foam air filter element: Clean in warm soapy water, rinse, and allow to dry thoroughly. Or clean in nonflammable solvent and allow to dry. Dip the filter element in clean engine oil, and then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the foam.

STORAGE

The following steps should be taken to prepare your Walk-behind Power Trowel for extended storage.

1. Close fuel shut off valve.
2. Siphon excess gasoline from tank.
3. Start engine until it stops from lack of fuel. This will use up all the fuel in the carburetor and prevent formation of deposits due to evaporation of fuel.
4. Remove spark plug and pour 2 oz. of SAE-30 or SAE-40 motor oil into the cylinder. Slowly crank the engine 2 or 3 times to distribute the oil throughout the cylinder. This will help prevent rust during storage. Replace spark plug.
5. Store the unit in an upright position in a cool, dry, well ventilated area.

TROUBLESHOOTING

1. WON'T START

- Throttle fully open
- Hand lever wire broken
- No gas
- Dirty gas
- No oil
- Gas filter plugged
- Gas line plugged
- Hole in gas line
- Gas supply valve turned off
- Dead-man safety switch is off
- Safety switch wire or connectors not making good contact
- Other engine problems (Refer to engine manual)

2. STARTS BUT NO HIGH SPEED

- Engine problems
- Throttle lever and connectors loose or out of adjustment
- Throttle cable broken or seized
- Clutch shoes worn

3. STARTS AT HIGH SPEED, WON'T SLOW DOWN

- Same as above

4. ENGINE WON'T STOP

- Safety switch, wire or connectors not making good contact
- Micro-switch burnt out

5. ENGINE STARTS BUT WON'T TURN TROWELS AT ANY SPEED

- Clutch seized
- Gearbox seized
- No weights in clutch
- Broken or missing key
 - Clutch seized
 - Pulley
 - Worm gear (countershaft)
 - Main gear
 - Spider plate
- Wrong belt

6. TROWELS TURN, ENGINE AT IDLE

- Idle too fast
- Belt too tight
- Clutch seized
- Pulley out of alignment

7. TROWELS BLADES WEARING UNEVENLY

- Spider plate seized
- Arms bent
- Adjusting screws (carriage bolts) incorrectly set
- Floating disc not evenly attached to the blades

8. MACHINE JUMPS ON FLOOR

- Concrete hardened on bottom of spider plate
- Trowels unevenly worn/bent
- Spider plate seized
- Spider plate loose
- Trowel arms bent
- Adjusting screws (carriage bolts) incorrectly set
- Main shaft bent

9. PITCH CONTROLS WILL NOT OPERATE BLADES

- Cable broken or out of adjustment
- Pressure plate assembly contaminated with concrete debris
- Slot screw missing (under-side of handle)
- Spider plate seized
- Pressure plate and/or yoke arm broken or badly worn
- Hand crank adjuster malfunctioning

10. BELT WEARING RAPIDLY

- Belt is too tight
- Wrong belt/defective belt
- Gearbox seizing
- Pulley out of alignment
- Clutch sticking

11. OIL LEAKS**a. Top of gearbox**

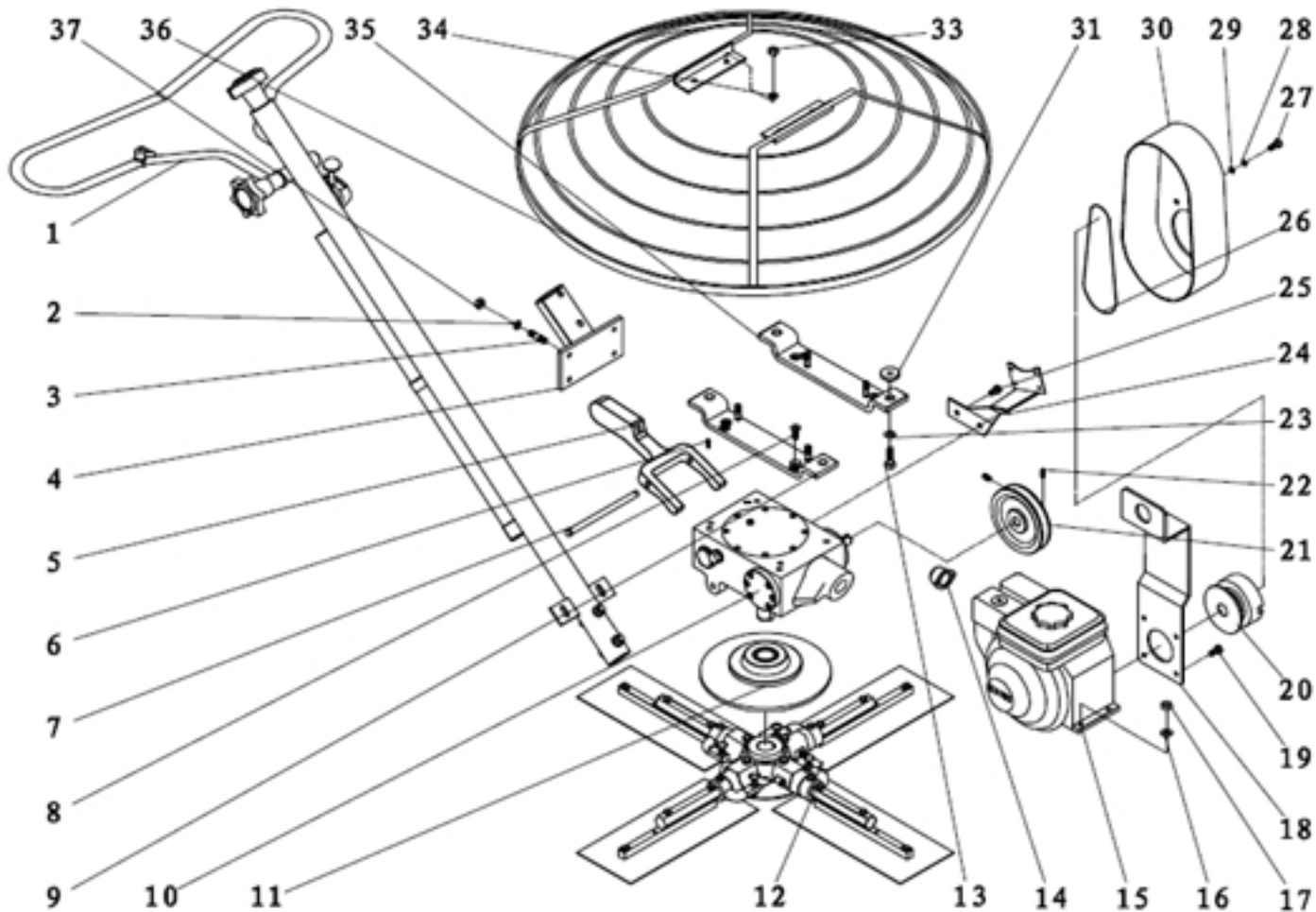
- Gearbox seal worn
- Engine leaks
- Too much oil in gearbox

b. At main shaft or countershaft

- Shaft and/or seal worn
- Retaining screw(s) loose

12. TROWEL BLADES WILL NOT TURN

- Yoke arm broken
- Key sheared
- Gearbox malfunction

Diagram - 36**1. Walk-behind power trowel assembly**

KPT 36 Power Trowel Part List

| Item | Part No. | Part name | Qty |
|------|----------|-------------------------|-----|
| 1 | 36001 | Handle assembly | 1 |
| 2 | 36002 | Washer 10 | 4 |
| 3 | 36003 | Stud M10×45 | 4 |
| 4 | 36004 | Handle bracket | 1 |
| 5 | 36005 | Yoke arm | 1 |
| 6 | 36006 | Retaining ring | 1 |
| 7 | 36007 | Pin | 1 |
| 8 | 36008 | Screw M10×25 | 7 |
| 9 | 36009 | Mounting rails I | 1 |
| 10 | 36010 | Gearbox assembly | 1 |
| 11 | 36011 | Pressure plate assembly | 1 |
| 12 | 36012 | Spider plate assembly | 1 |
| 13 | 36013 | Bolt M10x45 | 4 |
| 14 | 36014 | Releaser hood | 1 |
| 15 | 36015 | Engine GX160 | 1 |
| 16 | 36016 | Washer 8 | 4 |
| 17 | 36017 | Lock Nut 8 | 4 |
| 18 | 36018 | Hoist hook | 1 |
| 19 | 36019 | Bolt 5/16"×20 | 4 |
| 20 | 36020 | Clutch A | 1 |
| 21 | 36021 | Pulley | 1 |
| 22 | 36022 | Screw M8×16 | 2 |
| 23 | 36023 | Washer 10 | 4 |
| 24 | 36024 | Belt-mounting plate | 1 |
| 25 | 36025 | Bolt M8×16 | 2 |
| 26 | 36026 | Belt A-27 | 1 |
| 27 | 36027 | Bolt M6×20 | 4 |
| 28 | 36028 | Gasket 6 | 2 |
| 29 | 36029 | Washer 6 | 2 |
| 30 | 36030 | Belt guard | 1 |
| 31 | 36031 | Shock mount | 4 |
| 33 | 36033 | Lock NutM10 | 4 |
| 34 | 36034 | Washer 10 | 4 |
| 35 | 36035 | Mounting rails II | 1 |
| 36 | 36036 | Guard ring | 1 |
| 37 | 36037 | Lock NutM10 | 4 |

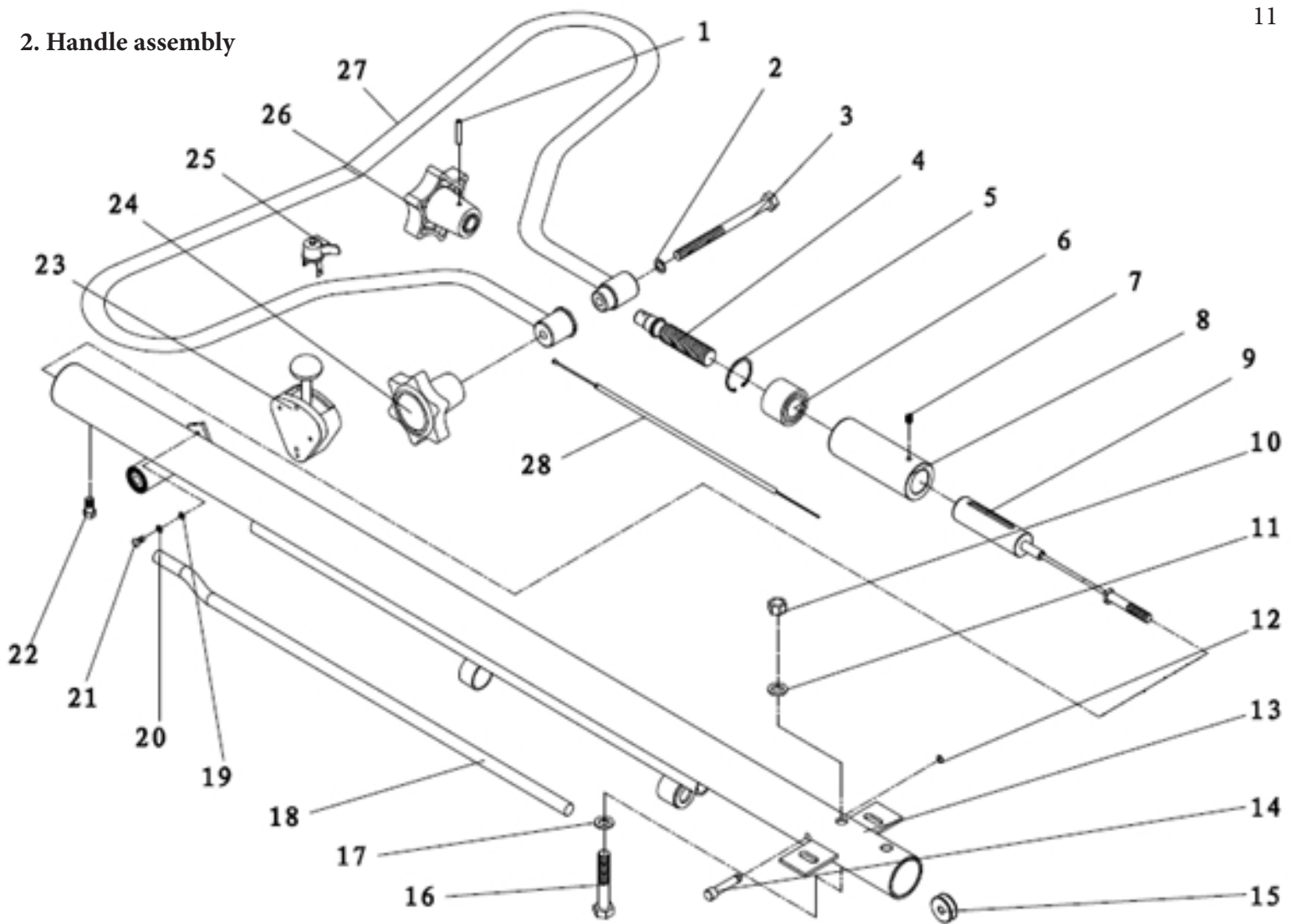
Handle Part List

| Item | Part No. | Part name | Qty |
|------|----------|-------------------|-----|
| 1 | 36201 | Pin 5×35 | 1 |
| 2 | 36202 | Gasket 10 | 1 |
| 3 | 36203 | Bolt M10×200 | 1 |
| 4 | 36204 | Threaded rod | 1 |
| 5 | 36205 | Retaining ring 35 | 1 |
| 6 | 36206 | Bearing 51203 | 1 |
| 7 | 36207 | ScrewM6×8 | 1 |
| 8 | 36208 | Bushing | 1 |
| 9 | 36209 | Throttle cable | 1 |
| 10 | 36210 | Lock Nut M12 | 2 |
| 11 | 36211 | Washer 12 | 2 |
| 12 | 36212 | Retaining ring 8 | 1 |
| 13 | 36213 | Rigid handle | 1 |
| 14 | 36214 | Pin | 1 |
| 15 | 36215 | Pulley | 1 |
| 16 | 36216 | Bolt M12×80 | 2 |
| 17 | 36217 | Gasket 12 | 2 |
| 18 | 36218 | Carry bar | 1 |
| 19 | 36219 | Washer 5 | 2 |
| 20 | 36220 | Gasket 5 | 2 |
| 21 | 36221 | Screw M5×12 | 2 |
| 22 | 36222 | Bolt M8×12 | 1 |
| 23 | 36223 | Deadman switch | 1 |
| 24 | 36224 | Wheel I | 1 |
| 25 | 36225 | Throttle control | 1 |
| 26 | 36226 | Wheel II | 1 |
| 27 | 36227 | Handle | 1 |
| 28 | 36228 | Cable-throttle 1 | |

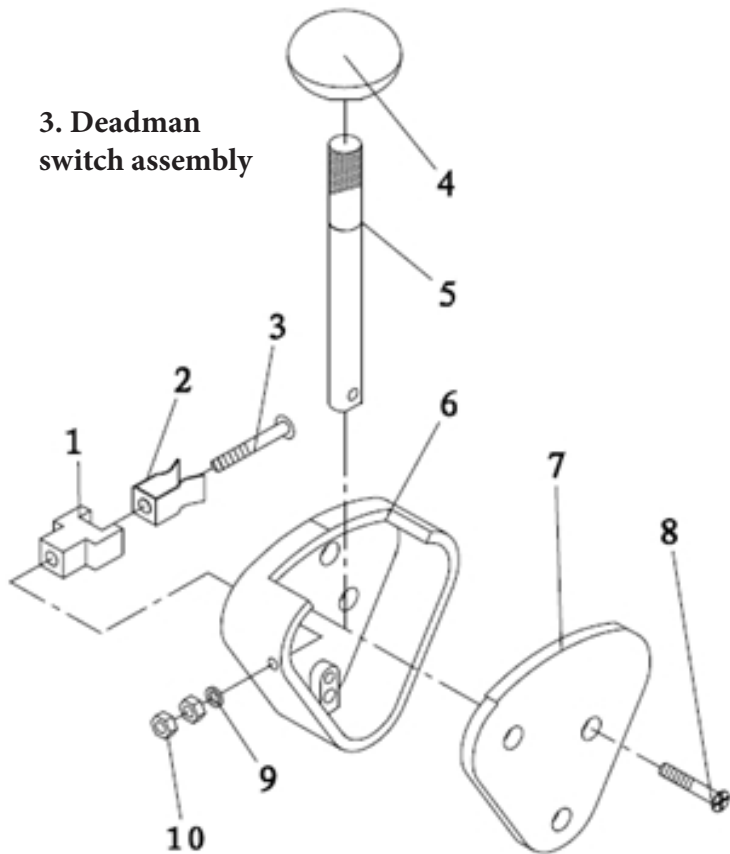
Deadman Switch Part List

| Item | Part No. | Part name | Qty |
|------|----------|--------------|-----|
| 1 | 36301 | Washer | 1 |
| 2 | 36302 | Washer | 1 |
| 3 | 36303 | Screw M4×30 | 1 |
| 4 | 36304 | Sphere | 1 |
| 5 | 36305 | Lever | 1 |
| 6 | 36306 | Switch box | 1 |
| 7 | 36307 | Switch cover | 1 |
| 8 | 36308 | Screw M4×25 | 3 |
| 9 | 36309 | Washer 4 | 2 |
| 10 | 36310 | Nut M4 | 2 |

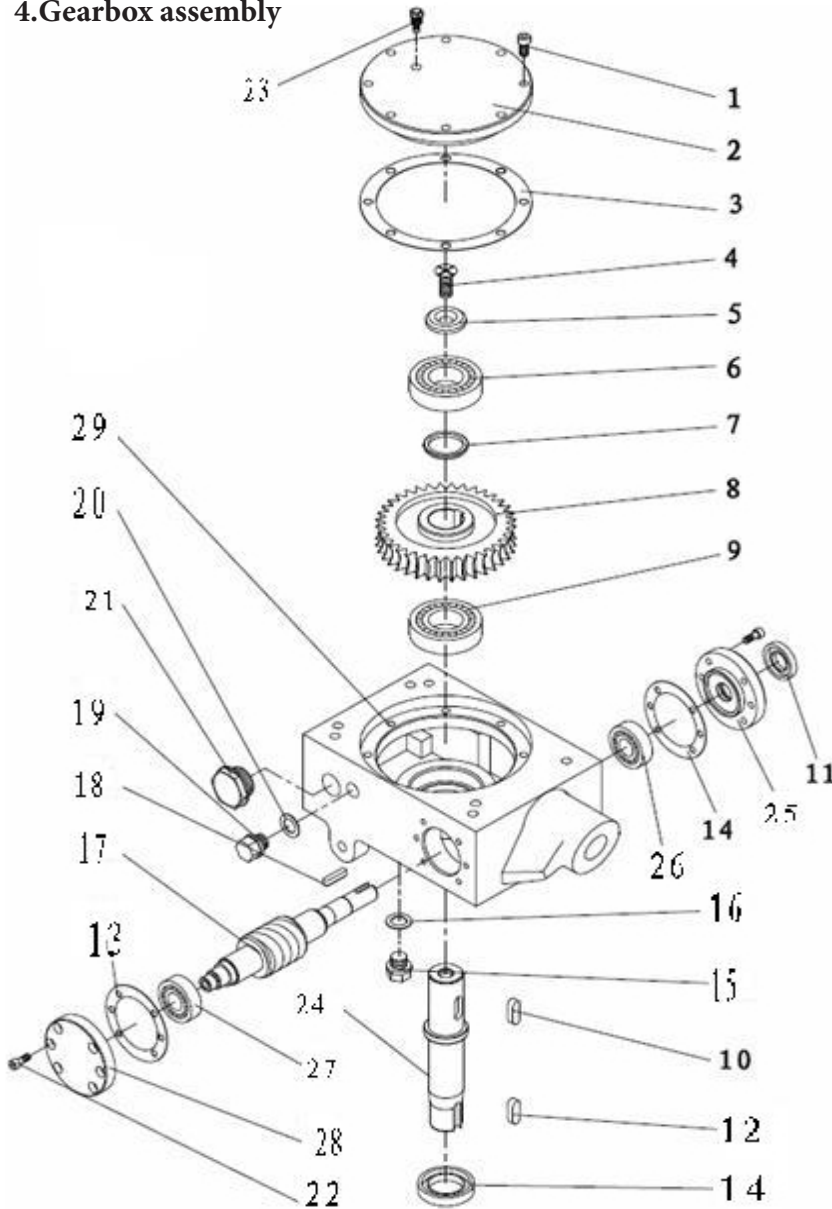
2. Handle assembly



3. Deadman switch assembly



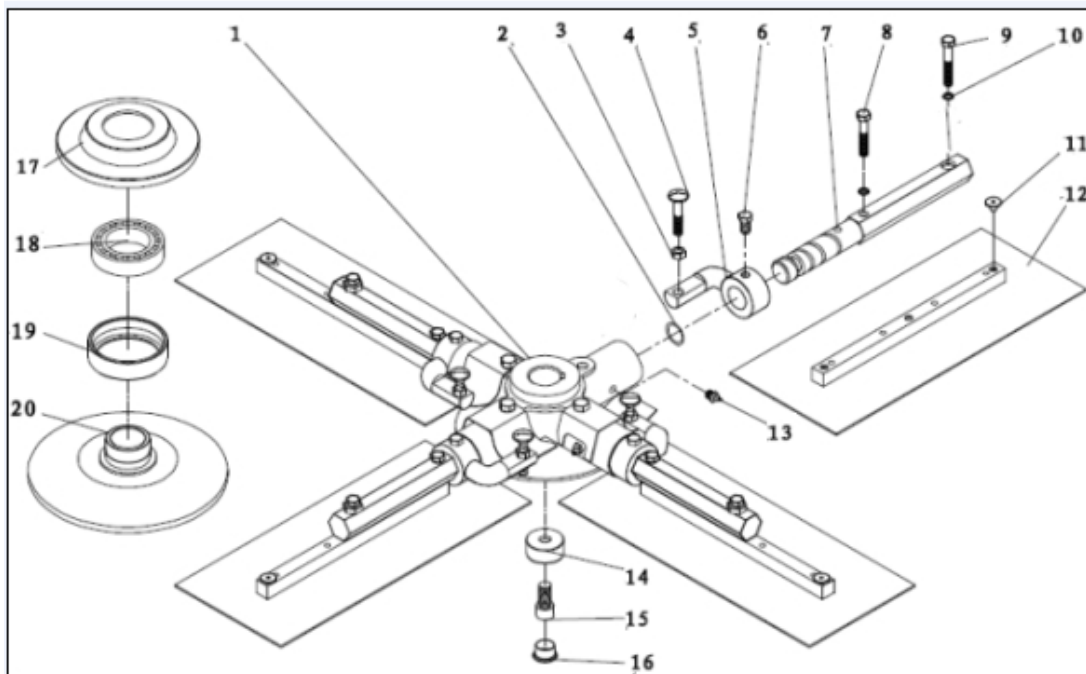
4. Gearbox assembly



Gearbox Part List

| Item | Part No. | Part name | Qty |
|------|----------|---------------------|------|
| 1 | 36401 | Screw M8x16 | 8 |
| 2 | 36402 | Large Flange | 1 |
| 3 | 36403 | Large-Flange washer | 1 |
| 4 | 36404 | Screw M12x25 LF | 1 |
| 5 | 36405 | Washer | 1 |
| 6 | 36406 | Bearing 30207 | 1 |
| 7 | 36407 | Spacer | 1 |
| 8 | 36408 | Worm Gear | 1 |
| 9 | 36409 | Bearing 207 | 1 |
| 10 | 36410 | Key 10x8x28 | 1 |
| 11 | 36411 | Oil Seal NAK20x40x7 | 1 |
| 12 | 36412 | Key 10x8x28 | 1 |
| 13 | 36413 | Washer | Some |
| 14 | 36414 | Oil Seal NAK35x54x8 | 1 |
| 15 | 36415 | Drain plug M16x1.5 | 1 |
| 16 | 36416 | Washer 16(Cu) | 1 |
| 17 | 36417 | Worm Shaft | 1 |
| 18 | 36418 | Key 6x6x32 | 1 |
| 19 | 36419 | Fill plug M16x1.5 | 1 |
| 20 | 36420 | Washer 16(Cu) | 1 |
| 21 | 36421 | Sight Plug | 1 |
| 22 | 36422 | Screw M6x16 | 12 |
| 23 | 36423 | Relief Valve | 1 |
| 24 | 36424 | Main Shaft | 1 |
| 25 | 36425 | End Cap | 1 |
| 26 | 36426 | Bearing 30304 | 1 |
| 27 | 36427 | Bearing 304 | 1 |
| 28 | 36428 | Flange | 1 |
| 29 | 36429 | Gearbox | 1 |

5 Spider plate assembly



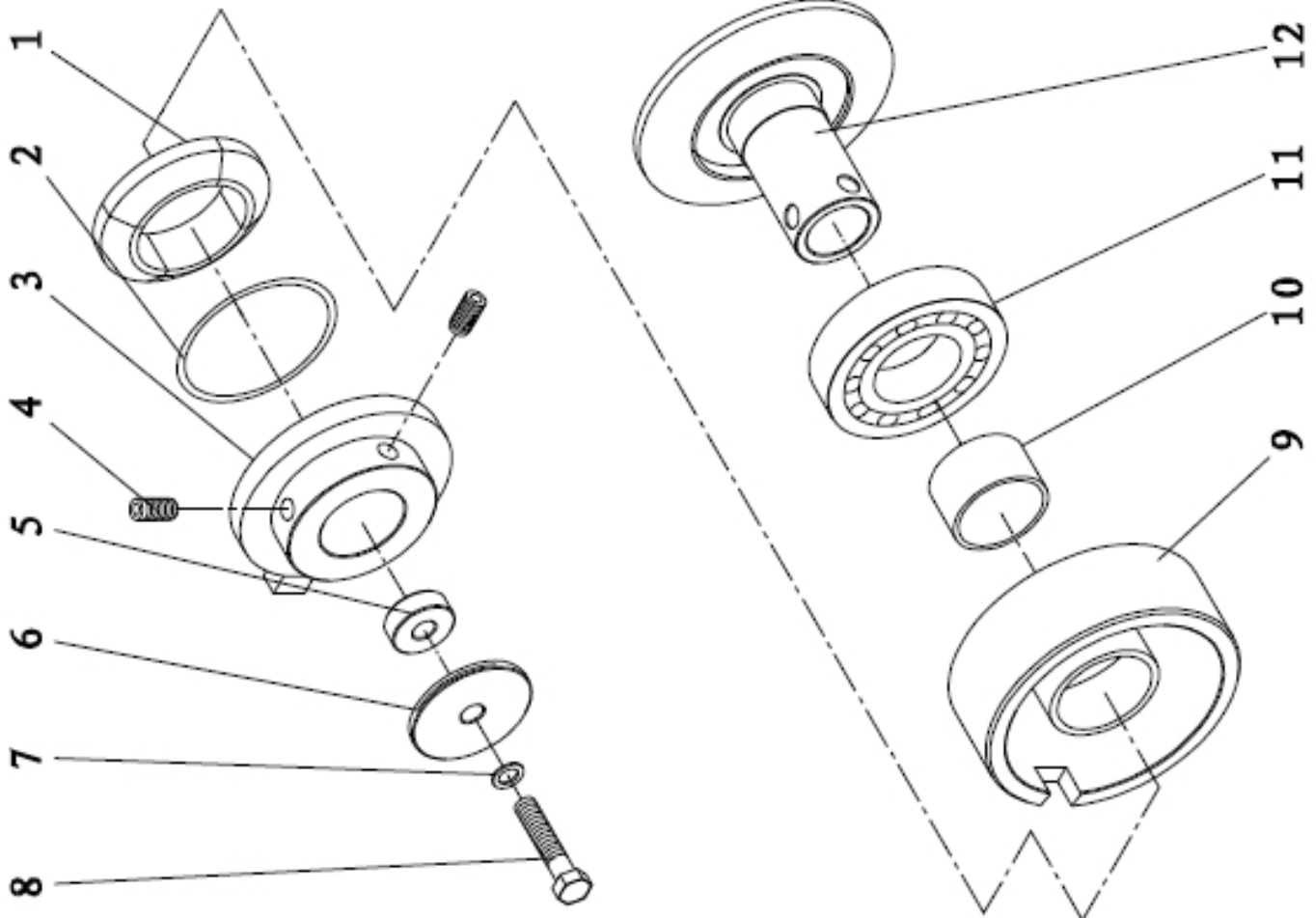
Spider Plate Part List

| Item | Part No. | Part name | Qty |
|------|----------|-----------------------|-----|
| 1 | 36501 | Spider plate | 1 |
| 2 | 36502 | O-ring 30×2.4 | 4 |
| 3 | 36503 | Nut M8 | 4 |
| 4 | 36504 | Carriage bolt | 4 |
| 5 | 36505 | Lift lever | 4 |
| 6 | 36506 | Bolt M8×16 | 4 |
| 7 | 36507 | Trowel arm | 4 |
| 8 | 36508 | Bolt M8×40 | 4 |
| 9 | 36509 | Bolt M8×50 | 4 |
| 10 | 36510 | Gasket 8 | 8 |
| 11 | 36511 | Bushing | 4 |
| 12 | 36512 | Trowel blade assembly | 4 |
| 13 | 36513 | Grease fitting M8x1 | 4 |
| 14 | 36514 | Retainer | 1 |
| 15 | 36515 | Screw M12×25 | 1 |
| 16 | 36516 | Cap plug | 1 |
| 17 | 36517 | Pressure plate cap | 1 |
| 18 | 36518 | Bearing 51209 | 1 |
| 19 | 36519 | Bushing | 1 |
| 20 | 36520 | Pressure plate | 1 |

Clutch Part List

| Item | Part No. | Part name | Qty |
|------|----------|---------------------|-----|
| 1 | 36601 | Clutch-ring | 4 |
| 2 | 36602 | Spring | 1 |
| 3 | 36603 | Cover | 1 |
| 4 | 36604 | Screw M8×16 | 2 |
| 5 | 36605 | Bushing | 1 |
| 6 | 36606 | Spacer | 1 |
| 7 | 36607 | Gasket 8 | 1 |
| 8 | 36608 | Bolt 5/16"×40 | 1 |
| 9 | 36609 | Friction Wheel A | 1 |
| 10 | 36610 | Lubrication bearing | 1 |
| 11 | 36611 | Bearing | 1 |
| 12 | 36612 | Friction Wheel A | 1 |

6 Clutch assembly



KPT 48 Power Trowel Part List

| Item | Part No. | Part name | Qty |
|------|----------|-------------------------|-----|
| 1 | 46001 | Handle bracket | 1 |
| 2 | 46002 | Lock Nut M10 | 4 |
| 3 | 46003 | Washer 10 | 4 |
| 4 | 46004 | Stud M10×45 | 4 |
| 5 | 46005 | Yoke arm | 1 |
| 6 | 46006 | Retaining ring | 1 |
| 7 | 46007 | Pin | 1 |
| 8 | 46008 | Gearbox assembly | 1 |
| 9 | 46009 | Handle assembly | 1 |
| 10 | 46010 | Pressure plate assembly | 1 |
| 11 | 46011 | Spider plate assembly | 1 |
| 12 | 46012 | Bolt M10×35 | 4 |
| 13 | 46013 | Releaser hood | 1 |
| 14 | 46014 | Belt-mounting plate | 1 |
| 15 | 46015 | Engine GX270 | 1 |
| 16 | 46016 | Washer 10 | 4 |
| 17 | 46017 | Lock Nut M10 | 4 |
| 18 | 46018 | Hoist hook | 1 |
| 19 | 46019 | Bolt 5/16×20 | 4 |
| 20 | 46020 | Clutch B | 1 |
| 21 | 46021 | Pulley | 1 |
| 22 | 46022 | Screw M8×16 | 2 |
| 23 | 46023 | Belt B28 | 1 |
| 24 | 46024 | Washer 8 | 2 |
| 25 | 46025 | Gasket 8 | 2 |
| 26 | 46026 | Bolt M8×16 | 2 |
| 27 | 46027 | Belt guard | 1 |
| 28 | 46028 | Bolt M8×16 | 2 |
| 29 | 46029 | Washer 10 | 4 |
| 30 | 46030 | rubber mat | 4 |
| 31 | 46031 | Screw M10×20 | 8 |
| 32 | 46032 | Lock Nut M10 | 4 |
| 33 | 46033 | Washer 10 | 4 |
| 34 | 46034 | Guard ring | 1 |
| 35 | 46035 | Mounting rails | 1 |
| 37 | 46037 | Mounting rails | 1 |

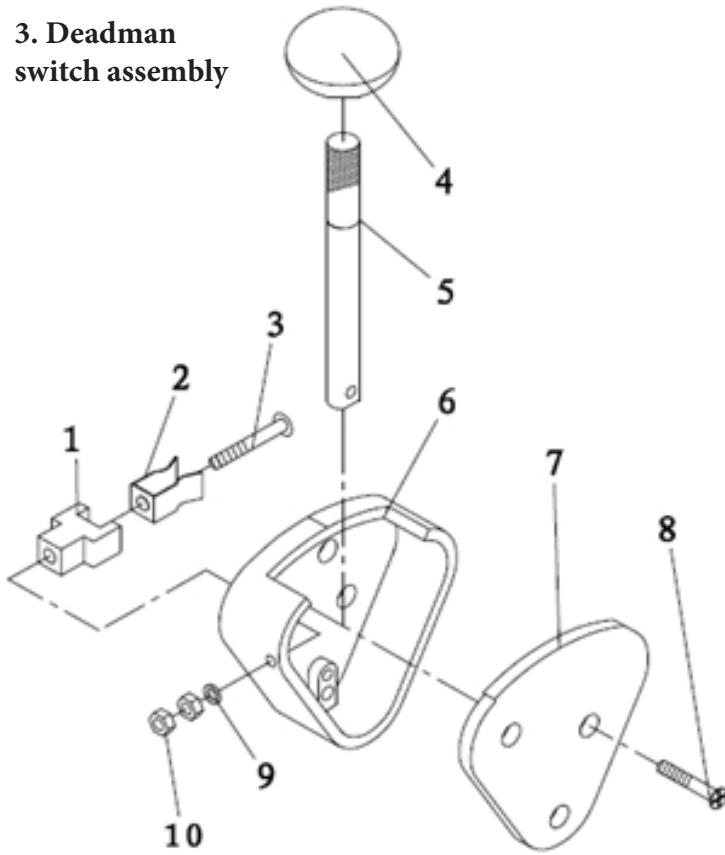
Handle Part List

| Item | Part No. | Part name | Qty |
|------|----------|-------------------|-----|
| 1 | 46301 | Pin 5×35 | 1 |
| 2 | 46302 | Gasket 10 | 1 |
| 3 | 46303 | Bolt M10×200 | 1 |
| 4 | 46304 | Threaded rod | 1 |
| 5 | 46305 | Retaining ring 35 | 1 |
| 6 | 46306 | Bearing 51203 | 1 |
| 7 | 46307 | Screw M6×8 | 1 |
| 8 | 46308 | Bushing | 1 |
| 9 | 46309 | Throttle cable | 1 |
| 10 | 46310 | Lock Nut M12 | 2 |
| 11 | 46311 | Washer 12 | 2 |
| 12 | 46312 | Retaining ring 8 | 1 |
| 13 | 46313 | Rigid handle | 1 |
| 14 | 46314 | Pin | 1 |
| 15 | 46315 | Pulley | 1 |
| 16 | 46316 | Bolt M12×80 | 2 |
| 17 | 46317 | Gasket 12 | 2 |
| 18 | 46318 | Carry bar | 1 |
| 19 | 46319 | Washer 5 | 2 |
| 20 | 46320 | Gasket 5 | 2 |
| 21 | 46321 | Screw M5×12 | 2 |
| 22 | 46322 | Bolt M8×12 | 1 |
| 23 | 46323 | Deadman switch | 1 |
| 24 | 46324 | Wheel I | 1 |
| 25 | 46325 | Throttle control | 1 |
| 26 | 46326 | Wheel II | 1 |
| 27 | 46327 | Handle | 1 |
| 28 | 46328 | Cable-throttle 1 | |

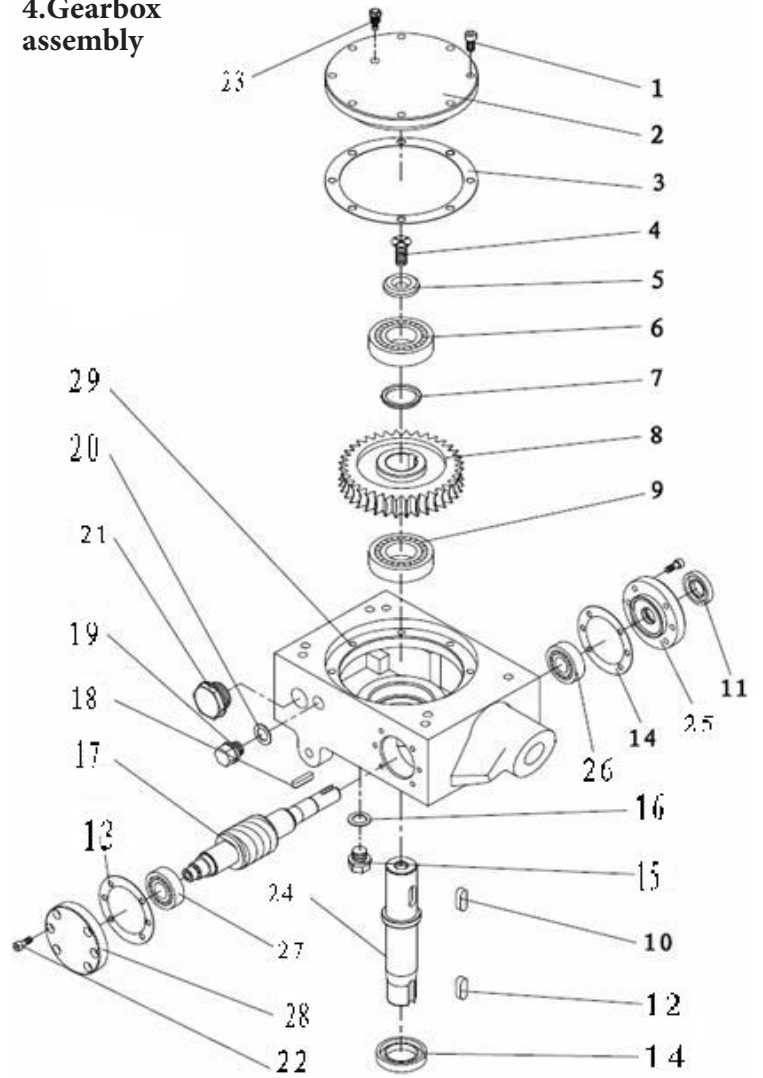
Deadman Switch Part List

| Item | Part No. | Part name | Qty |
|------|----------|--------------|-----|
| 1 | 46401 | Washer | 1 |
| 2 | 46402 | Washer | 1 |
| 3 | 46403 | Screw M4×30 | 1 |
| 4 | 46404 | Sphere | 1 |
| 5 | 46405 | Lever | 1 |
| 6 | 46406 | Switch box | 1 |
| 7 | 46407 | Switch cover | 1 |
| 8 | 46408 | Screw M4×25 | 3 |
| 9 | 46409 | Washer 4 | 2 |
| 10 | 46410 | Nut M4 | 2 |

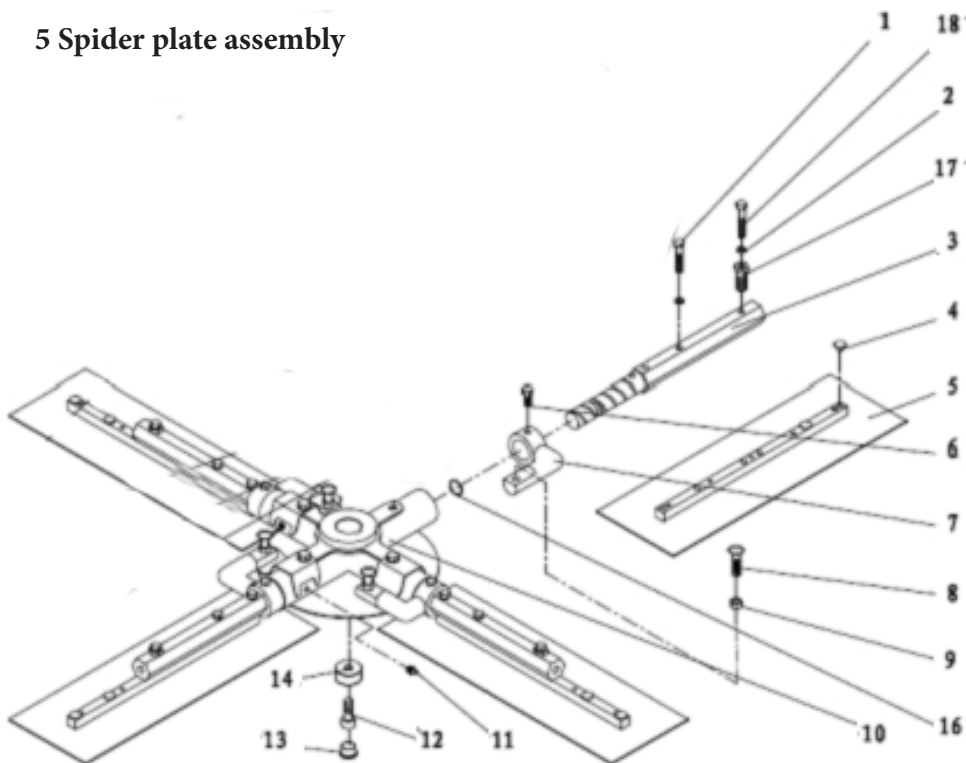
3. Deadman switch assembly



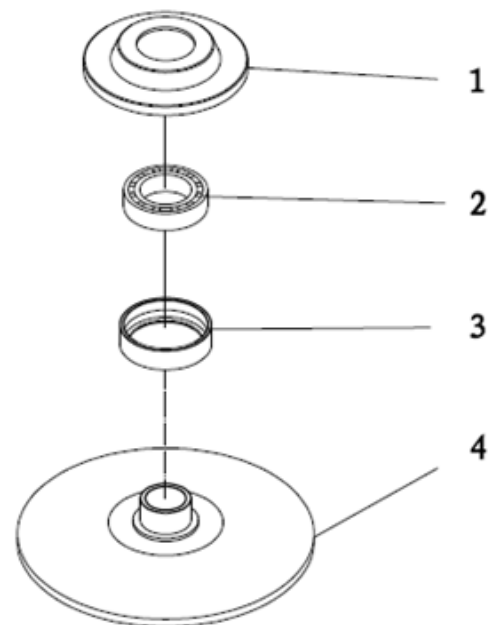
4. Gearbox assembly



5 Spider plate assembly



Pressure Plate



Gearbox Part List

| Item | Part No. | Part name | Qty |
|------|----------|---------------------|------|
| 1 | 46201 | Screw M8x16 | 8 |
| 2 | 46202 | Large Flange | 1 |
| 3 | 46203 | Large-Flange washer | 1 |
| 4 | 46204 | Screw M12x25 LF | 1 |
| 5 | 46205 | Washer | 1 |
| 6 | 46206 | Bearing 30207 | 1 |
| 7 | 46207 | Spacer | 1 |
| 8 | 46208 | Worm Gear | 1 |
| 9 | 46209 | Bearing 207 | 1 |
| 10 | 46210 | Key 10x8x28 | 1 |
| 11 | 46211 | Oil Seal NAK20x40x7 | 1 |
| 12 | 46212 | Key 10x8x28 | 1 |
| 13 | 46213 | Washer | Some |
| 14 | 46214 | Oil Seal NAK35x54x8 | 1 |
| 15 | 46215 | Drain plugM16x1.5 | 1 |
| 16 | 46216 | Washer 16(Cu) | 1 |
| 17 | 46217 | Worm Shaft | 1 |
| 18 | 46218 | Key 6x6x32 | 1 |
| 19 | 46219 | Fill plug M16x1.5 | 1 |
| 20 | 46220 | Washer 16(Cu) | 1 |
| 21 | 46221 | Sight Plug | 1 |
| 22 | 46222 | Screw M6x16 | 12 |
| 23 | 46223 | Relief Valve | 1 |
| 24 | 46224 | Main Shaft | 1 |
| 25 | 46225 | End Cap | 1 |
| 26 | 46226 | Bearing 30304 | 1 |
| 27 | 46227 | Bearing 304 | 1 |
| 28 | 46228 | Flange | 1 |
| 29 | 46229 | Gearbox | 1 |

Spider Plate Part List

| Item | Part No. | Part name | Qty |
|------|----------|-----------------------|-----|
| 1 | 46601 | Bolt M8×45 | 8 |
| 2 | 46602 | Gasket 8 | 12 |
| 3 | 46603 | Trowel arm | 4 |
| 4 | 46604 | Bushing | 8 |
| 5 | 46605 | Trowel blade assembly | 4 |
| 6 | 46606 | Bolt M8×16 | 4 |
| 7 | 46607 | Lift lever | 4 |
| 8 | 46608 | Carriage bolt | 4 |
| 9 | 46609 | Nut M10 | 4 |
| 10 | 46610 | Spider plate | 1 |
| 11 | 46611 | Grease fitting | 4 |
| 12 | 46612 | Screw M12×30 | 1 |
| 13 | 46613 | Cap plug | 1 |
| 14 | 46614 | Retainer | 1 |
| 15 | 46615 | Screw M10×16 | 4 |
| 16 | 46616 | Ø-ring 20×2.4 | 4 |
| 17 | 46617 | M8X40 | 4 |
| 18 | 46618 | Bolt M8×40 | 4 |

Pressure Plate

| Item | Part No. | Part name | Qty |
|------|----------|--------------------|-----|
| 1 | 46501 | Pressure plate cap | 1 |
| 2 | 46502 | Bearing 51209 | 1 |
| 3 | 46503 | Bushing | 1 |
| 4 | 46504 | Pressure plate | 1 |

Clutch Part List

| Item | Part No. | Part name | Qty |
|------|----------|---------------------|-----|
| 1 | 46701 | Clutch-ring | 4 |
| 2 | 46702 | Spring | 1 |
| 3 | 46703 | Cover | 1 |
| 4 | 46704 | Screw M8×16 | 2 |
| 5 | 46705 | Bushing | 1 |
| 6 | 46706 | Spacer | 1 |
| 7 | 46707 | Gasket 8 | 1 |
| 8 | 46708 | Bolt 5/16"×40 | 1 |
| 9 | 46709 | Friction Wheel A | 1 |
| 10 | 46710 | Lubrication bearing | 1 |
| 11 | 46711 | Bearing | 1 |
| 12 | 46712 | Friction Wheel A | 1 |

6 Clutch assembly

