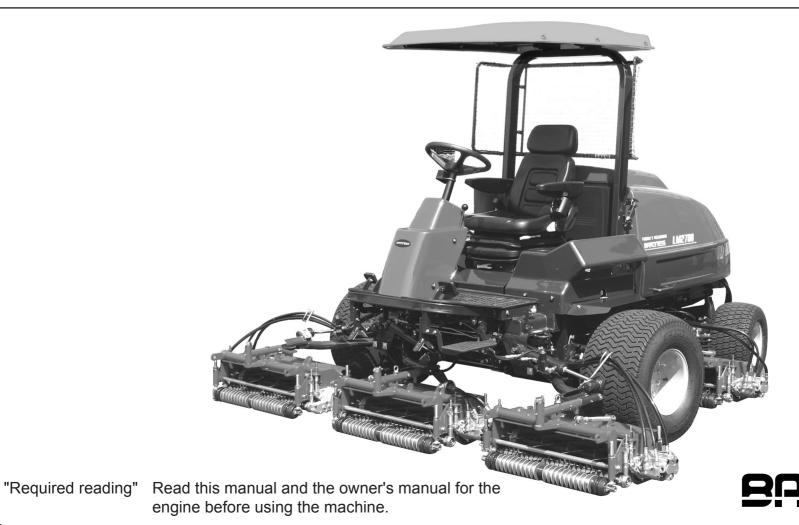
## Front 5-reel mower



# <u>BURDNESS</u> MOWER

Owner's handling manual & parts catalogue

SN10163 and onwards



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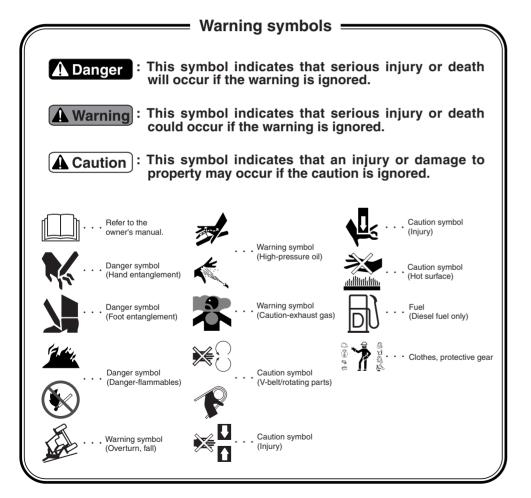
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## **Warnings for Safety**

Warning symbols **A** have been attached to this machine to ensure that you can operate it safely.

The warning symbols indicate items which are particularly important for your safety. It is important to always follow the warnings and operate the machine with safety.



#### Introduction

Thank you for purchasing the Baroness LM2700, front 5-reel mower.

This manual describes the correct methods for handling, adjusting, and checking the machine. Be sure to read this manual and make sure that you understand its contents thoroughly before using the machine.

Our machines have been tested and inspected thoroughly before shipment from the factory. However, whether the machine can display its original performance depends on the handling method, as well as daily checks, adjustments, and lubrication before and after operation. Keep the machine well maintained to expect safe operation and excellent performance for an extended period of time.

#### Note

- Gradual changes may be made to the machine.
   When making enquiries about the machine, be sure to specify both the model type and serial number.
- The information described in this manual may change without prior notice.



- The warning labels that are attached to the machine and used in this owner's manual contain information to maintain safety. Please read the operating procedures and safety precautions carefully and only operate the machine after you have understood them completely.
- The warning labels and their descriptions should be preserved in their entirety. If they are lost or damaged, please replace them immediately with new ones.
- Do not, under any circumstances, remove the warning labels that are attached to the machine.

## Please be sure to observe for safe operation.

- The precautions that are described here are the important contents concerning safety. Be sure to follow these safety precautions.
- Failure to follow these precautions can cause injury or death, or damage to the machine.
- \* The information described in this manual may vary from the actual machine purchased.

## 1. General precautions





#### ■ Do not operate the machine under the following conditions!

- If you cannot concentrate while operating the machine due to fatigue or illness, or if you are under the influence of medication
- After drinking alcohol
- If pregnant
- If less than 18 years old

"owner's manual" before use.

- \* Failure to observe these precautions can cause an unexpected accident.
- Wear suitable clothes when operating the machine.

Do not wear a towel around your head or waist, or a scarf around your neck. Wear safety glasses, a helmet, and slip resistant shoes. Use protective gear suitable for the working conditions and do not wear loose-fitting clothes.



- Failure to observe this precaution may cause you to get caught in the machine or to slip and fall.
- When lending the machine to others

  Thoroughly explain the operating procedures and have them read the
- \* Failure to follow this precaution can cause an accident, resulting in

## 2. Before operating the machine



**■** Do not carry passengers.

The riding capacity of this machine is one person. Do not carry passengers.

- \* Failure to follow this precaution can cause an unexpected accident.
- **■** Before starting the engine

When starting the engine, be sure to be seated in the operator's seat, check the position of the seat, and check your surroundings for safety.

- \* Failure to follow this precaution can cause an unexpected accident.
- Do not operate the machine or work at night.

  Do not operate the machine or work at night or in poor visible condition since no lighting part is equipped.
- \* Failure to follow this precaution can cause an unexpected accident.
- Warm the engine up when it is cold.

When the engine is cold, be sure to warm it up.

- \* Failure to follow this precaution may not allow the machine to sufficiently demonstrate its performance capability.
- Take precaution with a hot muffler/exhaust pipe.





Do not touch the muffler/exhaust pipe while operating the machine or just after the engine is turned off since it will be hot.

- \* Failure to follow this precaution can cause burns.
- Do not modify the machine.

Do not modify the machine.

\* Failure to follow this precaution can cause an accident or injury, or the machine to malfunction.

#### Inspection and maintenance

Be sure to perform checks and maintenance before and after operating the machine.

Failure to follow this precaution can cause an accident or injury, or the machine to malfunction.

#### Performing the periodic checks and maintenance

Perform the periodic checks and maintenance every year, and maintain each part. Be sure to change the power steering hose every two years and to check the electrical wires every year.

Failure to follow this precaution can cause an accident or the machine to malfunction due to improper maintenance.

#### 3. Inspection and maintenance before and after operating the machine









Add oil and refuel when the engine is cold.

Do not add oil or refuel when the engine is operating or if the engine is hot.

- Failure to follow this precaution can cause the fuel to ignite and cause a fire.
- Fire is strictly prohibited when refueling

Do not smoke or use open flames when refueling.

- Failure to follow this precaution can cause the fuel to ignite and cause a fire.
- Fire is strictly prohibited when checking the battery Fire is strictly prohibited when checking or charging the battery.
- \* Failure to follow this precaution can cause the battery to ignite and explode, which can cause burns.

#### ■ Do not let electrolyte get on your skin.

Do not let electrolyte get on your skin or on your clothes. If it gets on your skin or clothes, immediately wash the affected area with water.

\* Failure to follow this precaution can cause burns or damage to your clothes.

#### ■ Take precaution with fuel leaks.

If the fuel pipe is damaged, check the fuel pipe for fuel leaks.

- Failure to follow this precaution can cause fuel to ignite and cause a fire.
- Close the fuel cap and clean up any spilt fuel.

After refueling, be sure to securely close the fuel cap and thoroughly clean up any spilt fuel.

- Failure to follow this precaution can cause a fire.
- Install and remove the battery by following the correct procedure.

To install the battery, connect the positive (+) battery cable first. To remove the battery, disconnect the negative (-) battery cable first.

Failure to follow this precaution can cause a short circuit, which can cause burns and a fire.















Perform inspect and maintenance on a flat and stable place.

Set lower the mower unit and inspect and maintenance on a flat and stable place on which the machine will not overturn or move.

- Failure to follow this precaution can cause the machine to overturn and cause an unexpected accident.
- Remove debris from the muffler and engine.

Check that there is no grass, debris, or fuel around the muffler and engine or on the brakes every day before operating the machine.

- Failure to follow this precaution can cause a fire.
- Do not fill the tires with air over the specified maximum air pressure.

When filling the tires with air, do not fill the tires over the specified maximum air pressure.

Failure to follow this precaution can cause the tires to explode and cause an injury.

#### ■ Be sure to check the electrical parts and wires.

Check if the electrical wires are touching other parts, if the cover is disconnected, or if the connector is loose every day before operating the machine.

- \* Failure to follow this precaution can cause a fire.
- Do not allow the electrolyte to go below the "LOWER" level mark.

Check the electrolyte between the "UPPER" and "LOWER" level marks and that it is not below the "LOWER" level marks.

- Failure to follow this precaution can cause the pole connector in the container to be exposed from the electrolyte if it is below the "LOWER" level mark, which can cause sparks when starting the engine, and the gas in the container to ignite, causing an explosion.
- Take sufficient precaution with exhaust gas.

Do not start the engine in an enclosed area. Start the engine outdoors with sufficient air circulation. If you have to start the engine indoors, make sure there is sufficient ventilation.

- Failure to follow this precaution can cause you to be poisoned by the exhaust gas, which can result in death.
- Be sure to check the parking brake lever.

Check that the brake operation is not faulty and that the parking brake lever is not remarkably loose nor does it have remarkable play.

- \* Failure to follow this precaution can cause an accident.
- Take precaution with high-pressure oil.

Always check if the fittings and hoses are loose or damaged. When disconnecting the fittings and hoses, release the pressure in the hydraulic circuit.

Failure to follow this precaution can cause the high-pressure oil to break through your skin and cause an injury.











■ Turn the engine off while inspection and maintenance.

Be sure to turn the engine off while inspection, servicing, repairing, or cleaning the machine.

- Failure to follow this precaution can cause you to be pinned under the machine or a personal injury.
- Be sure to install the covers.

Be sure to install any covers that were removed while inspection and maintenance.

- Failure to follow this precaution can cause you to get caught up in the machine or a personal injury.
- Let overheated parts sufficiently cool down before inspection and maintenance.

Let the parts that overheat such as the muffler and engine to sufficiently cool down before inspection and maintenance.

- Failure to follow this precaution can cause burns.
- Correctly use the proper tools for the job.

Properly manage and correctly use the proper tools necessary for inspection and maintenance.

Failure to follow this precaution can cause an accident due to improper maintenance.

## 4. When transporting the machine





- Do not operate quick start and stop on a running board.

  Take sufficient precaution when operating on slopes or running boards.
- \* Failure to follow this precaution can cause an accident such as fall or overturn.
- ■Use a running board with sufficient strength, length, and width.

When loading or unloading the machine onto a truck, be sure to turn the engine of the truck off on a flat surface that is safe from traffic, set the parking brake to avoid moving, and chock the wheels. The running board should be non-skid and bear sufficient strength, length, and width.

- \* Failure to follow these precautions can cause an accident such as fall or overturn.
- When the machine is loading / unloading on the truck.

  When the machine is loading onto a truck, it move forward, when the machine is unloading, it move backward.
- \* Failure to follow this precaution can cause you to loose your balance and cause an accident such as causing the machine to fall or overturn.
- Securely fasten the machine to the truck with a rope.

  When loading the machine onto a truck and moving it, set the parking brake and fasten the machine to the truck with a rope that has sufficient strength.
- \* Failure to follow this precaution can cause the machine to fall from the deck of the truck and cause an accident.

## 5. When moving and taking the machine on or off a field









- Do not operate the machine on public roads.
  - This machine is not authorized as a special motorized vehicle. Do not operate it on public roads.
- \* Failure to follow this precaution is subject to punishment for violating the traffic laws.
- Check your surroundings for safety and slowly accelerate.

  Start the engine after checking your surroundings for safety. Accelerate slowly, do not start quickly.
- \* Failure to follow this precaution can cause a personal injury.
- Take precaution with the shoulder of the road when moving.

  On roads with ditches or on roads where both sides are inclined, take sufficient precaution with the shoulder of the road.
- \* Failure to follow the precaution can cause the machine to fall.
- Do not start, stop, or turn suddenly, or operate at excessive speeds.

Start and stop slowly. When turning, sufficiently reduce your speed. Also, sufficiently reduce your speed when operating on slopes, bumpy roads, or curves.

- \* Failure to follow this precaution can cause the machine to overturn or fall, causing damage to the machine.
- Use a running board to cross ditches.
  - When entering a field, crossing ditches, or traveling over a soft area, be sure to use a running board. Use non-skid running board bearing sufficient strength, length, and width.
- \* Failure to follow this precaution can cause the machine to have an accident by slipping or overturning.









- Set the parking brake while warming the engine up.
- Failure to follow this precaution can cause the machine to move spontaneously and cause an accident.
- When operating at high speeds do not operate the brake pedal suddenly.
- \* Failure to follow this precaution can cause the machine to overturn or fall.

## 6. When operating the machine













- Do not substitute weight for people or cargo.
  - Do not load people or cargo as a substitute for weight.
- Failure to follow this precaution can cause an injury.
- Wear protective gear.

Be sure to wear safety glasses, a helmet, and slip resistant shoes.

- \* Failure to follow this precaution can cause an injury.
- Do not go or place your feet under the operating machine. Do not go or place your feet under the operating machine.
- \* Failure to follow this precaution can cause a personal injury when the operating machine is lowered.
- Before operating, remove obstacles in the field such as rocks, wire, rope, etc.
- \* Failure to follow this precaution can cause an accident or injury, or the machine to malfunction.
- Do not start, stop, or turn suddenly, or operate at excessive speeds.

Start and stop slowly. When turning, sufficiently reduce your speed.

- Failure to follow this precaution can cause the machine to overturn or fall, causing damage to the machine.
- Operate or work on a slope with extreme care.

The balance of the machine worsens on slopes and bumps. Be sure to decrease your speed sufficiently and operate and work slowly.

Failure to follow this precaution can cause the machine to overturn or fall, causing damage to the machine.

- Be sure to turn the engine off when inspecting the mower.
  - When a malfunction of the reel cutter occurs such as jamming the grass or rocks, be sure to turn the engine off to inspect and make adjustments.
- \* Failure to follow this precaution can cause you to get caught up in the machine.
- Do not operate the machine near children.

Keep away from children and do not operate the machine near them.

- \* Failure to follow this precaution can cause a personal injury.
- ■Inspect and perform maintenance immediately if unusual vibration occurs.
  - If unusual vibration occurs, stop the engine immediately, then inspect the cause and repair it if necessary.
- \* Failure to follow this precaution can cause an accident or injury, or the machine to malfunction.
- Keep bystanders away from grass discharge area.

Grass, dust, sand and rocks will fly out. In addition, be sure to install the reel cover.

- \* Failure to follow this precaution can cause a personal injury.
- Do not look aside. Do not operate or travel with no hands.
- \* Failure to follow this precaution can cause a personal injury or material damage.
- When leave from the machine.
  - Stay the machine at flat and stable place, then turn the engine off, set the parking brake, lower the mower unit, and remove key from ignition switch..
- \* Failure to follow this precaution can cause the machine to move spontaneously and cause an accident.

#### ■ Do not carry passengers.

The riding capacity of this machine is one person. Do not carry passengers.

\* Failure to follow this precaution can cause an unexpected accident.

#### ■ Precautions for operating on slopes

When operating on a slope, the ground will not be even and there may be bumps and rocks, which can cause the machine to incline suddenly. Therefore, be sure to follow the instructions indicated below when operating the machine on a slope of 15 degrees or more.

- Do not operate the machine in areas in which there is danger of it overturning or slipping.
- Remove holes, rocks, or tree roots (and other illegally thrown objects) and check that these items do not exist before operating the machine on a slope.
- When operating the machine on a slope, work along the contour line and make turns where the grade of the slope is low.

## 7. After operating the machine and storage









- Add oil and refuel when the engine is cold.
  - Do not add oil or refuel when the engine is operating or if the engine is hot.
- \* Failure to follow this precaution can cause the fuel to ignite and cause a fire.
- Do not open the radiator cap when the radiator is hot.
  - When the radiator has overheated, do not open the radiator cap.
- \* Failure to follow this precaution can cause scalding water to shoot out and cause burns.
- Cover the machine with a sheet after it has sufficiently cooled down.
  - If covering the machine with a sheet, cover it after the muffler and engine have sufficiently cooled down.
- \* Failure to follow this precaution can cause a fire.
- ■Install and remove the battery by following the correct procedure.
  - To install the battery, connect the positive (+) battery cable first. To remove the battery, disconnect the negative (-) battery cable first.
- Failure to follow this precaution can cause a short circuit, which can cause burns and a fire.





- Perform inspection and maintenance on a flat and stable place.
  - Set lower the mower unit and perform inspection and maintenance on a flat and stable place on which the machine will not overturn or move.
- Failure to follow this precaution can cause the machine to overturn and cause an unexpected accident.

- Remove debris from the muffler and engine.
  - Check that there is no grass, debris, or fuel around the muffler and engine and on the brakes every day before operating the machine.
- Failure to follow this precaution can cause the fuel to ignite and cause a fire.
- Be sure to inspect the electrical components and wires. Inspect if the electrical cables are touching other parts, if the cover is disconnected, or if the connector is loose every day before operating the machine.
- Failure to follow this precaution can cause a fire.
- When storing the machine for a long period of time, remove the battery cable and ignition key.
  - When not using the machine for a long period of time and storage, remove the battery cable and ignition key.
- Failure to follow this precaution can cause an accident.
- Take precaution with high pressure hydraulic oil. Always check if the fittings and hoses are loose or damaged. When disconnecting the joints and hoses, release the pressure in the hydraulic circuit.
- Failure to follow this precaution can cause the high-pressure hydraulic oil to break through your skin and cause an injury.















- Turn the engine off while inspecting and maintenance.
  - Be sure to turn the engine off while checking, servicing, repairing, or cleaning the machine.
- Failure to follow this precaution can cause you to be pinned under the machine or a personal injury.

■ Be sure to install the covers.

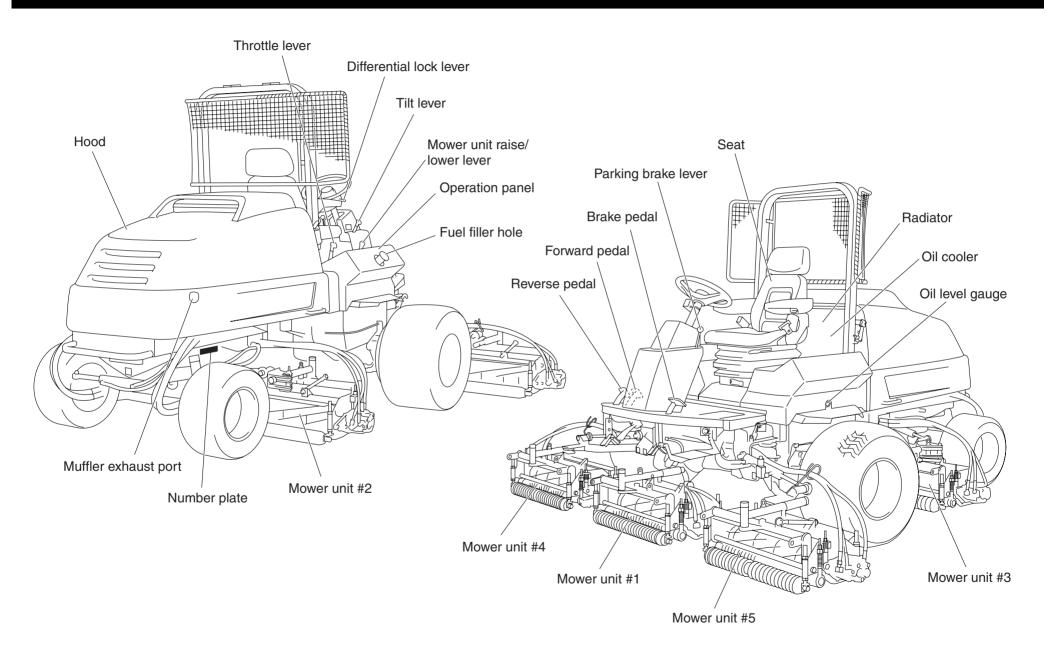
Be sure to install any covers that were removed during inspection and maintenance.

- \* Failure to follow this precaution can cause you to get caught up in the machine or a personal injury.
- Let overheated parts sufficiently cool down before inspection and maintenance.

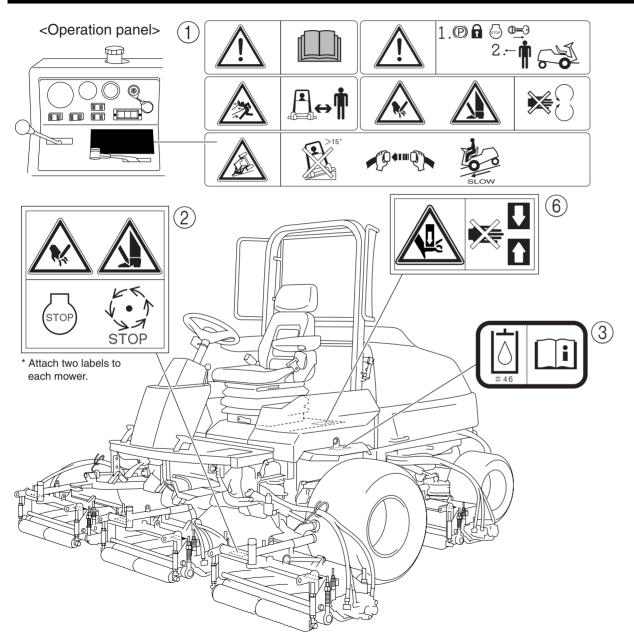
Let the parts that overheat such as the muffler and engine to sufficiently cool down before checking or performing maintenance.

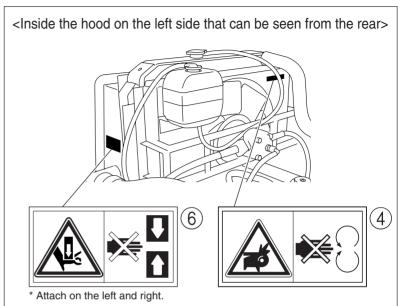
\* Failure to follow this precaution can cause burns.

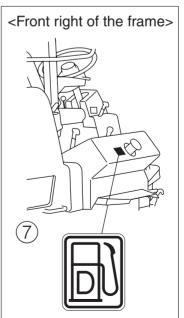
## Names of various sections

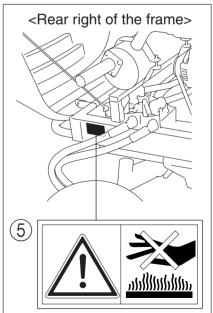


## Warning label and operation label attachment locations



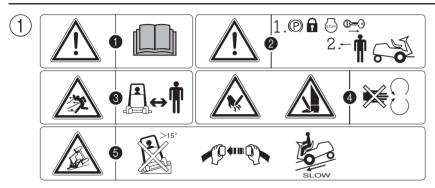






## Warning label and operation label description

Attach the warning labels and operation labels in the locations that are close to dangerous parts and in which the labels can be easily seen. If a label is damaged or peels off, attach a new label to the machine.



- **A Warning**: Read the owner's manual.
- 2 A Warning: Leave the machine after setting the parking brake, turning the engine off, and removing
- 3 A Danger: Flying objects Excluding the operator, keep a safe distance away from the machine.
- 4 A Danger: Cutting hands or feet Do not put near moving parts.

**A** Danger

(5) A panger : Overturning - There is a danger that the machine can overturn on a slop of 15 degrees or more. When going down a slope, fasten the seat belt and operate the machine at slow speeds.

: Cutting hands or feet

If you do not stop rotating the mower and the engine is not turned off, there is a risk that you may get injured.

High-pressure oil symbol

Read the owner's manual.



! Danger : Cutting of Hand

Placing your hand near the fan and the belt while the engine is running could result in injury.

(5)



**A** Caution : Hot surface

Do not touch. It can cause burns.



**A** Caution : Pinch

You can get pinched.

 $\widehat{7}$ 



Fuel filler port

(diesel only)



## **Features of LM2700**

- Compared with the conventional machine, the work at a quick speed can also be cut finely.
  - Moreover, since the travelling speed is also quick and the turning radius is small, efficient work can be performed.
- Comfortable work can be performed by the introduction of the large displacement engine.
- The introduction of the new oil-hydraulics travelling system and the large-sized disc brake etc. is raising the safety.
- The optimal sheet position is obtained according to the driver's body.
- The maintenance of the bottom mower can be performed easily.

## **Specifications**

| Мо                              | del                 | LM2700   |  |  |
|---------------------------------|---------------------|--|--|--|
| Drive system                    |                     | Four-wheel drive   |  |  |
| Total Length 3                  |                     | 300cm  |  |  |
| imer                            | Total width         | 320cm (228cm when travelling)                              |  |  |
| Dimensions                      | Total height        | 220cm(Roof), 204cm(Roof bar), 150cm(Steering wheel)        |  |  |
| S                               | Wheelbase           | 155cm  |  |  |
| Tot                             | al weight           | 1,750kg  |  |  |
| Speed                           | Two-wheel drive     | 0~22km/h   |  |  |
| ed                              | Four-wheel drive    | 0~14km/h   |  |  |
| Wheels                          | Front wheel         | 26.5 x 14.00-12  |  |  |
| eels                            | Rear wheel          | 20 x 12.00-10  |  |  |
|                                 | Model               | KubotaV2203-M Vertical type water-cooled four-cycle diesel |  |  |
| _                               | Number of cylinders | 4  |  |  |
| Engine                          | Displacement        | 2.197L (2,197cm <sup>3</sup> )                             |  |  |
| le<br>le                        | Rating output       | 32.7kW (44.5PS)/2,600rpm                                   |  |  |
|                                 | Rotation Speed      | 975~2,800rpm (without load) (*1)                           |  |  |
| Fuel consumption (at 2,500 rpm) |                     | 250g/kW • h (185g/PS • h)                                  |  |  |
| Battery                         |                     | 105D31R  |  |  |
| Mowing height                   |                     | 8~45mm (*2)  |  |  |
| Mowing width                    |                     | 277cm  |  |  |
| Reel cylinder                   |                     | 9 blade 66cm x 5 (reel diameter 16.3cm)                    |  |  |

- (\*1) Maximum engine rpm is set up 2,600 rpm before shipment.
- (\*2) For 10 mm or less mowing height, the optional bed knife is required.

## **Handling instructions**

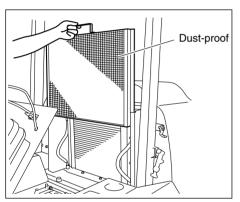
## 1. Inspection before use

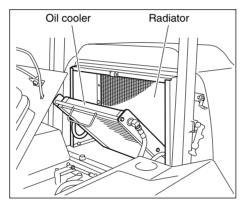


 Please be sure to check the following matter before putting the engine into operation.

#### 1-1 Cleaning of the radiator and oil cooler

Be sure to clean when the dust has adhered to the radiator, oil cooler, and dustproof net. When you operate it in the dusty place, please try to clean a little early.







• If it does not clean, it will become overheating of the engine and the cause of the seizure.

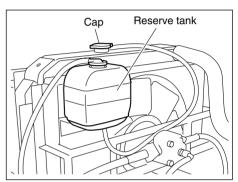
Moreover, it also becomes cause of the damage of the hydraulic equipment.

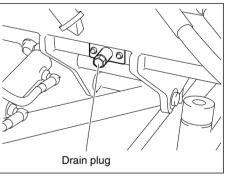
#### 1-2 Inspection of the radiator and coolant level





- Perform the inspection when the engine is cold. The radiator cap is the pressure type. If the radiator cap is removed when the engine is high temperature, the steam blows off and it may cause burns. After the water temperature and the pressure falls, apply a thick cloth etc. to the cap. Then turn to the left gradually, and loosen and remove.
- Check that the coolant level of the reserve tank is between "FULL" and "LOW."
- When the coolant is below the line of "LOW", add the coolant from the cap part of the reserve tank to the line of "FULL". When there is no coolant in the reserve tank, supply it also from the cap part of the radiator to the top.
- Do not open the radiator cap in normal inspection.
- When the coolant level decreases, supply clean water only.
- Please drain the cooling water before winter or mix the long life coolant.
- Perform the drainage by the drain plug in the left side of the machine.





Standard long life coolant (LLC) consistency and the freezing point

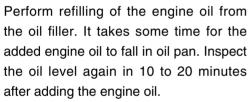
| Freezing point | LLC consistency (volume %) |
|----------------|----------------------------|
| Up to -10 °C   | 20%                        |
| Up to -15 °C   | 30%                        |
| Up to -20 °C   | 35%                        |
| Up to -25 °C   | 40%                        |

<sup>\*</sup> The radiator coolant capacity of this machine is about 12L. (including the reserve tank)

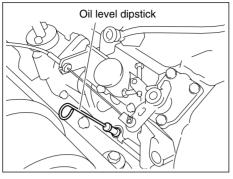
#### 1-3 Inspection and refilling of engine oil

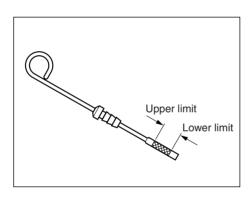


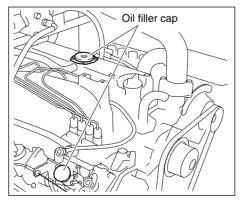
Put the engine on the level surface, and check the level of the oil by the dipstick. It will be the proper quantity, if the oil level is between the upper and lower limit when the dipstick is fully inserted. If the oil level is low, add the engine oil, and if the oil is dirty, exchange the oil. Perform the oil level inspection when the engine is suspended and after 10 to 20 minutes or more past. Please keep in mind that it becomes engine failure and cause of accident if the engine oil added too much.



- \* Never mix different kind of engine oil.
- \* Use the engine oil higher than the API service classification CD class, and SAE viscosity suited to the application environment (temperature).



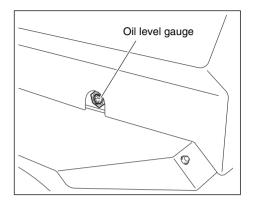




#### 1-4 Inspection of the hydraulic oil

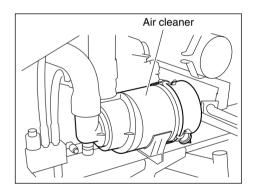
Level the engine and always check whether the hydraulic oil is contained to the center of the oil level gauge. When refilling the hydraulic oil, use the Shell Tellus 46 or equivalent type.

\*The tank capacity is approximately 44L.

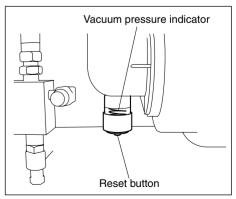


#### 1-5 Cleaning of the air cleaner

Perform the inspection with the vacuum pressure indicator. If the element of the air cleaner becomes dirty, the red ring is visible in the vacuum pressure indicator. Remove and clean the air cleaner.



If the element of the air cleaner is dirty, it will become the cause of the engine malfunction. When it's dirty, clean it by carefully tapping the element or blowing air from inside so that the element may not be damaged. Attach the element after clean up and push the reset button. Exchange the element of the air cleaner every 200 hours.



#### 1-6 Inspection of the engine and its surroundings



Please refer to "Operating and instruction manual" for engine for handling of the engine.



- The parts of the fuel system should check whether there is neither the crack nor the leak, and replace it with new one if necessary.
- 2) When the grass, the leaf, etc. have jammed to the inside of the muffler, and exhaust pipe or the surroundings, blow out by air.

#### 1-7 Inspection of the tires

Inspect the tire pressure, crack, damage, and unusual wear.

| Tire pressure |                     |  |
|---------------|---------------------|--|
| Front wheel   | 150kPa (1.5kgf/cm²) |  |
| Rear wheel    | 140kPa (1.4kgf/cm²) |  |

## 2. Fastening of each portion

Many parts are fastening by bolts. Bolts and nuts may be loosened some time after initial operation. Be sure to tighten them by the specified torque.

#### Appropriate tightening torque

| Nominal diameter | Normal bolt<br>Hardness classification 4.8 | Heat-treated bolt<br>Hardness classification 10.9 |
|------------------|--|---|
| 7~9              |  | 14~18   |
| M6               | (70~90)                                    | (140~180)   |
|                  | 14~19                                      | 28~38   |
| M8               | (140~190)                                  | (280~380)   |
| 1446             | 29~38                                      | 58~76   |
| M10              | (290~380)                                  | (580~760)   |
| 1440             | 52~67                                      | 104~134   |
| M12              | (520~670)                                  | (1040~1340)                                       |
|                  | 70~94                                      | 140~188   |
| M14              | (700~940)                                  | (1400~1880)                                       |
| 1440             | 88~112                                     | 210~260   |
| M16              | (880~1120)                                 | (2100~2600)                                       |
| M40              | 116~144                                    | 280~340   |
| M18              | (1160~1440)                                | (2800~3400)                                       |
| MOO              | 147~183                                    | 370~450   |
| M20              | (1470~1830)                                | (3700~4500)                                       |

## 3. Operation method of each part



### ▲ Caution | About the mechanical operation

Check whether the operation state of each part is good, and the brake disc, tires, steering, and mower do not have abnormalities in particular before operating the engine. In any cases, operate the engine by the speed that can carry out the urgency stop. Locate and remove all debris, in the operating area before using equipment.



#### **A Warning** Before starting engine



- Inspect the area where the equipment will be used.
- Inspect whether there are no damages and the cover/quard are securely fastened in place.
- Never operate the engine without proper ventilation.

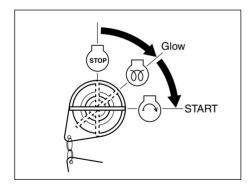
## Starting and stopping the engine (P)



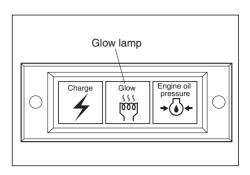


#### Starting procedure —

- 1) Sit on the seat, and adjust seat arrangement for safety.
- 2) Hold brake pedal down, pull parking brake lever up until it engages.
- 3) Make the reel rotary switch into the "STOP" position.
- 4) Pull the throttle lever a little to the upward.
- 5) When the ignition key is turned to the "GLOW" position, the glow lamp will turn on.

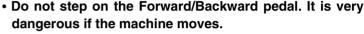


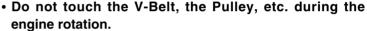
- 6) Fully turn the ignition key to rightward promptly when the glow lamp turns off, the starter will operate and the engine will start. Release it as soon as engine starts.
- 7) Ensure that the charge lamp and the engine oil pressure lamp turns off. When they do not turn off, stop the engine and perform the inspection and repair.

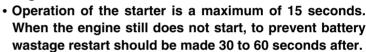














#### Stopping procedure —

- 1) Hold the brake pedal down, pull the parking brake lever up until it engages.
- 2) Make the reel rotary switch into the "STOP" position.
- 3) Return the throttle lever to the "LOW" position.
- 4) The engine will stop, when the ignition key turns to "STOP" position.

#### Safety device

This machine is equipped with the Safety device to starting/stopping of the engine as interlock system.

- Safety device on this machine prevents the engine from starting unless;
  - a. Sit on the seat.
  - b. Parking brake is engaged.
  - c. The reel rotation switch is "STOP" position.
- The interlock system will stop the engine if the operator leaves the seat without engaging the parking brake.

3-5



#### Cautions on fuel handling



- It is highly flammable. Do not smoke when handling fuel.
- Never fill the fuel tank indoors, and while engine is running or the engine is hot.



- In order to prevent the fire, always keep the engine clean and be sure to remove deposition of grass, grease, and oil.
- Clean spilled fuel immediately.

3-6



#### Cautions when leaving the machine









- 1) Stop the machine in level place and engage the parking brake.
- 2) Make the reel rotary switch into the "STOP" position", and lower the mower unit to the ground.
- 3) Stop the engine.
- 4) Remove the ignition key.
- 5) When effectiveness of the brake is not good, park the machine using wheel stoppers.



• Do not park on the slopes.

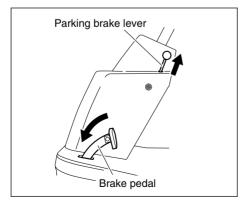
#### 3-7 Parking brake



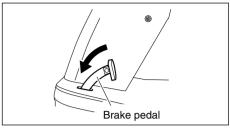


The parking brake is on the center housing left side.

Hold the brake pedal down and pull the parking brake lever up for engaging the parking brake.



Press the brake pedal down again for releasing the parking brake.

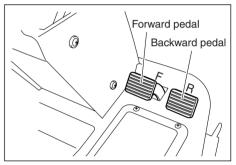


**A** Caution

 Be sure to run after releasing the parking brake. Otherwise, the brake disc and the hydraulic equipment are damaged.

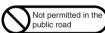
#### 3-8 Forward/Backward pedal

Two pedals system is adopted. To move forward, press the inside pedal down. To move backward, press the outside pedal down. If the pedal is returned, the machine will stop automatically.



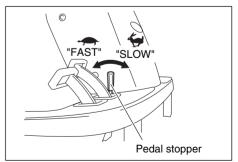
**A** Caution

 The travelling in the public road is not permitted by law.



#### 3-9 Speed limiter lever

It is a shift lever, which restricts the forward pedal step in amount. The step in amount decreases if it turns to the "SLOW" side.



**▲** Caution

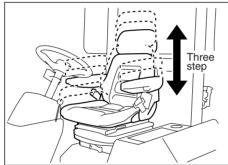
Be sure to make set to "SLOW" position when travelling by two-wheel-drive.

If make set to "FAST" position, it becomes too fast when the pedal is fully pressed in.

#### 3-10 Adjustment of seat

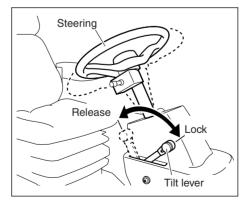
- The seat can be adjusted forward and backward by the seat lever (1).
- Angle adjustment of the reclining backrest can be performed by the lever (2).
- Hardness of the seat suspension can be adjusted by turning the handle (3)
   Check and adjust with the scale 4. (50~130kgf)
- Angle setting of the armrest can be performed by turning the knob (5).
- The height of the seat can adjust to the three steps by lifting the whole seat.





#### 3-11 Tilt steering

Pull lever up to release steering column. Tilt column up or down to position desired. Push lever back to lock steering column in place.

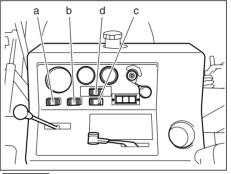




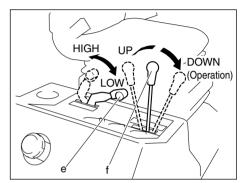
- Never adjust steering while machine is moving.
- To prevent serious accidents, ensure tilt steering lever is fastened during operation.

#### 3-12 Switches, levers on the operation panel

- a. Travelling-Mowing changeover switch
- b. 2WD 4WD changeover switch
- c. Reel rotary switch
- d. Reel rotation direction forward-reverse switch

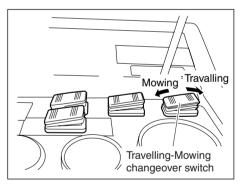


- e. Throttle lever
- f. Mower unit raise/lower lever

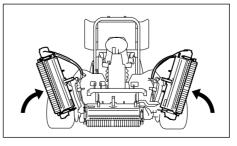


3-13 Travelling-Mowing changeover switch

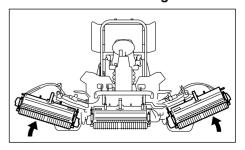
When it is set to UP, the position of mower unit #4#5 can be changed. Press switch to the "Travelling" position, #4 & #5 mower units raise to top. Press switch to the "Operating" position, #4 & #5 mower units raise up to middle.



Select "Travelling"

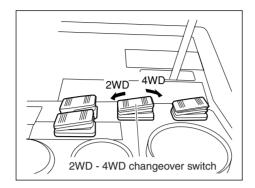


Select "Mowing"



#### 3-14 2WD - 4WD changeover switch

It is the switch that chooses two-wheel-drive (front wheel) travelling or four-wheel drive travelling. If it moves to the "2WD" position it will become the two-wheel-drive, and if it moves to the "4WD" position, it will become the four-wheel drive.





- When you move under the operation and by the sloping ground, be sure to choose the four-wheel drive.
- Operate the machine in consideration of the state of the roads and the ground, such as the slant and the undulation.





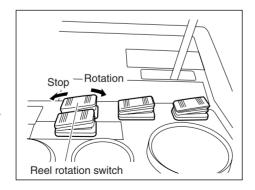


#### 3-15 Reel rotation switch

It is swing type switch with "ON" and "OFF" for the reel rotation.

To mow, press switch to "Rotation" position, and switch to "STOP" position to disable mowers.

Operate the reel rotation switch after deciding the rotation direction with the reel forward-reverse rotation switch.



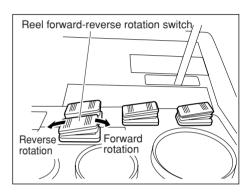


- When the mower unit is in the UP position, the reels do not rotate.
- When travelling-mowing changeover switch is NOT in the "Mowing" position, the reels do not rotate.
- Inspect the area where the machine will be used.



#### 3-16 Reel forward-reverse rotation switch

It is swing type switch that chooses the rotation direction of the reel. To mow, press the switch to the "Forward rotation" position. To backlapping, press the switch to the "Reverse rotation" position.

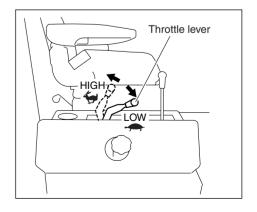


## **A** Caution

- When not operating the reel rotation switch, the reels do not rotate.
- Never switch forward and reverse while the reel rotating, otherwise hydraulic equipment may be damaged.

#### 3-17 | Throttle lever

If the throttle lever is pulling up to the top (HIGH), the engine speed becomes high, and if the throttle lever is lowering to the bottom (LOW), the engine speed becomes low.

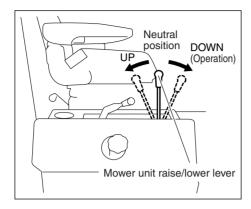


#### 3-18 | Mower unit raise/lower lever

It is the shifter lever that raises or lowers the mower unit.

If the shifter lever is moved to the "UP" position, the mower unit will go up, and if it is moved to the "DOWN" position, the mower unit will descend.

At the time of the mowing, move the shift lever to the "DOWN" position. If it is shifted to the neutral position, the cylinder is fixed and it cannot respond to the undulation.





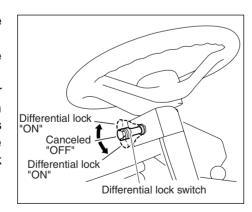
• Inspect the area where the machine will be used.



#### 3-19 Differential lock switch

It is located in the right side on the steering column.

It is the switch that operates the differential lock of the both front wheels. If the switch is moved to the upper or lower position, the front wheel will be in the differential lock state. If the switch is released, the switch will return to the neutral position and the differential lock will be canceled.





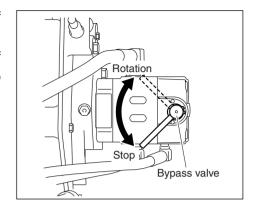
 Never perform the differential lock operation when it's not required. There is a possibility that the hydraulic equipment may be damaged.

#### 3-20 Bypass valve

It is located on the hydraulic motor of each mower unit.

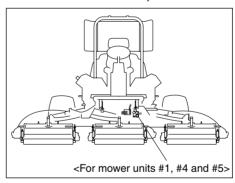
The hydraulic motor will become free if the shift lever is shifted to the stop position.

Rotate position: ( ( ). Stop position: ( ).



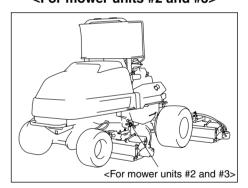
#### 3-21 Reel rotation adjusting valve

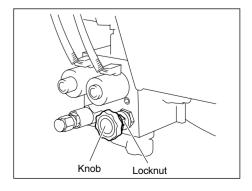
#### <For mower units #1, #4 and #5>



It is the valve that adjusts the rotation speed of the reel cutter. Loosen the locknut and turn in the knob, the rotation speed will become slow.

#### <For mower units #2 and #3>

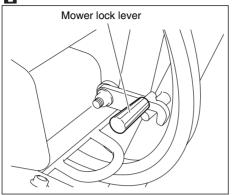




3-22 Mower lock lever



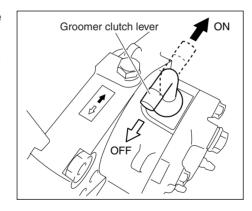
When you store the machine hang the mower lock lever when the mower unit #4 and #5 are raised.



#### 3-23 Groomer clutch lever (option)

It is the operating lever that makes the groomer "ON" or "OFF".

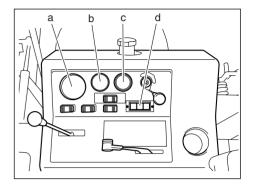
When you do not operate the groomer, be sure to shift it to "OFF" position.



## 4. Measuring instrument

#### Instruments of operation panel

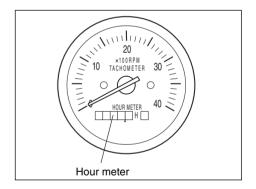
- a. Tachometer & hour meter
- b. Water temperature gauge
- c. Fuel level gauge
- d. Pilot lamp
- Charge lamp
- Glow lamp
- Oil pressure lamp (Engine oil pressure lamp)



#### **Tachometer & hour meter**

Indicate the engine speed and total operating hour.

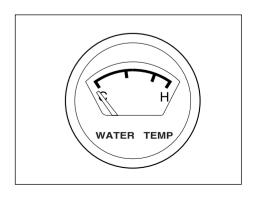
Carry out the periodic inspection and maintenance, and repair based on the operating hour.



#### Water temperature gauge

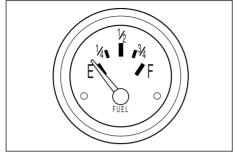
When the water temperature gauge rises to near "H" during the operation, it is in the overheating state. Stop the engine and carry out the maintenance and repair, after making the engine no-load and operating for 5 minutes in idling.

● If the water temperature raise above 115°C, the warning alarm (discontinuous sounds) will sound.



#### Fuel gauge

It indicates current fuel level. If the fuel gauge approaches E(Empty), supply fuel (diesel) immediately. The capacity of the fuel tank is approximately 51 Liters.





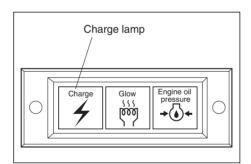
- Never fill gasoline (Petrol) into the tank.
- Never allow fuel to run out of the tank.
- Never overfill the tank.





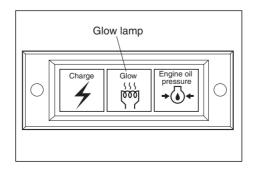
#### Charge lamp

The lamp turns on when the ignition switch is in the "ON" position. After the engine starts, and the light will turn off if it charges normal. When the lamp is turned on during operation, stop the engine immediately and inspect, do maintenance and repair.



#### **Glow lamp**

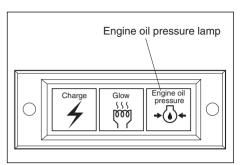
3-3 Starting and stopping the engine".



#### Oil pressure lamp (Engine oil pressure lamp)

The lamp turns on when the ignition switch is in the "ON" position.

After the engine starts, the light will be turned off, if the oil begins to circulate and it becomes the normal pressure. When the lamp is turned on during operation, stop the engine immediately and carry out the maintenance and repair.



## 



- 1) Pull up the throttle lever and set engine speed to MAX (2,600rpm). (Refer to 3-17)
- 2) Set the 2WD 4WD changeover switch to the "4WD" position. (Refer to 3-14)
- 3) Set the Travelling-Mowing changeover switch to the "Mowing" position. (Refer to 3-13)
- 4) Set the reel rotation forward reverse direction switch to the "Forward" position (Refer to 3-16)
- 5) Release the Mower lock lever. (Refer to 3-22)
- 6) Move the mower unit raise/lower lever to the "LOWER" position, and ensure lower the mower unit to the ground. (Refer to 3-18)
- 7) Move reel rotation switch to the "Rotation" position, and rotate the reel. (Refer to 3-15)
- 8) Hold the Forward pedal down and begin the operation.
- Respond to the raising or lowering of the mower unit, the reel will rotate or stop automatically.



- Be sure to operate by the speed that suited the working condition.
- The machine detects the position of the reel unit and decides "whether to rotate or stop" the reel. Keep in mind that the reel rotation may not stop if the mower unit is not fully raised by operating the mower unit raise/lower lever.

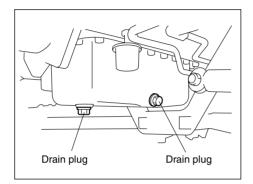
#### 6. Maintenance of the main unit

#### 6-1 Change of engine oil



Refer to the engine's instruction manual for handling of the engine.

- 1) Change the oil after the first 50 hours operation, and change it for every 100 hours operation from the next.
- 2) Remove drain plug on the oil pan. If it carries out while the engine is warm, the oil can be drained completely.





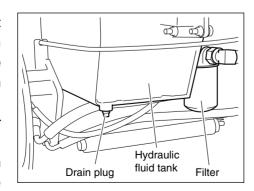
• Use the engine oil higher than the API service classification CD class.



• The engine oil is high temperature immediately after the operation. Change it after waiting for a while so that you may not be burned, when removing the drain plug.

### Change of hydraulic oil

- 1) Change the hydraulic oil after the first 100-hour operation, and change it in the shorter period between the one year and 500-hours operation from the next.
- 2) Always replace the hydraulic filter when changing oil.
- 3) Remove the drain plug on the bottom of the hydraulic oil tank, and drain the hydraulic oil.



- 4) Drain and replace the hydraulic oil if you notice the presence of water or foam in the oil (emulsifying), or contamination (lack of transparency).
- 5) Use the Shell Tellus 46 or equivalent products for the hydraulic oil.
- \* The capacity of the hydraulic oil tank is approximately 44Liters.
- \* Do not overfill

## 6-3 Inspection of oil leak



All of fittings for hydraulic hose, pump, cylinder etc. may loose after 50 hours operation. The fittings should be securely fastened.

\* The level sensor is attached to the hydraulic fluid tank. If the amount of hydraulic oil decreases about 2Liters, the warning alarm (discontinuous sounds) will sound.

#### Greasing each part

Carry out the greasing up to the following grease nipples every 50 hours.

|                    | Parts catalogue number                   |
|--------------------|--|
| Rear wheel section | 5-15                                     |
| Pedal section      | 6-19, 6-26, 7-5, 7-9, 7-30, 7-32         |
| Lift arm section   | 20-1, 20-13, 20-22, 20-24, 20-25, 20-26, |
|                    | 21-1, 21-11, 21-26, 21-27                |

#### 6-5 Replacement of fuses

#### 1) Fuse box.

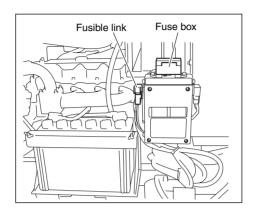
The spare fuse and the replacement tool are attached in the fuse box.

Replace with the fuses of the requirement rated capacity.

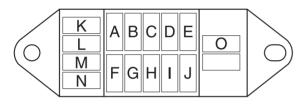
The fuses are mini-fuse for automobiles.

2) Fusible link

The fuse rated capacity of the fusible link is 50A.



#### Fuse box



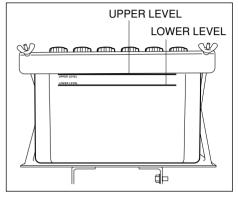
| Α | 5A           | Timer   |
|---|--------------|---|
| В | 5A           | Glow lamp   |
|   |              | Tachometer, fuel gauge, water temperature gauge, charge |
| С | 5A           | lamp, oil pressure (engine oil pressure) lamp, Water    |
|   |              | temperature warning alarm, Hydraulic oil warning alarm  |
| D | 15A          | Relay box 1   |
| E | 15A          | Relay box 2, differential lock                          |
| F | -            |   |
| G | 5A           | Timer   |
| Н | 5A           | Alternator  |
| 1 | 5A           | Fuel pump, cooling-fan valve safety relay, stop         |
| ' | JA.          | solenoid  |
| J | 5A           | Relay (starter)   |
| K | 5A           | Spare fuse  |
| L | 5A           |   |
| М | 15A          |   |
| N | 15A          |   |
| 0 | Fuse replace | ment tool   |

#### 6-6 Inspection of battery



Refer to the Battery's instruction manual.

Check the electrolyte level between "UPPER LEVEL" (maximum level line) and "LOWER LEVEL" (minimum level line). When the electrolyte level is falling below to half between "UPPER LEVEL" and "LOWER LEVEL", add the refining water to "UPPER LEVEL" immediately.



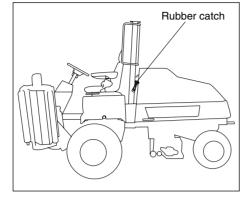
## **▲** Danger



- Do not drink electrolyte and avoid contact with skin, eyes or clothing. Wear protective glasses and protective clothes.
- Charging battery, battery generate explosive hydrogen gas as battery electrolyte contains sulfuric acid which is deadly poison and causes severe burns.
- Never smoke near the battery and keep sparks and flames away from it.
- When removing the battery, remove the negative (-) cable first, and positive (+) cable last. Install the battery, assemble the positive (+) cable first and negative (-) cable last.
- When you connect the battery cables, connect the positive and negative side correctly. When you mistake, the battery and the electrical equipment may be damaged. (The red-color cable is the positive side.)
- If a dry cloth is used to clean the battery, the static electricity may occur and there is danger of fire or explosion.

#### 6-7 Opening and closing the engine hood

Disconnect the rubber catch in right and left, and pull up the engine hood upwards until the wire stretches to the limit. When you close the engine hood, lower it slowly.





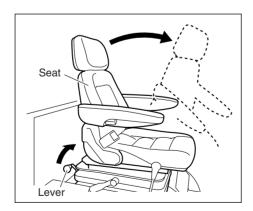
 When you close the engine hood, be careful not to pinch your hand.



• Do not open the engine hood at the windy place.

#### 6-8 Opening and closing the seat undercover

Raise the tilt steering column to the upper position first, and then move the seat to the rear end position. Pull up the lever behind the seat to release the lock, and then raise the seat and open the undercover. To close the undercover, lower it slowly.



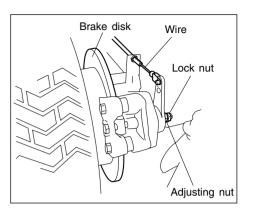


 When you close the undercover, be careful not to pinch your hand.



#### 6-9 | Adjustment of brake

Carry out the clearance adjustment, if the clearance between the brake disk and brake pad becomes large and effectiveness of the brake disc worsens. Loosen the lock nut, and tighten the adjusting nut; the clearance will become small. If adjusted to the proper clearance, tighten the lock nut securely. The fine adjustment can be performed with the wire. Be sure to adjust so that effectiveness of the brake disc on either side becomes the same.



## **⚠** Danger

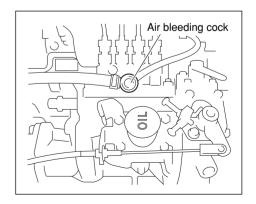
- It will generate heat, if the clearance is too small, and it becomes the cause of the fire.
- If effectiveness of the brake disc on either side is different, it may lead to an unexpected accident.

#### 6-10 Air-bleeding from fuel

Since this machine has equipped the automatic air bleeder, the air-bleeding operation is unnecessary.

\* Always use the air-bleeding valve with the fully open position.

If it is used in the closed position, it will become the cause of the engine stop.



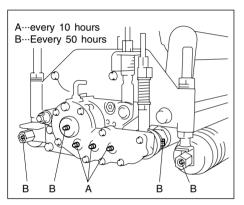
#### 7. Maintenance of the mower

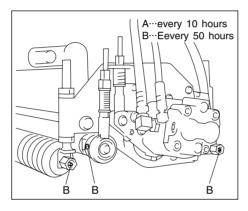
#### 7-1 Greasing

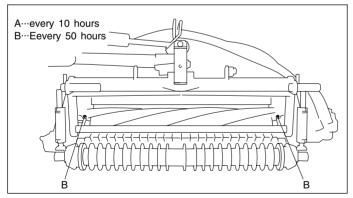
Carry out the greasing up periodically to each part grease fitting.

The parts greasing up every 10 hours is using the needle bearing. Be careful of the lubrication interval.

Carry out about 1g (1 to 2 times with manual-type small grease gun) grease up for each part with the grease (Excelite EP No. 2) respectively.



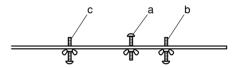




#### 7-2 Cutting height adjustment

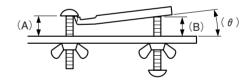


- To avoid personal injury and damage by the cutting edges wear groves and handle the reel and bedknife with extreme care.
- 1) Set the supplied cutting height gauge bar.



- a. Small adjusting screw for the cutting height setting
- b. Small adjusting screw for the bed knife angle adjustment
- c. Small adjusting screw for the Groomer adjustment
- (1) Set the "a" screw to desired cutting height.
- (2) Set the included angle of the bed knife with the screw of "b" by referring to the following table.

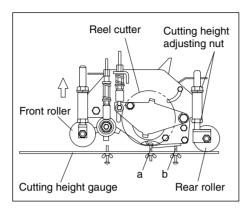
Example: When the angle of the bed knife is 5 degrees and 15mm of cutting height, use 12mm.

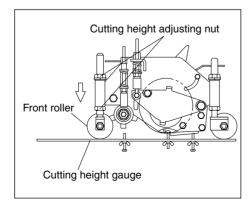


| Bed knife angle ( $\theta$ ) | Value of (B)                  |
|------------------------------|-------------------------------|
| 7°                           | Cutting height of (A) - 0.6mm |
| 6°                           | Cutting height of (A) - 1.8mm |
| 5°                           | Cutting height of (A) - 3.0mm |
| 4°                           | Cutting height of (A) - 4.2mm |
| 3°                           | Cutting height of (A) - 5.4mm |
| 2°                           | Cutting height of (A) - 6.6mm |
| 1°                           | Cutting height of (A) - 7.8mm |

\* Set the bed knife angle as the basis of 5 degrees, and change it depending on the situation.

- 2) Adjust the height of the rear roller.
- (1) As shown in the figure, apply the screw "a" and "b" on the cutting height gauge to the bed knife, and adjust the rear roller. (Decide the position of the rear roller on the basis of the bed knife angle.)
- (2) Loosen the cutting height adjusting nut first, and then adjust the rear roller according to the cutting height gauge.
- (3) At this time, to avoid incorrect adjustment, do not touch the Front Roller on cutting height gauge surface.
- (4) Tighten the cutting height adjusting nut securely after completing the setting.
- 3) Adjust the height of the front roller.
- (1) Loosen the cutting height adjusting nut for the front roller first, and lower the front roller down to the cutting height gauge.
- (2) Tighten the cutting height adjusting nut securely after completing the setting.
- 4) Repeat steps 2) (2), (3), (4) and 3) (1), (2) on opposite end. Complete adjustment to one end before adjusting opposite end.





#### 7-3

#### Adjusting the blades

\* Proper reel-to-bedknife adjustment is critical.

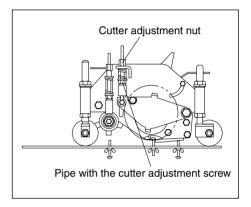


 When you adjust reel-to-bedknife, stop the engine and remove the ignition kev.



- Set Bypass valve on hydraulic motor to "Stop" position then reel cylinder will free rotate. (Refer to 3-20)
- 2) Inspect the reel blade and bedknife to ensure properly engaged. When the reel blade is properly adjusted to the bedknife, the reel cylinder will spin freely and you should be able to cut two sheets of newspaper, along the full length of the reel blade.

If the cutter adjustment nut is loosened, contact between the reel and bedknife become hard, and contact will become weak if it is tightened.



- 3) If no newspaper cutting due to wear or damage is evident, the cutting edges should be corrected by the lapping process.
- 4) If the reel cutter is worn out and the diameter becomes small, the tension of the spring will become weak. Loosen the pipe with the cutter adjustment screw, and adjust the tension of the spring.





- Both the reel cylinder and bed knife are the cutting tools. When you handle with them, be careful of injury.
- When you try cutting the newspaper, be careful not to pinch your fingertip, which turns the reel cutter.

#### Lapping

- 1) Inspect whether the newspaper can cleanly cut across the full length of reel.
- 2) Set the bypass valve lever of the hydraulic motor into the "Rotation" position on the lapping mower unit. Set bypass valve lever of the hydraulic motor into "Stop" position on the mower unit, which does not carry out lapping.
- 3) Put the engine into operation and operate at a low speed.
- 4) Press the "Travelling Mowing" changeover switch to mowing position. (Refer to | 3-13 |)
- 5) Set the reel forward-reverse rotation switch into the "Reverse" position. (Refer to 3-16 )
- 6) Set the reel rotation switch into the "rotation" position, and carry out the lapping rotation of the reel blade. (Refer to 3-15)
- 7) Adjust reel rotation adjusting valve to the desired speed. (Refer to 3-21)
- 8) Apply lapping compound to the part where a newspaper was cut with brush. (Never apply lapping compound to the part where was not cut well.) Use lapping compound which is a mixture of oil and emery (#150 - #200) at rate of 1:3 to 4.
- 9) Rotate the reel cylinder for a while, if there is no longer contact sound, stop the rotation, and then stop the engine.
- 10) Check full length of the reel cylinder whether there are the parts that cut off the newspaper well, and the parts that don't cut the newspaper. Repeat the above steps and at the same time, make a slight adjustment on the reel unit there is a uniform clearance along full length of the cutting edges.
- 11) Finally apply lapping compound to full length on the edge of the reel blade, and carry out final lapping.
- 12) When finished, carefully and thoroughly clean off the remaining lapping compound.
- 13) Return the reel rotation adjusting valve to the original position.



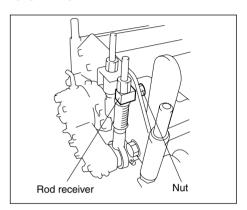
- Both the reel cylinder and bed knife are the cutting tools. When you handle with them, be careful of injury.
- · When you try cutting the newspaper, be careful not to pinch your fingertip, which turns the reel cutter.

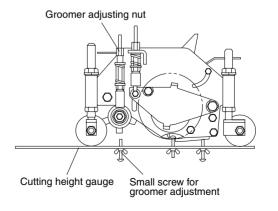


 When you wash the abrasive, be careful not to pour water to the Electrical equipment and the switches. If they become wet, it may cause unexpected accident.

#### Adjustment of the groomer (option)

- 1) Set the small adjusting screw for groomer adjustment on the cutting height gauge to the specified height. (Refer to | 7-2 |)
- 2) Loosen the rod receiver nut, and lower the whole groomer unit to the bottom of the long hole.
- 3) Tighten the rod receiver nut, and adjust the height of the groomer with the adjusting nut for the groomer.
- 4) When you do not use the groomer, raise the whole groomer unit to the top of the long hole.





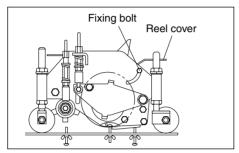




- Always use the cutting height gauge, and adjust it so that right and left sides become parallel. The bearings may be damaged if it is not used.
- Set the groomer height more than 5mm from the ground. If it is used by less than it, the groomer axis, bearing, and gear, etc. may be damaged.

#### 7-6 Adjustment of the reel cover

- Loosen the fixing bolts on the right and left sides of the reel cover, and adjust the angle of the reel cover.
- When you use the optional grass box, set the reel cover housing in the most closed position.



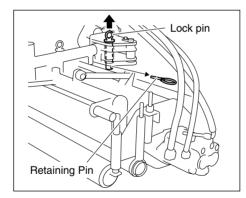
#### 7-7 Turning the #2 and #3 mower units

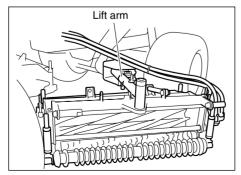
It is easily maintainable if the #2 and #3 mower unit turn to outside of the main body.

 Lower the mower unit, and remove the Retaining pin, and then pull out the Lock pin.

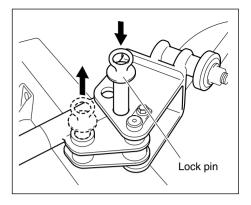


Turn the mower unit to outside of the main body.

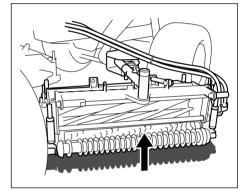




 After turning, install the Lock pin over the hole for retaining at the time of the maintenance.

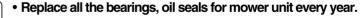


4) Raise the mower unit.



5) Return the mower unit to the original state in the reverse procedure after the maintenance.







 The hydraulics motor housing with the hydraulic motor is filled up with the lubricating grease (PYRONOC No. CC0).
 Check and supply every 200 hours.



Both the reel cylinder and bed knife are the cutting tools.
 When you handle with them, be careful of injury.

#### 8. Cautions for maintenance

8-1



#### **Cautions for maintenance**



- Read this manual carefully and have full knowledge of the maintenance procedure.
- Stay the machine on a flat, clean and dried place.
- Never lubricate or maintenance where the engine is run.
- Keep hands, feet away from drive/moving part if engine is run.



- Set lower the mower unit to the ground, engage parking brake, stop the engine and remove key from ignition switch.
- Use correct/appropriate parts in good condition.
- Repair or replace worn or damaged parts immediately.
- Do not modify any mechanical equipments/parts. Use Baroness genuine equipments or parts for safety.



- Clean up grass and debris, oil/grease or fuel spillage.
- Make sure to disconnect the negative (-) battery cable before maintaining the electric circuit.
- When you maintain with the machine raised, carry out the safe support securely.



8-2



## Prevention of the damage caused by high-pressure oil



• When high pressure oil is injected to the skin, get seriously injured.

• Check visible hose, fittings before operating the machine.

• Eliminate the pressure before removing the high-pressure line hose coupling.



 Use the paper or cardboard for the test of oil leak. If hydraulic oil is injected into the skin, be sure to have medical treatment by doctor within 2 to 3 hours.

#### 8-3 Maintenance schedule

♦ Use the required tools suitable for the purpose of the maintenance.

|           | Maintenance   | Before<br>use | Every<br>50hrs      | Every<br>100hrs     | Every<br>200hrs | Every<br>500hrs | Every 6 months |
|-----------|---|---------------|---------------------|---------------------|-----------------|-----------------|----------------|
| ,         | Inspection of engine oil                            | $\bigcirc$    |                     |                     |                 |                 |                |
|           | Change of engine oil                                |               | (Initial operation) | 0                   |                 |                 |                |
|           | Replacement of oil filter                           |               | (Initial operation) | 0                   |                 |                 |                |
|           | Cleaning of radiator and oil cooler                 | $\bigcirc$    |                     |                     |                 |                 |                |
| _         | Inspection of coolant                               | 0             |                     |                     |                 |                 |                |
| Engine    | Inspection and cleaning of air filter               | $\circ$       |                     |                     |                 |                 |                |
| ne        | Replacement of air filter element                   |               |                     |                     | $\bigcirc$      |                 |                |
|           | Inspection of fan belt                              | 0             |                     |                     |                 |                 |                |
|           | Inspection of battery electrolyte                   |               |                     |                     |                 |                 | 0              |
|           | Replacement of fuel filter                          |               |                     |                     |                 | 0               |                |
|           | Inspection of tires                                 | $\bigcirc$    |                     |                     |                 |                 |                |
|           | Inspection of fuel                                  | $\circ$       |                     |                     |                 |                 |                |
|           | Inspection of hydraulic oil                         | 0             |                     |                     |                 |                 |                |
|           | Replacement of hydraulic oil                        |               |                     | (Initial operation) |                 | 0               |                |
| Me        | Replacement of oil filter                           |               |                     | (Initial operation) |                 | 0               |                |
| Main body | Inspection of brake                                 | 0             |                     |                     |                 |                 |                |
| ody       | Oil leakage of each part                            | $\bigcirc$    |                     |                     |                 |                 |                |
| ,         | Inspection of slack or damage on each part          | $\bigcirc$    |                     |                     |                 |                 |                |
|           | Grease up (rear wheel and mower) (Refer to 7-1)     |               | 0                   |                     |                 |                 |                |
|           | Inspection of grease in the hydraulic motor housing |               |                     |                     | $\bigcirc$      |                 |                |
|           | Contact condition of the blades on reel cutter.     | $\bigcirc$    |                     |                     |                 |                 |                |
|           | Remove adhesion of cutting grass, etc.              | $\bigcirc$    |                     |                     |                 |                 |                |

#### <Specifications for periodic maintenance>

| Engine oil capacity           | MAX: 9.7 L MIN: 7 L             | Higher than the API service classification CD class |
|-------------------------------|---------------------------------|---|
| Coolant capacity              | Total capacity 12 L             | Including 1 L in reserve tank                       |
| Tire pressure (standard tire) | Front tire 150 kPa (1.5kgf/cm²) |   |
|                               | Rear tire 140 kPa (1.4kgf/cm²)  |   |
| Fuel tank capacity            | Approximately 51 L              | Diesel JIS2 type                                    |
| Oil tank capacity             | Approximately 44 L              | Use the Shell Tellus 46 equivalent                  |

#### <Wear parts lists for the engine, hydraulic system>

#### For engine

| Parts name            | Code No.       | Parts catalogue No. |
|-----------------------|----------------|---------------------|
| Oil filter element    | PF16414-3243-0 | 11-19               |
| Air filter element    | PFR1401-4227-0 | 10-46               |
| Fan belt              | PF17112-9701-0 | -                   |
| Fuel filter cartridge | PF15221-4317-0 | 10-16               |
| Battery               | K3600000180    | 9-55                |
| Throttle wire         | LM2700-0535Z0  | 9-33                |

#### For hydraulics system

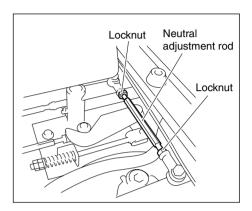
| Parts name                    | Code No.    | Parts catalogue No. |
|-------------------------------|-------------|---------------------|
| Oil pressure filter cartridge | K3410000030 | 12-35               |
| Suction filter                | K3413000040 | 12-68               |

## 9. Adjustment of the other functions

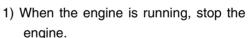
#### 9-1 Adjustment of the neutral position of piston pump



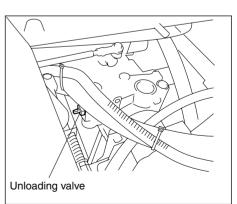
- 1) Jack up the machine and put on a stable stand, and float the front and rear wheels.
- 2) Raise the seat upwards.
- 3) Start the engine and run at high speed, and put the 2WD-4WD changeover switch into "2WD."
- 4) When the front wheel rotates in the forward direction, loosen the locknut and turn in the direction that reduces the length of the neutral adjustment rod. When rotating in the backward direction, turn in the direction that extends the length of the neutral adjustment rod. Find the position at which the front wheel stops and tighten the locknut.



## 9-2 Traction when the machine is unable to travel.



- 2) Apply the parking braking and attach a wheel stopper.
- 3) Set the 2WD-4WD changeover switch into "2WD."
- 4) Raise the seat upward.
- 5) Turn 90 degrees of the unloading valve beside the hydraulic pump.





- When you tow, drive carefully at a low speed.
- When you put the engine into operation next time, be sure to start after returning the unloading valve.

## 10. Long-term storage



Please refer to the Engine/Battery operation manuals for details.

Stay the machine at flat and stable place, then turn the engine off and set the parking brake, lower the mower unit, and remove key from ignition switch.

- 1. Clean grass and debris from mower unit, drives, muffler, radiator and engine. Clean up oil, grease or fuel spillage.
- 2. Inspect and replace the engine oil and filter element.
- 3. Refill oil and apply lubricating/greasing to each lubrication part.
- 4. Drain the fuel in the fuel tank. Do this outdoors.
- 5. Set the air pressure in the tires slightly higher than normal, place the machine on a board to avoid humidity.
- 6. Inspect all bolts, nuts and screws tightened. If worn or damaged replace them.
- 7. Repair or replace damaged parts and paint peelings. Store it where is dry and free from rain.
- 8. Remove the battery from the machine. If you keep the battery installed in the machine, disconnect the grounding side (negative side).

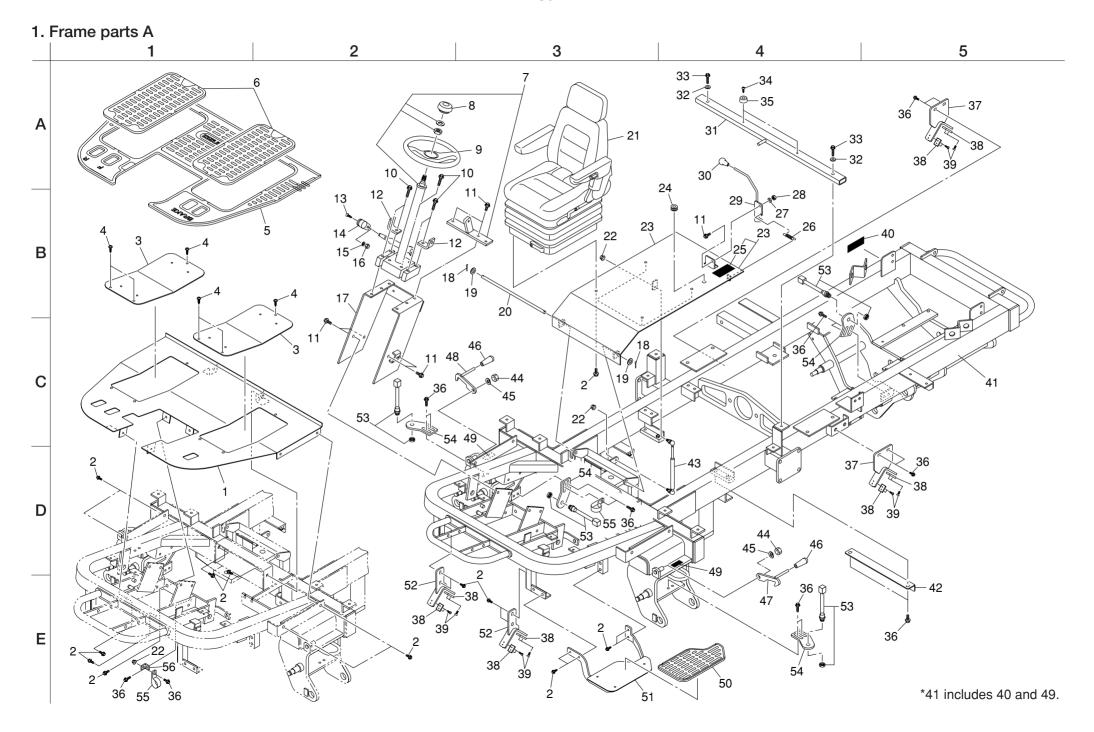


## PARTS CATALOGUE

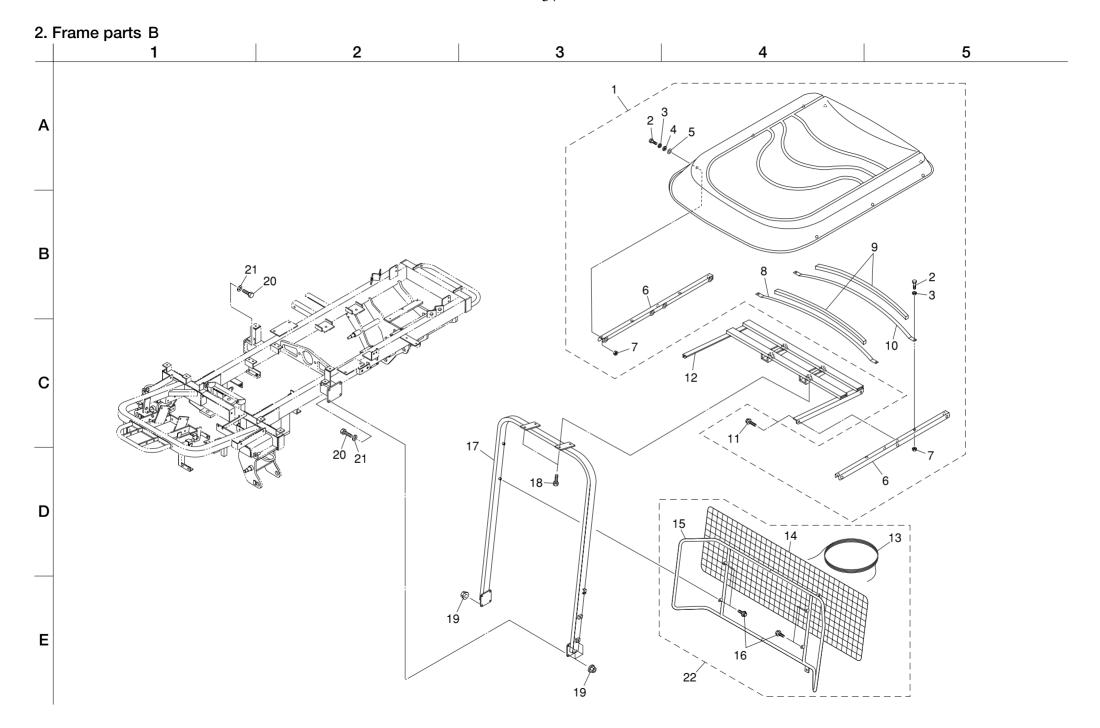
## ☆ Ordering parts

All parts in this parts catalogue are controlled by computer. For prevention of delivery of wrong parts, advise us of the catalogue No., code No., and part name.

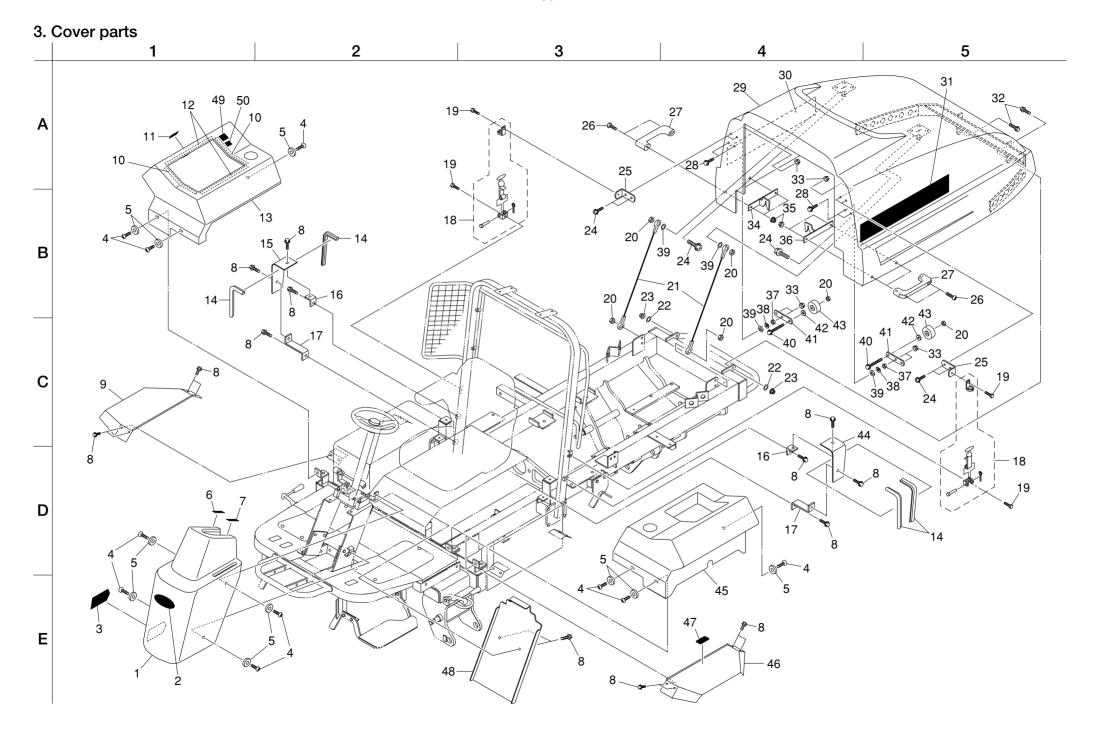
(Example) Catalogue No. Code No. Part Name Qty 1-1 LM2700-0620ZD step



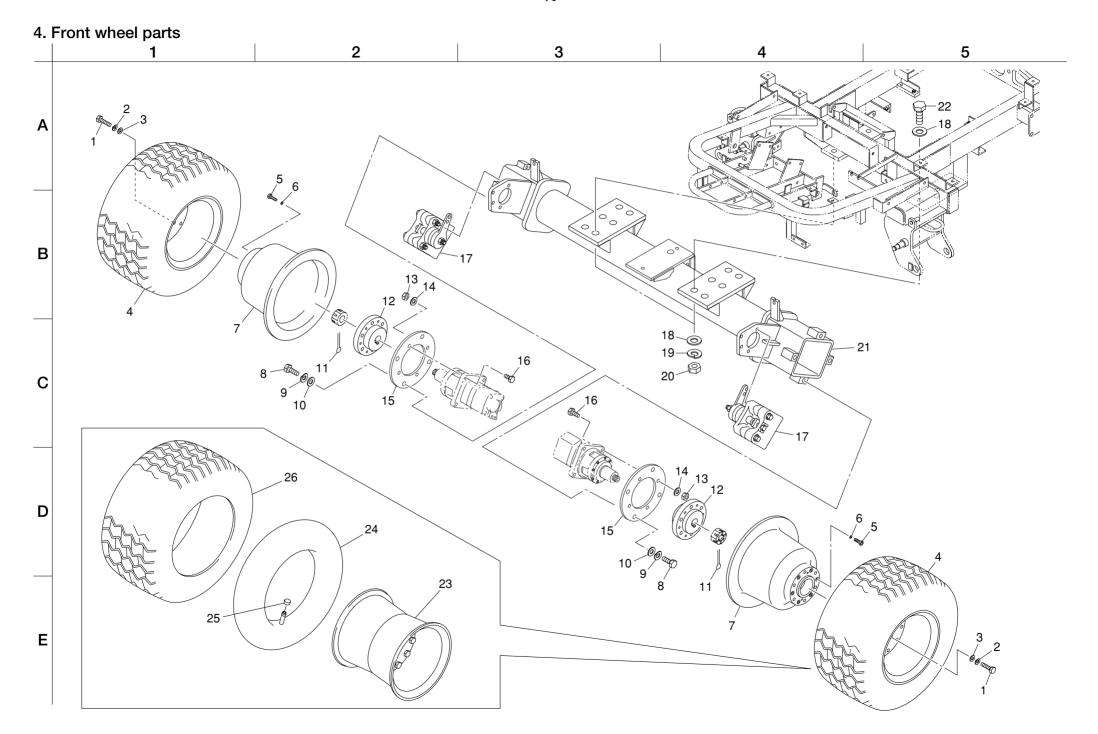
| Cat No. | Code No.      | Part Name                         | Qty | Remark | Cat No. | Code No.      | Part Name                    | Qty | Remark |
|---------|---------------|-----------------------------------|-----|--------|---------|---------------|------------------------------|-----|--------|
| 1-1     | LM2700-0620ZD | step                              | 1   |        | 1-36    | K0021080202   | 8 bolt with flange 20        | 16  |        |
| 1-2     | K0021080152   | 8 bolt with flange 15             | 22  |        | 1-37    | LM2700-0614ZD | mower stopper                | 2   |        |
| 1-3     | LM2700-0621ZD | step cover                        | 2   |        | 1-38    | LM526A-0107Z0 | stopper                      | 8   |        |
| 1-4     | K0062080122   | 8 hexagonal socket button bolt 12 | 6   |        | 1-39    | K0041060122   | 6+ countersunk head screw 12 | 16  |        |
| 1-5     | LM2700-0628Z0 | step rubber (L)                   | 1   |        | 1-40    | K4205001540   | caution mark (hot parts)     | 1   |        |
| 1-6     | LM2700-0629Z0 | step rubber (S)                   | 2   |        | 1-41    | LM2700-3601Z0 | frame COMP                   | 1   |        |
| 1-7     | K173000040    | tilt steering column              | 1   |        | 1-42    | LM2700-0610ZD | stay                         | 1   |        |
| 1-8     | K1310000130   | rubber cap                        | 1   |        | 1-43    | K3381000010   | gas spring C25               | 1   |        |
| 1-9     | K1710000100   | steering wheel V027220-0101A      | 1   |        | 1-44    | K0145140002   | 14U nut P1.5                 | 2   |        |
| 1-10    | K0061100502   | 10 bolt with flange 50            | 8   |        | 1-45    | K0210140002   | 14 conical disk spring L     | 2   |        |
| 1-11    | K0021100202   | 10 bolt with flange 20            | 7   |        | 1-46    | K130000110    | 9 grip yellow 22             | 2   |        |
| 1-12    | LM2700-0931ZD | front cover mount                 | 2   |        | 1-47    | LM5260619AD   | #5 lock lever                | 1   |        |
| 1-13    | K0042050082   | 5+ round head small screw 8       | 1   |        | 1-48    | LM5260618AD   | #4 lock lever                | 1   |        |
| 1-14    | K1301000150   | throttle lever grip               | 1   |        | 1-49    | K4205000750   | arm lock caution plate       | 2   |        |
| 1-15    | K0200050002   | 5S washer                         | 1   |        | 1-50    | LM2700-0630Z0 | step rubber                  | 1   |        |
| 1-16    | K0100050002   | 5 nut                             | 1   |        | 1-51    | LM2700-0619ZD | step                         | 1   |        |
| 1-17    | LM2700-0602ZD | handle mount                      | 1   |        | 1-52    | LM2700-0615ZD | mower stopper                | 2   |        |
| 1-18    | K0300020202   | 2 split pin 20                    | 2   |        | 1-53    | LM2700-0557Z0 | proximity sensor E2E-X5E     | 4   |        |
| 1-19    | K5000120002   | 12 washer                         | 2   |        | 1-54    | LM2700-0625ZD | switch mount plate           | 4   |        |
| 1-20    | LM2700-0609Z2 | 12 shaft with holes 333           | 1   |        | 1-55    | K4270050080   | 50 harness clip M8           | 2   |        |
| 1-21    | K1700000250   | saddle DS85H/90                   | 1   |        | 1-56    | LM2700-0571ZD | mount                        | 1   |        |
| 1-22    | K0151080002   | 8 nut with flange                 | 3   |        |         |               |                              |     |        |
| 1-23    | LM2700-3602Z0 | seat mount COMP                   | 1   |        |         |               |                              |     |        |
| 1-24    | K0900300240   | grommet with film C30SG24A        | 1   |        |         |               |                              |     |        |
| 1-25    | K4205001580   | caution mark (injury)             | 1   |        |         |               |                              |     |        |
| 1-26    | K103000098    | 1.6U hook spring 1266.8           | 1   |        |         |               |                              |     |        |
| 1-27    | K5000100002   | 10 washer                         | 1   |        |         |               |                              |     |        |
| 1-28    | K0144100002   | 10U nut                           | 1   |        |         |               |                              |     |        |
| 1-29    | LM2700-0607ZD | lever                             | 1   |        |         |               |                              |     |        |
| 1-30    | K130000040    | 9 grip black 35.5                 | 1   |        |         |               |                              |     |        |
| 1-31    | LM2700-0608ZD | seat receiver                     | 1   |        |         |               |                              |     |        |
| 1-32    | K5073210352   | 3.2SPHC metal washer 1035         | 2   |        |         |               |                              |     |        |
| 1-33    | K0021100402   | 10 bolt with flange 40            | 2   |        |         |               |                              |     |        |
| 1-34    | K0042050152   | 5+ round head small screw 15      | 2   |        |         |               |                              |     |        |
| 1-35    | K4039000130   | rubber foot TK-3220               | 2   |        |         |               |                              |     |        |



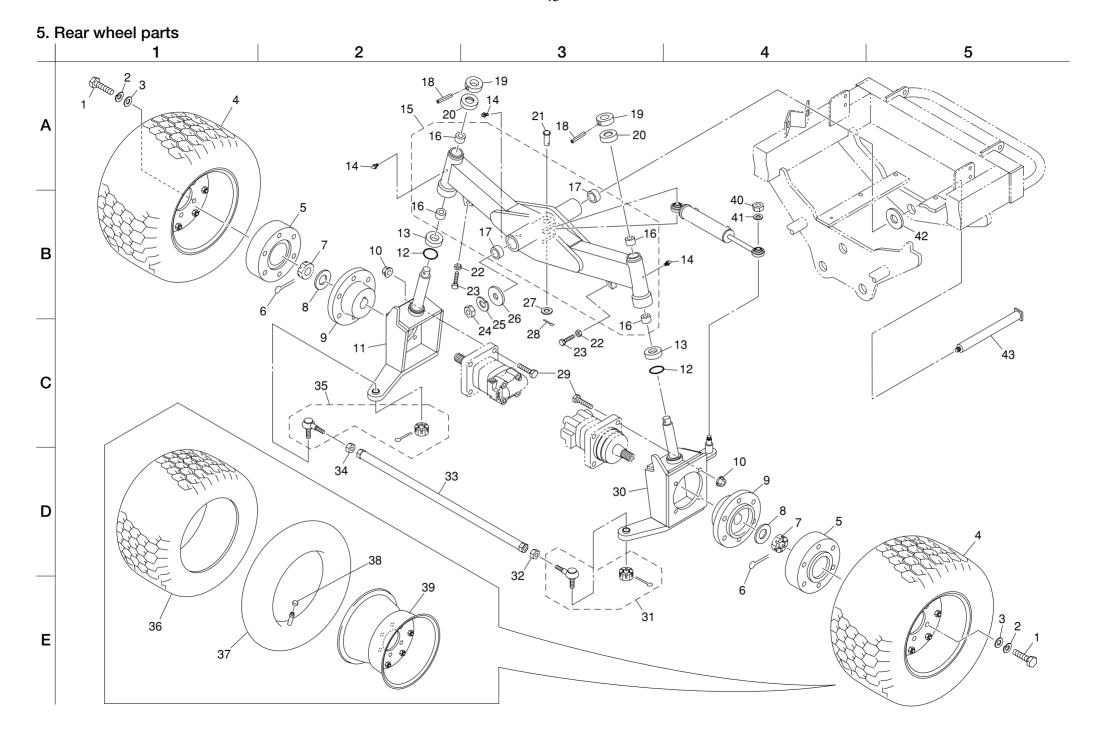
| Cat No. | Code No.      | Part Name                 | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
|---------|---------------|---------------------------|-----|--------|---------|----------|-----------|-----|--------|
| 2-1     | K912000030    | roof Ass'y                | 1   |        |         |          |           |     |        |
| 2-2     | K0000080152   | 8 bolt 15                 | 10  |        |         |          |           |     |        |
| 2-3     | K0200080002   | 8S washer                 | 10  |        |         |          |           |     |        |
| 2-4     | K5012308322   | 2.3SPCC metal washer 832  | 6   |        |         |          |           |     |        |
| 2-5     | K1900000130   | rubber for roof           | 6   |        |         |          |           |     |        |
| 2-6     | K190000011D   | hood support              | 2   |        |         |          |           |     |        |
| 2-7     | K0100080002   | 8 nut                     | 10  |        |         |          |           |     |        |
| 2-8     | K190000010D   | arch B                    | 1   |        |         |          |           |     |        |
| 2-9     | K1900000120   | 20 urethane sponge 20840  | 2   |        |         |          |           |     |        |
| 2-10    | K190000009D   | arch A                    | 1   |        |         |          |           |     |        |
| 2-11    | K0021100202   | 10 bolt with flange 20    | 4   |        |         |          |           |     |        |
| 2-12    | K722000007D   | awning frame              | 1   |        |         |          |           |     |        |
| 2-13    | K414000010    | φ 2 rope 6700             | 2   |        |         |          |           |     |        |
| 2-14    | K413000010    | ball-proof net 500×1375   | 1   |        |         |          |           |     |        |
| 2-15    |               | ball-proof net mount pipe | 1   |        |         |          |           |     |        |
| 2-16    |               | 8 bolt with flange 15     | 4   |        |         |          |           |     |        |
| 2-17    | LM2700-0626ZD | roll bar                  | 1   |        |         |          |           |     |        |
| 2-18    | K0021120202   | 12 bolt with flange 20    | 4   |        |         |          |           |     |        |
| 2-19    | K0151120002   | 12 nut with flange        | 8   |        |         |          |           |     |        |
| 2-20    |               | 12 bolt 30                | 8   |        |         |          |           |     |        |
| 2-21    | K5000120002   | 12 washer                 | 8   |        |         |          |           |     |        |
| 2-22    | K899000010    | ball-proof net Ass'y      | 1   |        |         |          |           |     |        |
|         |               |                           |     |        |         |          |           |     |        |
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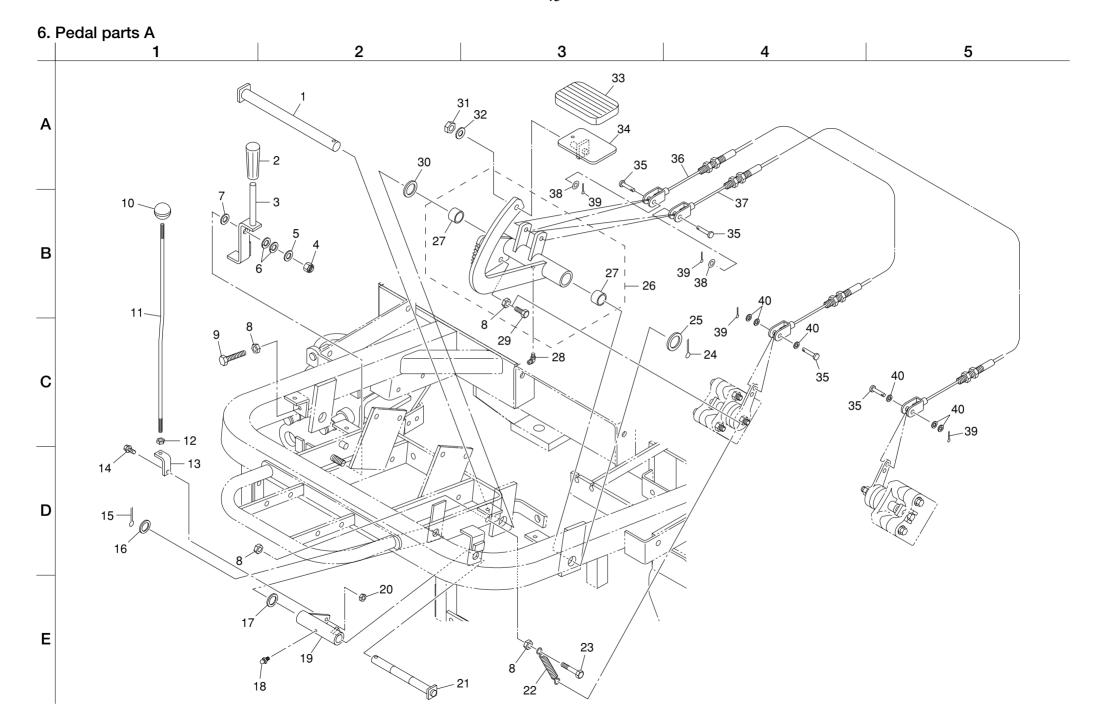
| Cat No. | Code No.      | Part Name                    | Qty | Remark | Cat No. | Code No.      | Part Name                | Qty | Remark |
|---------|---------------|------------------------------|-----|--------|---------|---------------|--------------------------|-----|--------|
|         |               |                              |     |        |         |               |                          |     |        |
| 3-1     | LM2700-0926Z0 | front cover                  | 1   |        | 3-36    | LM2700-0934ZD | bonnet stopper (L)       | 1   |        |
| 3-2     | K4201000570   | BARONESS mark                | 1   |        | 3-37    | K0100080002   | 8 nut                    | 4   |        |
| 3-3     | K4203001370   | velocity mark                | 1   |        | 3-38    | K0200080002   | 8S washer                | 4   |        |
| 3-4     | K0045080202   | 8+ truss small screw 20      | 10  |        | 3-39    | K5000080002   | 8 washer                 | 4   |        |
| 3-5     | K4031000070   | 5 unti-vibration rubber 825  | 10  |        | 3-40    | K0021080502   | 8 bolt with flange 50    | 2   |        |
| 3-6     | K4203001350   | tilt steering mark           | 1   |        | 3-41    | LM2700-0944ZD | roller bracket           | 2   |        |
| 3-7     | K4203001340   | parking brake mark           | 1   |        | 3-42    | K4031000210   | rubber washer            | 2   |        |
| 3-8     | K0021080152   | 8 bolt with flange 15        | 18  |        | 3-43    | K2141000020   | caster wheel No.4H-P     | 2   |        |
| 3-9     | LM2700-0941ZD | tyre cover (R)               | 1   |        | 3-44    | LM2700-0948ZD | auxiliary cover (L)      | 1   |        |
| 3-10    | K4228000050   | 10 rubber sponge 20330       | 2   |        | 3-45    | LM2700-0952Z0 | side cover (L)           | 1   |        |
| 3-11    | K4209001000   | diesel fuel seal             | 1   |        | 3-46    | LM2700-0940ZD | tyre cover (L)           | 1   |        |
| 3-12    | K4228000060   | 10 rubber sponge 20380       | 2   |        | 3-47    | K4209000980   | hydraulic oil mark       | 1   |        |
| 3-13    | LM2700-0953Z0 | side cover (R)               | 1   |        | 3-48    | LM2700-0951ZD | front rear cover         | 1   |        |
| 3-14    | K3198103500   | trim seal black 6100-16C-350 | 4   |        | 3-49    | K4205001330   | high noise levels symbol | 1   |        |
| 3-15    | LM2700-0949ZD | auxiliary cover (R)          | 1   |        | 3-50    | K4209000770   | noise level Lwa 104 mark | 1   |        |
| 3-16    | LM2700-0946ZD | auxiliary cover mount angle  | 2   |        |         |               |                          |     |        |
| 3-17    | LM2700-0947ZD | auxiliary cover bracket      | 2   |        |         |               |                          |     |        |
| 3-18    | K1520000030   | rubber catch Ass'y           | 2   |        |         |               |                          |     |        |
| 3-19    | K0021060102   | 6 bolt with flange 10        | 4   |        |         |               |                          |     |        |
| 3-20    | K0144080002   | 8U nut                       | 6   |        |         |               |                          |     |        |
| 3-21    | K1170092000   | cable 920                    | 2   |        |         |               |                          |     |        |
| 3-22    | K5000120002   | 12 washer                    | 2   |        |         |               |                          |     |        |
| 3-23    | K0144120002   | 12U nut                      | 2   |        |         |               |                          |     |        |
| 3-24    | K0021080202   | 8 bolt with flange 20        | 6   |        |         |               |                          |     |        |
| 3-25    | LM2700-0943ZD | rubber catch mount plate     | 2   |        |         |               |                          |     |        |
| 3-26    | K0042060252   | 6+ round head small screw 25 | 4   |        |         |               |                          |     |        |
| 3-27    | K1301000160   | handle                       | 2   |        |         |               |                          |     |        |
| 3-28    | K0021080302   | 8 bolt with flange 30        | 4   |        |         |               |                          |     |        |
| 3-29    | LM2700-0945A0 | bonnet COMP                  | 1   |        |         |               |                          |     |        |
| 3-30    | LM2700-0956Z0 | BARONESS mark LM2700 (R)     | 1   |        |         |               |                          |     |        |
| 3-31    | LM2700-0955Z0 | BARONESS mark LM2700 (L)     | 1   |        |         |               |                          |     |        |
| 3-32    | K0021120302   | 12 bolt with flange 30       | 2   |        |         |               |                          |     |        |
| 3-33    | K0151080002   | 8 nut with flange            | 8   |        |         |               |                          |     |        |
| 3-34    | LM2700-0935ZD | bonnet stopper (R)           | 1   |        |         |               |                          |     |        |
| 3-35    |               | 6 nut with flange            | 4   |        |         |               |                          |     |        |



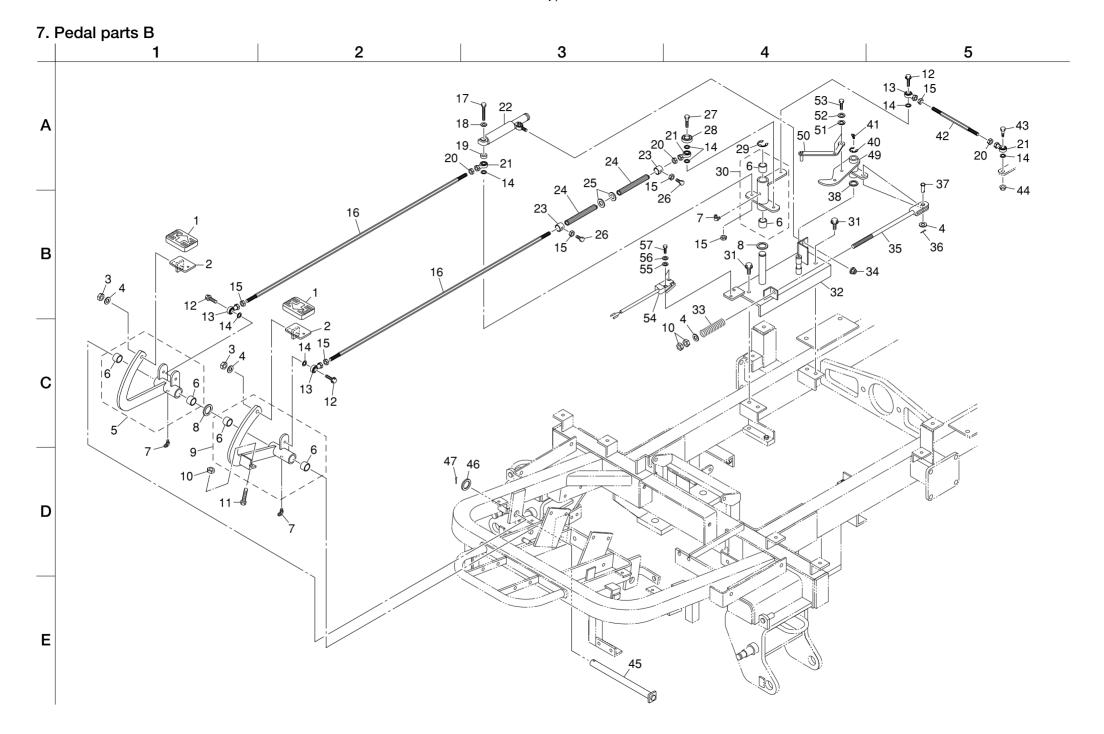
| Cat No. | Code No.      | Part Name                                  | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
|---------|---------------|--|-----|--------|---------|----------|-----------|-----|--------|
| 4-1     | K0014120652   | 12 heat-treated bolt 65P1.5                | 12  |        |         |          |           |     |        |
| 4-2     | K0200120002   | 12S washer                                 | 12  |        |         |          |           |     |        |
| 4-3     | K5000120002   | 12 washer                                  | 12  |        |         |          |           |     |        |
| 4-4     | K204000510    | tyre Ass'y 26.5×14.00-12TL                 | 2   |        |         |          |           |     |        |
| 4-5     | K0024080401   | 8 hexagonal socket bolt 40                 | 12  |        |         |          |           |     |        |
| 4-6     | K0215080002   | 8 metal washer with conical disk spring 2H | 12  |        |         |          |           |     |        |
| 4-7     | LM2700-0305ZD | brake disk                                 | 2   |        |         |          |           |     |        |
| 4-8     | K0014160402   | 16 heat-treated bolt 40P1.5                | 8   |        |         |          |           |     |        |
| 4-9     | K0200160002   | 16S washer                                 | 8   |        |         |          |           |     |        |
| 4-10    | K5000160002   | 16 washer                                  | 8   |        |         |          |           |     |        |
| 4-11    | K0300040502   | 4 split pin 50                             | 2   |        |         |          |           |     | _      |
| 4-12    | LM2700-0306ZD | wheel clamping seat                        | 2   |        |         |          |           |     |        |
| 4-13    | K0100140002   | 14 nut                                     | 8   |        |         |          |           |     |        |
| 4-14    | K0200140002   | 14S washer                                 | 8   |        |         |          |           |     |        |
| 4-15    | LM2700-0307Z2 | motor mount plate                          | 2   |        |         |          |           |     |        |
| 4-16    | K0013140502   | 14 heat-treated bolt 50                    | 8   |        |         |          |           |     |        |
| 4-17    | K1720000190   | RT brake Ass'y                             | 2   |        |         |          |           |     |        |
| 4-18    |               | 20 washer                                  | 8   |        |         |          |           |     |        |
| 4-19    | K0200200002   | 20S washer                                 | 4   |        |         |          |           |     |        |
| 4-20    |               | 20 nylon nut P1.5                          | 4   |        |         |          |           |     |        |
| 4-21    | LM2700-0308ZD | front axle                                 | 1   |        |         |          |           |     |        |
| 4-22    | K0015200702   | 20 heat-treated bolt 70P1.5                | 4   |        |         |          |           |     |        |
| 4-23    |               | wheel 12I×12                               | 2   |        |         |          |           |     |        |
| 4-24    |               | tube 26×14.00-12                           | 2   |        |         |          |           |     |        |
| 4-25    |               | valve cap                                  | 2   |        |         |          |           |     |        |
| 4-26    | K2041000300   | tyre 26.5×14.00-12TL                       | 2   |        |         |          |           |     |        |
|         |               |  |     |        |         |          |           |     |        |
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|         |               |  |     |        |         |          |           |     |        |



| Cat No. | Code No.      | Part Name                            | Qty | Remark | Cat No. | Code No.    | Part Name                                   | Qty | Remark |
|---------|---------------|--------------------------------------|-----|--------|---------|-------------|---|-----|--------|
|         |               |                                      |     |        |         |             |   |     |        |
| 5-1     | K0014120652   | 12 heat-treated bolt 65P1.5          | 12  |        | 5-36    | K2041000390 | tyre 20×12.0-10RS                           | 2   |        |
| 5-2     | K0200120002   | 12S washer                           | 12  |        | 5-37    | K2091000340 | tube 20×11.00-10                            | 2   |        |
| 5-3     | K5000120002   | 12 washer                            | 12  |        | 5-38    | K2093000110 | valve cap                                   | 2   |        |
| 5-4     | K2040000630   | tyre Ass'y 20×12.00-10               | 2   |        | 5-39    | K209000082L | wheel 10×8.50DCT                            | 2   |        |
| 5-5     | LM2700-0310ZD | rear wheel spacer                    | 2   |        | 5-40    | K0145140002 | 14U nut P1.5                                | 1   |        |
| 5-6     | K0300050452   | 5 split pin45                        | 2   |        | 5-41    | K0215140001 | 14 metal washer with conical disk spring 2H | 1   |        |
| 5-7     | K0138240002   | 24 slotted high nut P1.5             | 2   |        | 5-42    | K5051030500 | 1C519P metal washer 3050                    | 1   |        |
| 5-8     | K5000240002   | 24 washer                            | 2   |        | 5-43    | K7147000258 | shaft with M16 30316                        | 1   |        |
| 5-9     | GM1500A0240AD | front wheel clamping seat 90         | 2   |        |         |             |   |     |        |
| 5-10    | K0151120002   | 12 nut with flange                   | 8   |        |         |             |   |     |        |
| 5-11    | LM2700-0303ZD | kingpin (R)                          | 1   |        |         |             |   |     |        |
| 5-12    | K0880048000   | O-ring P48                           | 2   |        |         |             |   |     |        |
| 5-13    | K0640511070   | thrust bearing 51107                 | 2   |        |         |             |   |     |        |
| 5-14    | K144000010    | grease nipple                        | 3   |        |         |             |   |     |        |
| 5-15    | LM2700-0301ZD | pivot                                | 1   |        |         |             |   |     |        |
| 5-16    | K600000500    | 35 bush 4235                         | 4   |        |         |             |   |     |        |
| 5-17    | K6000000080   | 30 bush 3630                         | 2   |        |         |             |   |     |        |
| 5-18    | K0320080501   | 8 spring pin 50                      | 2   |        |         |             |   |     |        |
| 5-19    | K6213000113   | 25 collar with hole 5020             | 2   |        |         |             |   |     |        |
| 5-20    | K6204000383   | cover                                | 2   |        |         |             |   |     |        |
| 5-21    | K6031200568   | 20 hardened flat head pin 56         | 1   |        |         |             |   |     |        |
| 5-22    | K0159000052   | 12 small nut                         | 2   |        |         |             |   |     |        |
| 5-23    | K0010120502   | 12 heat-treated bolt 50              | 2   |        |         |             |   |     |        |
| 5-24    | K0100160002   | 16 nut                               | 1   |        |         |             |   |     |        |
| 5-25    | K0200160002   | 16S washer                           | 1   |        |         |             |   |     |        |
| 5-26    | K5073216352   | 3.2PHC metal washer 1635             | 1   |        |         |             |   |     |        |
| 5-27    | K5012320402   | 2.3SPCC metal washer 2040            | 1   |        |         |             |   |     |        |
| 5-28    | K0300032322   | 3.2 split pin 32                     | 1   |        |         |             |   |     |        |
| 5-29    | K0000120452   | 12 bolt 45                           | 8   |        |         |             |   |     |        |
| 5-30    | LM2700-0302ZD | kingpin (L)                          | 1   |        |         |             |   |     |        |
| 5-31    | K1611000020   | tie-rod end (L) Ass'y                | 1   |        |         |             |   |     |        |
| 5-32    | K0160000202   | 17 left-hand thread special nut P1.5 | 1   |        |         |             |   |     |        |
| 5-33    | LM2700-0304ZD | tie-rod                              | 1   |        |         |             |   |     |        |
| 5-34    | K0160000192   | 17 special nut P1.5                  | 1   |        |         |             |   |     |        |
| 5-35    |               | tie-rod end (R) Ass'y                | 1   |        |         |             |   |     |        |

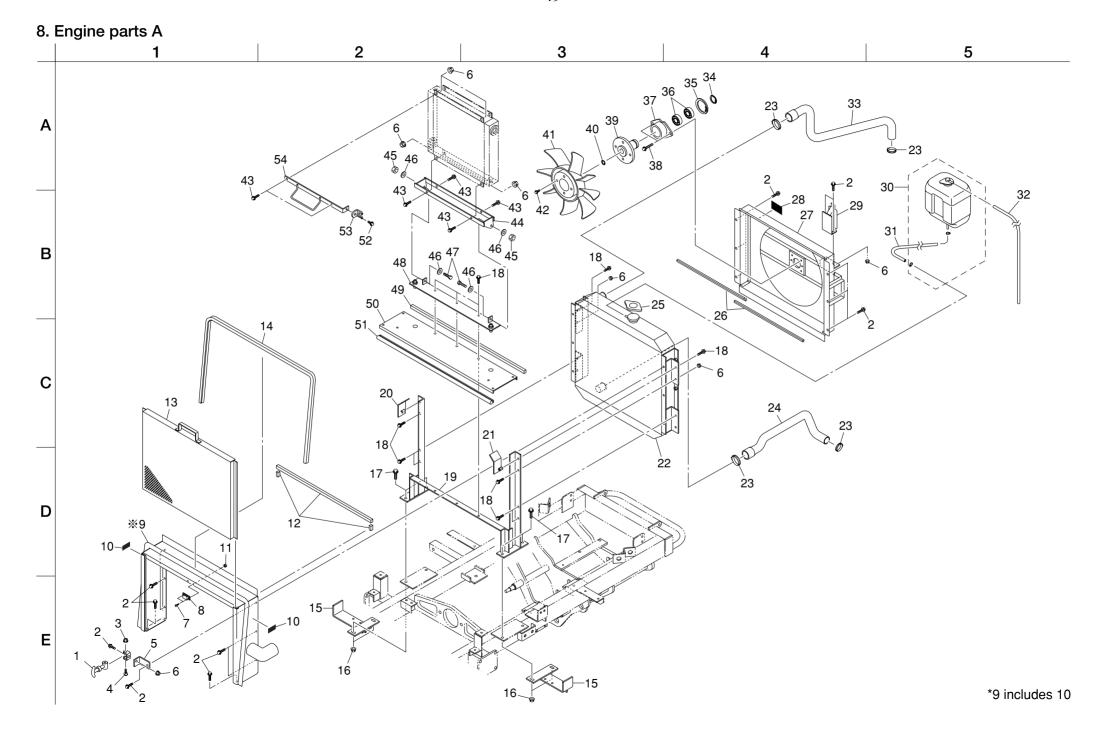


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|---------|---------------|-----------------------------|-----|--------|---------|-------------|--------------------------|-----|--------|
| 6-1     | LM2700-0411Z2 | pedal shaft                 | 1   |        | 6-36    | K1120238000 | brake wire 2380          | 1   |        |
| 6-2     | K130000070    | 9 grip black 22             | 1   |        | 6-37    | K1120205500 | brake wire 2055          | 1   |        |
| 6-3     | LM2700-0405ZD | work speed stopper          | 1   |        | 6-38    | K5000080002 | 8 washer                 | 2   |        |
| 6-4     | K0145140002   | 14U nut P1.5                | 1   |        | 6-39    | K0300020162 | 2 split pin 16           | 4   |        |
| 6-5     | K5000140002   | 14 washer                   | 1   |        | 6-40    | K5012308182 | 2.3SPCC metal washer 818 | 6   |        |
| 6-6     | K0210140002   | 14 conical disk spring L    | 2   |        |         |             |                          |     |        |
| 6-7     | K5011014252   | 1SPCC metal washer 1425     | 1   |        |         |             |                          |     |        |
| 6-8     | K0100100002   | 10 nut                      | 4   |        |         |             |                          |     |        |
| 6-9     | K0010100702   | 10 heat-treated bolt 70     | 1   |        |         |             |                          |     |        |
| 6-10    | K1301000050   | lever grip                  | 1   |        |         |             |                          |     |        |
| 6-11    | LM2700-0407ZD | lock shaft                  | 1   |        |         |             |                          |     |        |
| 6-12    | K0100080002   | 8 nut                       | 1   |        |         |             |                          |     |        |
| 6-13    | LM2700-0406ZD | shaft mounting plate        | 1   |        |         |             |                          |     |        |
| 6-14    | K0021060152   | 6 bolt with flange 15       | 1   |        |         |             |                          |     |        |
| 6-15    | K0300032252   | 3.2 split pin 25            | 1   |        |         |             |                          |     |        |
| 6-16    | K5012316282   | 2.3SPCC metal washer 1628   | 1   |        |         |             |                          |     |        |
| 6-17    | K5011016242   | 1SPCC metal washer 1624     | 1   |        |         |             |                          |     |        |
| 6-18    | K144000010    | grease nipple               | 1   |        |         |             |                          |     |        |
| 6-19    | LM2700-0404ZD | brake mount                 | 1   |        |         |             |                          |     |        |
| 6-20    | K0144060002   | 6U nut                      | 1   |        |         |             |                          |     |        |
| 6-21    | LM2700-0410Z2 | brake shaft                 | 1   |        |         |             |                          |     |        |
| 6-22    | K1020000048   | 2.3 round hook spring 1480  | 1   |        |         |             |                          |     |        |
| 6-23    | K0003100502   | 10 bolt 50                  | 1   |        |         |             |                          |     |        |
| 6-24    | K0300032322   | 3.2 split pin 32            | 1   |        |         |             |                          |     |        |
| 6-25    | K5012320402   | 2.3SPCC metal washer 2040   | 1   |        |         |             |                          |     |        |
| 6-26    | LM2700-0403ZD | brake pedal                 | 1   |        |         |             |                          |     |        |
| 6-27    | K6000000280   | 20 bush 2420                | 2   |        |         |             |                          |     |        |
| 6-28    | K1440000020   | C-shaped grease nipple      | 1   |        |         |             |                          |     |        |
| 6-29    | K0000100202   | 10 bolt 20                  | 1   |        |         |             |                          |     |        |
| 6-30    | K5011020322   | 1SPCC metal washer 032      | 1   |        |         |             |                          |     |        |
| 6-31    | K0144100002   | 10U nut                     | 1   |        |         |             |                          |     |        |
| 6-32    | K5000100002   | 10 washer                   | 1   |        |         |             |                          |     |        |
| 6-33    | K4050000050   | pedal rubber 70100          | 1   |        |         |             |                          |     |        |
| 6-34    | LM2700-0409ZD | pedal A                     | 1   |        |         |             |                          |     |        |
| 6-35    | K6031080222   | 8 hardened flat head pin 22 | 4   |        |         |             |                          |     |        |



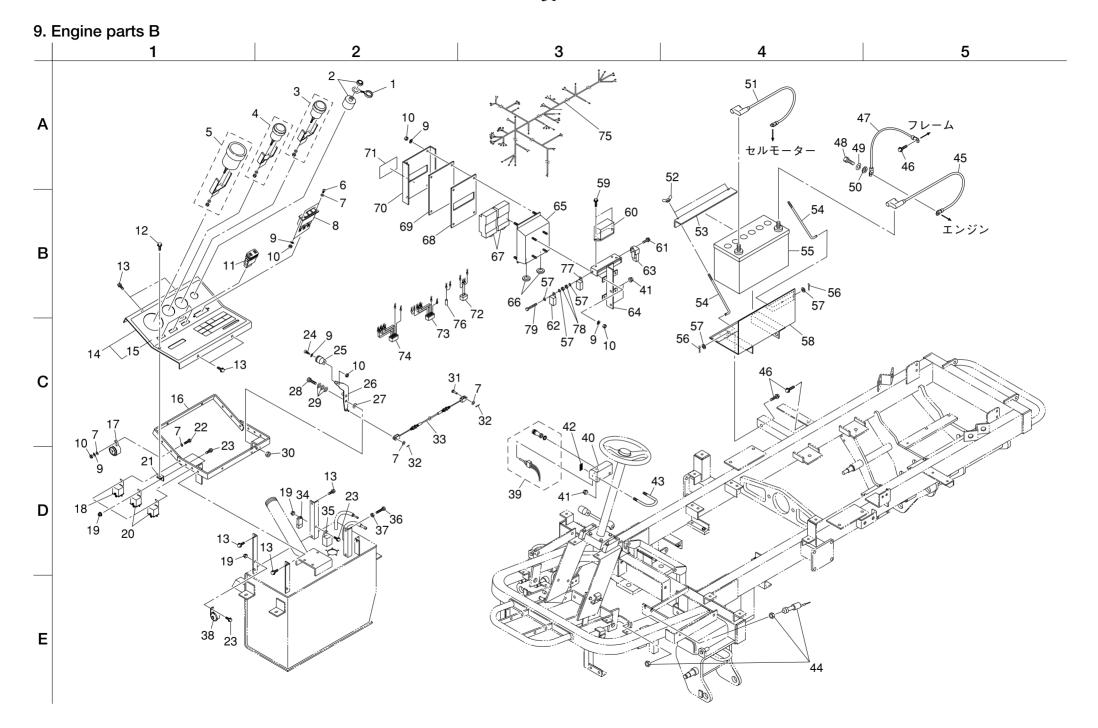
| Cat No. | Code No.      | Part Name                     | Qty | Remark |
|---------|---------------|-------------------------------|-----|--------|
| 7-1     | LM2700-0420Z0 | pedal rubber 5575             | 2   |        |
| 7-2     | LM2700-0408ZD | pedal B                       | 2   |        |
| 7-3     | K0144100002   | 10U nut                       | 2   |        |
| 7-4     | K5000100002   | 10 washer                     | 4   |        |
| 7-5     | LM2700-0402ZD | backward pedal                | 1   |        |
| 7-6     | K6000000280   | 20 bush 2420                  | 6   |        |
| 7-7     | K1440000020   | C-shaped grease nipple        | 3   |        |
| 7-8     | K5011020322   | 1SPCC metal washer 2032       | 2   |        |
| 7-9     | LM2700-0401ZD | forward pedal                 | 1   |        |
| 7-10    | K0100100002   | 10 nut                        | 3   |        |
| 7-11    | K0000100352   | 10 bolt 35                    | 1   |        |
| 7-12    | K0021080302   | 8 bolt with flange 30         | 3   |        |
| 7-13    | K1601080000   | pillow ball rod end PHS8      | 3   |        |
| 7-14    | K5073208202   | 3.2SPHC metal washer 820      | 7   |        |
| 7-15    | K0100080002   | 8 nut                         | 6   |        |
| 7-16    | LM2700-0415Z2 | screw rod 875                 | 2   |        |
| 7-17    | K0003080552   | 8 bolt 55                     | 1   |        |
| 7-18    | K5000080002   | 8 wahser                      | 1   |        |
| 7-19    | LM1840310Z2   | damper collar                 | 1   |        |
| 7-20    | K0180080002   | 8 left-hand thread nut        | 3   |        |
| 7-21    | K16010800L0   | pillow ball rod end PHS8LA    | 3   |        |
| 7-22    | K338000010    | lever damper                  | 1   |        |
| 7-23    | K6218000012   | 12 collar with tap 2220       | 2   |        |
| 7-24    | K1000000558   | 2 compression spring 18100    | 2   |        |
| 7-25    | K5000120002   | 12 washer                     | 2   |        |
| 7-26    | K0000080152   | 8 bolt 15                     | 2   |        |
| 7-27    | LM2700-0418Z2 | special bolt with M8          | 1   |        |
| 7-28    | K0608006290   | bearing 6292RS                | 1   |        |
| 7-29    | K0400015002   | stop ring E15                 | 1   |        |
| 7-30    | LM2700-0413Z2 | pump idle lever               | 1   |        |
| 7-31    | K0021100152   | 10 bolt with flange 15 (1pc)  | 2   |        |
| 7-32    |               |                               |     |        |
| 7-33    | K100000082D   | 2.6 compression spring 17.270 | 1   |        |
| 7-34    | K0151080002   | 8 nut with flange             | 1   |        |
| 7-35    | LM2700-0419Z2 | lever adjuster                | 1   |        |

| Cat No. | Code No.      | Part Name                    | Qty | Remark |
|---------|---------------|------------------------------|-----|--------|
| 7-36    | K0300025202   | 2.5 split pin 20             | 1   |        |
| 7-37    | K6031100258   | 10 hardened flat head pin 25 | 1   |        |
| 7-38    | K5011016242   | 1SPCC metal washer 1624      | 1   |        |
| 7-39    |               |                              |     |        |
| 7-40    | K0400012002   | stop ring E12                | 1   |        |
| 7-41    | K144000030    | B-shaped grease nipple       | 1   |        |
| 7-42    | LM2700-0416Z2 | screw rod 170                | 1   |        |
| 7-43    | LM2700-0417Z2 | special bolt with M6         | 1   |        |
| 7-44    | K0151060002   | 6 nut with flange            | 1   |        |
| 7-45    | LM2700-0411Z2 | pedal shaft                  | 1   |        |
| 7-46    | K5012320402   | 2.3SPCC metal washer 2040    | 1   |        |
| 7-47    | K0300032322   | 3.2 split pin 32             | 1   |        |
| 7-48    | LM2700-1801Z2 | pump center fitting          | 1   |        |
| 7-49    | LM2700-1802Z2 | pump center lever            | 1   |        |
| 7-50    | LM2700-1803Z2 | lever                        | 1   |        |
| 7-51    | K5000060002   | 6 washer                     | 2   |        |
| 7-52    | K0200060002   | 6S washer                    | 2   |        |
| 7-53    | K0000060152   | 6 bolt 15                    | 2   |        |
| 7-54    | K3670000130   | limit switch AZ3725-1        | 1   |        |
| 7-55    | K0042040252   | 4+ round head small screw 25 | 2   |        |
| 7-56    | K0200040002   | 4S washer                    | 2   |        |
| 7-57    | K5000040002   | 4 washer                     | 2   |        |
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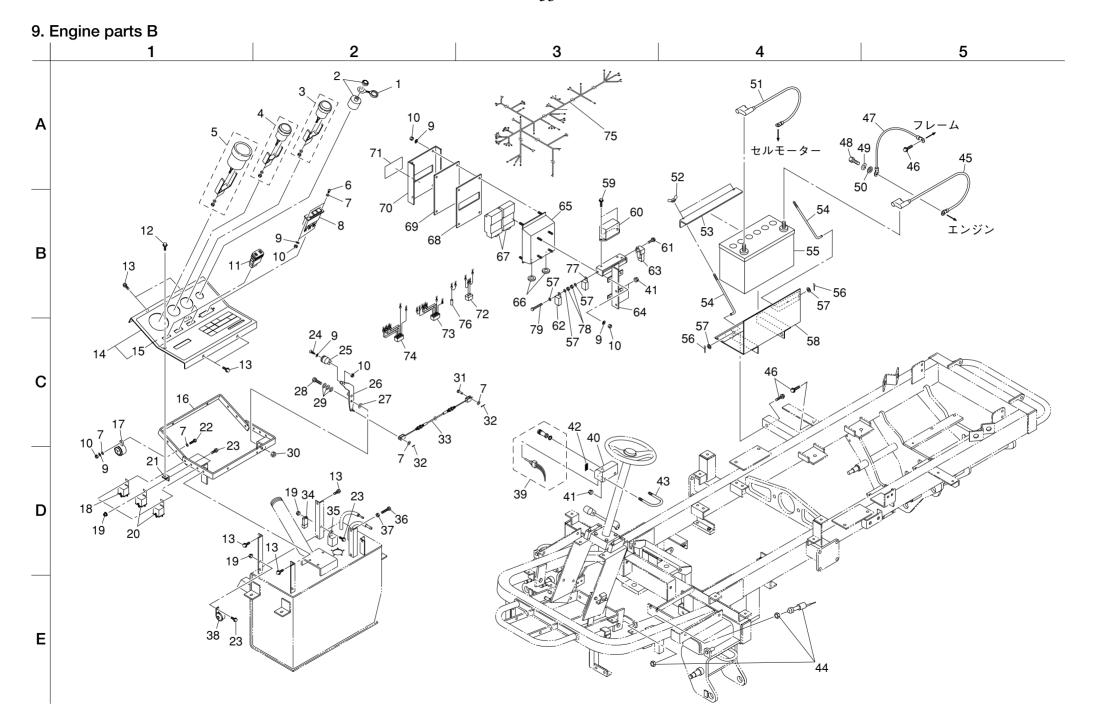
| Cat No. | Code No.       | Part Name                      | Qty | Remark |
|---------|----------------|--------------------------------|-----|--------|
| 8-1     | K1520000090    | rubber catch (S)               | 1   |        |
| 8-2     | K0021080152    | 8 bolt with flange 15          | 16  |        |
| 8-3     | K0144060002    | 6U nut                         | 1   |        |
| 8-4     | K0042060352    | 6+ round head small screw 35   | 1   |        |
| 8-5     | LM2700-0542ZD  | catch mount (L)                | 1   |        |
| 8-6     | K0151080002    | 8 nut with flange              | 13  |        |
| 8-7     | K0044030152    | 3+ round head small screw 15SW | 2   |        |
| 8-8     | K1510000080    | magnet catch TL-107            | 1   |        |
| 8-9     | LM2700-3501Z0  | dust-proof plate frame COMP    | 1   |        |
| 8-10    | K4205001580    | caution mark (injury)          | 1   |        |
| 8-11    | K0100030002    | 3 nut                          | 2   |        |
| 8-12    | K4220000040    | 15 urethane sponge 20700       | 1   |        |
| 8-13    | LM2700-0544ZD  | dust-proof plate               | 1   |        |
| 8-14    | K3198616800    | trim seal black 6100-16A-1680  | 1   |        |
| 8-15    | LM2700-0936ZD  | bonnet receiver                | 2   |        |
| 8-16    | K0151100002    | 10 nut with flange             | 4   |        |
| 8-17    | K0021100302    | 10 bolt with flange 30         | 4   |        |
| 8-18    | K0021080202    | 8 bolt with flange 20          | 11  |        |
| 8-19    | LM2700-0509ZD  | radiator mount                 | 1   |        |
| 8-20    | LM2700-0550ZD  | roller guide (R)               | 1   |        |
| 8-21    | LM2700-0549ZD  | roller guide (L)               | 1   |        |
| 8-22    | LM2700-0506Z0  | radiator                       | 1   |        |
| 8-23    | K4261024000    | parker clamp 29-50             | 4   |        |
| 8-24    | LM2700-0554Z0  | radiator lower hose            | 1   |        |
| 8-25    | K2731000010    | radiator cap                   | 1   |        |
| 8-26    | K4220000220    | 10 urethane sponge 10550       | 2   |        |
| 8-27    | LM2700-0508ZD  | shroud                         | 1   |        |
| 8-28    | K4205001530    | rotating parts hazard label    | 1   |        |
| 8-29    | PF15521-7246-2 | reserve tank stay              | 1   |        |
| 8-30    | PF15501-7240-4 | reserve tank Ass'y             | 1   |        |
| 8-31    | LM2700-0558Z0  | radiator drain hose            | 1   |        |
| 8-32    | LM2700-0559Z0  | tank drain hose                | 1   |        |
| 8-33    | LM2700-0553Z0  | radiator upper hose            | 1   |        |
| 8-34    | K0401025001    | stop ring S25                  | 1   |        |
| 8-35    | K0402047001    | stop ring R47                  | 1   |        |

| Cat No. | Code No.        | Part Name                    | Qty | Remark |
|---------|-----------------|------------------------------|-----|--------|
| 8-36    | K0613060050     | bearing 60052RDC3            | 2   |        |
| 8-37    | LM535F-3403Z2   | pulley housing               | 1   |        |
| 8-38    | K0021080302     | 8 bolt with flange 30        | 2   |        |
| 8-39    | LM2700-0507Z2   | cooling fan mount            | 1   |        |
| 8-40    | K0402013001     | stop ring R13                | 1   |        |
| 8-41    | PF16483-7411-1  | fan                          | 1   |        |
| 8-42    | K0021060102     | 6 bolt with flange 10        | 4   |        |
| 8-43    | K0021080252     | 8 bolt with flange 25        | 6   |        |
| 8-44    | LM2700-0569ZD   | oil cooler under fitting     | 1   |        |
| 8-45    | K0144100002     | 10U nut                      | 2   |        |
| 8-46    | K5000100002     | 10 washer                    | 4   |        |
| 8-47    | K0000100252     | 10 bolt 25                   | 2   |        |
| 8-48    | LM2700-0539ZD-Y | oil cooler receiver          | 1   |        |
| 8-49    | K4220000260     | 15 urethane sponge 15790     | 1   |        |
| 8-50    | LM2700-0538ZD   | dust-proof plate under frame | 1   |        |
| 8-51    | K3198607900     | trim seal black 6100-16A-790 | 1   |        |
| 8-52    | K0021080102     | 8 bolt with flange 10 (1pc)  | 1   |        |
| 8-53    | K5270002352     | rubber catch receiver        | 1   |        |
| 8-54    | LM2700-0568ZD   | oil cooler upper fitting     | 1   |        |
|         |                 |                              |     |        |
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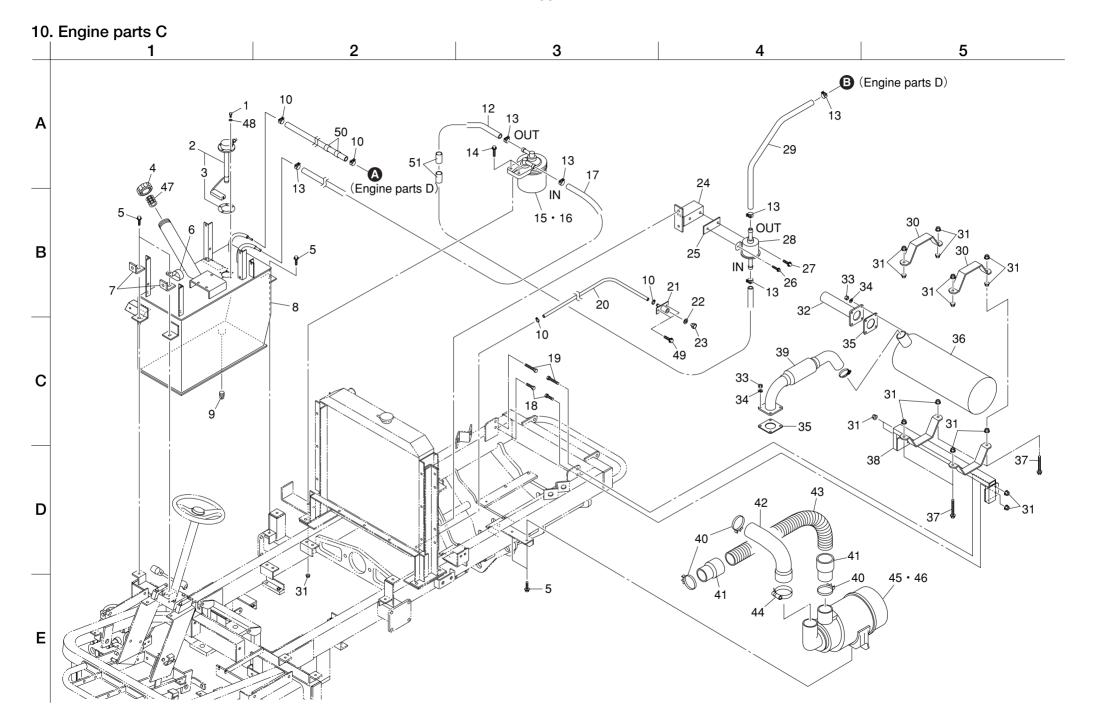


| Cat No. | Code No.       | Part Name                       | Qty | Remark |
|---------|----------------|---------------------------------|-----|--------|
| 9-1     | PF54611-4112-1 | starter switch cap              | 1   |        |
| 9-2     | PF15248-6359-2 | starter switch Ass'y            | 1   |        |
| 9-3     | K365300010     | fuel gauge 52BG2                | 1   |        |
| 9-4     | PF19488-8303-2 | water temperature gauge         | 1   |        |
| 9-5     | PF17492-8301-2 | hour meter Ass'y (with RPM, HR) | 1   |        |
| 9-6     | K0042050122    | 5+ round head small screw 12    | 2   |        |
| 9-7     | K5000050002    | 5 washer                        | 6   |        |
| 9-8     | K3641000040    | pilot lamp                      | 1   |        |
| 9-9     | K0200050002    | 5S washer                       | 12  |        |
| 9-10    | K0100050002    | 5 nut                           | 12  |        |
| 9-11    | K3661000050    | see-saw switch                  | 4   |        |
| 9-12    | K0062080122    | 8 button bolt with hex. hole 12 | 1   |        |
| 9-13    | K0021080202    | 8 bolt with flange 20           | 7   |        |
| 9-14    | LM2700-3901Z0  | instrument mount plate COMP     | 1   |        |
| 9-15    | LM2700-0957Z0  | operation label                 | 1   |        |
| 9-16    | LM2700-0937ZD  | instrument mount frame          | 1   |        |
| 9-17    | K370000010     | buzzer type EBM-12              | 1   |        |
| 9-18    | K3681000080    | power relay MR5A602A1K          | 1   |        |
| 9-19    | K0151060002    | 6 nut with flange               | 5   |        |
| 9-20    | K3681000070    | power relay MR5A411A1K          | 2   |        |
| 9-21    | LM2700-0954ZD  | 3 angle with tap 2525           | 1   |        |
| 9-22    | K0000050252    | 5 bolt 25                       | 1   |        |
| 9-23    | K0000060202    | 6 bolt 20                       | 4   |        |
| 9-24    | K0042050082    | 5+ round head small screw 8     | 1   |        |
| 9-25    | K1301000150    | throttle lever grip             | 1   |        |
| 9-26    | LM2700-0560Z2  | throttle lever                  | 1   |        |
| 9-27    | K5011010222    | 1SPCC metal washer 1022         | 1   |        |
| 9-28    | K0001100302    | 10 bolt 30P1.25                 | 1   |        |
| 9-29    | K0210100001    | 10 conical disk spring L        | 3   |        |
| 9-30    | K0103100002    | 10 nut P1.25                    | 1   |        |
| 9-31    | K6030050152    | 5 flat-head pin 15              | 1   |        |
| 9-32    | K0300020162    | 2 split pin 16                  | 2   |        |
| 9-33    | LM2700-0535Z0  | throttle wire 1610              | 1   |        |
| 9-34    | PF1K574-6022-1 | relay COMP (12VA, D)            | 1   |        |
| 9-35    | PF15694-6599-2 | timer (glow lamp)               | 1   |        |

| Cat No. | Code No.      | Part Name                  | Qty | Remark |
|---------|---------------|----------------------------|-----|--------|
| 9-36    | K0000080402   | 8 bolt 40                  | 1   |        |
| 9-37    | K0100080002   | 8 nut                      | 1   |        |
| 9-38    | K370000020    | buzzer U-WBS12             | 1   |        |
| 9-39    | K3662000030   | auto-return switch ET1115G | 1   |        |
| 9-40    | LM2700-0552ZD | switch box                 | 1   |        |
| 9-41    | K0151080002   | 8 nut with flange          | 4   |        |
| 9-42    | K4203001420   | differential lock mark     | 1   |        |
| 9-43    | K0073000052   | U bolt M8×40A              | 1   |        |
| 9-44    | K3671000150   | safety switch V17680A      | 1   |        |
| 9-45    | LM2700-0533Z0 | battery (-) wire 530       | 1   |        |
| 9-46    | K0021080152   | 8 bolt with flange 15      | 3   |        |
| 9-47    | LM2700-0534Z0 | ground wire 300            | 1   |        |
| 9-48    | K0002120202   | 12 bolt 20P1.25            | 1   |        |
| 9-49    | K0200120002   | 12S washer                 | 1   |        |
| 9-50    | K5000120002   | 12 washer                  | 1   |        |
| 9-51    | LM2700-0532Z0 | battery (+) wire 520       | 1   |        |
| 9-52    | K0140060002   | 6 wing nut                 | 2   |        |
| 9-53    | GM2800-0604ZD | battery support            | 1   |        |
| 9-54    | LM2700-0546ZD | battery support rod        | 2   |        |
| 9-55    | K360000180    | battery FX105D31R          | 1   |        |
| 9-56    | K0300016102   | 1.6 split pin 10           | 2   |        |
| 9-57    | K5000060002   | 6 washer                   | 5   |        |
| 9-58    | LM2700-0545ZD | battery case               | 1   |        |
| 9-59    | K0021060152   | 6 bolt with flange 15      | 2   |        |
| 9-60    | K3630000090   | mini-fuse block 10P-A      | 1   |        |
| 9-61    | K0021060102   | 6 bolt with flange 10      | 2   |        |
| 9-62    | K3681000060   | relay CA1aF-12V-N-5        | 1   |        |
| 9-63    | K3620000720   | fusible link               | 1   |        |
| 9-64    | LM2700-0551ZD | box bracket                | 1   |        |
| 9-65    | GM2800-0516ZD | relay box                  | 1   |        |
| 9-66    | K0900300160   | grommet with film C305G16A | 2   |        |
| 9-67    | K3680000030   | terminal relay G6B-4CB     | 2   |        |
| 9-68    | GM2800-0517Z0 | 1 rubber packing 134189    | 1   |        |
| 9-69    | GM2800-0518Z0 | 1.5 acrylic board 134189   | 1   |        |
| 9-70    | GM2800-0519ZD | box cover                  | 1   |        |

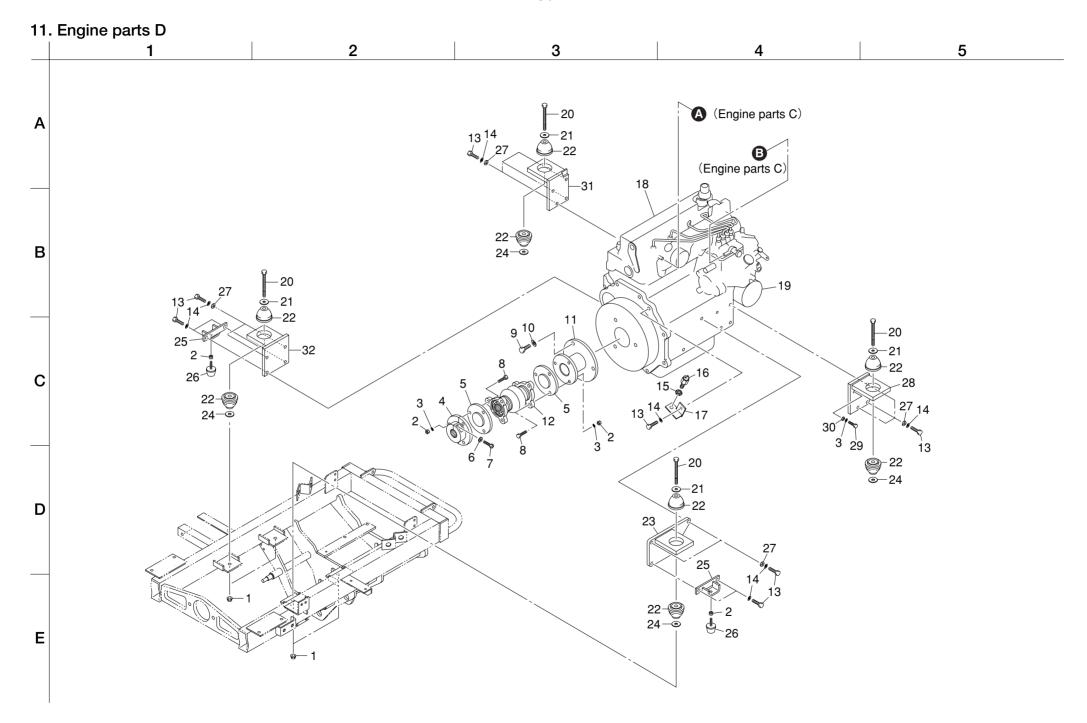


| Cat No. | Code No.      | Part Name         | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
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| 9-71    | LM2700-0573Z0 | box cover label   | 1   |        |         |          |           |     |        |
|         | LM2700-0565Z0 | relay wire C      | 1   |        |         |          |           |     |        |
|         | LM2700-0566Z0 | relay wire A      | 1   |        |         |          |           |     |        |
|         | LM2700-0567Z0 | relay wire B      | 1   |        |         |          |           |     |        |
|         | LM2700-0556Z0 | harness           | 1   |        |         |          |           |     |        |
|         | LM2700-1901Z0 | relay wire D      | 1   |        |         |          |           |     |        |
|         | K3681000010   | relay CA1-DC12V-N | 1   |        |         |          |           |     |        |
|         | K0100060002   | 6 nut             | 2   |        |         |          |           |     |        |
|         | K0000060452   | 6 bolt 45         | 1   |        |         |          |           |     |        |
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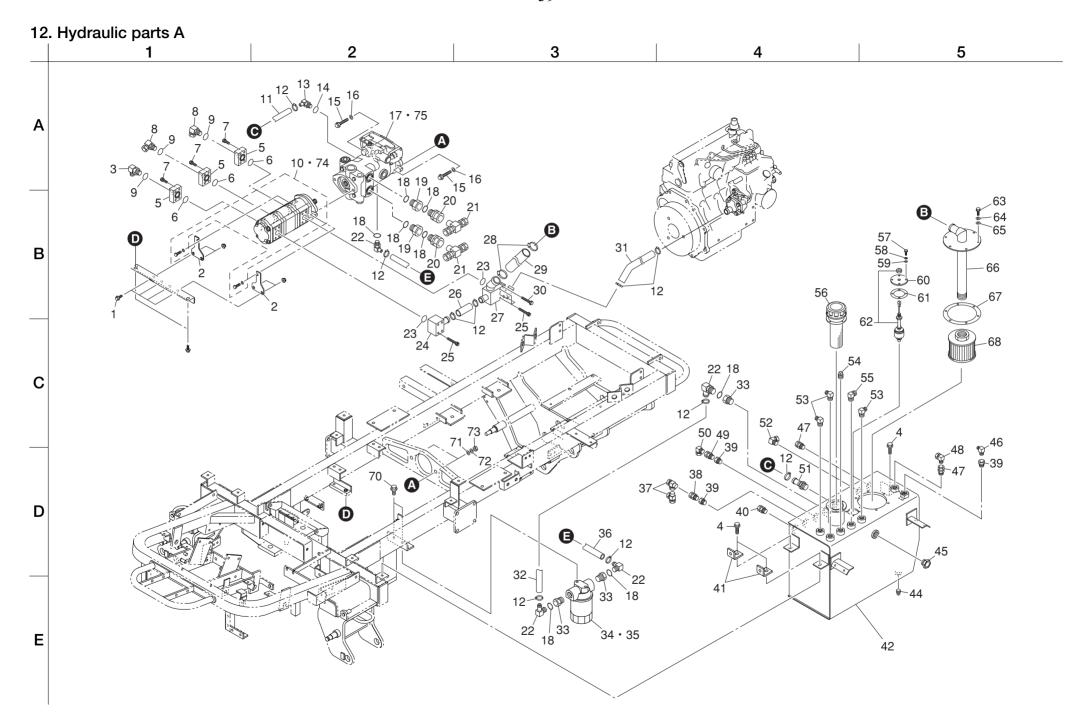


| Cat No. | Code No.        | Part Name                           | Qty | Remark |
|---------|-----------------|-------------------------------------|-----|--------|
| 10-1    | K0000050152     | 5 bolt 15                           | 5   |        |
| 10-2    | K2721000090     | tank unit 180×195                   | 1   |        |
| 10-3    | K2721000020     | packing                             | 1   |        |
| 10-4    | K1410000070-Y   | filler cap Ass'y                    | 1   |        |
| 10-5    | K0021080152     | 8 bolt with flange 15               | 5   |        |
| 10-6    | K4270050080     | 50 harness clip M8                  | 1   |        |
| 10-7    | LM2700-0950ZD   | side cover mount plate              | 2   |        |
| 10-8    | LM2700-0701ZD-Y | fuel tank                           | 1   |        |
| 10-9    | K1421060002-Y   | tapered plug with square head PT3/8 | 1   |        |
| 10-10   | K4260000150     | hose clamp 12                       | 4   |        |
| 10-11   | K3182014000     | fuel hose FUEL4×1B1400              | 1   |        |
| 10-12   | K3180011000     | fuel hose FUEL8×1B1100              | 1   |        |
| 10-13   | K4260000172     | hose clamp KS-11-19                 | 6   |        |
| 10-14   | K0021080252     | 8 bolt with flange 25               | 2   |        |
| 10-15   | PF15224-4301-3  | fuel filter Ass'y                   | 1   |        |
| 10-16   | PF15221-4317-0  | filter element                      | 1   |        |
| 10-17   | K3180007000     | fuel hose FUEL8×1B700               | 1   |        |
| 10-18   | K0000080202     | 8 bolt 20                           | 2   |        |
| 10-19   | K0000080352     | 8 bolt 35                           | 2   |        |
| 10-20   | LM2700-0558Z0   | radiator drain hose                 | 1   |        |
| 10-21   | LM2700-0561Z2   | drain joint                         | 1   |        |
| 10-22   | LM2700-0562Z0   | packing                             | 1   |        |
| 10-23   | LM2700-0563Z0   | drain plug                          | 1   |        |
| 10-24   | LM2700-0548ZD   | pump bracket                        | 1   |        |
| 10-25   | PF66591-5456-3  | anti-vibration rubber               | 1   |        |
| 10-26   | K0021060202     | 6 bolt with flange 20               | 1   |        |
| 10-27   | K0021080202     | 8 bolt with flange 20               | 1   |        |
| 10-28   | PFR1401-5135-1  | fuel pump Ass'y                     | 1   |        |
| 10-29   | K3180006000     | fuel hose FUEL8×1B600               | 1   |        |
| 10-30   | LM2700-0524ZU   | muffler mount plate                 | 2   |        |
| 10-31   | K0151080002     | 8 nut with flange                   | 18  |        |
| 10-32   | LM2700-0527ZU   | tail pipe                           | 1   |        |
| 10-33   | K0100080002     | 8 nut                               | 8   |        |
| 10-34   | K0200080002     | 8S washer                           | 8   |        |
| 10-35   | PF17326-1223-1  | exhaust pipe packing                | 2   |        |

| Cat No. | Code No.       | Part Name                       | Qty | Remark |
|---------|----------------|---------------------------------|-----|--------|
| 10-36   | PF17234-1211-4 | muffler                         | 1   |        |
| 10-37   | K0021080502    | 8 bolt with flange 50           | 4   |        |
| 10-38   | LM2700-0523ZU  | muffler stay                    | 1   |        |
| 10-39   | LM2700-0525ZU  | exhaust pipe                    | 1   |        |
| 10-40   | K4261036000    | 4669 clamp                      | 3   |        |
| 10-41   | K3773000650    | 65 banner A cuff                | 2   |        |
| 10-42   | LM2700-0555Z0  | air cleaner hose                | 1   |        |
| 10-43   | K3170105500    | 65 banner A hose 550            | 1   |        |
| 10-44   | K4261044000    | parker clamp 29-76              | 1   |        |
| 10-45   | PF1G369-1101-1 | air cleaner Ass'y               | 1   |        |
| 10-46   | PFR1401-4227-0 | outer element                   | 1   |        |
| 10-47   | K3420000030    | filter net                      | 1   |        |
| 10-48   | K0922050000    | seal washer 5WF                 | 5   |        |
| 10-49   | K0021060152    | 6 bolt with flange 15           | 2   |        |
| 10-50   | K3187000500    | $\phi$ 15 tetoron braid hose 50 | 2   |        |
| 10-51   | K3186000500    | $\phi$ 10 tetoron braid hose 50 | 2   |        |
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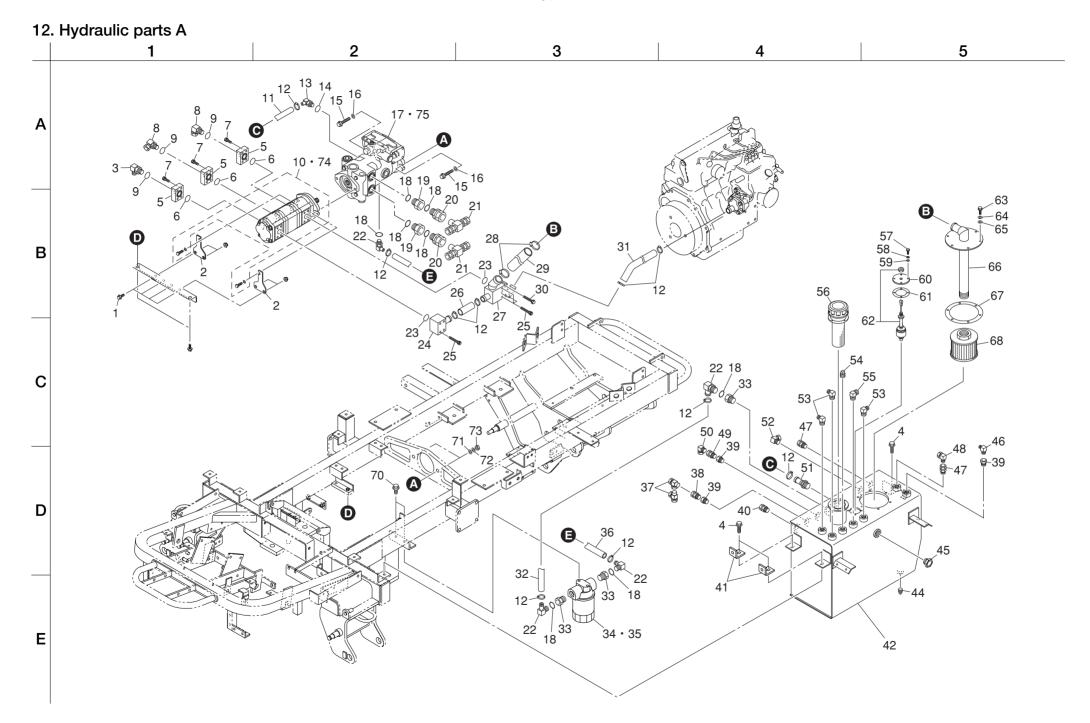


| Cat No. | Code No.       | Part Name                                   | Qty | Remark         | Cat No. | Code No. | Part Name | Qty | Remark |
|---------|----------------|---|-----|----------------|---------|----------|-----------|-----|--------|
| 11-1    | K0151120002    | 12 nut with flange                          | 4   |                |         |          |           |     |        |
| 11-2    | K0100100002    | 10 nut                                      | 8   |                |         |          |           |     |        |
| 11-3    | K0200100002    | 10S washer                                  | 7   |                |         |          |           |     |        |
| 11-4    | K6204000572    | pump side drive disk                        | 1   |                |         |          |           |     |        |
| 11-5    | K6204000562    | spacer 118                                  | 2   |                |         |          |           |     |        |
| 11-6    | K0215100002    | 10 metal washer with conical disk washer 2H | 1   |                |         |          |           |     |        |
| 11-7    | K0024100401    | 10 bolt with hex. hole 40                   | 1   |                |         |          |           |     |        |
| 11-8    | K0013100352    | 10 heat-treated bolt 35                     | 6   |                |         |          |           |     |        |
| 11-9    | K0010140302    | 14 heat-treated bolt 30                     | 3   |                |         |          |           |     |        |
| 11-10   | K0200140002    | 14S washer                                  | 3   |                |         |          |           |     |        |
| 11-11   | LM2700-0501Z2  | flywheel adaptor                            | 1   |                |         |          |           |     |        |
| 11-12   | K1620000120    | joint BC75ACP201                            | 1   |                |         |          |           |     |        |
| 11-13   | K0012120352    | 12 heat-treated bolt 35P1.25                | 16  |                |         |          |           |     |        |
| 11-14   | K0200120002    | 12S washer                                  | 16  |                |         |          |           |     |        |
| 11-15   | K0160000142    | 18 special nut P1.5                         | 1   |                |         |          |           |     |        |
| 11-16   | PF56713-4293-1 | electro-magnetic pickup                     | 1   |                |         |          |           |     |        |
| 11-17   | LM2700-0531ZD  | pickup mount                                | 1   |                |         |          |           |     |        |
| 11-18   | LM2700-0590Z0  | V2203-EB-LMKY-1                             | 1   |                |         |          |           |     |        |
| 11-19   | PF16414-3243-0 | filter (oil, cartridge)                     | 1   |                |         |          |           |     |        |
| 11-20   | K0013121102    | 12 heat-treated bolt 110                    | 4   |                |         |          |           |     |        |
| 11-21   | K5076012402    | 6SPHC metal washer 1240                     | 4   |                |         |          |           |     |        |
| 11-22   | K4042000100    | engine mount                                | 8   |                |         |          |           |     |        |
| 11-23   | LM2700-0504ZD  | engine bracket C                            | 1   |                |         |          |           |     |        |
| 11-24   | K5011613402    | 1.6SPCC metal washer 1340                   | 4   | for adjustment |         |          |           |     |        |
| 11-25   | LM2700-0564ZD  | rubber stopper mount                        | 2   |                |         |          |           |     |        |
| 11-26   | K4049050000    | rubber stopper KI-50                        | 2   |                |         |          |           |     |        |
| 11-27   | K5000120002    | 12 washer                                   | 11  |                |         |          |           |     |        |
| 11-28   | LM2700-0505ZD  | engine bracket D                            | 1   |                |         |          |           |     |        |
| 11-29   | K0011100302    | 10 heat-treated bolt 30P1.25                | 1   |                |         |          |           |     |        |
| 11-30   | K5000100002    | 10 washer                                   | 1   |                |         |          |           |     |        |
| 11-31   | LM2700-0503ZD  | engine bracket B                            | 1   |                |         |          |           |     |        |
| 11-32   | LM2700-0502ZD  | engine bracket A                            | 1   |                |         |          |           |     |        |
|         |                |   |     |                |         |          |           |     |        |
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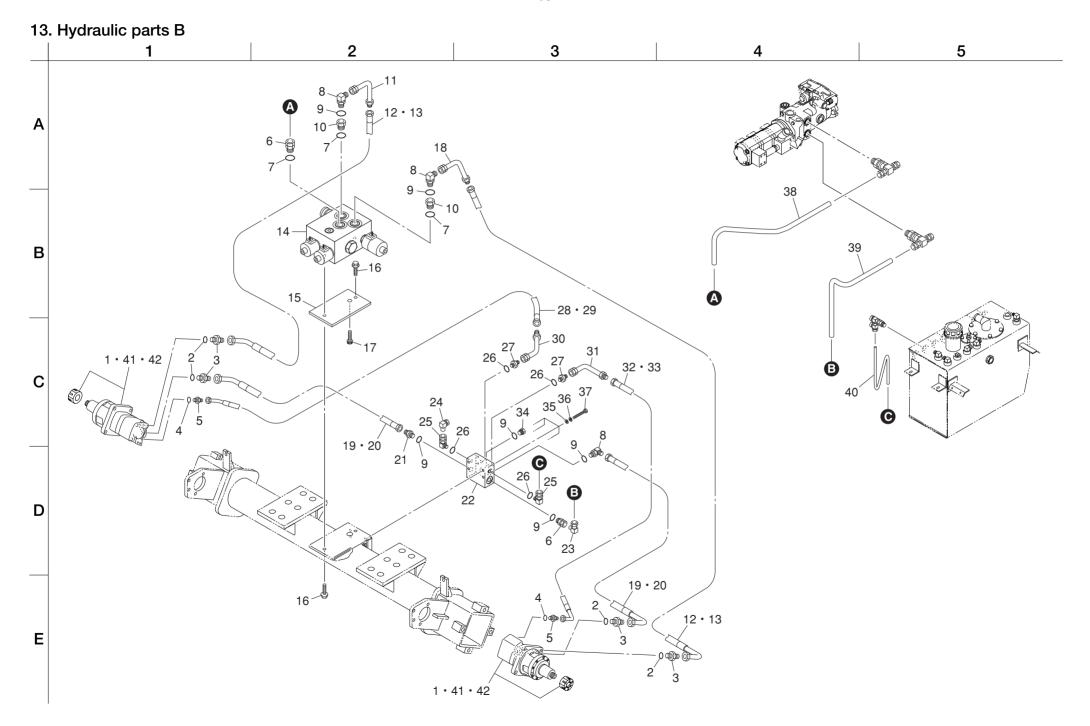


| Cat No. | Code No.        | Part Name                               | Qty | Remark |
|---------|-----------------|---|-----|--------|
| 12-1    | K0021080202     | 8 bolt with flange 20                   | 4   |        |
| 12-2    | LM2700-0803ZD   | pump support plate                      | 2   |        |
| 12-3    | K3008000352-Y   | 90 different diameter elbow PF3/8 PF1/2 | 1   |        |
| 12-4    | K0021080152     | 8 bolt with flange 15                   | 3   |        |
| 12-5    | LM2700-0830Z2-Y | discharge flange                        | 3   |        |
| 12-6    | K0881028000     | O-ring P28B                             | 3   |        |
| 12-7    | K0024080251     | 8 bolt with hex. hole 25                | 12  |        |
| 12-8    | K3026412081-Y   | elbow nipple KL012-040E                 | 2   |        |
| 12-9    | K0881018000     | O-ring P18B                             | 3   |        |
| 12-10   | K3252000040     | gear pump PBBB222                       | 1   |        |
| 12-11   | LM2700-0870Z0   | 25suction hose 630                      | 1   |        |
| 12-12   | K4260000190     | jubilee band 1                          | 10  |        |
| 12-13   | K3008000302-Y   | adjustable elbow FPD21941               | 1   |        |
| 12-14   | K0887009120     | O-ring AS568-912                        | 1   |        |
| 12-15   | K0013120501     | 12 heat-treated bolt 50                 | 2   |        |
| 12-16   | K5073212302     | 3.2SPHC metal washer 1230               | 2   |        |
| 12-17   | K3244000030     | piston pump 72400                       | 1   |        |
| 12-18   | K0887009160     | O-ring AS568-916                        | 8   |        |
| 12-19   | K3008000632-Y   | O-ring connector 4043-1 5/16-O          | 2   |        |
| 12-20   | K3008000622-Y   | O-ring connector 1202-25-1 5/16         | 2   |        |
| 12-21   | K3027025001-Y   | tee KTB25-000E                          | 2   |        |
| 12-22   | K3008000312-Y   | adjustable elbow FPD21939               | 4   |        |
| 12-23   | K0883025000     | 1AG-25 O-ring                           | 2   |        |
| 12-24   | LM2700-0805Z2-Y | suction flange                          | 1   |        |
| 12-25   | K0024080601     | 8 bolt with hex. hole 60                | 7   |        |
| 12-26   | LM2700-0867Z0   | bypass hose                             | 1   |        |
| 12-27   | LM2700-0804Z2-Y | common suction flange                   | 1   |        |
| 12-28   | K4260000200     | jubilee band 2A                         | 2   |        |
| 12-29   | LM2700-0872Z0   | 38 suction hose 390                     | 1   |        |
| 12-30   | K0061080602     | 8 bolt with flange 60                   | 1   |        |
| 12-31   | LM2700-0871Z0   | 25 suction hose 780                     | 1   |        |
| 12-32   | LM2700-0868Z0   | 25 suction hose 210                     | 1   |        |
| 12-33   | K3008000642-Y   | O-ring connector 4400-25-16             | 3   |        |
| 12-34   | K3410000020     | cartridge filter CF-80-10U              | 1   |        |
| 12-35   | K3410000030     | filter for the substitute F-913-1       | 1   |        |

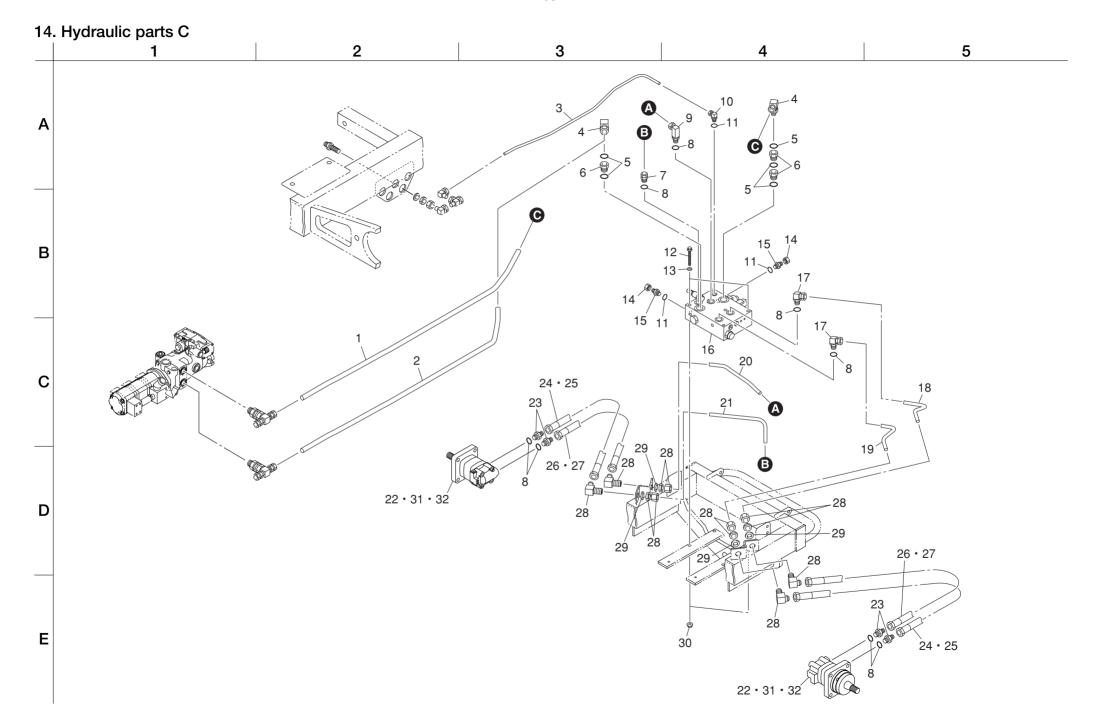
| Cat No. | Code No.        | Part Name                            | Qty | Remark |
|---------|-----------------|--------------------------------------|-----|--------|
| 12-36   | LM2700-0869Z0   | 25 suction hose 140                  | 1   |        |
| 12-37   | K3027210001-Y   | tee KTC10-000E                       | 2   |        |
| 12-38   | K3026610061-Y   | connector KCT10-030E                 | 1   |        |
| 12-39   | K3020080601-Y   | bushing BUT1/2×3/8                   | 3   |        |
| 12-40   | K3026612081-Y   | connector KCT12-040E                 | 1   |        |
| 12-41   | LM2700-0950ZD   | side cover mount plate               | 2   |        |
| 12-42   | LM2700-0801ZD-Y | hydraulic tank                       | 1   |        |
| 12-43   |                 |                                      |     |        |
| 12-44   | K1421060002-Y   | tapered plug with square head PT3/   | 1   |        |
| 12-45   | K1400000044-Y   | PF3/4 oil quantity plug type M       | 1   |        |
| 12-46   | K3006000012-Y   | different diameter elbow PT3/8 PF1/4 | 1   |        |
| 12-47   | K3026610081-Y   | connector KCT10-040E                 | 2   |        |
| 12-48   | K3027110001-Y   | elbow KLC10-000E                     | 1   |        |
| 12-49   | K3026612061-Y   | connector KCT12-030E                 | 1   |        |
| 12-50   | K3027112001-Y   | elbow KLC12-000E                     | 1   |        |
| 12-51   | K3009000132-Y   | special adaptor MO-JS-25             | 1   |        |
| 12-52   | K3028012081-Y   | elbow KLN12-040E                     | 1   |        |
| 12-53   | K3006000022-Y   | different diameter elbow PT1/2 PF3/8 | 3   |        |
| 12-54   | K1421080002-Y   | tapered plug with square head PT1/2  | 1   |        |
| 12-55   | K3001120002-Y   | 90 elbow 1033-12                     | 1   |        |
| 12-56   | K340000030      | refueling hole breather FAB-50       | 1   |        |
| 12-57   | K0000060202     | 6 bolt 20                            | 4   |        |
| 12-58   | K0200060002     | 6S washer                            | 4   |        |
| 12-59   | K5000060002     | 6 washer                             | 4   |        |
| 12-60   | LM5260809Z2-Y   | oil level sensor mount plate         | 1   |        |
| 12-61   | LM5260808Z0     | packing                              | 1   |        |
| 12-62   | K3720000130     | level switch                         | 1   |        |
| 12-63   | K0000080202     | 8 bolt 20                            | 6   |        |
| 12-64   | K0200080002     | 8S washer                            | 6   |        |
| 12-65   | K5000080002     | 8 washer                             | 6   |        |
| 12-66   | LM2700-0802Z2-Y | suction hose attachment              | 1   |        |
| 12-67   | LM535E-0434Z0   | suction port packing                 | 1   |        |
| 12-68   | K3413000040     | suction filter SFT-10-150W           | 1   |        |
| 12-69   | K0151080002     | 8 nut with flange                    | 4   |        |
| 12-70   | K0021100202     | 10 bolt with flange 20               | 2   |        |



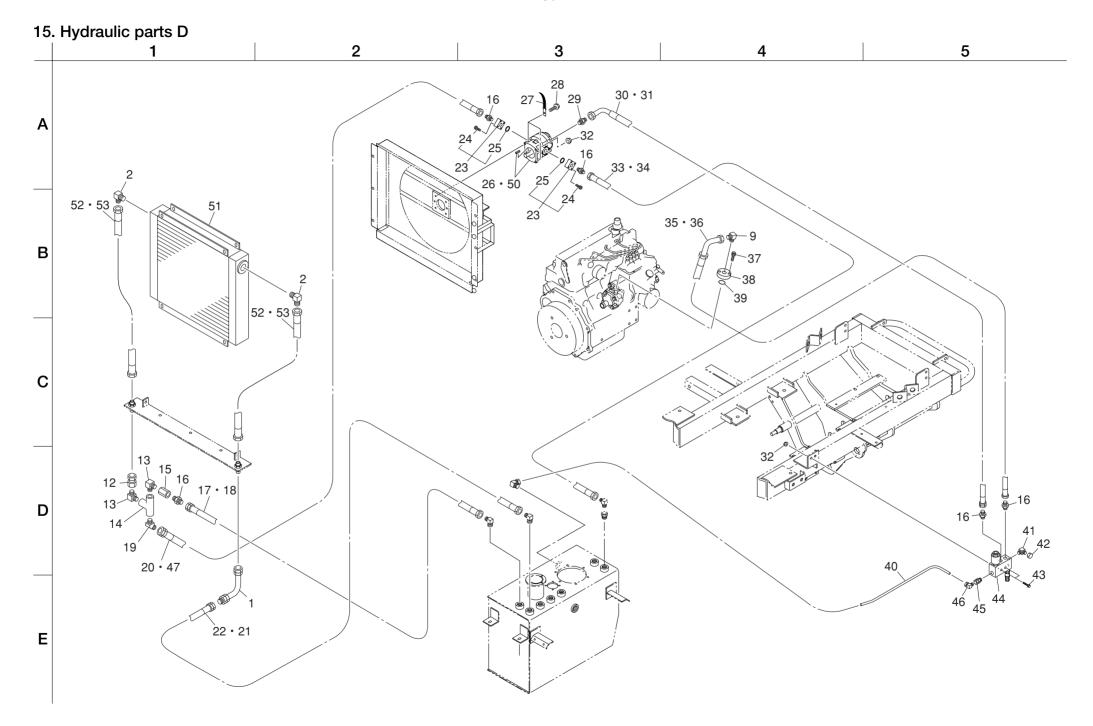
| Cat No. | Code No.          | Part Name                  | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
|---------|-------------------|----------------------------|-----|--------|---------|----------|-----------|-----|--------|
| 12-71   | K5000120002       | 12 washer                  | 2   |        |         |          |           |     |        |
|         | K0200120002       | 12S washer                 | 2   |        |         |          |           |     |        |
|         | K0100120002       | 12 nut                     | 2   |        |         |          |           |     |        |
|         | Y 6 1 - 2 4 6 0 3 | repair kit                 | 1   |        |         |          |           |     |        |
| 12-75   | Y72400-908        | piston pump 72400 seal kit | 1   |        |         |          |           |     |        |
|         |                   |                            |     |        |         |          |           |     |        |
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| Cat No. | Code No.        | Part Name                           | Qty | Remark | Cat No. | Code No.        | Part Name                         | Qty | Remark |
|---------|-----------------|-------------------------------------|-----|--------|---------|-----------------|-----------------------------------|-----|--------|
|         |                 |                                     |     |        |         | W               |                                   |     |        |
| 13-1    | K3291000180     | wheel motor 4-330BBAS-F9183         | 2   |        | 13-36   | K0200080002     | 8S washer                         | 4   |        |
| 13-2    | K0887009120     | O-ring AS568-912                    | 4   |        | 13-37   | K0003080752     | 8 bolt 75                         | 4   |        |
| 13-3    | K3008000382-Y   | O-ring connector 1                  | 4   |        | 13-38   | LM2700-0824Z2-Y | piston pump pipe C 1              | 1 1 |        |
| 13-4    | K0887009040     | O-ring AS568-904                    | 2   |        | 13-39   | LM2700-0825Z2-Y | piston pump pipe D 1              | 1 1 |        |
| 13-5    | K3008000342-Y   | O-ring connector 1096-6             | 2   |        | 13-40   | LM2700-0846Z2-Y | front wheel manifold drain pipe 1 | 1   |        |
| 13-6    | K3026325121-Y   | connector KCO25-060E                | 2   |        | 13-41   | Y61234          | seal kit 2 (rear side) for wheel  | 2   |        |
| 13-7    | K0881024000     | O-ring P24B                         | 3   |        |         |                 | motor 4-330BBAS                   |     |        |
| 13-8    | K3008000042-Y   | 90 adjuster elbow 1086-12           | 3   |        | 13-42   | YAE0235A        | seal kit 2 (shaft side) for wheel | 2   |        |
| 13-9    | K0881018000     | O-ring P18B                         | 6   |        |         |                 | motor 4-330BBAS                   |     |        |
| 13-10   | K3029000312-Y   | special bushing PF1/2 PF3/4         | 2   |        |         |                 |                                   |     |        |
| 13-11   | K3025069082-Y   | pipe adaptor 069-08                 | 1   |        |         |                 |                                   |     |        |
| 13-12   | K3106430710     | WP245-12 hose 3-700                 | 2   |        |         |                 |                                   |     |        |
| 13-13   | K3191006100     | SP-15 coil tube 610                 | 2   |        |         |                 |                                   |     |        |
| 13-14   | K3313000300     | solenoid valve V4200 COMP           | 1   |        |         |                 |                                   |     |        |
| 13-15   | LM2700-0831ZD   | differential lock valve mount plate | 1   |        |         |                 |                                   |     |        |
| 13-16   | K0021100302     | 10 bolt with flange 30              | 2   |        |         |                 |                                   |     |        |
| 13-17   | K0024100151     | 10 bolt with hex. hole 15           | 1   |        |         |                 |                                   |     |        |
| 13-18   | K302506L082-Y   | pipe adaptor 06L-08                 | 1   |        |         |                 |                                   |     |        |
| 13-19   | K3106430610     | WP245-12 hose 3-610                 | 2   |        |         |                 |                                   |     |        |
| 13-20   | K3191005100     | SP-15 coil tube 510                 | 2   |        |         |                 |                                   |     |        |
| 13-21   | K3009000092-Y   | special adaptor PF1/2 PF1/2         | 1   |        |         |                 |                                   |     |        |
| 13-22   | LM2700-0821Z2-Y | manifold                            | 1   |        |         |                 |                                   |     |        |
| 13-23   | K3027125001-Y   | elbow KLC25-000E                    | 1   |        |         |                 |                                   |     |        |
| 13-24   | K3027110001-Y   | elbow KLC10-000E                    | 1   |        |         |                 |                                   |     |        |
| 13-25   | K3026410041-Y   | elbow nipple KLO10-020E             | 2   |        |         |                 |                                   |     |        |
| 13-26   | K0881011000     | O-ring P11B                         | 4   |        |         |                 |                                   |     |        |
| 13-27   | K3008000232-Y   | O-ring connector PF1/4 PF1/4        | 2   |        |         |                 |                                   |     |        |
| 13-28   | K3101220740     | WP70-6 hose 2-740                   | 1   |        |         |                 |                                   |     |        |
| 13-29   | K3190006400     | SP-12 coil tube 640                 | 1   |        |         |                 |                                   |     |        |
| 13-30   | K3025064042-Y   | pipe adaptor 064-04                 | 1   |        |         |                 |                                   |     |        |
| 13-31   | K3025069042-Y   | pipe adaptor 069-04                 | 1   |        |         |                 |                                   |     |        |
| 13-32   | K3101220690     | WP70-6 hose 2-690                   | 1   |        |         |                 |                                   |     |        |
| 13-33   | K3190005900     | SP-12 coil tube 590                 | 1   |        |         |                 |                                   |     |        |
| 13-34   | K1420000232-Y   | O-ring plug 215-PF1/2               | 1   |        |         |                 |                                   |     |        |
| 13-35   | K5000080002     | 8 washer                            | 4   |        |         |                 |                                   |     |        |

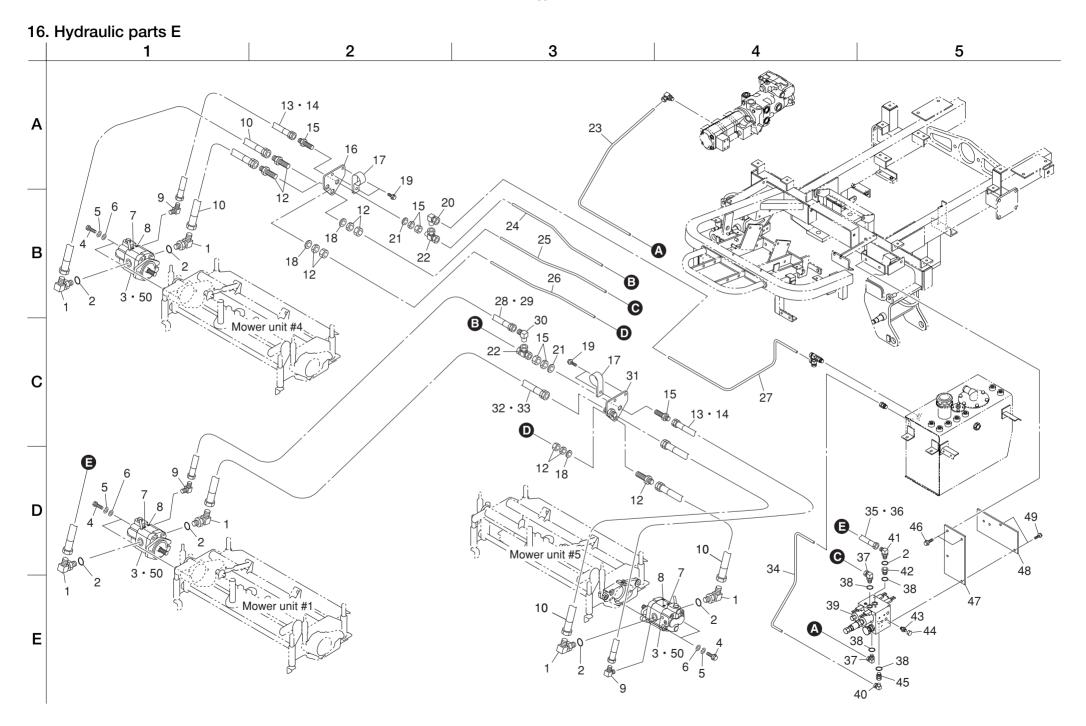


| Cat No. | Code No.        | Part Name                                   | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
|---------|-----------------|---|-----|--------|---------|----------|-----------|-----|--------|
| 14-1    | LM2700-0822Z2-Y | piston pump pipe A                          | 1   |        |         |          |           |     |        |
| 14-2    | LM2700-0823Z2-Y | piston pump pipe B                          | 1   |        |         |          |           |     |        |
| 14-3    | LM2700-0836Z2-Y | V5260 drain pipe                            | 1   |        |         |          |           |     |        |
| 14-4    | K3026425121-Y   | elbow nipple KLO25-060E                     | 2   |        |         |          |           |     |        |
| 14-5    | K0881024000     | O-ring P24B                                 | 5   |        |         |          |           |     |        |
| 14-6    | K3008000662-Y   | O-ring connector 1110-19-19                 | 3   |        |         |          |           |     |        |
| 14-7    | K3026316081-Y   | connector KC016-040E                        | 1   |        |         |          |           |     |        |
| 14-8    | K0881018000     | O-ring P18B                                 | 8   |        |         |          |           |     |        |
| 14-9    | K3028416081-Y   | long elbow nipple KLG16-040E                | 1   |        |         |          |           |     |        |
| 14-10   | K3026410041-Y   | elbow nipple KLO10-020E                     | 1   |        |         |          |           |     |        |
| 14-11   | K0881011000     | O-ring P11B                                 | 3   |        |         |          |           |     |        |
| 14-12   | K0003101002     | 10 bolt 100                                 | 2   |        |         |          |           |     |        |
| 14-13   | K5000100002     | 10 washer                                   | 2   |        |         |          |           |     |        |
| 14-14   | K3008000482-Y   | screw cap female PF1/4                      | 2   |        |         |          |           |     |        |
| 14-15   | K3008000232-Y   | O-ring connector PF1/4 PF1/4                | 2   |        |         |          |           |     |        |
| 14-16   | K3313000290     | solenoid valve V4205COMP                    | 1   |        |         |          |           |     |        |
| 14-17   | K3026416081-Y   | elbow nipple KLO16-040E                     | 2   |        |         |          |           |     |        |
| 14-18   | LM2700-0826Z2-Y | rear wheel pipe A                           | 1   |        |         |          |           |     |        |
| 14-19   | LM2700-0827Z2-Y | rear wheel pipe B                           | 1   |        |         |          |           |     |        |
| 14-20   | LM2700-0829Z2-Y | rear wheel pipe D                           | 1   |        |         |          |           |     |        |
| 14-21   | LM2700-0828Z2-Y | rear wheel pipe C                           | 1   |        |         |          |           |     |        |
| 14-22   | K3291000130     | orbit motor 2-160BS4S-E341                  | 2   |        |         |          |           |     |        |
| 14-23   | K3009000092-Y   | special adaptor PF1/2 PF1/2                 | 4   |        |         |          |           |     |        |
| 14-24   | K3106410850     | WP245-12 hose 1-850                         | 2   |        |         |          |           |     |        |
| 14-25   | K3191007500     | SP-15 coil tube 750                         | 2   |        |         |          |           |     |        |
| 14-26   | K3106410800     | WP245-12 hose 1-800                         | 2   |        |         |          |           |     |        |
| 14-27   | K3191007000     | SP-15 coil tube 700                         | 2   |        |         |          |           |     |        |
| 14-28   | K3028716081-Y   | bulkhead union elbow KLH16-040E             | 4   |        |         |          |           |     |        |
| 14-29   | K0214240001     | 24 metal washer with conical disk spring 2L | 4   |        |         |          |           |     |        |
| 14-30   | K0151100002     | 10 nut with flange                          | 2   |        |         |          |           |     |        |
| 14-31   | Y61091S         | 2000 orbit motor seal kit (for shaft)       | 2   |        |         |          |           |     |        |
| 14-32   | Y61090S         | 2000 orbit motor seal kit (for rear)        | 2   |        |         |          |           |     |        |
|         |                 |   |     |        |         |          |           |     |        |
|         |                 |   |     |        |         |          |           |     |        |
|         |                 |   |     |        |         |          |           |     |        |



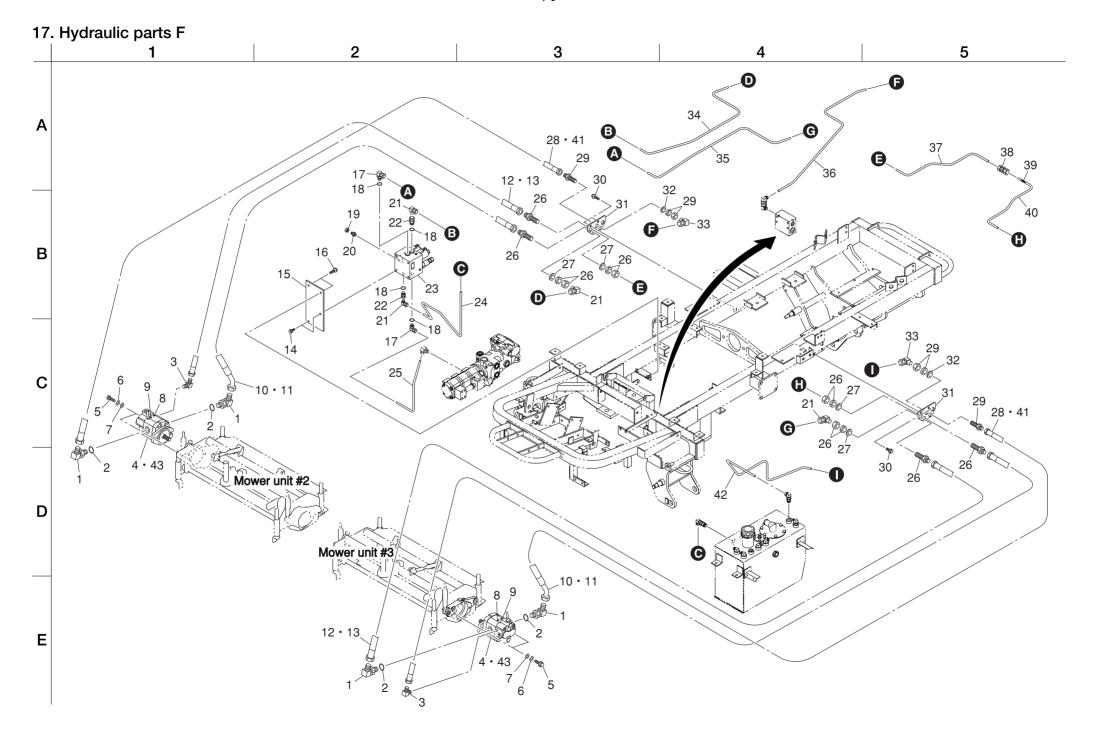
| Cat No. | Code No.      | Part Name                              | Qty | Remark |
|---------|---------------|--|-----|--------|
| 15-1    | K3025069062-Y | pipe adaptor 069-06                    | 1   |        |
| 15-2    | K3006000022-Y | different diameter elbow PT1/2PF3/8    | 2   |        |
| 15-3    |               |  |     |        |
| 15-4    |               |  |     |        |
| 15-5    |               |  |     |        |
| 15-6    |               |  |     |        |
| 15-7    |               |  |     |        |
| 15-8    |               |  |     |        |
| 15-9    | K3001090002-Y | 90 elbow 1033-9                        | 1   |        |
| 15-10   |               |  |     |        |
| 15-11   |               |  |     |        |
| 15-12   | K3008000712-Y | swivel connector 06                    | 1   |        |
| 15-13   | K3006000072-Y | same diameter elbow PT3/8              | 2   |        |
| 15-14   | K3021060002-Y | screwed type tee TEFPT3/8              | 1   |        |
| 15-15   | K3340000030   | in-line check valve 03-100             | 1   |        |
| 15-16   | K3000090002-Y | adaptor 1013-9                         | 5   |        |
| 15-17   | K3100311050   | WP35-9 hose 1-1050                     | 1   |        |
| 15-18   | K3191009500   | SP-15 coil tube 950                    | 1   |        |
| 15-19   | K3003090002-Y | 45 elbow 1035-9                        | 1   |        |
| 15-20   | K3100310700   | WP35-9 hose 1-700                      | 1   |        |
| 15-21   | K3191008000   | SP-15 coil tube 800                    | 1   |        |
| 15-22   | K3100310900   | WP35-9 hose 1-900                      | 1   |        |
| 15-23   | K3281000010   | $\phi$ 14.8 port flange type D         | 2   |        |
| 15-24   | K0024060301   | 6 bolt with hex. hole 30               | 2   |        |
| 15-25   | K0881022000   | O-ring P22B                            | 2   |        |
| 15-26   | K3281000230   | gear motor MA7AD661                    | 1   |        |
| 15-27   | K4281000020   | 8.5 harness clamp 80                   | 1   |        |
| 15-28   | K0021080202   | 8 bolt with flange 20                  | 2   |        |
| 15-29   | K3007000032-Y | different diameter adaptor PT1/8 PF1/4 | 1   |        |
| 15-30   | K3101231520   | WP70-6 hose 3-1520                     | 1   |        |
| 15-31   | K3190014200   | SP-12 coil tube 1420                   | 1   |        |
| 15-32   | K0151080002   | 8 nut with flange                      | 4   |        |
| 15-33   | K3101310550   | WP70-9 hose 1-550                      | 1   |        |
| 15-34   | K3191004500   | SP-15 coil tube 450                    | 1   |        |
| 15-35   | K3101330360   | WP70-9 hose 3-360                      | 1   |        |

| Cat No. | Code No.        | Part Name                            | Qty | Remark |
|---------|-----------------|--------------------------------------|-----|--------|
| 15-36   | K3191002600     | SP-15 coil tube 260                  | 1   |        |
| 15-37   | K0024080251     | 8 bolt with hex. hole 25             | 2   |        |
| 15-38   | LM2700-0811Z2-Y | pump flange                          | 1   |        |
| 15-39   | K0881020000     | O-ring P20B                          | 1   |        |
| 15-40   | LM2700-0851Z2-Y | V4127A tank pipe                     | 1   |        |
| 15-41   | K3006000152-Y   | different diameter elbow PT1/8 PF1/4 | 1   |        |
| 15-42   | K3008000482-Y   | screw cap female PF1/4               | 1   |        |
| 15-43   | K0021080502     | 8 bolt with flange 50                | 2   |        |
| 15-44   | K3313000250     | solenoid valve V4209                 | 1   |        |
| 15-45   | K3026612061-Y   | connector KCT12-030E                 | 1   |        |
| 15-46   | K3027112001-Y   | elbow KLC12-000E                     | 1   |        |
| 15-47   | K3191006000     | SP-15 coil tube 600                  | 1   |        |
| 15-48   |                 |                                      |     |        |
| 15-49   |                 |                                      |     |        |
| 15-50   | Y61-25070       | seal kit for MA gear motor 661       | 1   |        |
| 15-51   | LM2700-3838Z0   | oil cooler                           | 1   |        |
| 15-52   | K3100310380     | WP35-9 hose 1-380                    | 2   |        |
| 15-53   | K3191002800     | SP-15 coil tube 280                  | 2   |        |
|         |                 |                                      |     |        |
|         |                 |                                      |     |        |
|         |                 |                                      |     |        |
|         |                 |                                      |     |        |

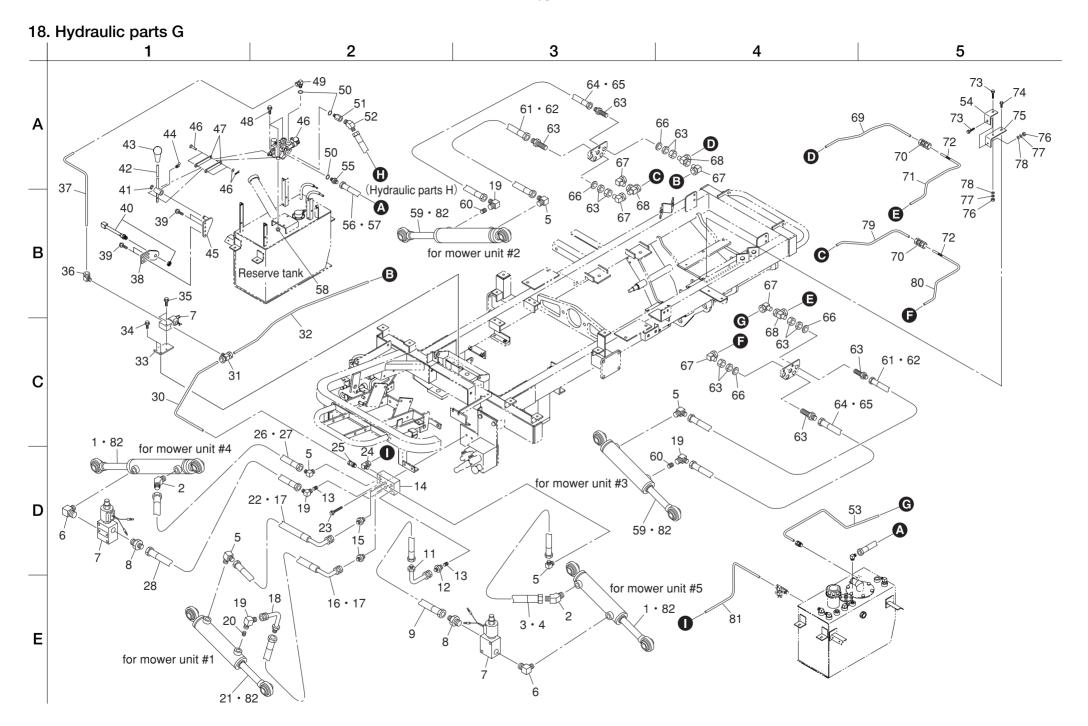


| Cat No. | Code No.        | Part Name                                   | Qty | Remark | Cat No. |
|---------|-----------------|---|-----|--------|---------|
| 16-1    | K3008000352-Y   | 90 different diameter elbow PT3/8 PF1/2     | 6   |        | 16-36   |
| 16-2    | K0881018000     | O-ring P18B                                 | 7   |        | 16-37   |
| 16-3    | K3280000230     | gear motor MB4AK379                         | 3   |        | 16-38   |
| 16-4    | K0000100302     | 10 bolt 30                                  | 6   |        | 16-39   |
| 16-5    | K0200100002     | 10S washer                                  | 6   |        | 16-40   |
| 16-6    | K5000100002     | 10 washer                                   | 6   |        | 16-41   |
| 16-7    | K4203001300     | reel rotation mark                          | 3   |        | 16-42   |
| 16-8    | K4203001310     | reel stop mark                              | 3   |        | 16-43   |
| 16-9    | K3001060002-Y   | 90 elbow 1033-6                             | 3   |        | 16-44   |
| 16-10   | LM2700-3841Z0   | WP140-9 hose 1-1400                         | 4   |        | 16-45   |
| 16-11   |                 |   |     |        | 16-46   |
| 16-12   | K3026912061-Y   | bulkhead union KUE12-030E                   | 3   |        | 16-47   |
| 16-13   | K3101211450     | WP70-6 hose 1-1450                          | 2   |        | 16-48   |
| 16-14   | K3190013500     | SP-12 coil tube 1350                        | 2   |        | 16-49   |
| 16-15   | K3026910041-Y   | bulkhead union KUE10-020E                   | 2   |        | 16-50   |
| 16-16   | LM2700-0833Z2   | mower unit #4 relay plate                   | 1   |        |         |
| 16-17   | K4270050080     | 50 harness clip M8                          | 2   |        |         |
| 16-18   | K0214180001     | 18 metal washer with conical disk spring 2L | 3   |        |         |
| 16-19   | K0021080202     | 8 bolt with flange 20                       | 4   |        |         |
| 16-20   | K3027110001-Y   | elbow KLC10-000E                            | 1   |        |         |
| 16-21   | K0214160001     | 16 metal washer with conical disk spring 2L | 2   |        |         |
| 16-22   | K3027210001-Y   | tee KTC10-000E                              | 2   |        |         |
| 16-23   | LM2700-0854Z2-Y | V5259 pump pipe                             | 1   |        |         |
| 16-24   | LM2700-0845Z2-Y | #5 motor drain pipe                         | 1   |        |         |
| 16-25   | LM2700-0857Z2-Y | #4 motor OUT pipe                           | 1   |        |         |
| 16-26   | LM2700-0859Z2-Y | #5 motor IN pipe                            | 1   |        |         |
| 16-27   | LM2700-0844Z2-Y | #4 motor drain pipe                         | 1   |        |         |
| 16-28   | K3101221860     | WP70-6 hose 2-1860                          | 1   |        |         |
| 16-29   | K3190017600     | SP-12 coil tube 1760                        | 1   |        |         |
| 16-30   | K3028510041-Y   | hose connection elbow HLD10-20E             | 1   |        |         |
| 16-31   | LM2700-0832Z2-Y | #5 mower relay fitting                      | 1   |        |         |
| 16-32   | K3103321970     | WP140-9 hose 2-1970                         | 1   |        |         |
| 16-33   | K3191018700     | SP-15 coil tube 1870                        | 1   |        |         |
| 16-34   | LM2700-0858Z2-Y | V5259 tank pipe                             | 1   |        |         |
| 16-35   | K3103311840     | WP140-9 hose 1-1840                         | 1   |        |         |

|               |   | Qty  | Remark  |
|---------------|---|--|---|
| K3191017400   | SP-15 coil tube 1740  | 1  |   |
| K3026412061-Y | elbow nipple KL012-030E   | 2  |   |
| K0881014000   | O-ringP14B  | 4  |   |
| K3313000280   | solenoid valve V5259A COMP  | 1  |   |
| K3027112001-Y | elbow KLC12-000E  | 1  |   |
| K3008000032-Y | 90 adjuster elbow1086-9   | 1  |   |
| K3029000282-Y | special bushing PF3/8 PF3/8   | 1  |   |
| K3000060002-Y | adaptor 1013-6  | 1  |   |
| K3008000482-Y | screw cap female PF1/4  | 1  |   |
| K3026312061-Y | connector KCO12-030E  | 1  |   |
| K0021100302   | 10 bolt with flange 30  | 2  |   |
| LM2700-0814ZD | valve mount plate for mower unit #1#4#5   | 1  |   |
| LM2700-0866ZD | manifold mount plate  | 1  |   |
| K0021100252   | 10 bolt with flange 25  | 2  |   |
| YCG0038A      | seal kit for MB gear motor 379  | 3  |   |
|               |   |  |   |
|               |   |  |   |
|               | K0881014000 K3313000280 K3027112001-Y K3008000032-Y K3029000282-Y K3008000482-Y K3026312061-Y K0021100302 LM2700-0814ZD LM2700-0866ZD K0021100252 | K 0 8 8 1 0 1 4 0 0 0       CoringP14B         K 3 3 1 3 0 0 0 2 8 0       solenoid valve V5259A COMP         K 3 0 2 7 1 1 2 0 0 1 - Y       elbow KLC12-000E         K 3 0 0 8 0 0 0 0 3 2 - Y       90 adjuster elbow1086-9         K 3 0 0 0 0 6 0 0 0 2 - Y       special bushing PF3/8 PF3/8         K 3 0 0 8 0 0 0 4 8 2 - Y       adaptor 1013-6         K 3 0 2 6 3 1 2 0 6 1 - Y       connector KCO12-030E         K 0 0 2 1 1 0 0 3 0 2       10 bolt with flange 30         LM2 7 0 0 - 0 8 6 6 ZD       manifold mount plate         K 0 0 2 1 1 0 0 2 5 2       10 bolt with flange 25 | K 0 8 8 1 0 1 4 0 0 0       O-ringP14B       4         K 3 3 1 3 0 0 0 2 8 0       solenoid valve V5259A COMP       1         K 3 0 2 7 1 1 2 0 0 1 - Y       elbow KLC12-000E       1         K 3 0 0 8 0 0 0 0 3 2 - Y       90 adjuster elbow1086-9       1         K 3 0 2 9 0 0 0 2 8 2 - Y       special bushing PF3/8 PF3/8       1         K 3 0 0 8 0 0 0 4 8 2 - Y       screw cap female PF1/4       1         K 3 0 2 6 3 1 2 0 6 1 - Y       connector KCO12-030E       1         K 0 0 2 1 1 0 0 3 0 2       10 bolt with flange 30       2         LM2 7 0 0 - 0 8 6 6 Z D       manifold mount plate       1         K 0 0 2 1 1 0 0 2 5 2       10 bolt with flange 25       2 |

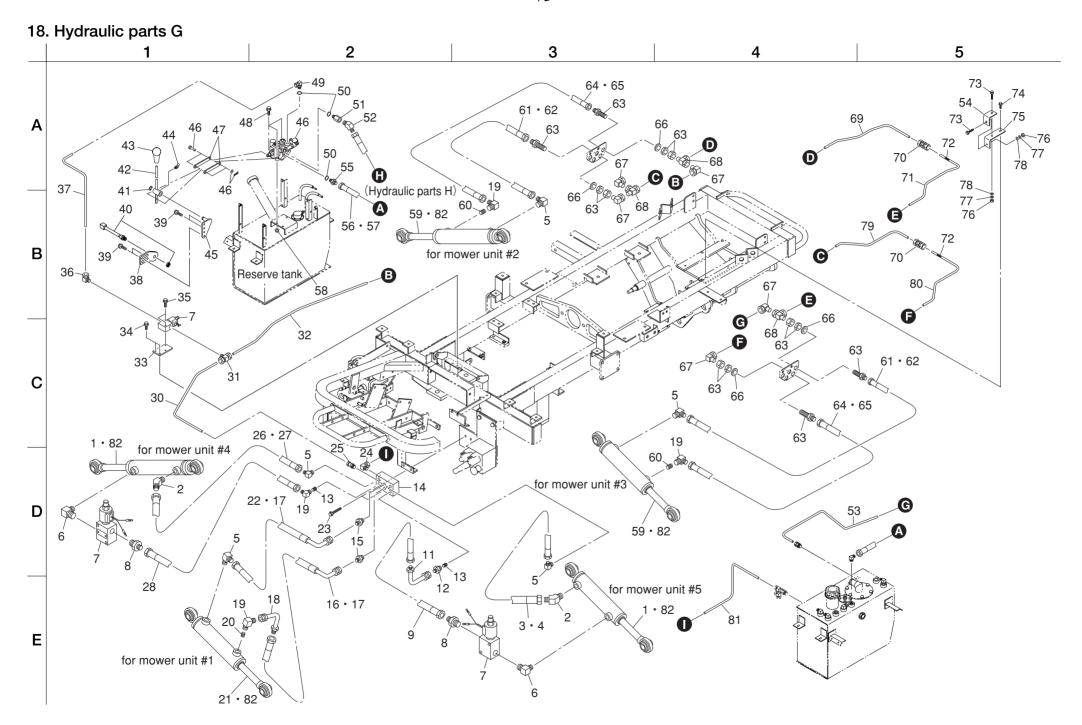


| Cat No.        | Code No.                                  | Part Name   | Qty | Remark | Cat No. | Code No.        | Part Name                      | Qty      | Remark |
|----------------|---|---|-----|--------|---------|-----------------|--------------------------------|----------|--------|
|                | W. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. |   |     |        |         |                 |                                | <u> </u> |        |
| 17-1           | K3008000352-Y                             | 90 different diameter elbow PT3/8 PF1/2                       | 4   |        | 17-36   | LM2700-0841Z2-Y | # 2 motor drain pipe           | 1 1      |        |
| 17-2           | K0881018000                               | O-ring P18B   | 4   |        | 17-37   | LM2700-0862Z2-Y | # 2 motor IN pipe              | 1 1      |        |
| 17-3           | K3001060002-Y                             | 90 elbow 1033-6   | 2   |        | 17-38   | K3028612001-Y   | union KUA12-000E               | 1 1      |        |
| 17-4           | K3280000230                               | gear motor MB4AK379   | 2   |        | 17-39   | K3186000500     | φ 10 tetoron braid hose 50     | 1 1      |        |
| 17-5           | K0000100302                               | 10 bolt 30  | 4   |        | 17-40   | LM2700-0839Z2-Y | #3 motor OUT pipe              | 1        |        |
| 17-6<br>17-7   | K0200100002                               | 10S washer<br>10 washer                                       | 4   |        | 17-41   | K3190009000     | SP-12 coil tube 900            | 2        |        |
|                | K5000100002                               |   | 4   |        | 17-42   | LM2700-0843Z2-Y | #3 motor drain pipe            | 1        |        |
| 17-8           | K4203001310                               | reel stop mark  | 2   |        | 17-43   | YCG0038A        | seal kit for MB gear motor 379 | 2        |        |
| 17-9           | K4203001300                               | reel rotation mark  | 2   |        |         |                 |                                |          |        |
| 17-10          | K3103321020                               | WP140-9 hose 2-1020   | 2   |        |         |                 |                                |          |        |
| 17-11          | K3191009200                               | SP-15 coil tube 920   |     |        |         |                 |                                |          |        |
| 17-12          | K3103311000                               | WP140-9 hose 1-1000   | 2   |        |         |                 |                                |          |        |
| 17-13<br>17-14 | K3191009000<br>K0021100202                | SP-15 coil tube 900   | 2   |        |         |                 |                                |          |        |
|                | LM2700-0813ZD                             | 10 bolt with flange 20  | 1   |        |         |                 |                                |          |        |
| 17-15<br>17-16 |   | valve mount plate for mower unit #2#3  10 bolt with flange 30 | 2   |        |         |                 |                                |          |        |
| 17-10          | K3026412061-Y                             | elbow nipple KL012-030E                                       | 2   |        |         |                 |                                |          |        |
| 17-17          | K0881014000                               | O-ring P14B   | 4   |        |         |                 |                                |          |        |
| 17-10          | K3008000482-Y                             | screw cap female PF1/4  | 1   |        |         |                 |                                |          |        |
| 17-13          | K3000000402 T                             | adaptor 1013-6  | 1   |        |         |                 |                                |          |        |
| 17-21          | K3027112001-Y                             | elbow KLC12-000E  | 4   |        |         |                 |                                |          |        |
| 17-22          | K3026312061-Y                             | connector KCO12-030E  | 2   |        |         |                 |                                |          |        |
| 17-23          | K3313000280                               | solenoid valve V5259A COMP                                    | 1   |        |         |                 |                                |          |        |
| 17-24          | LM2700-3834Z2-Y                           | V5259A tank pipe  | 1   |        |         |                 |                                |          |        |
| 17-25          | LM2700-3836Z2-Y                           | V5259A pump pipe  | 1   |        |         |                 |                                |          |        |
| 17-26          | K3026912061-Y                             | bulkhead union KUE12-030E                                     | 4   |        |         |                 |                                |          |        |
| 17-27          | K0214180001                               | 18 metal washer with conical disk spring 2L                   | 4   |        |         |                 |                                |          |        |
| 17-28          | K3101211000                               | WP70-6 hose 1-1000  | 2   |        |         |                 |                                |          |        |
| 17-29          | K3026910041-Y                             | bulkhead union KUE10-020E                                     | 2   |        |         |                 |                                |          |        |
| 17-30          | K0021080202                               | 8 bolt with flange 20   | 4   |        |         |                 |                                |          |        |
| 17-31          | LM2700-0812ZD                             | mower unit #2#3 relay plate                                   | 2   |        |         |                 |                                |          |        |
| 17-32          | K0214160001                               | 16 metal washer with conical disk spring 2L                   | 2   |        |         |                 |                                |          |        |
| 17-33          | K3027110001-Y                             | elbow KLC10-000E  | 2   |        |         |                 |                                |          |        |
| 17-34          | LM2700-3835Z2-Y                           | #2 motor OUT pipe   | 1   |        |         |                 |                                |          |        |
| 17-35          | LM2700-3837Z2-Y                           | #2 motor IN pipe  | 1   |        |         |                 |                                |          |        |

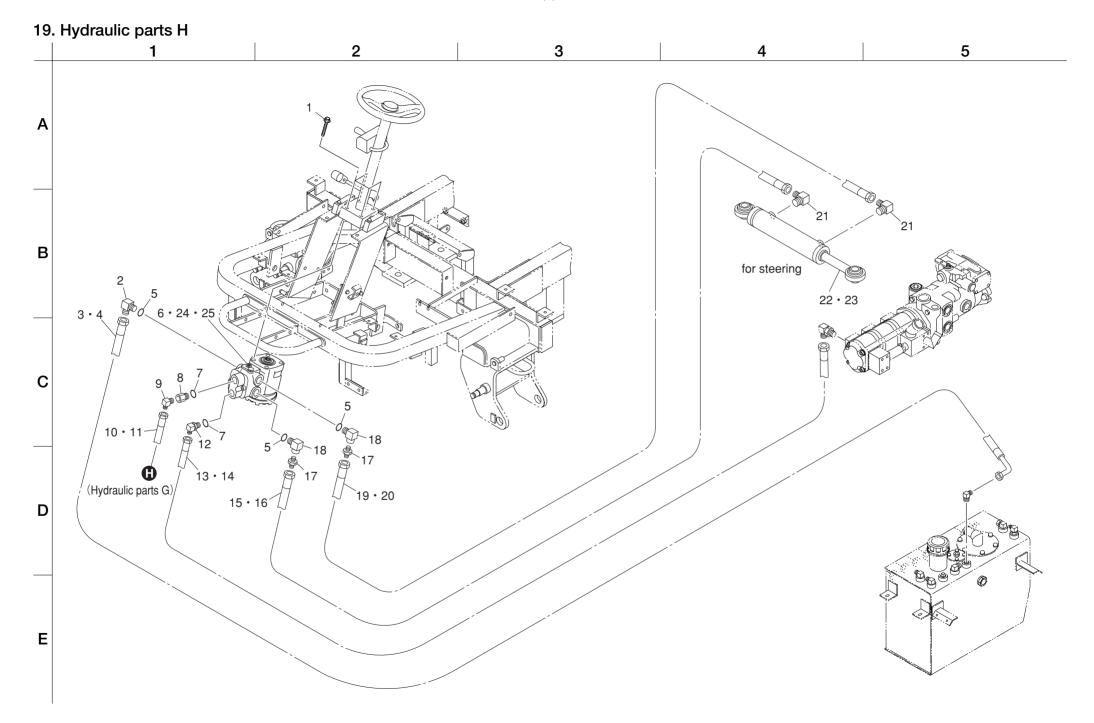


| Cat No. | Code No.        | Part Name                            | Qty | Remark |
|---------|-----------------|--------------------------------------|-----|--------|
| 18-1    | K3212000450     | 40-200 cylinder 387                  | 2   |        |
| 18-2    | K3003060002-Y   | 45 elbow 1035-6                      | 2   |        |
| 18-3    | K3101210650     | WP70-6 hose 1-650                    | 1   |        |
| 18-4    | K3190005500     | SP-12 coil tube 550                  | 1   |        |
| 18-5    | K3001060002-Y   | 90 elbow 1033-6                      | 5   |        |
| 18-6    | K3006000032-Y   | different diameter elbow PT1/4 PT3/8 | 2   |        |
| 18-7    | K3313000040     | electro-check valve V4029            | 3   |        |
| 18-8    | K3009000042-Y   | special adaptor PF1/4 PT3/8          | 2   |        |
| 18-9    | LM2700-3842Z0   | WP105-6 hose 2-800                   | 1   |        |
| 18-10   |                 |                                      |     |        |
| 18-11   | K302506L042-Y   | pipe adaptor 06L-04                  | 1   |        |
| 18-12   | K3009000272-Y   | special adaptor 1013-6M6             | 1   |        |
| 18-13   | K0023000051     | 6 hollow set screw 6-1.2             | 2   |        |
| 18-14   | LM2700-0834Z2-Y | cylinder manifold                    | 1   |        |
| 18-15   | K3000060002-Y   | adaptor 1013-6                       | 2   |        |
| 18-16   | K3102230600     | WP105-6 hose 3-600                   | 1   |        |
| 18-17   | K3190005000     | SP-12 coil tube 500                  | 2   |        |
| 18-18   | K3025069042-Y   | pipe adaptor 069-04                  | 1   |        |
| 18-19   | K3029000252-Y   | 90 elbow 1033-6M6                    | 4   |        |
| 18-20   | K0023000061     | 6 hollow set screw 6-1.6             | 1   |        |
| 18-21   | K3212000440     | 40-138 cylinder 363                  | 1   |        |
| 18-22   | K3101230600     | WP70-6 hose 3-600                    | 1   |        |
| 18-23   | K0021080502     | 8 bolt with flange 50                | 2   |        |
| 18-24   | K3028010041-Y   | elbow KLN10-020E                     | 1   |        |
| 18-25   | K3026610041-Y   | connector KCT10-020E                 | 1   |        |
| 18-26   | K3101211040     | WP70-6 hose 1-1040                   | 1   |        |
| 18-27   | K3190009400     | SP-12 coil tube 940                  | 1   |        |
| 18-28   | LM2700-3843Z0   | WP105-6 hose 2-1100                  | 1   |        |
| 18-29   |                 |                                      |     |        |
| 18-30   | LM2700-0847Z2-Y | #1 · 4 · 5 cylinder pipe             | 1   |        |
| 18-31   | K3028210061-Y   | nipple-in-tee KTN10-030E             | 1   |        |
| 18-32   | LM2700-0840Z2-Y | #2 cylinder pipe                     | 1   |        |
| 18-33   | LM2700-0865ZD   | valve plate                          | 1   |        |
| 18-34   | K0021080202     | 8 bolt with flange 20                | 2   |        |
| 18-35   | K0021080402     | 8 bolt with flange 40                | 2   |        |

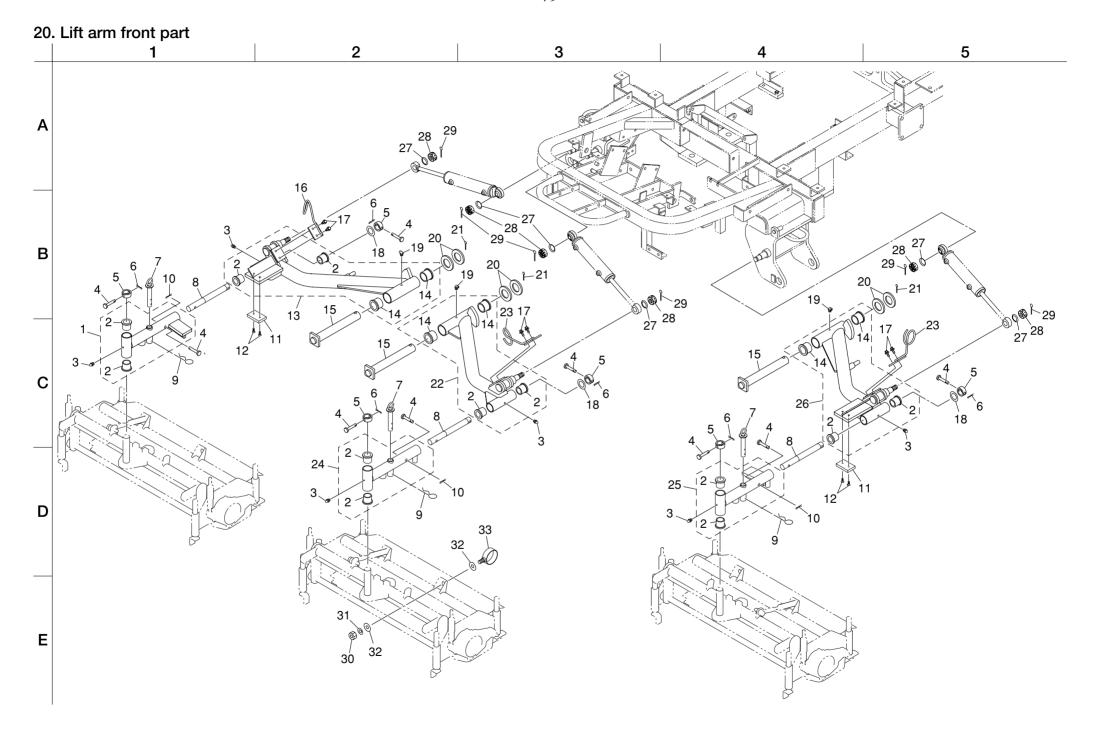
| Cat No. | Code No.        | Part Name                                   | Qty | Remark |
|---------|-----------------|---|-----|--------|
| 18-36   | K3028012061-Y   | elbow KLN12-030E                            | 1   |        |
| 18-37   | LM2700-0856Z2-Y | cylinder pipe                               | 1   |        |
| 18-38   | LM2700-0625ZD   | switch mount plate                          | 1   |        |
| 18-39   | K0021080152     | 8 bolt with flange 15                       | 4   |        |
| 18-40   | LM2700-0557Z0   | proximity sensor E2E-X5E                    | 1   |        |
| 18-41   | K0400012002     | stop ring E12                               | 1   |        |
| 18-42   | LM2700-0874Z2   | lever                                       | 1   |        |
| 18-43   | K130000050      | 9 grip red 35.5                             | 1   |        |
| 18-44   | K144000030      | B-shaped grease nipple                      | 1   |        |
| 18-45   | LM2700-0873Z2   | lever support                               | 1   |        |
| 18-46   | K3300000190     | stuck valve SV3-1191                        | 1   |        |
| 18-47   | LM2700-0875Z2   | joint plate                                 | 2   |        |
| 18-48   | K0021080302     | 8 bolt with flange 30                       | 3   |        |
| 18-49   | K3026412061-Y   | elbow nipple KL012-030E                     | 1   |        |
| 18-50   | K0881018000     | O-ring P18B                                 | 3   |        |
| 18-51   | K3029000072-Y   | special bushing PF3/8 PT3/8                 | 1   |        |
| 18-52   | K3003090002-Y   | 45 elbow 1035-9                             | 1   |        |
| 18-53   | LM2700-0842Z2-Y | #3 cylinder drain pipe                      | 1   |        |
| 18-54   | LM2700-0864ZD   | pipe retaining tool B                       | 1   |        |
| 18-55   | K3009000172-Y   | special adaptor PF3/8 PTF1/2                | 1   |        |
| 18-56   | K3100421050     | WP35-12 hose 2-1050                         | 1   |        |
| 18-57   | K3191009500     | SP-15 coil tube 950                         | 1   |        |
| 18-58   | K0151080002     | 8 nut with flange                           | 3   |        |
| 18-59   | K3212000430     | 40-90 cylinder 307                          | 2   |        |
| 18-60   | K0023000011     | 6 hollow set screw 6-1                      | 2   |        |
| 18-61   | K3102220460     | WP105-6 hose 2-460                          | 2   |        |
| 18-62   | K3190003600     | SP-12 coil tube 360                         | 2   |        |
| 18-63   | K3026910041-Y   | bulkhead union KUE10-020E                   | 4   |        |
| 18-64   | K3102230430     | WP105-6 hose 3-430                          | 2   |        |
| 18-65   | K3190003300     | SP-12 coil tube 330                         | 2   |        |
| 18-66   | K0214160001     | 16 metal washer with conical disk spring 2L | 4   |        |
| 18-67   | K3027110001-Y   | elbow KLC10-000E                            | 5   |        |
| 18-68   | K3027210001-Y   | tee KTC10-000E                              | 3   |        |
| 18-69   | LM2700-0837Z2-Y | #2 · 3 cylinder drain pipe                  | 1   |        |
| 18-70   | K3028610001-Y   | union KUA10-000E                            | 2   |        |



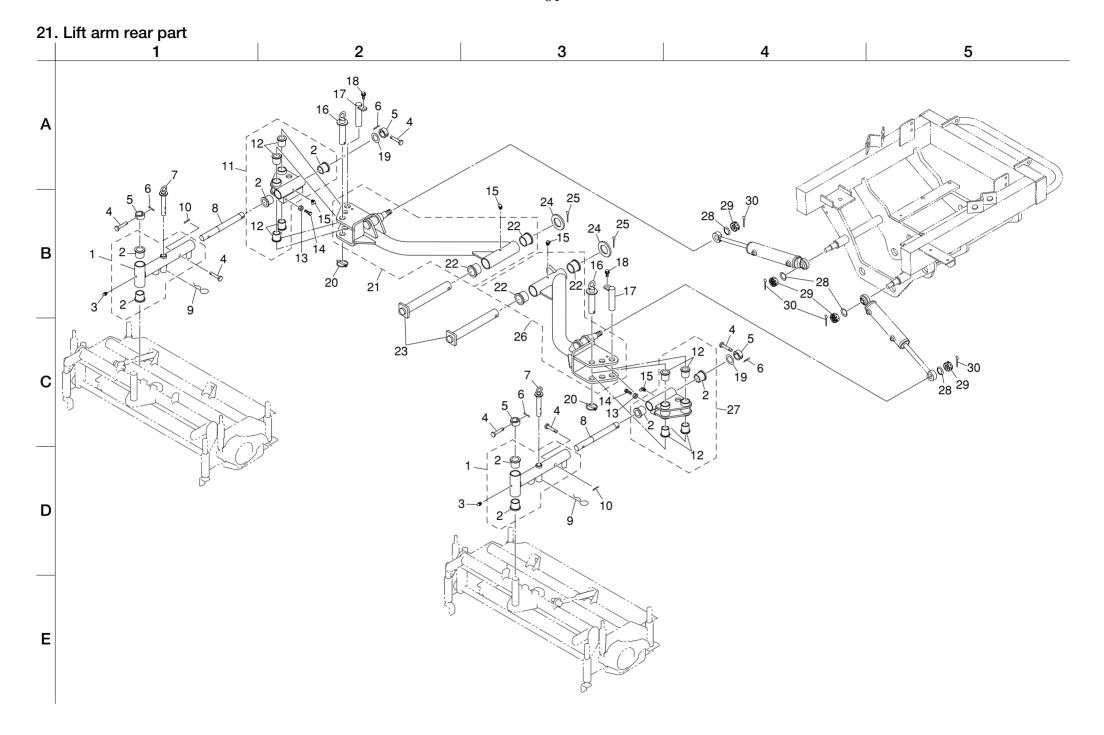
| Cat No. | Code No.        | Part Name                       | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
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| 18-71   | LM2700-0861Z2-Y | #3 cylinder drain pipe          | 1   |        |         |          |           |     |        |
|         | K3186000500     | $\phi$ 10 tetoron braid hose 50 | 2   |        |         |          |           |     |        |
|         | K0021060302     | 6 bolt with flange 30           | 2   |        |         |          |           |     |        |
| 18-74   |                 | 6 bolt with flange 15           | 1   |        |         |          |           |     |        |
|         | LM2700-0863ZD   | pipe retaining tool A           | 1   |        |         |          |           |     |        |
|         | K0100060002     | 6 nut                           | 2   |        |         |          |           |     |        |
| 18-77   |                 | 6S washer                       | 2   |        |         |          |           |     |        |
|         | K5000060002     | 6 washer                        | 2   |        |         |          |           |     |        |
|         | LM2700-0838Z2-Y | #2 · 3 cylinder pipe            | 1   |        |         |          |           |     |        |
|         | LM2700-0860Z2-Y | #3 cylinder pipe                | 1   |        |         |          |           |     |        |
| 18-81   | LM2700-0848Z2-Y | #1 · 4 · 5 cylinder drain pipe  | 1   |        |         |          |           |     |        |
|         | Y80209-00301    | cylinder seal kit               | 2   |        |         |          |           |     |        |
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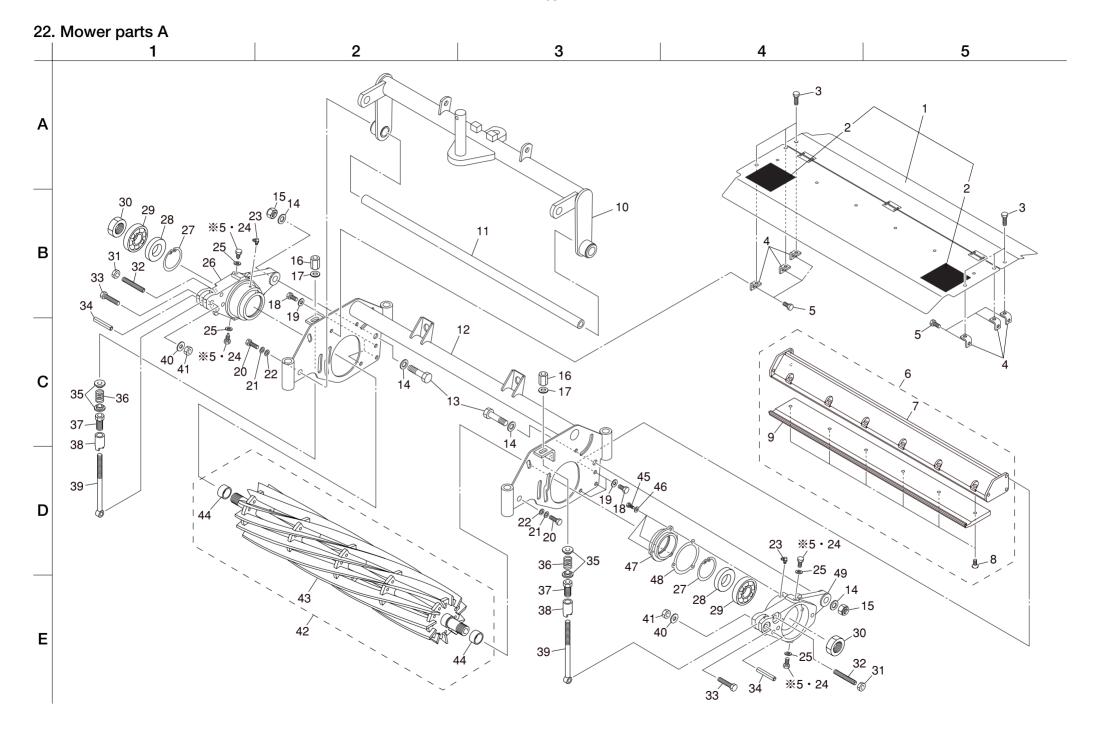
| Cat No. | Code No.                    | Part Name   | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
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| 40.4    | K0001100500                 | 40 h alk with flagger 50                          | 4   |        |         |          |           |     |        |
| 19-1    | K0061100502                 | 10 bolt with flange 50                            | 4   |        |         |          |           |     |        |
| 19-2    | K3008000032-Y               | 90 adjuster elbow 1086-9                          | 1   |        |         |          |           |     |        |
| 19-3    | K3100331720                 | WP35-9 hose 3-1720                                | 1   |        |         |          |           |     |        |
| 19-4    | K3191016200                 | SP-15 coil tube 1620                              | 1   |        |         |          |           |     |        |
| 19-5    | K0881014000                 | O-ring P14B                                       | 3   |        |         |          |           |     |        |
| 19-6    | K3294000120                 | orbit roll LC-D1-E                                | 1   |        |         |          |           |     |        |
| 19-7    | K0881018000                 | O-ring P18B                                       | 2   |        |         |          |           |     |        |
| 19-8    | K3029000042-Y               | special bushing PF1/2 PT3/8                       | 1   |        |         |          |           |     |        |
| 19-9    | K3001090002-Y               | 90 elbow 1033-9                                   | 1   |        |         |          |           |     |        |
| 19-10   | -                           | WP105-9 hose 1-1500<br>SP-15 coil tube 1400       | 1   |        |         |          |           |     |        |
|         | K3191014000                 |   | 1   |        |         |          |           |     |        |
| 19-12   |                             | 90 different diameter elbow PF3/8 PF1/2           | 1   |        |         |          |           |     |        |
| 19-13   |                             | WP105-9 hose 1-1100                               | 1   |        |         |          |           |     |        |
|         | K3191010000                 | SP-15 coil tube 1000                              | 1   |        |         |          |           |     |        |
|         | K3101213000<br>K3190029000  | WP70-6 hose 1-3000<br>SP-12 coil tube 2900        | 1   |        |         |          |           |     |        |
|         | K3000060002-Y               |   | 1   |        |         |          |           |     |        |
|         |                             | adaptor 1013-6                                    | 2   |        |         |          |           |     |        |
|         | K3008000082-Y               | 90 adjuster elbow PF3/8 PT1/4                     | 2   |        |         |          |           |     |        |
| 19-19   |                             | WP70-6 hose 1-3210                                | 1   |        |         |          |           |     |        |
| 19-20   |                             | SP-12 coil tube 3110                              | 1   |        |         |          |           |     |        |
|         | K3001060002-Y               | 90 elbow 1033-6                                   | 2   |        |         |          |           |     |        |
| 19-22   | K3212000420<br>Y80209-00301 | 40-187 cylinder 393                               | - 1 |        |         |          |           |     |        |
|         |                             | cylinder seal kit<br>orbit roll VP valve seal kit | 1   |        |         |          |           |     |        |
|         | YBK0039A                    |   | 1   |        |         |          |           |     |        |
| 19-25   | YBA0271A                    | orbit roll seal kit                               | 1   |        |         |          |           |     |        |
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| Cat No. | Code No.      | Part Name                         | Qty | Remark         | Cat No. | Code No. | Part Name | Qty | Remark |
|---------|---------------|-----------------------------------|-----|----------------|---------|----------|-----------|-----|--------|
| 20-1    | LM2700-0218ZR | mower unit #4 joint fitting       | 1   |                |         |          |           |     |        |
| 20-2    | K6010000150   | 25 flange bush 3230               | 12  |                |         |          |           |     |        |
| 20-3    | K144000010    | grease nipple                     | 6   |                |         |          |           |     |        |
| 20-4    | K6031090458   | 9.6 hardened flat-head pin 45.5   | 9   |                |         |          |           |     |        |
| 20-5    | LM526A-0209Z2 | collar                            | 6   |                |         |          |           |     |        |
| 20-6    | K0341000002   | 10 snap pin with stopper          | 6   |                |         |          |           |     |        |
| 20-7    | LM2700-0204Z2 | lock pin                          | 3   |                |         |          |           |     |        |
| 20-8    | LM2700-0202Z0 | shaft                             | 3   |                |         |          |           |     |        |
| 20-9    | K0332200008   | 22 retaining pin                  | 3   |                |         |          |           |     |        |
| 20-10   | K0300032202   | 3.2 split pin 20                  | 3   |                |         |          |           |     |        |
| 20-11   | K4033000380   | rubber stopper                    | 2   |                |         |          |           |     |        |
| 20-12   | K0041060152   | 6+ countersunk head screw 15      | 4   |                |         |          |           |     |        |
| 20-13   | LM2700-0208ZD | #4 lift arm                       | 1   |                |         |          |           |     |        |
| 20-14   | K6010000140   | 30 flange bush 3830               | 6   |                |         |          |           |     |        |
| 20-15   | K7147000232   | 30 pin with hole 196              | 3   |                |         |          |           |     |        |
| 20-16   | LM2700-0233Z2 | hose guide C                      | 1   |                |         |          |           |     |        |
| 20-17   | K0021080152   | 8 bolt with flange 15             | 6   |                |         |          |           |     |        |
| 20-18   | K5011025370   | 1SPCC metal washer 25.437         | 3   | for adjustment |         |          |           |     |        |
| 20-19   | K1440000020   | C-shaped grease nipple            | 3   |                |         |          |           |     |        |
| 20-20   | K5012330452   | 2.3SPCC metal washer 3045         | 6   |                |         |          |           |     |        |
| 20-21   | K0300040402   | 4 split pin 40                    | 3   |                |         |          |           |     |        |
| 20-22   | LM2700-0210ZD | #1 lift arm                       | 1   |                |         |          |           |     |        |
| 20-23   | LM2700-0232Z2 | hose guide B                      | 2   |                |         |          |           |     |        |
| 20-24   | LM2700-0201ZR | mower joint fitting               | 1   |                |         |          |           |     |        |
| 20-25   | LM2700-0217ZR | mower unit #5 joint fitting       | 1   |                |         |          |           |     |        |
| 20-26   | LM2700-0207ZD | #5 lift arm                       | 1   |                |         |          |           |     |        |
| 20-27   | K0215160001   | 16 metal washer with conical disk | 6   |                |         |          |           |     |        |
| 20-28   | K0122160002   | spring 2H                         | 6   |                |         |          |           |     |        |
| 20-29   | K0300040322   | 16 slotted high nut P1.5          | 6   |                |         |          |           |     |        |
| 20-30   | K0100120002   | 4 split pin 32                    | 1   |                |         |          |           |     |        |
| 20-31   | K0200120002   | 12 nut                            | 1   |                |         |          |           |     |        |
| 20-32   | K5000120002   | 12S washer                        | 2   |                |         |          |           |     |        |
| 20-33   | LM2700-0231Z2 | 12 washer                         | 1   |                |         |          |           |     |        |
|         |               | hose guide A                      |     |                |         |          |           |     |        |

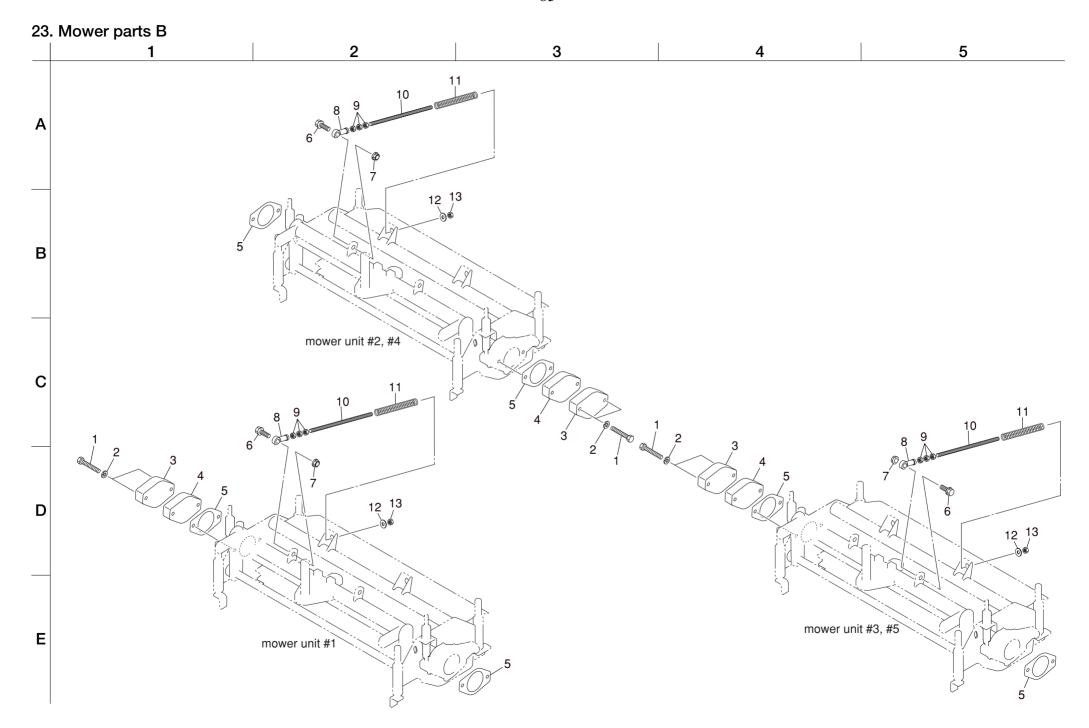


| Cat No. | Code No.      | Part Name                                   | Qty | Remark         | Cat No. | Code No. | Part Name | Qty | Remark |
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| 21-1    | LM2700-0201ZR | mower joint fitting                         | 2   |                | -       |          |           |     |        |
| 21-2    | K6010000150   | 25 flange bush 3230                         | 8   |                |         |          |           |     |        |
| 21-3    | K144000010    | grease nipple                               | 2   |                |         |          |           |     |        |
| 21-4    | K6031090458   | 9.6 hardened flat-head pin 45.5             | 6   |                |         |          |           |     |        |
| 21-5    | LM526A-0209Z2 | collar                                      | 4   |                |         |          |           |     |        |
| 21-6    | K0341000002   | 10 snap pin with stopper                    | 4   |                |         |          |           |     |        |
| 21-7    | LM2700-0204Z2 | lock pin                                    | 2   |                |         |          |           |     |        |
| 21-8    | LM2700-0202Z0 | shaft                                       | 2   |                |         |          |           |     |        |
| 21-9    | K0332200008   | 22 retaining pin                            | 2   |                |         |          |           |     |        |
| 21-10   | K0300032202   | 3.2 split pin 20                            | 2   |                |         |          |           |     |        |
| 21-11   | LM2700-0214ZD | #2 rotation fitting                         | 1   |                |         |          |           |     |        |
| 21-12   | K6010000130   | 22 flange bush 2830                         | 8   |                |         |          |           |     |        |
| 21-13   | K0103100002   | 10 nut P1.25                                | 2   |                |         |          |           |     |        |
| 21-14   | K0011100302   | 10 heat-treated bolt 30P1.25                | 2   |                |         |          |           |     |        |
| 21-15   |               | C-shaped grease nipple                      | 4   |                |         |          |           |     |        |
| 21-16   | LM2700-0216A2 | grip pin                                    | 2   |                |         |          |           |     |        |
| 21-17   | LM2700-0211Z2 | rear rotation shaft                         | 2   |                |         |          |           |     |        |
| 21-18   | K0021080152   | 8 bolt with flange 15                       | 2   |                |         |          |           |     |        |
| 21-19   | K5011025370   | 1SPCC metal washer 25.437                   | 2   | for adjustment |         |          |           |     |        |
| 21-20   |               | 6 clip pin                                  | 2   |                |         |          |           |     |        |
| 21-21   | LM2700-0213ZD | #2 lift arm                                 | 1   |                |         |          |           |     |        |
| 21-22   | K6010000140   | 30 flange bush 3830                         | 4   |                |         |          |           |     |        |
| 21-23   | K7147000232   | 30 pin with hole 196                        | 2   |                |         |          |           |     |        |
| 21-24   | K5011030422   | 1SPCC metal washer 3042                     | 2   |                |         |          |           |     |        |
| 21-25   |               | 4 split pin 40                              | 2   |                |         |          |           |     |        |
| 21-26   |               | #3 lift arm                                 | 1   |                |         |          |           |     |        |
| 21-27   | LM2700-0215ZD | #3 rotation fitting                         | 1   |                |         |          |           |     |        |
| 21-28   | K0215160001   | 16 metal washer with conical disk spring 2H | 4   |                |         |          |           |     |        |
| 21-29   | K0122160002   | 16 slotted high nut P1.5                    | 4   |                |         |          |           |     |        |
| 21-30   | K0300040322   | 4 split pin 32                              | 4   |                |         |          |           |     |        |
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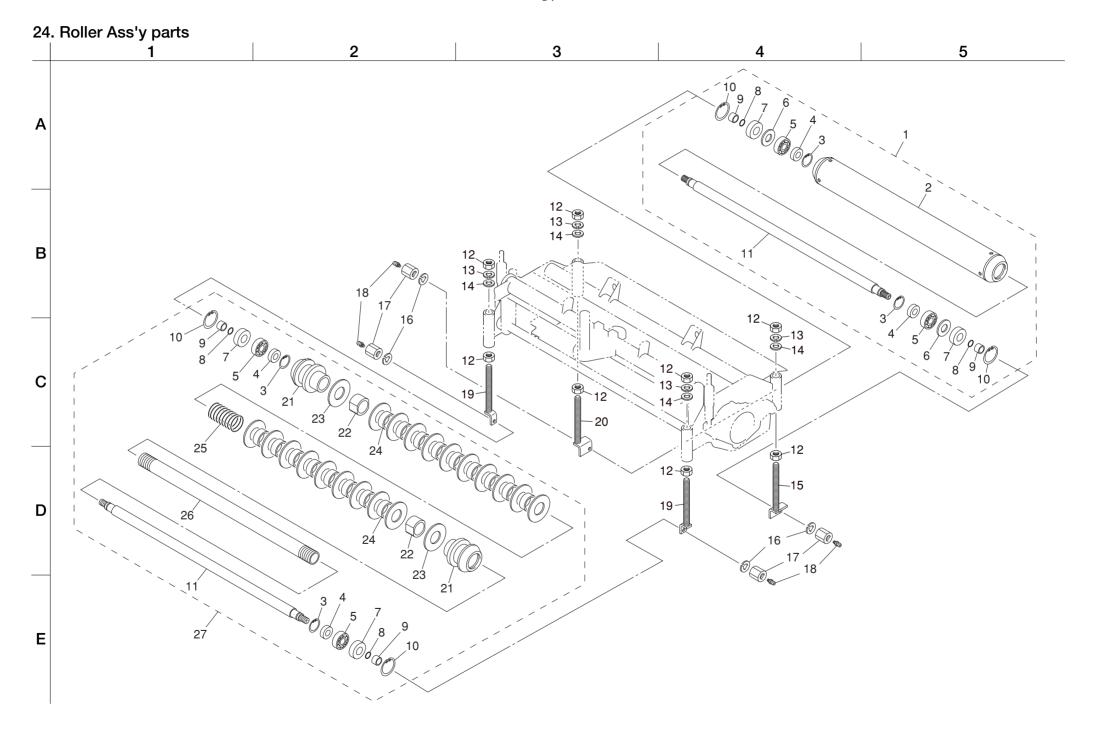


| Cat No.        | Code No.      | Part Name                                   | Qty | Remark       |
|----------------|---------------|---|-----|--------------|
| 22-1           | LM2700-0194Z0 | reel cover COMP                             | 5   |              |
| 22-2           | K4205001600   | cutting hazard label                        | 10  |              |
| 22-3           | K0021080152   | 8 bolt with flange 15                       | 30  |              |
| 22-4           | LM2700-0139ZR | cover mount plate                           | 30  |              |
| <b>※</b> 22-5  | K0021080102   | 8 bolt with flange 10 (1pc)                 | 40  | Motor side   |
| 22-6           | LM2700-0117Z0 | bed knife mount base 732 Ass'y              | 5   |              |
| 22-7           | LM2700-0116ZR | bed knife mount base 732                    | 5   |              |
| 22-8           | K0071000092   | 10 heat-treated countersunk head screw 20   | 30  |              |
| 22-9           | K2510000030   | 7 bed knife 85-662                          | 5   |              |
| 22-10          | LM2700-0144ZR | mower arm                                   | 5   |              |
| 22-11          | LM2700-0140Z8 | front stay                                  | 5   |              |
| 22-12          | LM2700-0141AR | mower frame                                 | 5   |              |
| 22-13          | LM2700-0118Z2 | support shaft bolt                          | 10  |              |
| 22-14          | K5012314252   | 2.3SPCC metal washer 1425                   | 20  |              |
| 22-15          | K0145140002   | 14U nut P1.5                                | 10  |              |
| 22-16          | LM56G0506Z2   | receiving blade adjusting screw             | 10  |              |
| 22-17          | K5051010200   | 1C5191P metal washer 1020                   | 10  |              |
| 22-18          | K0008100202   | 10 small bolt 20                            | 30  |              |
| 22-19          | K0214100002   | 10 metal washer with conical disk spring 2L | 30  |              |
| 22-20          | K0002140252   | 14 bolt 25P1.5                              | 10  |              |
| 22-21          | K0200140002   | 14S washer                                  | 10  |              |
| 22-22          | K5000140002   | 14 washer                                   | 10  |              |
| 22-23          | K1440000020   | C-shaped grease nipple                      | 10  |              |
| <b>※</b> 22-24 | LM2700-0146Z2 | stop bolt                                   | 10  | Groomer side |
| 22-25          | K0922080000   | seal washer 8WF                             | 20  |              |
| 22-26          | LM2700-0149Z0 | reel housing (R)                            | 5   |              |
| 22-27          | K0402052001   | stop ring R52                               | 10  |              |
| 22-28          | K0823552110   | oil seal MHSA355211                         | 10  |              |
| 22-29          | K0610062060   | bearing 6206RD                              | 10  |              |
| 22-30          | LM2700-0142Z2 | 30 small special nut P2                     | 10  |              |
| 22-31          | K0102100002   | 10 nut 3                                    | 10  |              |
| 22-32          | K0028100601   | 10 stainless hollow set screw 60            | 10  |              |
| 22-33          | K0003100502   | 10 bolt 50                                  | 10  |              |
| 22-34          | K0320100501   | 10 spring pin 50                            | 10  |              |
| 22-35          | K6206000052   | spring receiver                             | 20  |              |

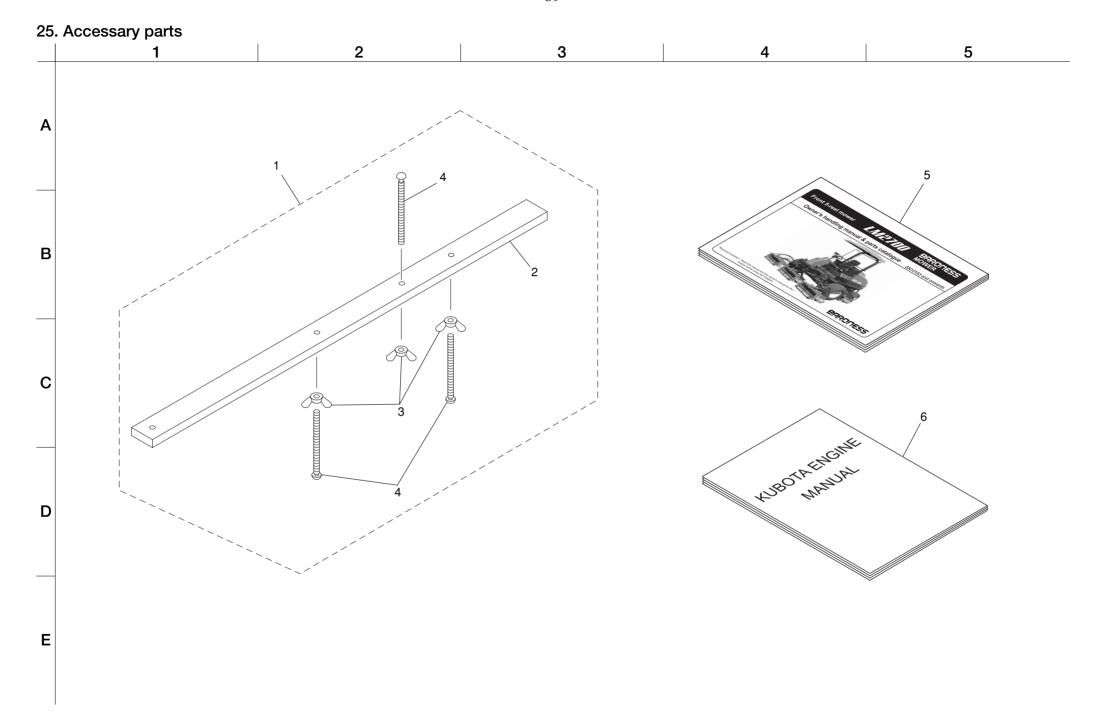
| Cat No. | Code No.      | Part Name                                  | Qty | Remark |
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| 22-36   | K1000000618   | 5 compression spring 2535                  | 10  |        |
| 22-37   | LM535E-1335Z2 | pipe with cutter adjusting screw           | 10  |        |
| 22-38   | LM535E-1334Z2 | adjusting pipe                             | 10  |        |
| 22-39   | K6511000042   | cutter adjusting bolt 170                  | 10  |        |
| 22-40   | K5012310252   | 2.3SPCC metal washer 1025                  | 10  |        |
| 22-41   | K0144100002   | 10U nut                                    | 10  |        |
| 22-42   | LM2700-0192Z0 | reel cutter Ass'y                          | 5   |        |
| 22-43   | K282700090R   | reel cutter 660-9                          | 5   |        |
| 22-44   | K0737000080   | multi-purpose inner ring LRTZ303518        | 10  |        |
| 22-45   | K0000060152   | 6 bolt 15                                  | 15  |        |
| 22-46   | K0212060002   | 6 metal washer with conical disk spring 1L | 15  |        |
| 22-47   | LM2700-0150Z0 | housing cover                              | 5   |        |
| 22-48   | LM2700-0130Z0 | reel packing                               | 5   |        |
| 22-49   | LM2700-0148Z0 | reel housing (L)                           | 5   |        |
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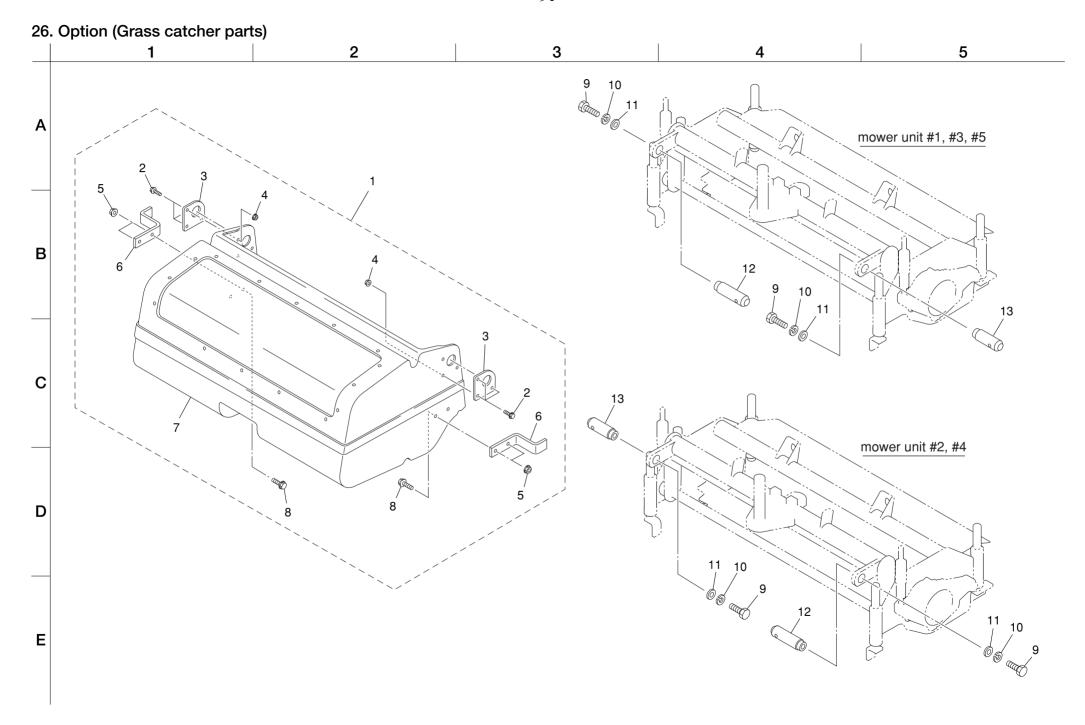
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| 23-1    | K0003100702   | 10 bolt 70                 | 10  |        |         |          |           |     |        |
| 23-2    | K0200100002   | 10S washer                 | 10  |        |         |          |           |     |        |
| 23-3    | K690300017D   | reel housing cover         | 5   |        |         |          |           |     |        |
| 23-4    | LM2700-1201ZD | mower weight               | 5   |        |         |          |           |     |        |
| 23-5    | K4011000290   | packing                    | 10  |        |         |          |           |     |        |
| 23-6    | K0000120352   | 12 bolt 35                 | 5   |        | -       |          |           |     |        |
| 23-7    | K0151120002   | 12 nut with flange         | 5   |        |         |          |           |     |        |
| 23-8    | K1603120000   | pillow ball rod end PHSA12 | 5   |        |         |          |           |     |        |
| 23-9    | K0102120002   | 12 nut 3                   | 15  |        |         |          |           |     |        |
| 23-10   | LM2700-0219Z2 | M12 screw shaft 240        | 5   |        |         |          |           |     |        |
| 23-11   | K100000118    | 3 compression spring 21150 | 5   |        |         |          |           |     |        |
| 23-12   | K5073212352   | 3.2SPHC metal washer 1235  | 5   |        |         |          |           |     |        |
| 23-13   | K0144120002   | 12U nut                    | 5   |        |         |          |           |     |        |
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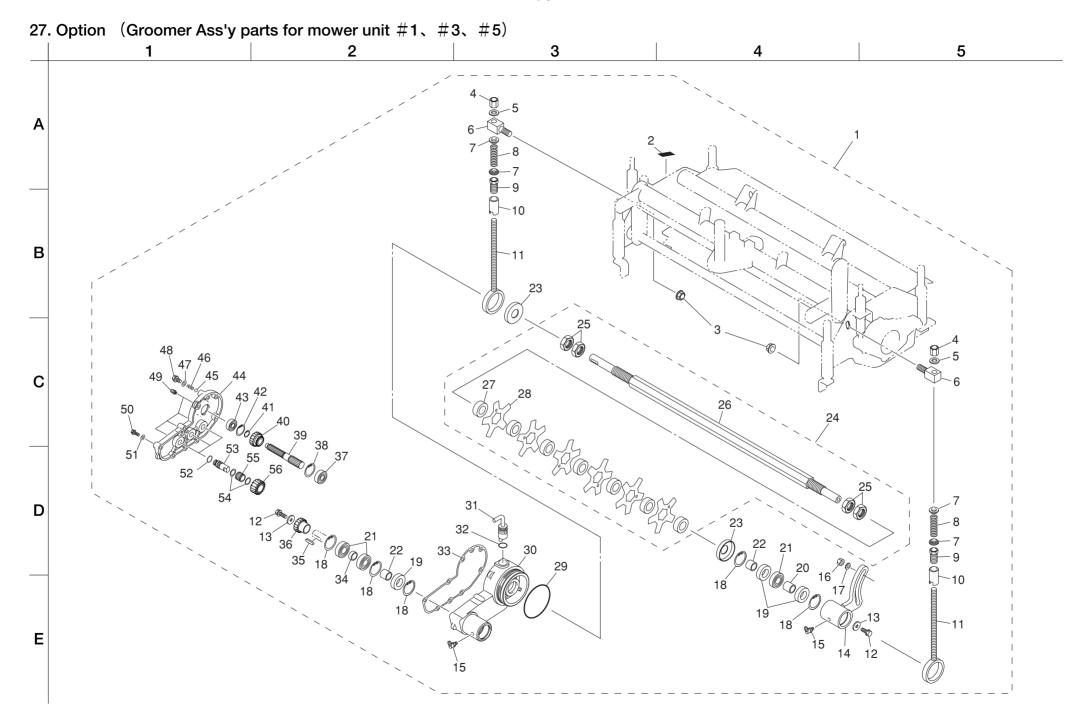
| Cat No. | Code No.      | Part Name                          | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
|---------|---------------|------------------------------------|-----|--------|---------|----------|-----------|-----|--------|
| 24-1    | LM2700-0193Z0 | roller Ass'y                       | 5   |        | -       |          |           |     |        |
| 24-2    | LM2700-0154ZD | 76.2 roller 696                    | 5   |        |         |          |           |     |        |
| 24-3    | K0402035001   | stop ring R35                      | 20  |        |         |          |           |     |        |
| 24-4    | K0822235080   | oil seal MHSA22358                 | 20  |        |         |          |           |     |        |
| 24-5    | K0600063030   | bearing 6303                       | 20  |        |         |          |           |     |        |
| 24-6    | K5090000802   | 3.2SPHC metal washer 4047          | 10  |        |         |          |           |     |        |
| 24-7    | K0822547080   | oil seal MHSA25478                 | 20  |        |         |          |           |     |        |
| 24-8    | K0885015000   | O-ring S15                         | 20  |        |         |          |           |     |        |
| 24-9    | LM2700-0158Z0 | 17SUS coller 2516                  | 20  |        |         |          |           |     |        |
| 24-10   | K0402047001   | stop ring R47                      | 20  |        |         |          |           |     |        |
| 24-11   | LM2700-0152Z0 | 22 roller shaft 749                | 10  |        |         |          |           |     |        |
| 24-12   | K0108180002   | 18 nut 3P1.5                       | 40  |        |         |          |           |     |        |
| 24-13   | K0200180002   | 18S washer                         | 20  |        |         |          |           |     |        |
| 24-14   | K5012018282   | 2SPCC metal washer 1828            | 20  |        |         |          |           |     |        |
|         | LM2700-0162Z2 | cutting height adjusting screw (L) | 5   |        |         |          |           |     |        |
| 24-16   | K0200140002   | 14S washer                         | 20  |        |         |          |           |     |        |
| 24-17   |               | 14-22 high nut 30                  | 20  |        |         |          |           |     |        |
| 24-18   | K1440000010   | grease nipple                      | 20  |        |         |          |           |     |        |
| 24-19   | LM2700-0137Z2 | cutting height adjusting screw     | 10  |        |         |          |           |     |        |
| 24-20   | LM2700-0161Z2 | cutting height adjusting screw (R) | 5   |        |         |          |           |     |        |
| 24-21   | LM2700-0153ZD | roller housing 75.5                | 10  |        |         |          |           |     |        |
| 24-22   |               | lock coller                        | 10  |        |         |          |           |     |        |
|         | LM2700-0155Z0 | 4A2017P metal washer 40.580        | 105 |        |         |          |           |     |        |
|         | LM2700-0156A0 | 41 coller 4521.8                   | 85  |        |         |          |           |     |        |
|         | K100000073D   | 5 compression spring 5175          | 5   |        |         |          |           |     |        |
| 24-26   | LM2700-0151Z2 | 34.2 roller pipe 40607.2           | 5   |        |         |          |           |     |        |
| 24-27   | LM2700-0190Z0 | slotted roller Ass'y               | 5   |        |         |          |           |     |        |
|         |               |                                    |     |        |         |          |           |     |        |
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| Cat No. | Code No.                | Part Name                           | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
|---------|-------------------------|-------------------------------------|-----|--------|---------|----------|-----------|-----|--------|
| 25-1    | LM2700-1502Z0           | cutting height gauge bar 600 Ass'y  | 1   |        |         |          |           |     |        |
| 25-2    | LM2700-1501Z2           | cutting height gauge bar 600A       | 1   |        |         |          |           |     |        |
| 25-3    | K0141060002             | 6 wing nut 3                        | 3   |        |         |          |           |     |        |
| 25-4    | K0071000522             | 6 cutting height adjusting screw 75 | 3   |        |         |          |           |     |        |
| 25-5    | LM2700E08D-01           | LM2700 manual & parts catalogue     | 1   |        |         |          |           |     |        |
| 25-6    | 1 J 4 6 4 - 8 9 1 6 - 1 | Kubota engine manual                | 1   |        |         |          |           |     |        |
|         |                         |                                     |     |        |         |          |           |     |        |
|         |                         |                                     |     |        |         |          |           |     |        |
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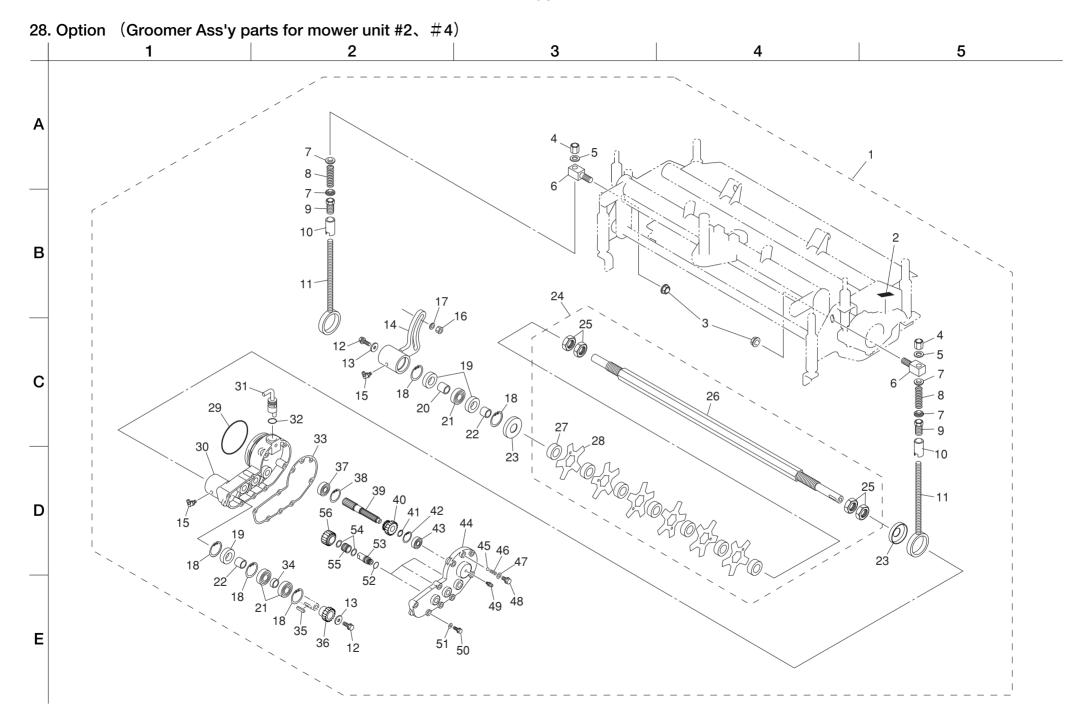


| Cat No. | Code No.      | Part Name              | Qty | Remark | Cat No. | Code No. | Part Name | Qty | Remark |
|---------|---------------|------------------------|-----|--------|---------|----------|-----------|-----|--------|
| 26-1    | LM2700-1101Z0 | 26 grass catcher Ass'y | 5   |        |         |          |           |     |        |
| 26-2    | K0021060202   | 6 bolt with flange 20  | 30  |        |         |          |           |     |        |
| 26-3    | LM2700-1110ZD | reinforcement plate    | 10  |        |         |          |           |     |        |
| 26-4    | K0151060002   | 6 nut with flange      | 30  |        |         |          |           |     |        |
| 26-5    | K0151080002   | 8 nut with flange      | 20  |        |         |          |           |     |        |
| 26-6    | LM2700-1116ZD | stopper                | 10  |        |         |          |           |     |        |
| 26-7    | LM2700-1102Z0 | 26 grass catcher COMP  | 5   |        |         |          |           |     |        |
| 26-8    | K0021080202   | 8 bolt with flange 20  | 20  |        |         |          |           |     |        |
| 26-9    | K0000140252   | 14 bolt 25             | 10  |        |         |          |           |     |        |
|         | K0200140002   | 14S washer             | 10  |        |         |          |           |     |        |
|         | K5000140002   | 14 washer              | 10  |        |         |          |           |     |        |
|         | LM2700-1104Z2 | catcher pin 95         | 5   |        |         |          |           |     |        |
| 26-13   | LM2700-1105Z2 | catcher pin 75         | 5   |        |         |          |           |     |        |
|         |               |                        |     |        |         |          |           |     |        |
|         |               |                        |     |        |         |          |           |     |        |
|         |               |                        |     |        |         |          |           |     |        |
|         |               |                        |     |        |         |          |           |     |        |
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|         |               |                        |     |        |         |          |           |     |        |
|         |               |                        |     |        |         |          | <u> </u>  |     |        |



| Cat No. | Code No.      | Part Name                           | Qty | Remark |
|---------|---------------|-------------------------------------|-----|--------|
| 27-1    | LM2700-0197Z0 | left mower groomer Ass'y            | 3   |        |
| 27-2    | K4203000080   | ON OFF mark                         | 3   |        |
| 27-3    | K0151100002   | 10 nut with flange                  | 6   |        |
| 27-4    | K0160000032   | 10 receiving blade adjusting nut P1 | 6   |        |
| 27-5    | K5051010200   | 1C5191P metal washer 1020           | 6   |        |
| 27-6    | LM2700-0136Z2 | 10 rod receiver                     | 6   |        |
| 27-7    | K6206000052   | spring receiver                     | 12  |        |
| 27-8    | K1000000578   | 3.5 compession spring 2273          | 6   |        |
| 27-9    | LM535E-1335Z2 | pipe with cutter adjusting screw    | 6   |        |
| 27-10   | LM2700-0135Z2 | adjusting pipe                      | 6   |        |
| 27-11   | LM2700-0134Z2 | groomer adjusting bolt              | 6   |        |
| 27-12   | K0021080152   | 8 bolt with flange 15               | 6   |        |
| 27-13   | K5012308242   | 2.3SPCC metal washer 824            | 6   |        |
| 27-14   | LM2700-0132Z2 | groomer housing (L)                 | 3   |        |
| 27-15   | K144000030    | B-shaped grease nipple              | 6   |        |
| 27-16   | K0144100002   | 10U nut                             | 3   |        |
| 27-17   | K5012310252   | 2.3SPCC metal washer 1025           | 3   |        |
| 27-18   | K0402035001   | stop ring R35                       | 15  |        |
| 27-19   | K0822235080   | oil seal MHSA22358                  | 9   |        |
| 27-20   | K0737000070   | multi-purpose inner ring LRT172223  | 6   |        |
| 27-21   | K0600060030   | bearing 6003                        | 9   |        |
| 27-22   | K0737000060   | multi-purpose inner ring LRT172216  | 3   |        |
| 27-23   | K5370000312   | dustproof cover                     | 6   |        |
| 27-24   | LM2700-0189Z0 | groomer shaft Ass'y                 | 3   |        |
| 27-25   | K0108240002   | 24 nut 3P1.5                        | 12  |        |
| 27-26   | LM2700-0126Z2 | groomer shaft                       | 3   |        |
| 27-27   | K6214000020   | 28AC coller 4224.6                  | 72  |        |
| 27-28   | K2570000039   | 1.2-5 piece blade 85                | 69  |        |
| 27-29   | K0885080000   | O-ring S80                          | 3   |        |
| 27-30   | LM2700-0101Z0 | groomer case (R)                    | 3   |        |
| 27-31   | LM2700-0114Z8 | clutch lever (R)                    | 3   |        |
| 27-32   | K0880015000   | O-ring P15                          | 3   |        |
| 27-33   | LM2700-0129Z0 | groomer packing                     | 3   |        |
| 27-34   | LM2700-0131Z0 | 17STKM coller 227.4                 | 3   |        |
| 27-35   | K0500404180   | 4 both-end round key 418            | 3   |        |

| Cat No. | Code No.      | Part Name                                  | Qty | Remark |
|---------|---------------|--|-----|--------|
| 27-36   | LM2700-0112Z0 | 17 gear                                    | 3   |        |
| 27-37   | K0612060020   | bearing 60022RD                            | 3   |        |
| 27-38   | K0402032001   | stop ring R32                              | 3   |        |
| 27-39   | LM2700-0109Z0 | spline shaft                               | 3   |        |
| 27-40   | LM2700-0110Z0 | 18 clutch gear                             | 3   |        |
| 27-41   | K0403015001   | round stop ring S15                        | 3   |        |
| 27-42   | K0402028001   | stop ring R28                              | 3   |        |
| 27-43   | K0600006001   | bearing 6001                               | 3   |        |
| 27-44   | LM2700-0103Z0 | groomer cover (R)                          | 3   |        |
| 27-45   | K1500635000   | 6.35 steel ball                            | 3   |        |
| 27-46   | K1000000090   | 1 compression spring 618                   | 3   |        |
| 27-47   | K0922080000   | seal washer 8WF                            | 3   |        |
| 27-48   | K0021080102   | 8 bolt with flange 10 (1pc)                | 3   |        |
| 27-49   | K144000010    | grease nipple                              | 12  |        |
| 27-50   | K0000060252   | 6 bolt 25                                  | 24  |        |
| 27-51   | K0212060002   | 6 metal washer with conical disk spring 1L | 24  |        |
| 27-52   | K0885014000   | O-ring S14                                 | 9   |        |
| 27-53   | LM2700-0111Z0 | intermediate shaft                         | 9   |        |
| 27-54   | K5051013280   | 1C5191P metal washer 1328                  | 18  |        |
| 27-55   | K0701317120   | needle KT131712                            | 9   |        |
| 27-56   | K6186000030   | 18 gear                                    | 9   |        |
|         |               |  |     |        |
|         |               |  |     |        |



| Cat No. | Code No.      | Part Name                           | Qty | Remark |
|---------|---------------|-------------------------------------|-----|--------|
| 28-1    | LM2700-0199Z0 | right mower groomer Ass'y           | 2   |        |
| 28-2    | K4203000080   | ON OFF mark                         | 2   |        |
| 28-3    | K0151100002   | 10 nut with flange                  | 4   |        |
| 28-4    | K0160000032   | 10 receiving blade adjusting nut P1 | 4   |        |
| 28-5    | K5051010200   | 1C5191P metal washer 1020           | 4   |        |
| 28-6    | LM2700-0136Z2 | 10 rod receiver                     | 4   |        |
| 28-7    | K6206000052   | spring receiver                     | 8   |        |
| 28-8    | K1000000578   | 3.5 compression spring 2273         | 4   |        |
| 28-9    | LM535E-1335Z2 | pipe with cutter adjusting screw    | 4   |        |
| 28-10   | LM2700-0135Z2 | adjusting pipe                      | 4   |        |
| 28-11   | LM2700-0134Z2 | groomer adjusting bolt              | 4   |        |
| 28-12   | K0021080152   | 8 bolt with flange 15               | 4   |        |
| 28-13   | K5012308242   | 2.3SPCC metal washer 824            | 4   |        |
| 28-14   | LM2700-0133Z2 | groomer housing (R)                 | 2   |        |
| 28-15   | K144000030    | B-shaped grease nipple              | 4   |        |
| 28-16   | K0144100002   | 10U nut                             | 2   |        |
| 28-17   | K5012310252   | 2.3SPCC metal washer 1025           | 2   |        |
| 28-18   | K0402035001   | stop ring R35                       | 10  |        |
| 28-19   | K0822235080   | oil seal MHSA22358                  | 6   |        |
| 28-20   | K0737000070   | multi-purpose inner ring LRT172223  | 4   |        |
| 28-21   | K0600060030   | bearing 6003                        | 6   |        |
| 28-22   | K0737000060   | multi-purpose inner ring LRT172216  | 2   |        |
| 28-23   | K5370000312   | dustproof cover                     | 4   |        |
| 28-24   | LM2700-0189Z0 | groomer shaft Ass'y                 | 2   |        |
| 28-25   | K0108240002   | 24 nut 3P1.5                        | 8   |        |
| 28-26   | LM2700-0126Z2 | groomer shaft                       | 2   |        |
| 28-27   | K6214000020   | 28AC collar 4224.6                  | 48  |        |
| 28-28   | K2570000039   | 1.2-5 piece blade 85                | 46  |        |
| 28-29   | K0885080000   | O-ring S80                          | 2   |        |
| 28-30   | LM2700-0102Z0 | groomer case (L)                    | 2   |        |
| 28-31   | LM2700-0115Z8 | clutch lever (L)                    | 2   |        |
| 28-32   | K0880015000   | O-ring P15                          | 2   |        |
| 28-33   | LM2700-0129Z0 | groomer packing                     | 2   |        |
| 28-34   | LM2700-0131Z0 | 17STKM collar 227.4                 | 2   |        |
| 28-35   | K0500404180   | 4 both-end round key 418            | 2   |        |

| Cat No. | Code No.      | Part Name                                  | Qty | Remark |
|---------|---------------|--|-----|--------|
| 28-36   | LM2700-0112Z0 | 17 gear                                    | 2   |        |
| 28-37   | K0612060020   | bearing 60022RD                            | 2   |        |
| 28-38   | K0402032001   | stop ring R32                              | 2   |        |
| 28-39   | LM2700-0109Z0 | spline shaft                               | 2   |        |
| 28-40   | LM2700-0110Z0 | 18 clutch gear                             | 2   |        |
| 28-41   | K0403015001   | round stop ring S15                        | 2   |        |
| 28-42   | K0402028001   | stop ring R28                              | 2   |        |
| 28-43   | K0600006001   | bearing 6001                               | 2   |        |
| 28-44   | LM2700-0104Z0 | groomer cover (L)                          | 2   |        |
| 28-45   | K1500635000   | 6.35 steel ball                            | 2   |        |
| 28-46   | K1000000090   | 1 compression spring 618                   | 2   |        |
| 28-47   | K0922080000   | seal washer 8WF                            | 2   |        |
| 28-48   | K0021080102   | 8 bolt with flange 10 (1pc)                | 2   |        |
| 28-49   | K1440000010   | grease nipple                              | 8   |        |
| 28-50   | K0000060252   | 6 bolt 25                                  | 16  |        |
| 28-51   | K0212060002   | 6 metal washer with conical disk spring 1L | 16  |        |
| 28-52   | K0885014000   | O-ring S14                                 | 6   |        |
| 28-53   | LM2700-0111Z0 | intermediate shaft                         | 6   |        |
| 28-54   | K5051013280   | 1C5191P metal washer 1328                  | 12  |        |
| 28-55   | K0701317120   | needle KT131712                            | 6   |        |
| 28-56   | K6186000030   | 18 gear                                    | 6   |        |
|         |               |  |     |        |
|         |               |  |     |        |
|         |               |  |     |        |



## **CE Declaration of Conformity**

declare that : Kyoeisha Co., Ltd. of 1-26 Miyuki-cho, Toyokawa, Aichi-pref. 442-8530 Japan

Equipment Ride-on lawnmower

Model name / number BARONESS / LM2700

in accordance with the following Directives:

98/37/EC The Machinery Directive and its amending directives

2004/108/EC The Electromagnetic Compatibility Directive

has been designed and manufactured using the following specifications:

EN 292-1 Safety of machinery – Basic concepts, general principles for design –

Part 1 : Basic terminology, methodology

EN 292-2 Safety of machinery – Basic concepts, general principles for design –

Part 2: Technical principles and specifications

EN 836 Garden equipment - Powered lawnmowers - Safety

Name : Hiroyuki Tazawa

Signed:

Position: CS Promotion Dept. Manager

Date : April 7, 2008

## Manufacturer's Declaration of Conformity for

Product Identification

Product:

Brand:

Model / Type

Starting Serial No.

Measured Sound Power Level:

Guaranteed Sound Power Level:

LWA

104 104

10163 LM2700

LwA 101.42

dВ В

BARONESS

Ride-on lawnmower

Manufacturer

Name:

Kyoeisha Co., Ltd.

1–26 Miyuki–cho, Toyokawa, Aichi–pref.,

Japan

Adress:

Technical Documentation

Keeper's Name:

Keeper's Adress:

Japan

Kyoeisha Co., Ltd.

-26 Miyuki-cho, Toyokawa, Aichi-pref.

Conformity Assessment Procedure:

**Involved Notified Body** 

Name:

Adress:

Technical Construction File

Date:

Technical Construction File No.:

Test Laboratory

Technical Documentation and Periodical Checking (Annex VI) of 2000/14/EC Internal Control of Production with Assessment of

5230 Sandweiler

Route de Sandweiler

Luxembourg

March 27, 2008

No. TC2700-00 TUV Rheinland Luxemburg GmbH

2a, Kalchesbruck

-1852 Luxemburg

## Means of conformity

equipment for use outdoors 2000/14/EC, in accordance with Article 12 of the Directive. The product is in conformity with the Directive relating to the noise emission in the environment by

References of other Community Directives applied

98/37/EC and 2004/108/EC

Signature :

Hiroyuki Tazawa

Manager

CS Promotion Dept.

Kyoeisha Co., Ltd.

Date: April 7, 2008

