

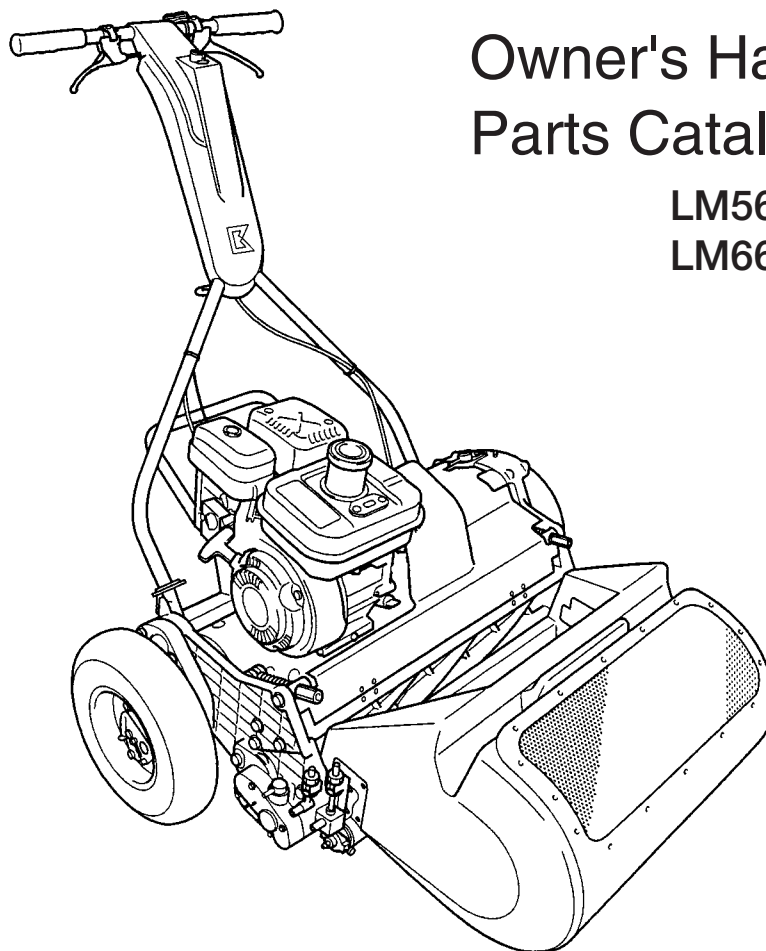
GREEN MOWER

LM56G

LM66T

BARONNESS

LAWN MOWER



Owner's Handling Manual &
Parts Catalogue (The first edition)









LM56G SN 12278 and onwards

LM66T SN 10108 and onwards

Read this manual before using the machine.

BARONNESS


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Warning for Safety

Warning marks indicate important items for safety.
Observe them strictly.

Warning Marks

 **DANGER** Negligence of the warning will cause death or serious injury.

 **WARNING** Negligence of the warning may cause death or serious injury.

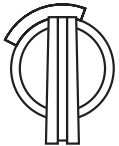
 **CAUTION** Negligence of the warning may cause injury or property damage.



See the Handling Manual



Danger mark
Hand cut



Engine switch lever



Danger mark
Foot cut



Fuel : Gasoline



Grease
Every 10hours



Hot surface
Burn on hand



CAUTION : Joint shaft

Greeting

Thank you very much for purchasing BARONESS GREEN MOWER.

This Owner's Handling Manual explains the method of correct handling, adjustment, and maintenance of the mower. Thoroughly read the manual before operation. Carefully read the engine operation manual before starting the engine. Mowers undergo thoroughgoing trial operation and inspection before shipment. However, whether or not the mower can exhibit the expected performance depends on the handling method, inspection/adjustment before and after operation, and the properness of lubrication. Handle the mower correctly for safe and excellent operation for an extended period of time.

Owner's Handling Manual

Precautions:

- The name of the model may be different when you make an inquiry about your machine. Advise us of the machine number as well.
- The contents of this manual are subject to change without notice.

 **CAUTION**

The warning marks attached to the machine indicate precautions for safety. Read them carefully. Understand well the operating procedures and safety precautions before using the machine. The marks and explanatory notes should be kept clean. If they are lost or damaged, attach new marks. Never remove the warning marks attached to the machine.

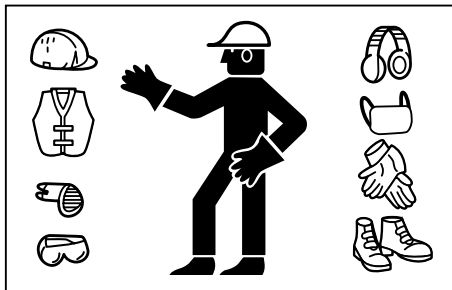
Safety precautions

The lawn mower has a rotating blade reel cylinder (sharp blade), and the safety of operation is subject to the place of use, obstacles, lawn conditions, and many other factors. As a maker, we specifically request the user to thoroughly inspect and maintain the machine, make efforts to become skilful in operating the machine, and correctly and safely use the machine in order to avoid injury on yourself and others.

1) Clothes for safety

⚠ CAUTION

- Wear clothes that will prevent you from being caught in the machine, and wear safety gear, goggles, shoes, helmet, and gloves. It is strongly advised that the operators of this machine wear both goggles and ear defenders for their protection.



2) Emergency relief measures

⚠ CAUTION

- Understand the method of stopping the engine in an emergency.

3) Do not operate the machine in such cases.

⚠ WARNING

- Do not operate the machine when you are tired. If you get tired during machine operation, stop the work and take a rest.
- Do not use the machine when you are sick, drunk, or under the influence of medicine. The visual sensation, nimbleness, or judgment will be adversely affected.
- If you are unaccustomed to the machine operation, thoroughly understand the handling method and safety precautions before use. Do not allow children to operate the machine.

4) When lending the machine to other people

⚠ CAUTION

If you lend the machine to a person who has no knowledge about the safety precautions or handling procedure described in the operation manual, an unexpected accident may result. Thoroughly explain the handling method and hand over the operation manual to the person who will use the machine, having him or her carefully read the operation manual before use.

5) Prohibition of operation or work at night

⚠ WARNING

Do not operate the machine at night or when the view is unclear because of bad weather.

6) Safety inspection before work

⚠ DANGER



- Check that all covers are in position and that no portion is broken.
- Check that bolts and nuts are not loose. If they are loose, tighten them.



- Check that the operation of the brake, levers, and tires is normal.

7) Precautions to take during operation

DANGER



- Check that there is no person or any object that may be broken around the machine during operation.
- Check that there is no player in the vicinity, otherwise a flying golf ball may hit against you.
- Exercise adequate care so that you will not get injured by flying objects or the blade.

CAUTION

- Exercise special care when working on a slope or undulating ground. The inclination of the machine should not exceed 25 degrees.
- Do not operate the machine in places where there is a risk of toppling or slipping.

DANGER



- Do not touch rotating parts during operation, otherwise you may have your fingers or hands injured.
- Operate the machine at a speed that will allow the machine to stop immediately in an emergency. Do not start the machine or operate the handle suddenly. Be sure to move the machine at a slow speed especially when descending a slope.
- Do not move the throttle lever abruptly to increase the speed, otherwise the front of the machine may jump up.
- When you notice abnormal vibration, unusual sound, or other abnormality in the machine, stop the engine immediately and investigate the cause. Completely repair the machine before reuse.

DANGER

- When leaving the machine, stop the machine on the level ground and then stop the engine.

8) Precautions as to inspection

CAUTION

- Place the machine on the level ground for inspection and repair. Check that all parts are at rest.
- Clogging of the cooling air intake of the engine, air intake of the air cleaner, muffler, and exhaust pipe with mown grass or other foreign substances may cause fire due to engine malfunction or overheating. Stop the work immediately, and remove the clogging substance after the overheated section has cooled.
- Keep the warning marks and explanations clean at all times. Replace them with new ones immediately when they are lost or damaged.
- Do not remodel the machine.
- Use parts, oil, and grease specified by our company when changing them.
- Remodeling or operation of the machine with some parts that are not specified by our company may cause damage to the machine or injury.

WARNING

9) Moving on a public road

CAUTION

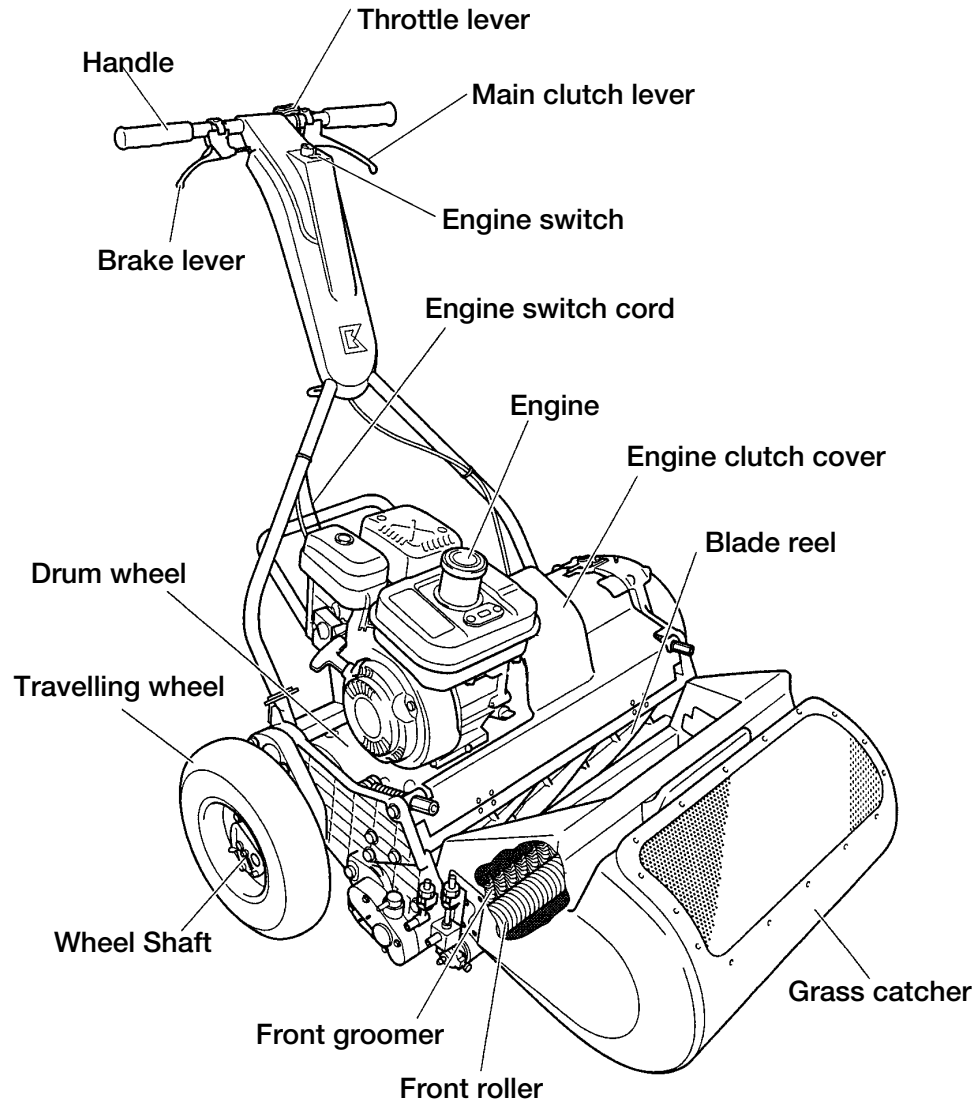
- Running the machine on a public road while you are riding on a sully is prohibited by the law. Walk and move the machine on a public road.

10) Storage

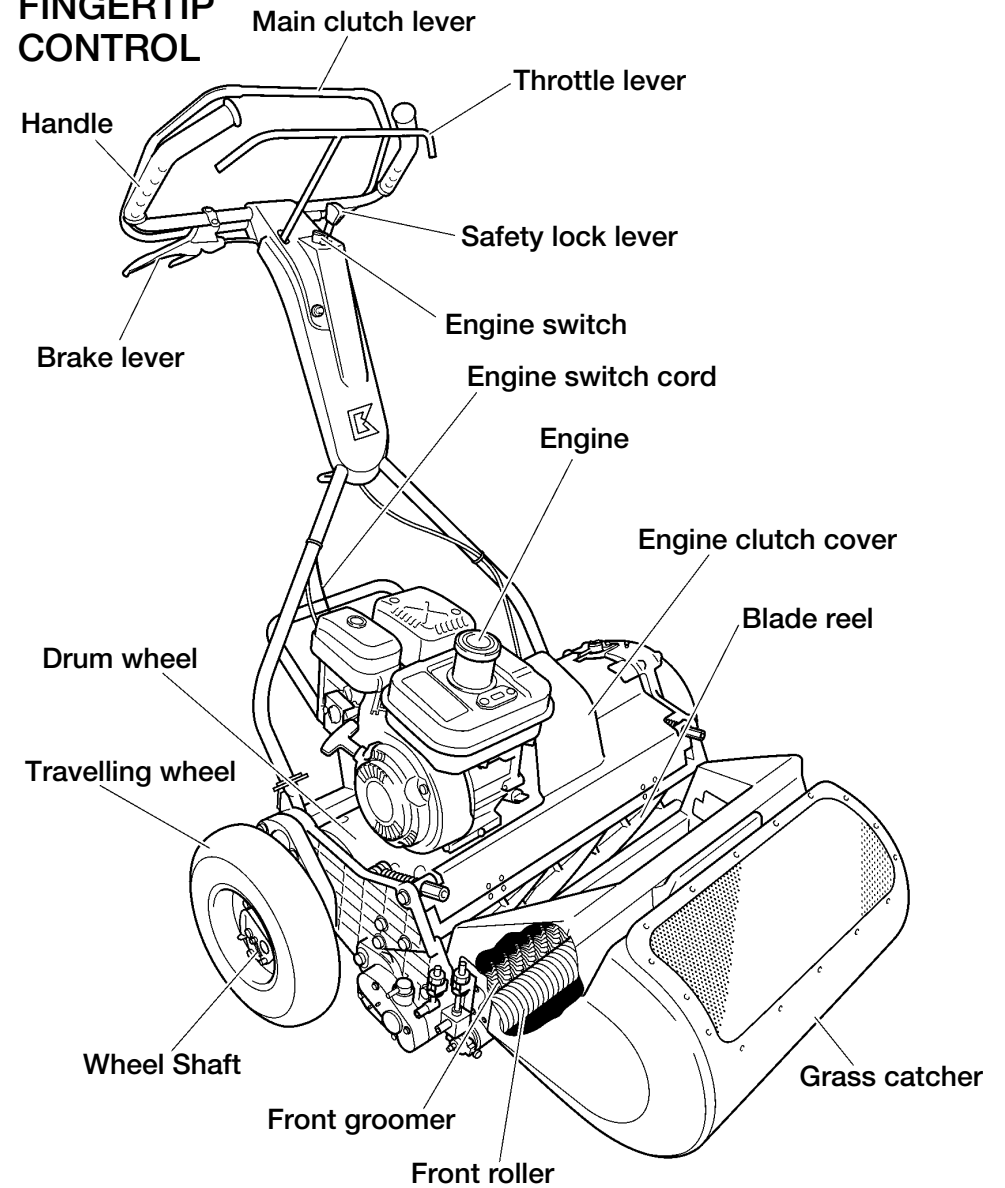
- Wait until the engine cools when covering the machine with a sheet, etc.
- Remove gasoline when the machine will not be operated for more than six months.

Part names

STANDARD CONTROL



FINGERTIP CONTROL



Features of LM56G · 66G · 66T

- The lightest green mower of all models of this class
- The weight balance and undulation following performance have been improved for better green mowing.
- The newly-designed handle improves the operability, lessening the operator's fatigue.
- The structure of the clutch has been changed for smooth starting.
- LM56GF · 66GF are equipped with Front Groomer. (The models contain all the parts of Groomer Portion and Roller Brackets for the models shown in the attached Parts Catalogue.)
- The front groomer is provided to permit normal and reverse rotation. (Provided with a groomer.)

Specifications

Model	LM56G (GF)	LM66G (GF)	LM66T	
Length (with grass catcher)	150cm			
Width (without travelling wheel)	94.2cm	103.2cm		
Height (handle)	103cm			
Weight	Main unit (without catcher and wheel)	81kg (85kg)	87kg (91kg)	86kg
	Grass catcher	3.3kg	3.6kg	
	Travelling wheels (2 pcs)	6.9kg		
	Mowing width	55.6cm	64.6cm	
Mowing section	Reel diameter	φ 12.8cm		
	Number of reel blades	9 or 11 blades		7 blades
	Mowing height	3.0~29mm (3.0~27mm)		7.0~29mm
Engine	Robin EX13D 3.2kw (4.3ps) /4000rpm			
Speed (Km/h)	4.8km/h (3000rpm)		4.4km/h (3000rpm)	

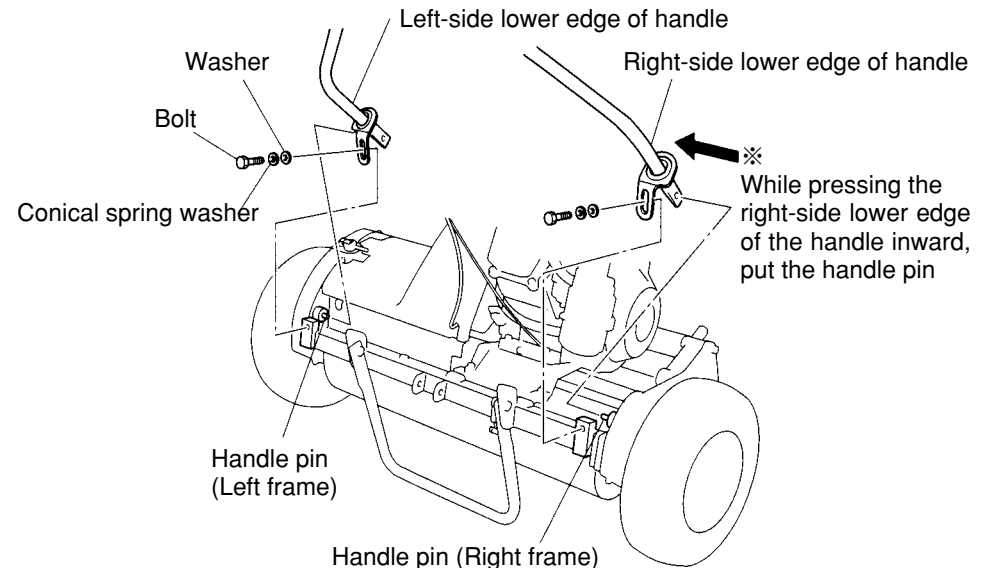
	Front groomer		Dethatching reel		Dethatching brush	
	Working width	Number of blades	Working width	Number of blades	Working width	Turning diameter
	(cm)		(cm)		(cm)	(cm)
LM56 Series	51	78	50	39	49	6
LM66 Series	60	92	60	46	57	6

Handling

1. Assembly and adjustment of main unit

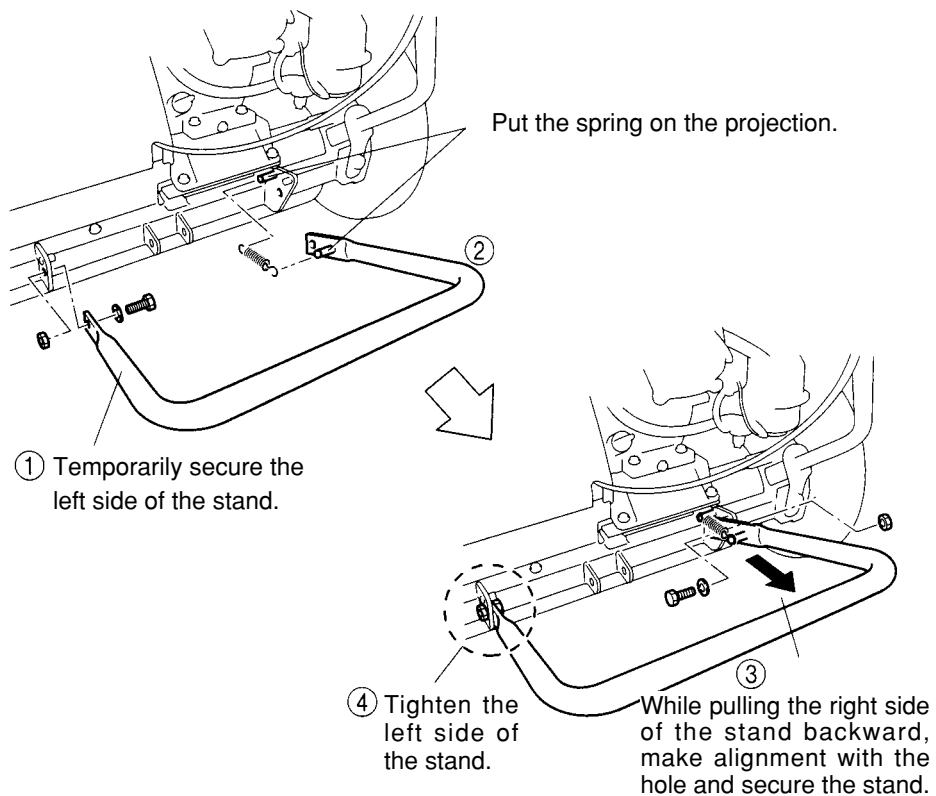
1-1 Installing the handle

- 1) Put the handle pin on the left frame into the hole at the left-side lower edge of the handle.
- 2) While pressing the right-side lower edge of the handle inward, put the handle pin of the right frame into the hole.
- 3) Secure the lower edge (slotted section) of the right and left handles to the frame from the back with the bolt, conical spring washer, and washer.



1-2 Installing the stand

- 1) Temporarily secure the left side of the stand to the frame with the bolt, washer (inside), and nut (outside).
- 2) Put the spring on the projection of the frame and the projection at the right edge of the stand.
- 3) While pulling the right side of the stand backward, make alignment with the hole in the frame, and secure the stand with the bolt, washer (inside), and nut (outside).
- 4) Tighten the bolt, washer, and nut at the left side of the stand that were temporarily secured.



1-3 Confirmation of the operation of clutch lever and brake lever

Check that the clutch and brake operate completely.

When adjustment is necessary, make adjustment according to "5-8. [Important] Adjustment of engine clutch section."

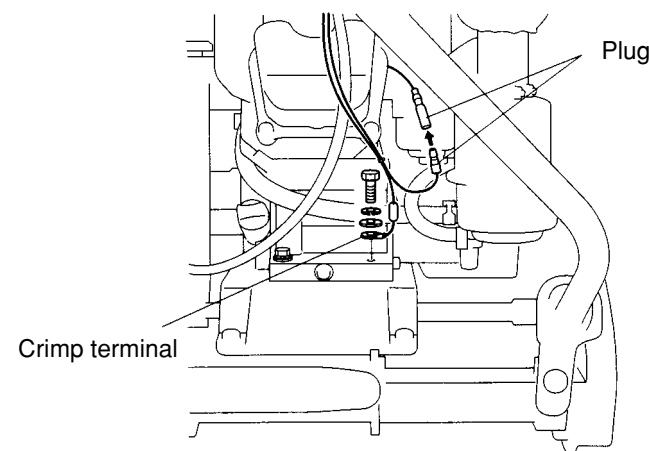
1-4 Connection of engine switch cord

When assembling the handle, check the connection of the engine switch cord. There are two connections - plug and crimp terminal.

- 1) The plug is connected to the plug that is connected to the engine.

⚠ WARNING

- 2) The crimp terminal is secured to the engine crankcase with a hexagon bolt. When the connection of the engine switch cord is incomplete, the engine will not stop even if the engine switch is operated. Check that the cord is correctly connected.



2. Inspection before use

2-1 Greasing



10h

The transmission and intermediate transmission gears are equipped with needle bearings. Grease them every 10 hours. Shortage of grease will cause damage to the needle bearings.

2-2 Inspection of engine oil

Replenish the engine with engine oil. (A correct level will be shown when the engine is placed horizontally.) Change engine oil 8 hours after the initial operation, and every 50 hours from the second time onward. Oil : SAE30.

2-3 Inspection of wire

Check that the clutch wire and brake wire are normal.

3. Fastening of each portion

Many parts are fastened by bolts. Bolts and nuts may be loosened some time after initial operation. Fasten them to the specified torque.

Appropriate fastening torque N.m (kgf-cm)

	Normal bolt	Heat treated bolt
M6	8 (80)	
M8	18 (180)	36 (360)
M10	36 (360)	72 (720)
M16	1.5-pitch left-hand thread: 36 (360)	

4. Engine starting sequence

4-1 WARNING Before starting engine

Carefully read the gasoline engine operation manual before starting the engine. The handle cover is equipped with an engine switch. Check the "ON/OFF" positions. Set the engine switch lever in the ON position, set all moving parts in the neutral position. Check for safety - covers are in position and not damaged and there is no person around the machine - before starting the engine. Do not start the engine indoors without an appropriate ventilator.

4-2




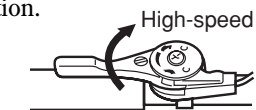
Starting the engine

Standard Control

1) Do not grip the main clutch lever.



2) Set the throttle lever in the high-speed  position.



3) Set the engine switch in the ON position.



4) Set the strainer lever in the open position.

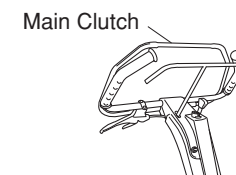


5) Pull the choke lever and pull the recoil starter, and the engine will start.

6) Return the choke lever.

Fingertip Control

1) Do not grip the main clutch lever.



2) Set the engine switch in the ON position.



3) Set the strainer lever in the open position.



4) Pull the choke lever and pull the recoil starter, and the engine will start.

5) Return the choke lever.

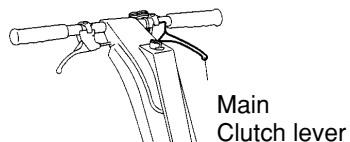
4-3

**Stopping the engine**

※Remember the method for stopping the engine in an emergency.

Standard Control

1) Do not grip the main clutch lever.



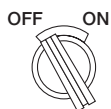
2) Set the throttle lever in the low-speed position.



3) Set the strainer lever in the close position.



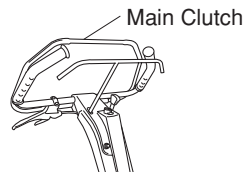
4) Set the engine switch in the OFF position.



5) Set the engine lever in the OFF position immediately in an emergency.

Fingertip Control

1) Do not grip the main clutch lever.



2) Set the strainer lever in the close position.



3) Set the engine switch in the OFF position.



4) Set the engine lever in the OFF position immediately in an emergency.

4-4

**Fuel supply**

- Keep flame etc. away from the engine when supplying fuel. Stop the engine outdoors and allow it to cool before supplying fuel.
- Keep the machine clean at all times to prevent deposition of dust, grease, or oil.

4-5

**When leaving the machine**

- Park the machine on a flat place.
- Check that the engine has stopped and the engine switch lever is "OFF."
- Do not park the machine on a slope.

5. Machine operation

5-1

**Before operation**

- Check that each portion - especially the brake and clutch - operates satisfactorily before starting machine operation.
- Make sure that the machine can be stopped immediately at any time.
- Exercise care so that you and people around the machine will not be injured.

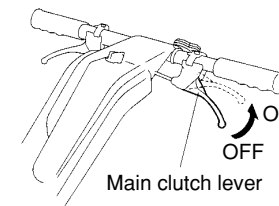
5-2

Main clutch lever**Standard Control**

The clutch lever is on the left side of the handle.

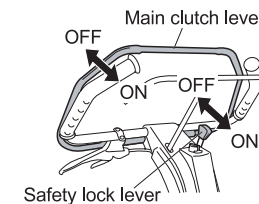
Avoid quick operation. Carefully and slowly operate the machine.

※ Grip the lever, and the travelling drive is turned "ON" and the machine begins to move forward.

**Fingertip Control**

Avoid quick operation. Carefully and slowly operate the machine.

※ Grip the clutch, and the travelling drive is turned "ON" and the machine begins to move forward.



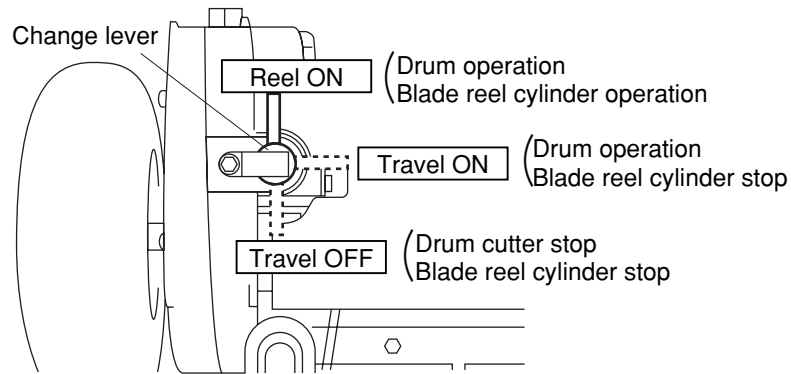
5-3 Change lever

The change lever is at the top of the left frame.

There are three changeover positions. When the lever is in the "Reel ON" position, the drum and cutter operate, entering the mowing mode.

When the lever is in the "Travel ON" position, only the drum operates, entering the traveling mode.

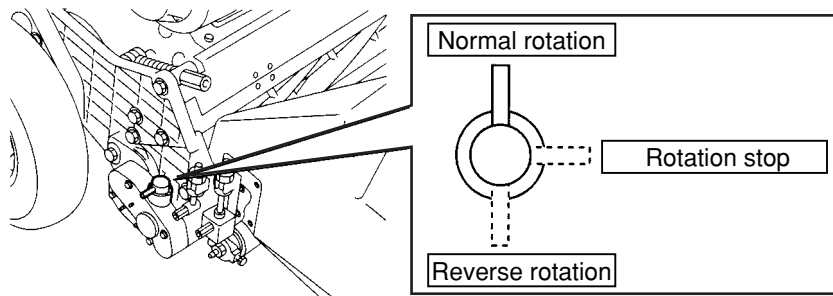
When the lever is on the "Travel OFF" position, both drum and cutter stop, entering the traveling mode with the engine stopped.



5-4 Groomer clutch lever

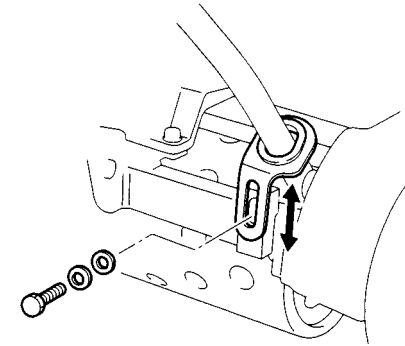
The lever is at the top of the groomer gear case on the outside of the right frame.

There are three changeover positions - "Normal rotation" (in the same direction as the rotating direction of the blade reel cylinder), "Rotation stop," and "Reverse rotation" (in the direction opposite to the direction of rotation of the blade reel cylinder). Change the positions according to the type of work.



5-5 Adjustment of handle height

Move the securing bolt up and down in the slot of the handle guide, which is securing the handle to the frame, in order to adjust the height of the handle according to the operator's working position.



5-6 **⚠ WARNING** Brake lever

The lever is in the right-side grip section of the handle. Grip the lever, and the internal expanding brake set in the second shaft section will operate.

The strength can be adjusted by the screw.

5-7 Throttle lever

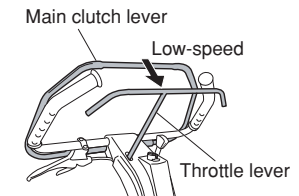
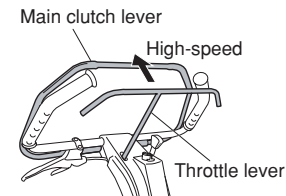
Standard Control

The throttle lever is on the left side of the handle. The lever controls the engine speed. The speed of rotation is 1,400 - 3,400 rpm.

Operate at about 3,000 rpm.

Fingertip Control

The throttle controls the engine speed. The speed of rotation is 1,400 - 3,400 rpm. Operate at about 3,000 rpm .



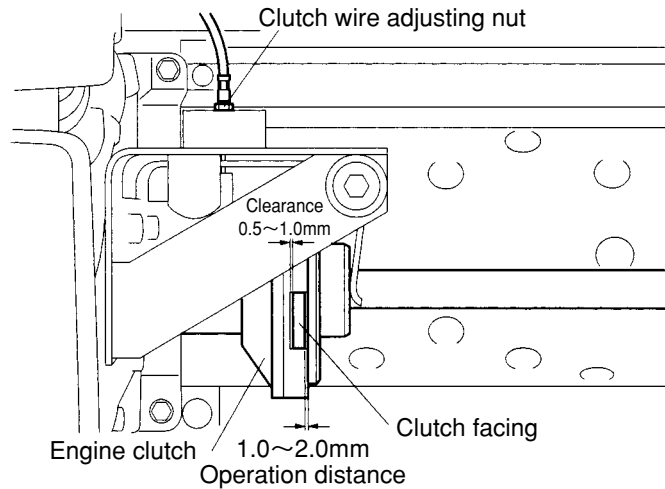
5-8 [IMPORTANT] Adjustment of engine clutch

《When reinstalling the engine》

Adjust the clearance between the engine clutch and clutch facing so that it will be approx. 0.5 to 1 mm when the travelling clutch is engaged. For adjustment, loosen the four bolts that are securing the engine, and insert a thickness gauge (attached) into the front and rear. Make adjustment so that the gap will be parallel, and then fasten the bolts.

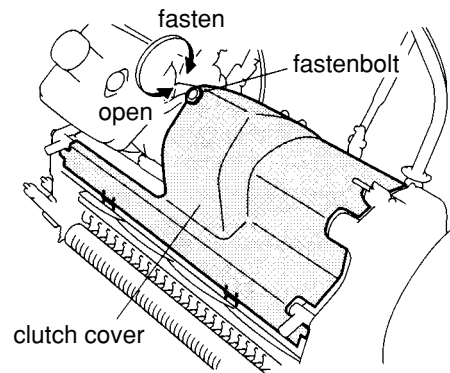
《When adjusting the clutch wire》

Make adjustment so that the operation distance of the clutch plate between the clutch engagement and disengagement will be 0.8-1 mm.



5-9 Clutch cover

The clutch cover is on the left side of the engine, covering the engine clutch. It is secured by turning the fastenbolt clockwise (by 4-5 turns).

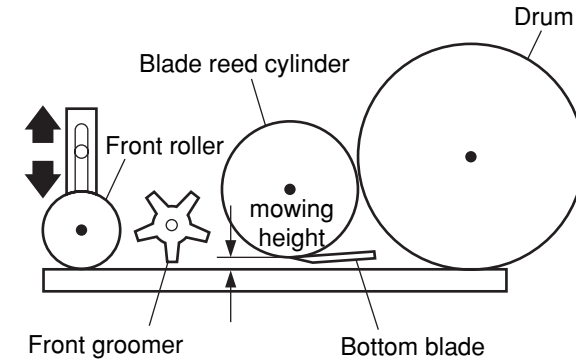


5-10 Travelling wheel

The travelling wheel is used to move the machine from green to green. Set the stand up right, pull the tire holding the lever, and the wheel will come off.
 ※tire air pressure 120kPa (1.2kg/cm²)

5-11 [IMPORTANT] Adjustment of mowing height

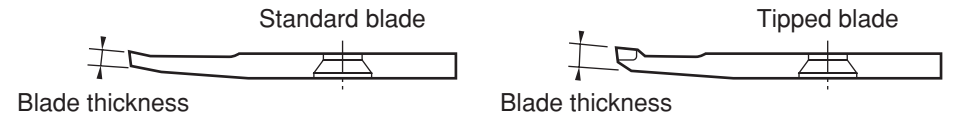
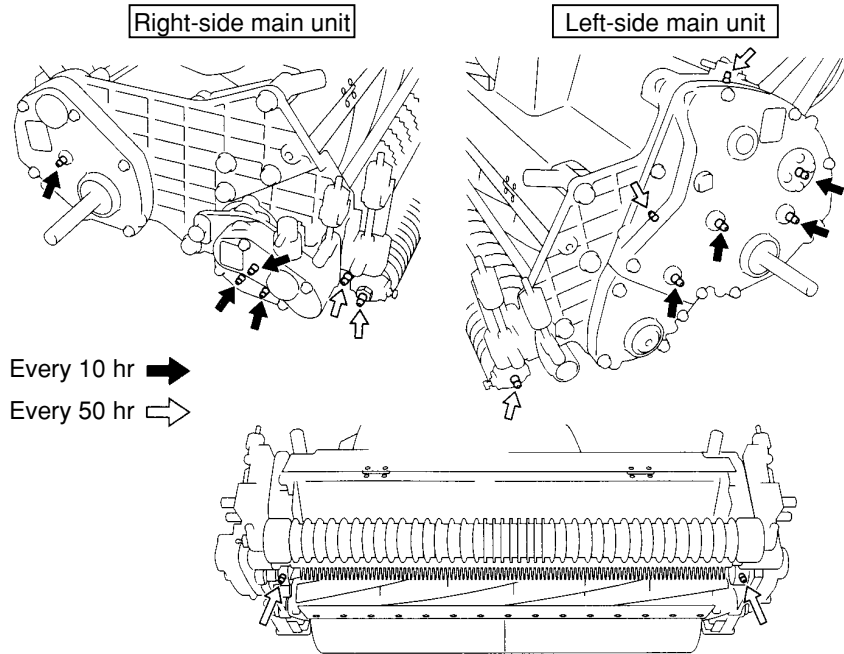
Move the front roller up or down, and the mowing height can be adjusted to a maximum of 27 mm. Use an optional bottom blade when 3 m/m mowingheight is desired.



5-12 [IMPORTANT] Greasing

Periodically fill up respective grease nipples.
 Exercise special care when greasing the sections where needle bearings are used. (Intermediate shaft of the right and left gears and the intermediate shaft of the groomer)
 Periodically fill up the grease nipples with approx. 1 g of grease (EXCELITE EP No.2) (one or two times with a compact manual grease pump).

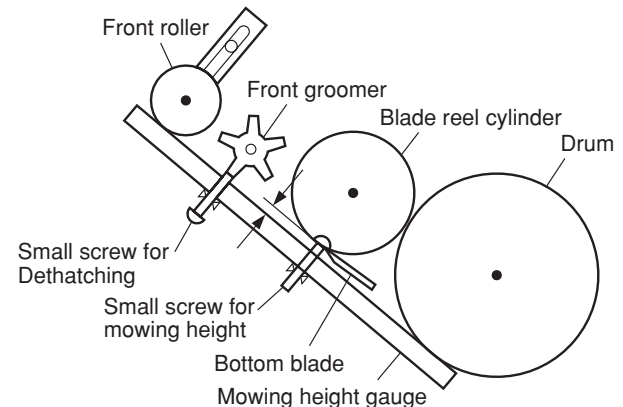
Every 10 hr →	Every 50 hr ⇨
Left frame intermediate shaft (for Reel)	Left gear cover
Right & left frame intermediate shaft (for Drum)	Reel bearing
Differential gear parts	Front roller
Vertical gear case intermediate shaft	Vertical gear case



※ The minimum mowing height is the height on the average condition green. Lawn may be shaved when the undulation of the green is substantial. Set the mowing height higher in that case.

- 2) Adjust the front groomer according to the condition of the green before use.
 - ※ If the groomer blades are set deeper than the ground surface, the shaft may bend.
 - ※ The front groomer, when it is put too low, will apply an excessive load to the engine and transmission section, causing malfunction or failure.
- 3) When using the grooming brush, adjust the height so that it will be equal to the mowing height.
 - ※ The brush will be worn easily when the height is too low.

- 4) **[IMPORTANT] Adjustment of front roller height**
 Bring the mowing height gauge into contact with the front roller and drum (as shown below), and adjust the height of the bottom blade.
 - a. Loosen the tall nut of the roller bracket, and move the front roller up or down with roller adjuster.
 - b. Position the front roller with the mowing height gauge.
 - c. Make adjustment at both edges.
 - d. Tighten the tall nut, and secure the roller bracket.



5-13 Setting the mowing height gauge and blade thickness

1) Set the mowing height gauge at the desired height. The minimum mowing height with respect to each bottom blade thickness is shown below.

	Type of blade	Blade thickness (mm)	Min.mowing height(mm)	Code No.	Part Name	Note
LM56G	Standard blade	1.5	3.0	K2511000270	1.5 bottom blade 55G	Option
		2	3.5	K2511000280	2 bottom blade 55G	
		2.5	4.0	K2511000050	2.5 bottom blade 55G	
	Tipped blade	3	4.5	K2510000060	3 bottom blade 62.5-559	standard
5		7.0	K2510000160	5 bottom blade 62.5-559		
LM66G	Standard blade	1.5	3.0	K2511000310	1.5 bottom blade 65G	Option
		2	3.5	K2511000300	2 bottom blade 65G	
		2.5	4.0	K2511000200	2.5 bottom blade 65G	
	Tipped blade	3	4.5	K2510000150	3 bottom blade 62.5-648.4	
		5	7.0	K2510000170	5 bottom blade 62.5-648.4	Option

6. Blade engagement

Check that the engine is at rest before making adjustment.

Grind and adjust the blade reel cylinder and bottom blade entirely so that a newspaper will be cut sharply.

6-1 [IMPORTANT] Lapping

Conduct lapping after mowing operation (before adjusting the engagement).

- 1) Check the entire portion of the blade reel cylinder to check which portion is dull. (If a newspaper cannot be cut in any portion, put in two sheets of paper to carefully check which portion is dull.)
- 2) Connect the lapping machine (RM20A) or lapping bolt (option) to the lapping shaft of the mower.
- 3) Rotate the blade reel cylinder in the direction opposite to the mowing direction, and apply abrasive with a brush only to the portion where a newspaper was sharply cut. The portion where a newspaper was not cut is worn away. Do not apply abrasive to such portions.
 - ※The right side (when viewed from the front of the blade reel cylinder) of the blade reel cylinder will be worn away 3-4 times earlier than the left side. When applying abrasive to the blade reel cylinder, be sure to move the brush from left to right. (See right sketch) When the abrasive is a mixture of powder (#200~#400) and oil, mix them at the rate of 1:3 to 4. The gel compound (option) can be used as it is.
- 4) Keep rotating the blade reel cylinder, and stop rotation when the contact sound disappears. Put in a newspaper again to check the blade reel cylinder entirely for the sharpness of each portion.
- 5) Repeat operations (3) and (4). When the blade reel cylinder and bottom blade are in contact with each other uniformly, apply abrasive to the blade reel cylinder entirely for final lapping.
- 6) After lapping, remove the abrasive with steam, etc.

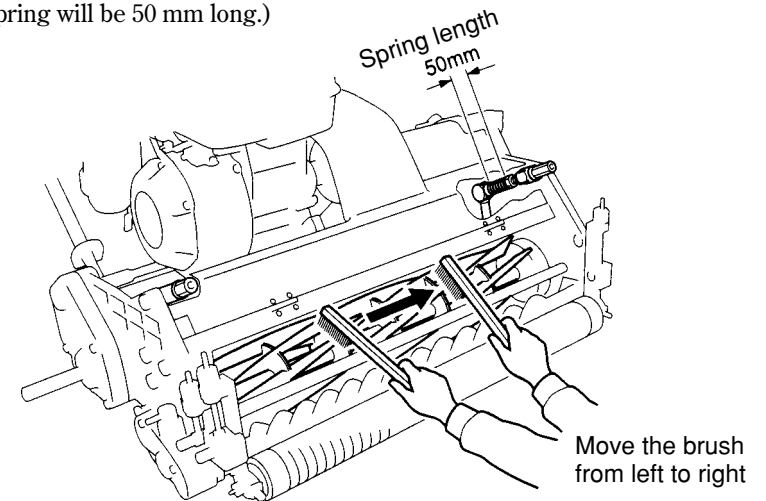
CAUTION

Both blade reel cylinder and bottom blade are edged. Handle them carefully.

Be careful of the fingers, which turn the blade reel cylinder, when cutting a newspaper to check sharpness. Uniformly lap the right and left sides of the bottom blade in contact with the blade reel cylinder, and the life of the blade will be maximized.

6-2 [IMPORTANT] Engagement

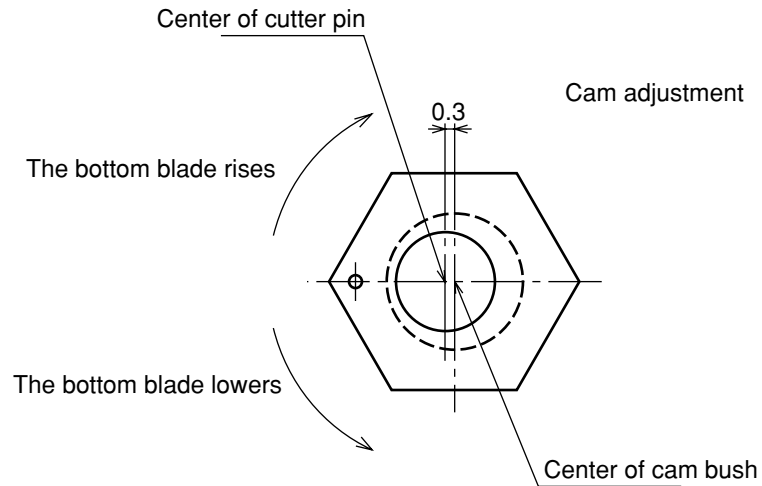
- 1) Lightly engage the blade reel cylinder and bottom blade uniformly on both sides.
- 2) Uniformly adjust the bottom blade on the right and left sides.
 - Turn the blade adjusting nut (1-1) clockwise for slight engagement, and turn it counterclockwise for firm engagement.
- 3) Lightly engage both sides to the extent that a newspaper will be cut sharply.
 - When the blade reel cylinder is worn and the spring pressure decreases, adjust the spring pressure by the spring adjusting screw (1-6) and 14 nut (1-7). (Make adjustment so that the spring will be 50 mm long.)



6-3 [IMPORTANT] Cam adjustment

Turn the cam bush on both sides of the bottom blade, and the blade will be raised and lowered within a maximum range of 0.3 mm. The above method is used when the edges of the blade reel cylinder and bottom blade are not in parallel.

- 1) When there is a gap between the blade reel cylinder and the left frame side of the bottom blade loosen the lock nut, and turn the left cam bush clockwise as much as the gap. Turn it clockwise by 30° to raise the bottom blade by 0.1 mm. After adjustment, firmly fasten the lock nut.
- 2) When there is a gap on the right frame side, loosen the lock nut, and turn the right cam bush counterclockwise as much as the gap.



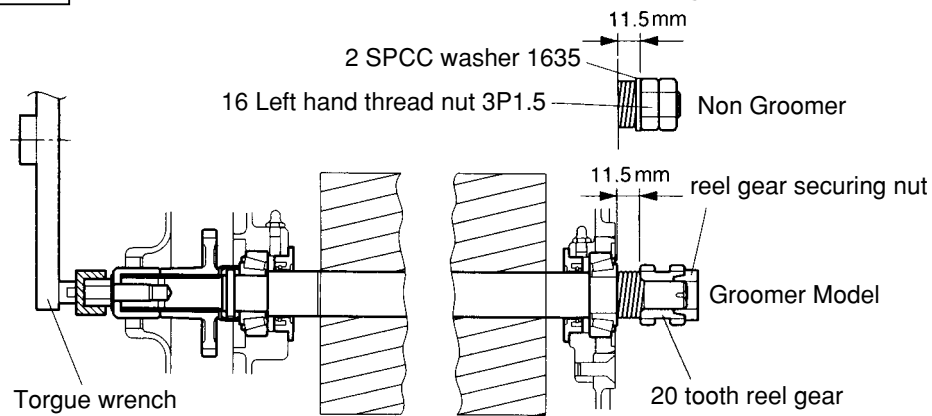
- 1) Replace the bearings and reel shaft seals on both sides of the blade reel cylinder. Use the bearing 30204JRP6 that has the smallest error.
- 2) Sufficiently apply grease (EXCELITE EPNO2) to the bearing and seal. (Apply grease to the bearing while turning the roller.)
- 3) Method to fasten nut after installing the blade reel cylinder

[IMPORTANT] Tighten the nut until the length of the spring reaches 11.5 mm, and lock the nut. A certain preload will be applied by the spring pressure. The rotational torque of the blade reel cylinder should be $0.8 \sim 1.0 \text{ N} \cdot \text{m}$ ($8 \sim 10 \text{ kgf} \cdot \text{cm}$). If it is not, check the bearing and seal.

6-4 Cylindrical grinding and installation of blade reel cylinder

Cylindrically grind the blade reel cylinder when it is worn away and has become conical. (Ask the dealer you purchased the machine from for cylindrical grinding.)

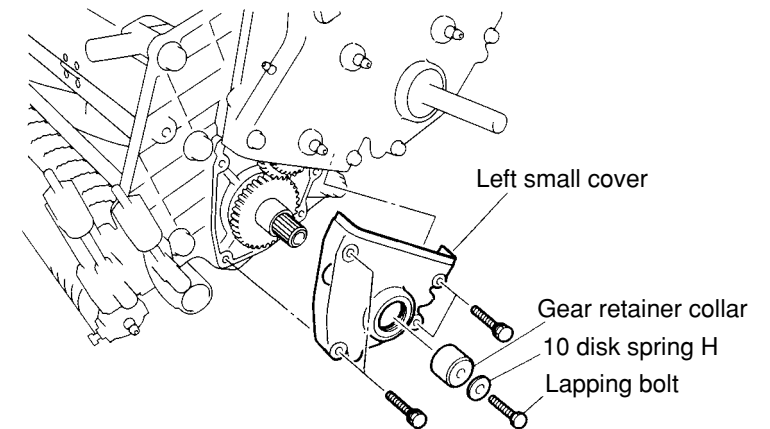
6-5 [IMPORTANT] Installation of blade reel cylinder



6-6 Attaching/detaching the small cover

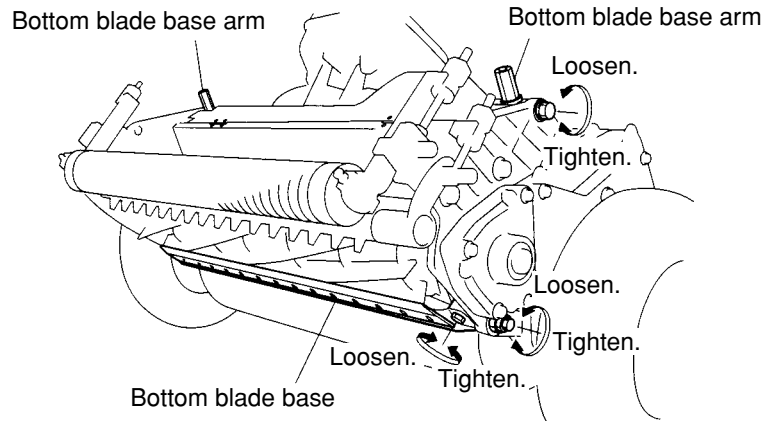
Remove the lapping bolt and the gear retainer collar in this order, and then remove the left small cover.

Attach the left small cover, and then attach the gear retainer collar and lapping bolt in this order. (Attach the left small cover so that the reel cutter shaft will be at the center of the oil seal of the left small cover.)

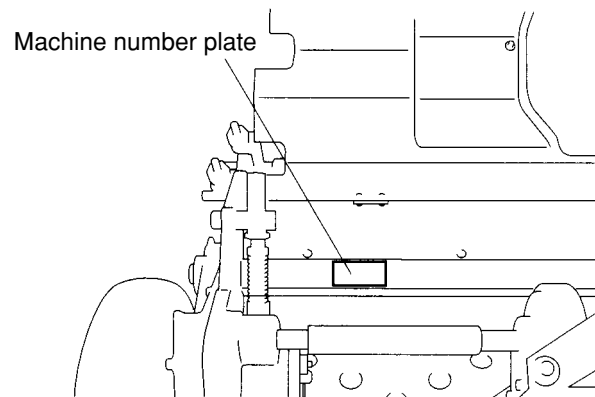


6-7 Attaching/detaching the bottom blade base

Remove the bottom blade base arm, and then remove the bottom blade base.
Attach the bottom blade base, and then attach the bottom blade base arm.

**6-8 Machine number plate attaching position**

The type and serial number are marked on the machine number plate.
It is attached to the upper portion on the left side of the front frame stay.

**6-9 Specification for maintenance**

Qty of engine oil	0.6dm ³ (0.6L)
Plug	NGK BR4HS
Capacity of gasoline tank	2.5dm ³ (2.5L)
Tire air pressure	120kpa (1.2kg/cm ²)
Engine speed	1400~3400rpm

6-10 Position of mower during maintenance

If the mower handle is left leaned on the ground for a long time during maintenance, engine oil may enter the engine combustion chamber and cause the engine to run improperly.

Be careful not to keep this position long.

7.Long-term storage

- 1) For the engine, refer to the engine operation manual.
- 2) Cylindrically grind the blade reel cylinder every six months.
- 3) Replace the bearing (30204JRP6) and seal on both sides of the blade reel cylinder every season. (Replace them even if they have not been used for many hours.)
- 4) Clean the machine, and apply grease or oil to respective sliding sections.

8. Precautions for engine operation

For the engine, refer to the engine operation manual.



- 1) Use gasoline for automobiles as the fuel of the engine.
- 2) Completely change engine oil when the machine has been used for eight hours after the initial operation, because the machine is used under tough conditions with vibration and dust, and change oil every 50 hours after that. The quantity of engine oil is 0.6 dm³ (0.6L). Use SAE30.
- 3) Always cover the suction port of the air cleaner with a cleaner cover bag during operation. Be sure to clean the air cleaner element before using the machine.

 DANGER




- 4) Fire is strictly prohibited during fuel supply. Be careful of a lit cigarette. Replenish the fuel tank outdoors after the stopped engine has been cooled. Wipe off the spilt fuel completely.
- 5) Do not start the engine in a building without a proper ventilator.

 CAUTION



- 6) The muffler and the area around the exhaust port of the muffler will become hot. Do not bring gasoline, matches, dry grass, or other inflammables near hot portions.

 CAUTION

- 7) Inspection before operation
Check the joint of fuel pipe, etc. for looseness or damage. Check bolts and nuts in respective sections for looseness.

 CAUTION

- 8) Wear appropriate clothes. An apron, towel on the belt, long string, etc. will cause you to be caught in rotating parts.

- 9) When the machine is to be stored for a long time exceeding 5 months, remove gasoline from the engine.

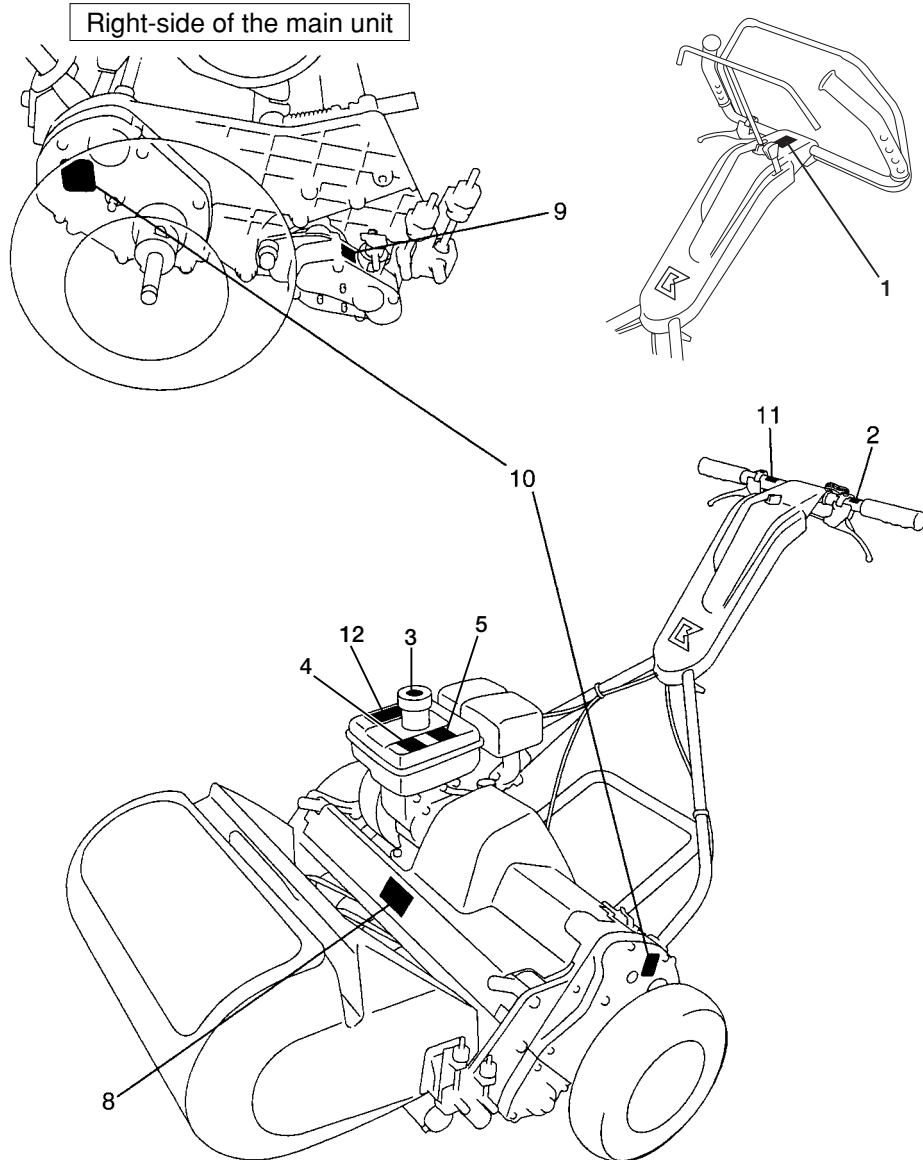
10) Engine maintenance schedule

To keep the engine in satisfactory status at all times, be sure to conduct maintenance and inspection according to the following table:

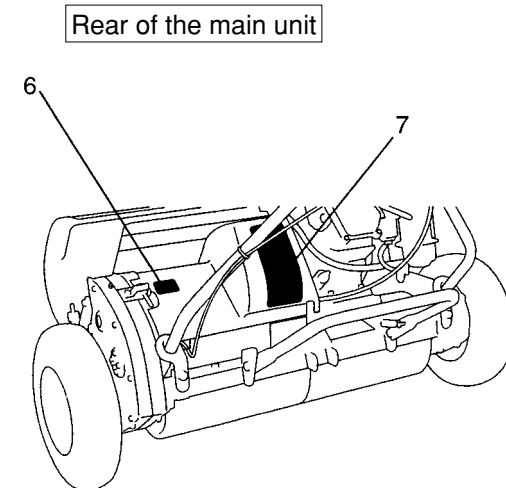
9. Maintenance Schedule

Engine				
Maintenance	Before use	Every 8hr	Every 10hr	Every 50hr
Cleaning of each part/inspection of tightening	○			
Inspection and addition of fuel	○			
Inspection and cleaning of air cleaner	○			
Inspection and addition of engine oil	○			
Engine oil change		only after the initial operation		○
Main unit				
Maintenance		Every 8hr	Every 10hr	Every 50hr
Inspection and cleaning of recoil starter dust proofing net	○			
Cleaning of each part/inspection of tightening	○			
Inspection and adjustment of blade engagement	○			
Inspection and adjustment of mowing height	○			
Greasing and oiling			○	○
Removal of mown grass and dust	○			

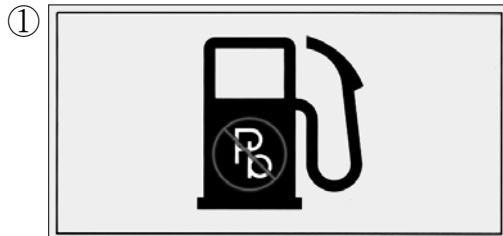
Location of Labels for LM56G and LM66T



	Code No.	Part Name	Qty /Unit
1	K 4 2 0 5 0 0 1 6 1 0	Operator Warning label	1
2	K 4 2 0 3 0 0 1 0 4 0	Clutch Mark	1
3	K 4 2 0 5 0 0 1 3 0 0	Engine oil Warning Mark	1
4	K 4 2 0 5 0 0 1 3 3 0	Noise Warning Mark	1
5	K 4 2 0 9 0 0 0 8 8 0	LWA 98 Mark	1
6	K 4 2 0 3 0 0 1 1 1 0	Clutch Mark (Large)	1
7	K 4 2 0 5 0 0 1 5 9 0	"Handle with care" label	1
8	K 4 2 0 5 0 0 1 6 0 0	"Cutting Warning" label	1
9	K 4 2 0 3 0 0 1 1 2 0	Groomer Mode Selector	1
10	K 4 2 0 9 0 0 0 3 7 0	Grease Up 10h Mark	2
11	K 4 2 0 3 0 0 0 9 7 0	BRAKE Mark	1
12	R 0 7 3 - 2 0 0 5 1 - 8 1	Warning Mark	1



Understanding the machine safety labels



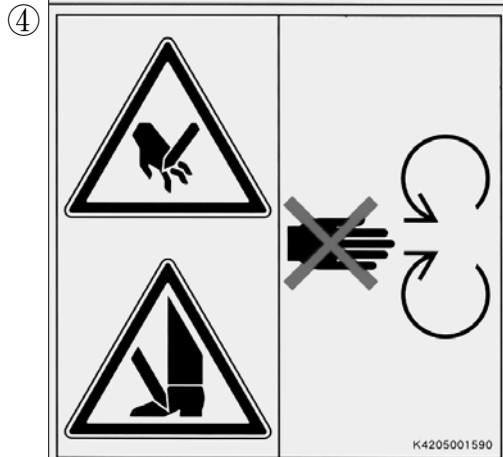
① Use only unleaded gasoline.



② Read the owner's manual.

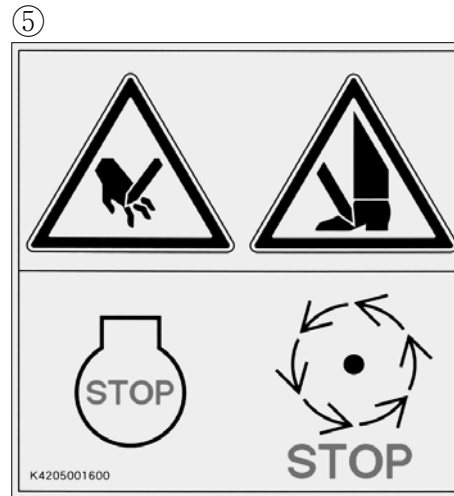


③ keep a safe distance from the machine.



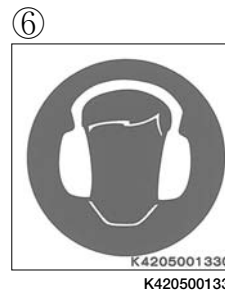
④ Do not open or remove safety shields while engine is running.

K4205001590



⑤ Stop the engine and wait for moving parts to stop.

K4205001600



⑥ It is strongly advised that the operators of this machine wear ear defenders for their protection.



⑦ Stay clear of the hot surface.

⑧ Exhaust gas is poisonous.
Do not operate in an unventilated area.

⑨ Stop the engine before refueling.

⑩ Fire, open flame and smoking prohibited.

R073-20051-81

BARONNESS

GREEN MOWER

LM56G

LM66T

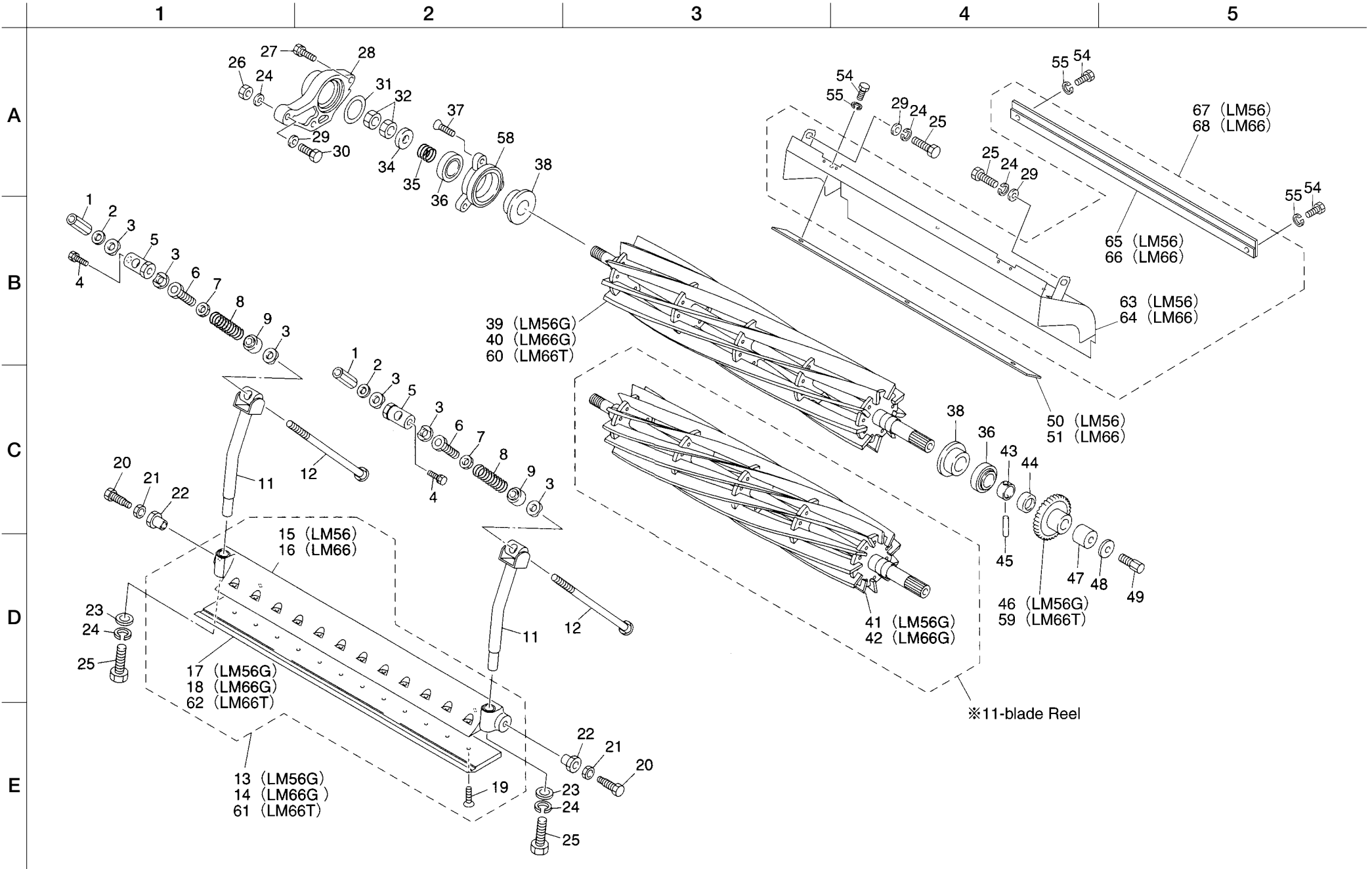
PARTS CATALOGUE

☆ **Ordering parts**

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

(Example)	Catalog No.	Code No.	Part Name
	1-41	K28055011DR	Blade reel cylinder 577-11

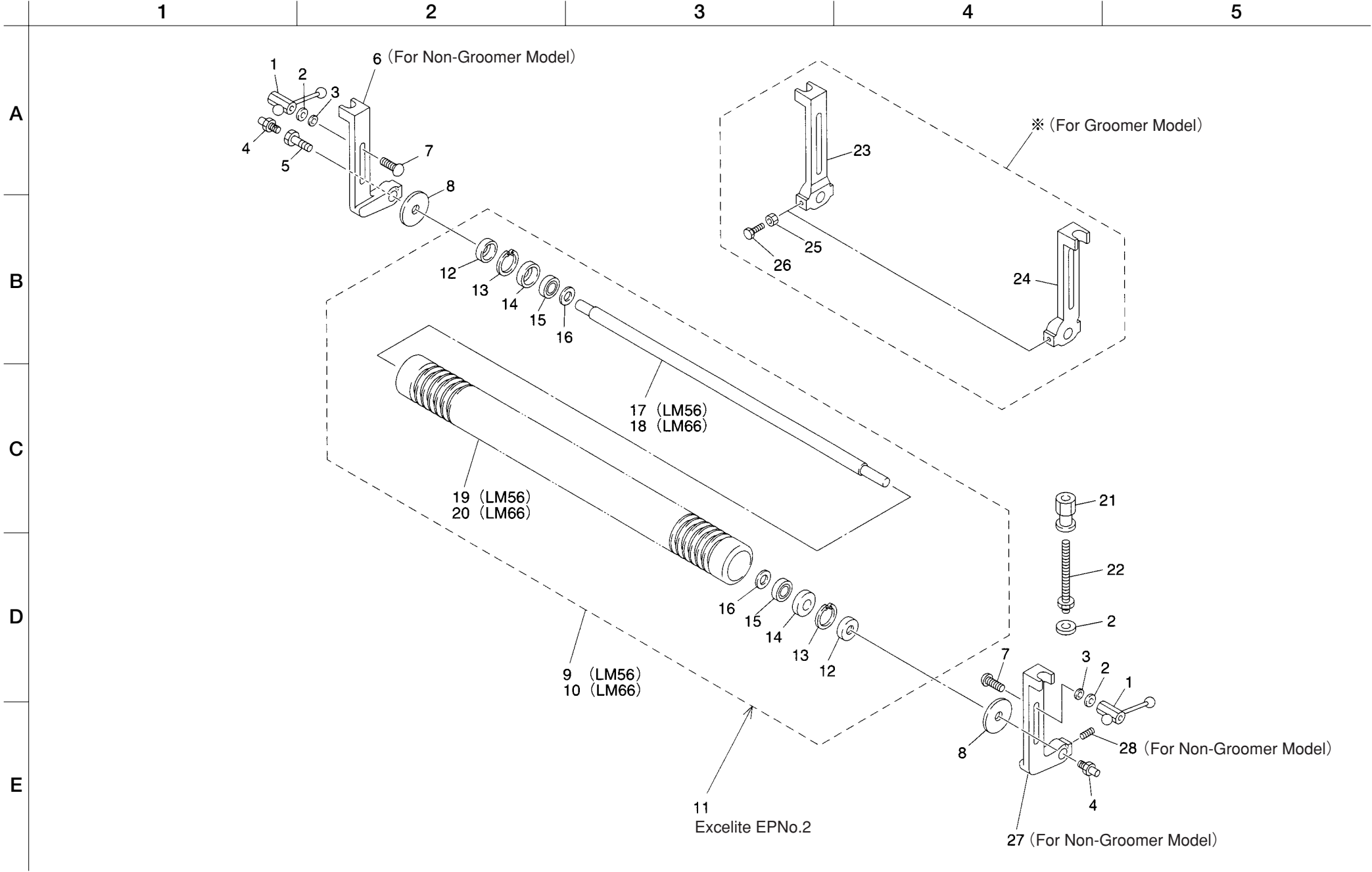
1. Blade reel cylinder/bottom blade



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
1-1	K 1 3 3 0 0 0 0 0 5 0	Blade adjusting nut	2	2	
1-2	K 5 0 0 0 1 0 0 0 0 2	10 washer	2	2	
1-3	K 6 5 0 0 0 0 0 1 0 2	5SS41 washer 10.522	6	6	
1-4	K 0 0 0 7 1 0 0 3 0 2	10 bolt 30SW	2	2	
1-5	L M 5 6 G -- 0 5 0 9 Z 2	Fulcrum seat	2	2	
1-6	L M 5 6 G -- 0 5 0 4 Z 2	Spring adjusting screw	2	2	
1-7	K 0 1 6 0 0 0 0 5 8 2	14 nut 3P1.25	2	2	
1-8	K 1 0 0 0 0 0 0 5 7 8	3.5 compression spring 2273	2	2	
1-9	K 6 2 0 6 0 0 0 2 0 2	Spring receiver 16	2	2	
1-10					
1-11	L M 5 6 G -- 0 5 0 3 Z 2	Bed arm	2	2	
1-12	L M 5 6 G -- 0 5 0 8 Z 2	Blade adjusting screw	2	2	
1-13	L M 5 6 G -- 2 4 0 1 Z 0	3 bottom blade base COMP	1	0	
1-14	L M 6 6 G -- 0 5 1 1 Z 0	Bottom blade base COMP	0		
1-15	L M 5 6 G -- 0 5 0 1 A R	Bottom blade base	1	0	
1-16	L M 6 6 G -- 0 5 0 1 A R	Bottom blade base	0	1	
1-17	K 2 5 1 0 0 0 0 0 6 0	3 bottom blade 62.5-559	1	0	
1-18	K 2 5 1 1 0 0 0 2 0 0	2.5 bottom blade 65G	0		
1-19	K 0 0 7 1 0 0 0 2 2 2	6 heat-treated countersunk head screw 12	13	15	
1-20	K 6 0 8 2 0 0 0 0 1 0	Cutter pin R	2	2	
1-21	K 0 1 6 0 0 0 0 1 1 2	Lock nut	2	2	
1-22	K 6 0 1 0 0 0 0 0 1 0	Cam bush	2	2	
1-23	K 5 0 1 2 9 0 8 2 0 2	2.9 SPCC washer 820	2	2	
1-24	K 0 2 0 0 0 8 0 0 0 2	8S washer	5	5	
1-25	K 0 0 0 0 0 8 0 1 5 2	8 bolt 15	4	4	
1-26	K 0 1 0 0 0 8 0 0 0 2	8 nut	1	1	
1-27	K 0 0 0 7 0 8 0 2 5 2	8 bolt 25SW	1	1	
1-28	L M 5 5 G C - 1 2 1 1 A D	Cover	1	1	
1-29	K 5 0 0 0 0 8 0 0 0 2	8 washer	3	3	
1-30	K 0 0 0 0 0 8 0 4 5 2	8 bolt 45	1	1	
1-31	K 0 8 8 2 0 4 5 0 0 0	O-ring G45	1	1	
1-32	K 0 1 8 5 1 6 0 0 0 2	16 left-hand thread nut 3P1.5	2	2	
1-33					
1-34	K 5 0 1 2 0 1 6 3 5 2	2SPCC washer 1635	1	1	
1-35	K 1 0 0 0 0 0 0 7 4 0	3.2 compression spring 26.922	1	1	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
1-36	K 0 6 3 1 3 0 2 0 4 0	Tapered roller 30204JRP6	2	2	
1-37	K 0 0 5 3 0 8 0 2 0 2	8 hex. socket head flush bolt 20	3	3	
1-38	K 0 8 3 0 0 0 0 0 2 0	Oil seal 254210	2	2	
1-39	K 2 8 0 5 5 0 0 9 D R	Blade reel cylinder 557-9	1	0	
1-40	K 2 8 0 6 5 0 0 9 D R	Blade reel cylinder 646-9	0	1	
1-41	K 2 8 0 5 5 0 1 1 D R	Blade reel cylinder 557-11	1	0	
1-42	K 2 8 0 6 5 0 1 1 D R	Blade reel cylinder 646-11	0	1	
1-43	K 6 2 1 3 0 0 0 0 4 0	Left bearing collar	1	1	
1-44	K 5 3 0 0 0 0 0 2 8 2	Pin lock cover	1	1	
1-45	K 0 3 1 1 0 4 5 2 5 0	4.5 needle roller 25.8	1	1	
1-46	L M 5 6 G -- 0 1 0 5 A 0	33-tooth reel gear	1	0	
1-47	L M 5 6 G -- 0 1 0 9 Z 8	Gear retainer collar	1	1	
1-48	K 0 2 1 1 1 0 0 0 0 1	10 disc spring H	1	1	
1-49	L M 5 6 G -- 0 1 1 0 Z 2	Lapping bolt	1	1	
1-50	L M 5 6 G -- 0 5 1 0 Z 2	6 air adjusting plate 560	1	0	
1-51	L M 6 6 G -- 0 5 1 0 Z 2	6 air adjusting plate 650	0	1	
1-52					
1-53					
1-54	K 0 0 0 0 0 6 0 1 0 2	6 bolt 10	4	4	
1-55	K 0 2 0 0 0 6 0 0 0 2	6S washer	4	4	
1-56					
1-57					
1-58	L M 5 6 G -- 0 6 0 6 Z 2	Right reel housing	1	1	
1-59	L M 5 6 G -- 1 7 0 2 Z 0	42-tooth reel gear	0	1	
1-60	K 2 8 0 6 5 0 0 7 D R	Blade reel cylinder 646-7	0	1	
1-61	L M 6 6 G -- 7 1 0 1 Z 0	5 bottom blade base COMP	0	1	
1-62	K 2 5 1 0 0 0 0 1 7 0	5 bottom blade 62.5-648.7	0	1	
1-63	L M 5 6 G -- 0 5 2 0 Z R	Reel cover	1	0	
1-64	L M 6 6 G -- 0 5 2 0 Z R	Reel cover	0	1	
1-65	L M 5 6 G -- 0 5 2 1 Z R	Reel cover holding fixture	1	0	
1-66	L M 6 6 G -- 0 5 2 1 Z R	Reel cover holding fixture	0	1	
1-67	L M 5 6 G -- 0 5 2 2 Z 0	Reel cover COMP	1	0	
1-68	L M 6 6 G -- 0 5 2 2 Z 0	Reel cover COMP	0	1	

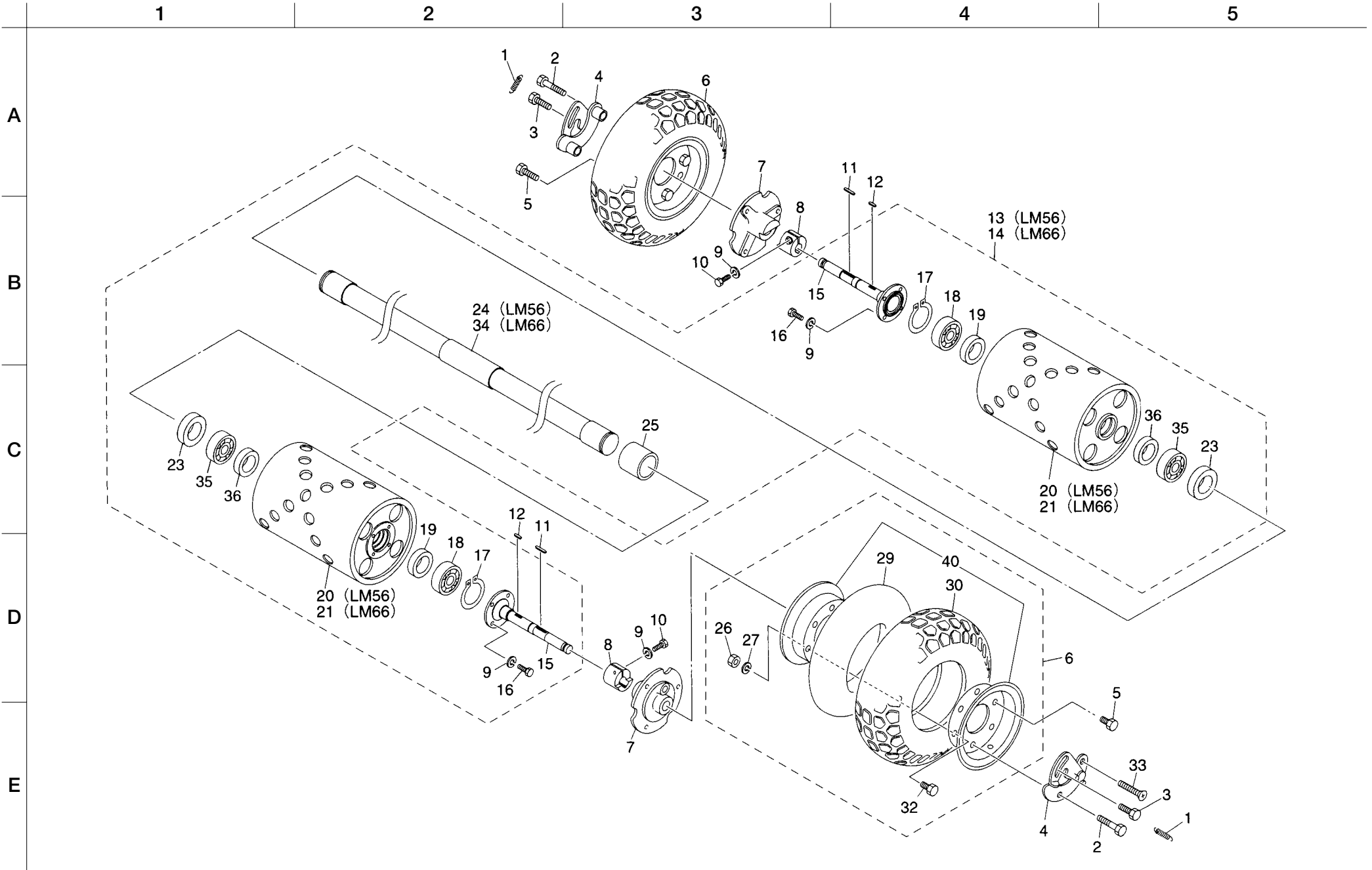
2. Front roller



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
2-1	K 1 3 3 0 0 0 0 0 5 0	Screw with handle P1.25	2	2	
2-2	K 0 2 1 3 0 8 0 0 0 1	8 disc spring washer 1H	4	4	
2-3	K 5 0 0 0 0 8 0 0 0 2	8 washer	4	4	
2-4	K 1 4 4 0 0 0 0 0 1 0	Grease nipple	2	2	
2-5	K 6 0 8 3 0 0 0 0 4 2	16 extension pin 19	1	1	
2-6	K 6 9 0 4 0 0 0 0 9 D	Right roller bracket	1	1	
2-7	K 0 0 2 5 0 8 0 4 5 2	8 square-root round-head bolt 45	2	2	
2-8	K 5 0 5 1 0 1 5 4 7 0	1C5191P washer 1547	2	2	
2-9	L M 5 6 G — — 0 4 0 3 Z 0	56G grooved roller ass'y	1	0	
2-10	L M 6 6 G — — 0 4 0 3 Z 0	66G grooved roller ass'y	0	1	
2-11	K 2 9 3 1 0 0 0 0 0 0	Excelite EP No.2	—	—	used amount :10g
2-12	K 0 8 6 1 0 0 0 0 2 0	Oil seal TA1542.38	2	2	
2-13	K 0 4 0 2 0 4 2 0 0 1	Stop ring R42	2	2	
2-14	K 0 8 6 1 0 0 0 0 3 0	Oil seal 6202	2	2	
2-15	K 0 6 1 6 0 6 2 0 2 0	Bearing 62022NSEC3	2	2	
2-16	K 5 0 5 1 0 1 5 2 8 0	1C5191P washer 1528	2	2	
2-17	K 6 1 3 1 0 0 0 1 2 2	Front roller shaft 596	1	0	
2-18	K 6 1 3 1 0 0 0 1 3 2	Front roller shaft 685	0	1	
2-19	L M 5 6 G — — 0 4 0 2 Z D	56G grooved roller 39	1	0	
2-20	L M 6 6 G — — 0 4 0 2 Z D	66G grooved roller 46	0	1	
2-21	K 6 0 8 4 0 0 0 0 6 2	Roller adjuster	2	2	
2-22	L M 5 6 G — — 0 4 0 1 Z 0	Roller adjusting screw	2	2	
2-23	K 6 9 0 4 0 0 0 0 7 0	Right roller bracket	1	1	
2-24	K 6 9 0 4 0 0 0 0 6 0	Left roller bracket	1	1	
2-25	K 0 0 0 0 0 6 0 2 5 2	6 bolt 25	2	2	
2-26	K 0 1 0 0 0 6 0 0 0 2	6 nut	2	2	
2-27	K 6 9 0 4 0 0 0 0 8 D	Left roller bracket	1	1	
2-28	K 0 0 2 8 0 6 0 1 0 0	6 stainless steel hollow set 10	2	2	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	

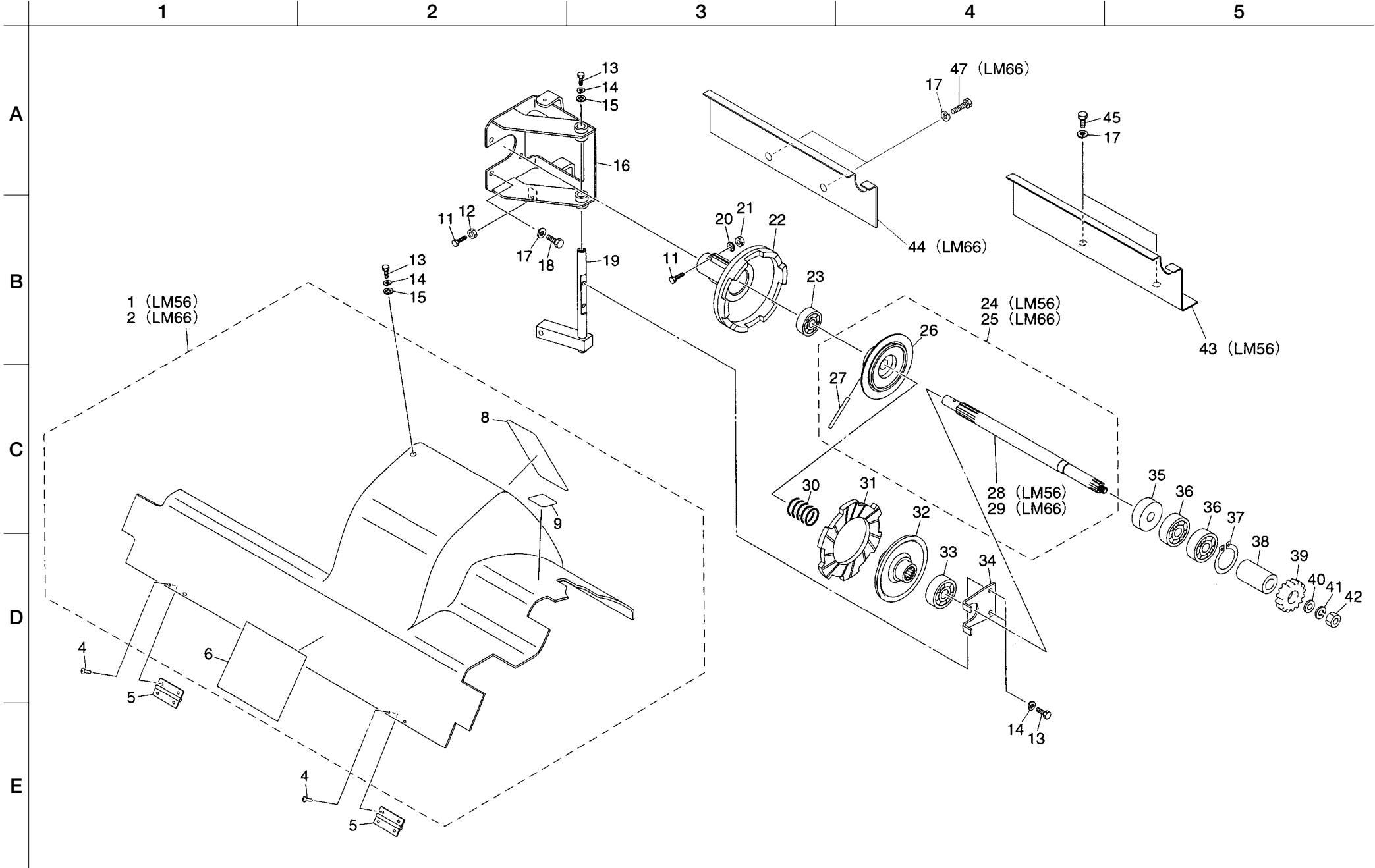
3. Drum wheel



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
3-1	K 1 0 3 0 0 0 0 6 8	1.5U hook spring 8.535.5	2	2	
3-2	K 0 0 0 6 0 8 0 4 0 2	8 bolt 40S	2	2	
3-3	K 6 0 8 2 0 0 0 0 2 3	8 bolt 10	2	2	
3-4	L M 5 5 G B — 0 2 4 2 C 2	Wheel mounting plate	2	2	
3-5	K 0 0 0 6 0 8 0 1 5 2	8 bolt 15S	2	2	
3-6	K 2 0 2 0 0 0 0 0 5 0	Tire 4.10/3.50-6 Ass'y	2	2	
3-7	L M 5 5 G D — 0 2 3 9 Z D	Wheel mounting seat	2	2	
3-8	L M 5 6 G — — 0 2 0 7 Z 2	Wheel driving fitting	2	2	
3-9	K 0 2 0 0 0 8 0 0 0 2	8S washer	10	10	
3-10	K 0 0 2 4 0 8 0 2 5 1	8 hex. socket head bolt 25	2	2	
3-11	K 0 5 0 0 5 0 5 2 8 0	5 both-end round key 528	2	2	
3-12	K 0 5 0 0 5 0 5 1 6 0	5 both-end round key 516	2	2	
3-13	L M 5 6 G — — 0 2 1 0 B 0	Ass'y with drum shaft	1	0	
3-14	L M 6 6 G — — 0 2 1 0 B 0	Ass'y with drum shaft	0	1	
3-15	L M 5 6 G — — 0 2 0 2 Z 2	Outer drum shaft	2	2	
3-16	K 0 0 0 0 0 8 0 2 5 2	8 bolt 25	8	8	
3-17	K 0 4 0 1 0 2 0 0 0 1	Stop ring S20	2	2	
3-18	K 0 6 1 3 0 6 2 0 4 0	Bearing 62042RDC3	4	4	
3-19	K 0 8 1 2 0 4 0 0 7 0	Oil seal MHS20407	4	4	
3-20	L M 5 6 G — — 0 2 1 1 Z 0	Drum	2	0	
3-21	L M 6 6 G — — 0 2 1 1 Z 0	Drum	0	2	
3-22					
3-23	K 0 8 2 3 0 4 7 0 8 0	Oil seal MHSA30478	2	2	
3-24	L M 5 6 G — — 0 2 1 2 Z 2	Intermediate drum shaft	1	0	
3-25	L M 5 6 G — — 0 2 1 3 Z 2	Drum center collar	1	1	
3-26	K 0 1 0 0 0 8 0 0 0 2	8 nut	6	6	
3-27	K 0 2 0 0 0 8 0 0 0 2	8S washer	6	6	
3-28					
3-29	K 2 0 9 1 0 0 0 2 2 0	Tube 4.10/3.50-6	2	2	
3-30	K 2 0 2 1 0 0 0 0 3 0	Tire 4.10/3.50-6	2	2	
3-31					
3-32	K 0 0 0 0 0 8 0 1 2 2	8 bolt 12	6	6	
3-33	K 0 0 4 1 0 8 0 3 5 2	8 + countersunk head screw 35	2	2	
3-34	L M 6 6 G — — 0 2 1 2 Z 2	Intermediate drum shaft	0	1	
3-35	K 0 6 0 8 0 6 0 0 5 0	Bearing 60052RS	2	2	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
3-36	K 0 8 1 2 5 4 0 0 8 0	Oil seal MHS25408	2	2	} Washer for adjustment
3-37	K 5 0 1 0 5 2 5 3 2 2	0.5SPCC washer 2532			
3-38	K 5 0 1 0 3 2 0 2 8 0	0.3SPCC washer 2028			
3-39	K 5 0 1 1 0 2 0 2 8 2	1SPCC washer 2028			
3-40	K 2 0 8 0 0 0 0 0 4 0	Wheel 3SP-6 COMP	2	2	

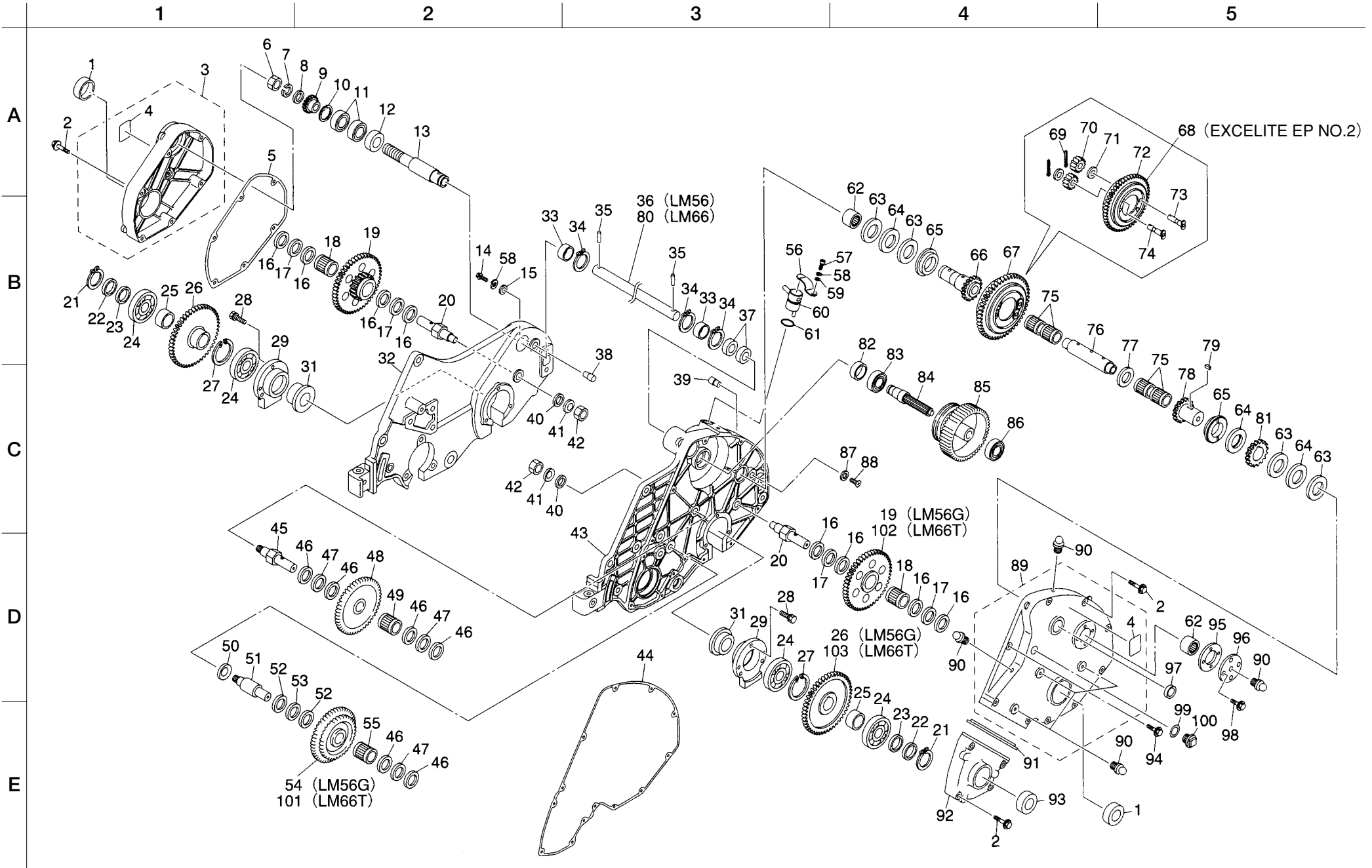
4. Clutch



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
4-1	L M 5 6 G -- 2 2 0 4 Z 0	Clutch cover with mark S	1	0	
4-2	L M 6 6 G -- 2 2 0 4 Z 0	Clutch cover with mark S	0	1	
4-3					
4-4	K 4 5 1 0 6 1 5 1 2 0	Rivet (AVEX 1661-0512)	8	8	
4-5	K 4 5 2 0 0 0 0 1 2 0	Hinge plate 4035 with 4.2 hole	2	2	
4-6	K 4 2 0 5 0 0 1 6 0 0	"Cutting Warning" label	1	1	
4-7					
4-8	K 4 2 0 5 0 0 1 5 9 0	"Handle with care" label	1	1	
4-9	K 4 2 0 3 0 0 1 1 1 0	Clutch mark (Large)	1	1	
4-10					
4-11	K 0 0 0 0 0 6 0 3 0 2	6 bolt 30	2	2	
4-12	K 0 1 0 0 0 6 0 0 0 2	6 nut	1	1	
4-13	K 0 0 0 0 0 6 0 1 5 2	6 bolt 15	4	4	
4-14	K 0 2 0 0 0 6 0 0 0 2	6S washer	4	4	
4-15	K 5 0 1 2 3 0 6 2 0 2	2.3 SPCC washer 620	2	2	
4-16	L M 5 6 G -- 2 2 0 1 Z D	Clutch box S	1	1	
4-17	K 0 2 0 0 0 8 0 0 0 2	8S washer	6	6	
4-18	K 0 0 0 0 0 8 0 1 5 2	8 bolt 15	4	4	
4-19	L M 5 6 G -- 2 2 0 2 Z 2	Clutch lever S	1	1	
4-20	K 5 0 0 0 0 6 0 0 0 2	6 washer	1	1	
4-21	K 0 1 4 3 0 6 0 0 0 2	6 nut with disc spring	1	1	
4-22	K 6 9 1 1 0 0 0 0 5 0	Engine clutch	1	1	
4-23	K 0 6 1 6 0 6 2 0 2 0	Bearing 62022NSEC3	1	1	
4-24	L M 5 6 G -- 0 3 0 5 Z 0	Clutch shaft ass'y 56	1	0	
4-25	L M 6 6 G -- 0 3 0 5 Z 0	Clutch shaft ass'y 66	0	1	
4-26	K 6 9 1 1 0 0 0 0 4 3	Disc receiver 15	1	1	
4-27	K 0 3 1 0 0 5 0 4 0 2	5 tapered pin 40	1	1	
4-28	L M 5 6 G -- 0 3 0 8 Z 2	Clutch shaft	1	0	
4-29	L M 6 6 G -- 0 3 0 8 Z 2	Clutch shaft	0	1	
4-30	K 1 0 0 0 0 0 0 1 6 0	3.5 compression spring 3415	1	1	
4-31	K 1 8 1 0 0 0 0 0 3 0	Clutch Disk	1	1	
4-32	L M 5 6 G -- 0 3 0 4 Z 2	Clutch plate	1	1	
4-33	K 0 6 5 9 0 0 0 0 2 0	Release bearing RCT2850	1	1	
4-34	L M 5 6 G -- 2 2 0 3 Z 2	Support plate S	1	1	
4-35	K 0 8 1 1 9 3 0 0 7 0	Oil seal MHS19307	1	1	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
4-36	K 0 6 1 6 0 6 2 0 3 0	Bearing 62032NSEC3	2	2	
4-37	K 0 4 0 2 0 4 0 0 0 1	Stop ring R40	1	1	
4-38	L M 5 6 G -- 0 2 0 8 Z 0	1 shaft collar	1	1	
4-39	K 6 1 8 0 0 0 0 1 4 0	16-tooth gear	1	1	
4-40	K 5 0 0 2 1 0 0 0 0 2	10 washer 22	1	1	
4-41	K 0 2 1 3 1 0 0 0 0 2	10 disc spring washer 1H	1	1	
4-42	K 0 1 6 0 0 0 0 2 8 2	10 nut 3P1OH1	1	1	
4-43	L M 5 6 G -- 0 3 0 7 A R	Clutch cover receiver	1	0	
4-44	L M 6 6 G -- 0 3 1 1 A R	Clutch cover receiver	0	1	
4-45	K 0 0 0 0 0 8 0 1 2 2	8 bolt 12	2	0	
4-46					
4-47	K 0 0 0 0 0 8 0 2 0 2	8 bolt 20	0	2	

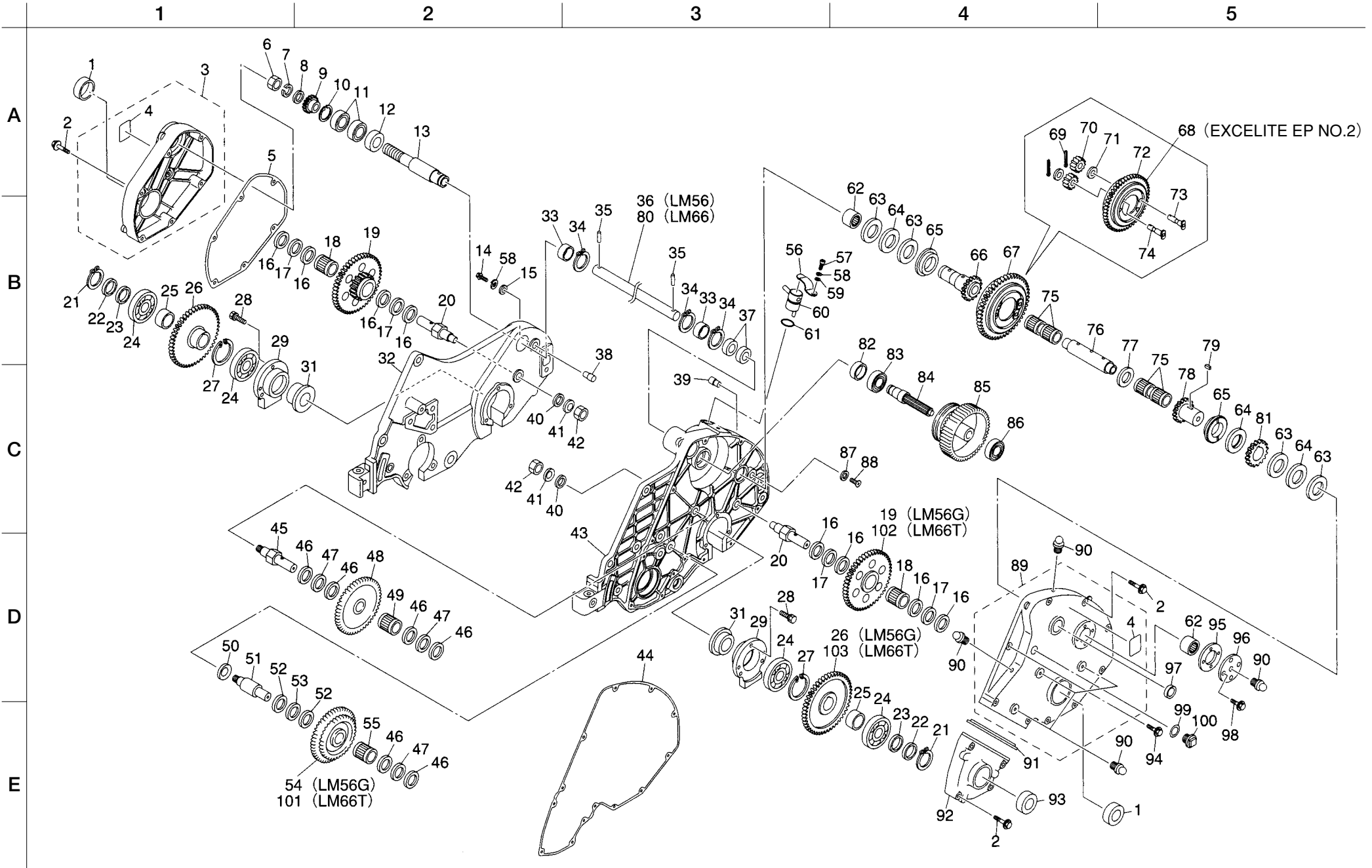
5. Frame transmission



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
5-1	K 0 8 2 2 0 4 7 0 6 0	Oil seal MHSA20476	2	2	
5-2	K 0 0 0 7 0 6 0 4 5 2	6 bolt 45SW	18	18	
5-3	L M 5 6 G -- 0 6 1 3 Z 0	Right cover with mark	1	1	
5-4	K 4 2 0 9 0 0 0 3 7 0	Greasing 10-hr mark	2	2	
5-5	L M 5 6 G -- 0 6 0 9 Z 0	Right packing	1	1	
5-6	K 0 1 8 3 1 4 0 0 0 2	14 left-hand thread nut P1.5	1	1	
5-7	K 0 2 1 0 1 4 0 0 0 1	14 disc spring L	1	1	
5-8	K 5 0 0 0 1 4 0 0 0 2	14 washer	1	1	
5-9	K 6 1 8 8 0 0 0 0 1 0	18-tooth gear with screw M2	1	1	
5-10	K 0 4 0 2 0 3 5 0 0 1	Stop ring R35	1	1	
5-11	K 0 6 1 6 0 6 2 0 2 0	Bearing 62022NSEC3	2	2	
5-12	K 0 8 0 2 0 3 0 0 5 0	Oil seal MH20305	1	1	
5-13	K 6 1 2 2 0 0 0 1 8 8	Right transmission shaft	1	1	
5-14	K 0 0 0 0 0 6 0 1 5 2	6 bolt 15	1	1	
5-15	K 5 0 1 2 3 0 6 2 0 2	2.3SPCC washer 620	1	1	
5-16	K 5 0 5 1 0 1 3 2 2 0	1C5191P washer 1322	8	8	
5-17	K 5 0 2 0 8 1 3 2 2 0	0.8NBS55 washer 1322	4	4	
5-18	K 0 7 1 1 3 1 7 2 0 0	Needle KTW131720	2	2	
5-19	L M 5 5 G B - 0 2 1 9 C 0	46-tooth 16-tooth gear	2	0	
5-20	L M 5 6 G -- 0 2 0 4 Z 0	Drum side No.4 shaft	2	2	
5-21	K 0 4 0 1 0 2 0 0 0 1	Stop ring S20	2	2	
5-22	K 5 0 1 0 3 2 0 2 8 2	0.3SPCC washer 2028	2	2	
5-23	K 5 0 1 1 0 2 0 2 8 2	1SPCC washer 2028	2	2	
5-24	K 0 6 0 1 0 6 2 0 4 0	Bearing 6204C3	4	4	
5-25	L M 5 5 G B - 0 2 3 4 A 0	Left collar	2	2	
5-26	L M 5 5 G B - 0 2 2 1 C 0	46-tooth axle gear	2	0	
5-27	K 0 4 0 2 0 4 7 0 0 1	Stop ring R47	2	2	
5-28	K 0 0 0 6 0 8 0 3 0 2	8 bolt 30S	6	6	
5-29	L M 5 6 G -- 0 6 1 5 Z 0	Drum housing	2	2	
5-30					
5-31	K 0 8 3 0 0 0 0 0 2 0	Oil seal 254210	2	2	
5-32	L M 5 6 G -- 0 6 0 2 B R	Right frame	1	1	
5-33	L M 5 5 G B - 0 2 2 4 Z 2	Differential joint shaft collar	2	2	
5-34	K 0 4 0 3 0 1 8 0 0 1	Stop ring round S18	3	3	
5-35	K 0 3 1 1 0 4 0 1 7 0	4 needle roller 17.8	2	2	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
5-36	L M 5 6 G -- 0 2 0 5 Z 8	Transmission shaft	1	0	
5-37	K 0 8 7 0 1 8 2 6 4 0	Seal for needle OS18264	2	2	
5-38	K 6 1 5 5 0 0 0 0 4 2	Handle mounting pin R	1	1	
5-39	K 6 1 5 5 0 0 0 1 5 2	Handle mounting pin L	1	1	
5-40	K 5 0 0 0 1 0 0 0 0 2	10 washer	3	3	
5-41	K 0 2 1 1 1 0 0 0 0 1	10 disc spring H	3	3	
5-42	K 0 1 6 0 0 0 0 2 8 2	10 nut 3P10H1	3	3	
5-43	L M 5 6 G -- 0 6 0 1 B R	Left frame	1	1	
5-44	L M 5 6 G -- 0 6 0 8 Z 0	Left packing	1	1	
5-45	L M 5 5 G B - 0 2 0 1 A 0	No.2 shaft	1	1	
5-46	K 5 0 5 1 0 1 3 2 8 0	1C5191P washer 1328	6	6	
5-47	K 5 0 2 0 8 1 3 2 8 0	0.8NBS55 washer 1328	3	3	
5-48	L M 5 6 G -- 0 1 0 3 A 0	46-tooth gear	1	1	
5-49	K 0 7 0 1 3 1 7 1 2 0	Needle KT131712	1	1	
5-50	K 0 2 1 1 1 2 0 0 0 1	12 disc spring H	1	1	
5-51	L M 5 5 G C - 0 1 0 2 Z 0	Reel intermediate shaft	1	1	
5-52	K 5 0 5 1 0 1 5 2 8 0	1C5191P washer 1528	2	2	
5-53	K 5 0 2 0 8 1 5 2 8 0	0.8NBS55 washer 1528	1	1	
5-54	L M 5 6 G -- 0 1 0 4 B 0	36-tooth 45-tooth gear	1	0	
5-55	K 0 7 0 1 5 1 9 1 8 0	Needle KT151918	1	1	
5-56	K 1 0 9 0 0 0 0 0 5 8	Clutch retainer spring	1	1	
5-57	K 0 0 0 0 0 6 0 1 0 2	6 bolt 10	1	1	
5-58	K 0 2 0 0 0 6 0 0 0 2	6S washer	2	2	
5-59	K 5 0 0 0 0 6 0 0 0 2	6 washer	1	1	
5-60	L M 5 6 G -- 0 2 0 6 Z 8	Changeover clutch lever	1	1	
5-61	K 0 8 8 0 0 2 1 0 0 0	O-ring P21	1	1	
5-62	K 0 7 2 2 2 1 0 0 0 0	Needle TA2210Z	2	2	
5-63	K 5 0 5 1 0 2 2 3 0 0	1C5191P washer 2230	4	4	
5-64	K 5 0 2 0 8 2 2 3 0 0	0.8NBS55 washer 2230	3	3	
5-65	K 6 2 0 2 0 0 0 1 4 0	Differential gear bearing	2	2	
5-66	L M 5 5 G B - 0 2 1 0 A 3	16-tooth right differential gear	1	1	
5-67	K 8 0 0 0 0 0 0 0 3 0	50-tooth differential gear ass'y	1	1	
5-68	K 2 9 3 1 0 0 0 0 0 0	Excelite EP NO.2	—	—	used amount : 50g
5-69	K 0 3 0 0 0 2 5 1 6 2	2.5 cotter pin 16	4	4	
5-70	K 6 1 9 1 0 0 0 0 4 0	Differential pinion gear 12	4	4	

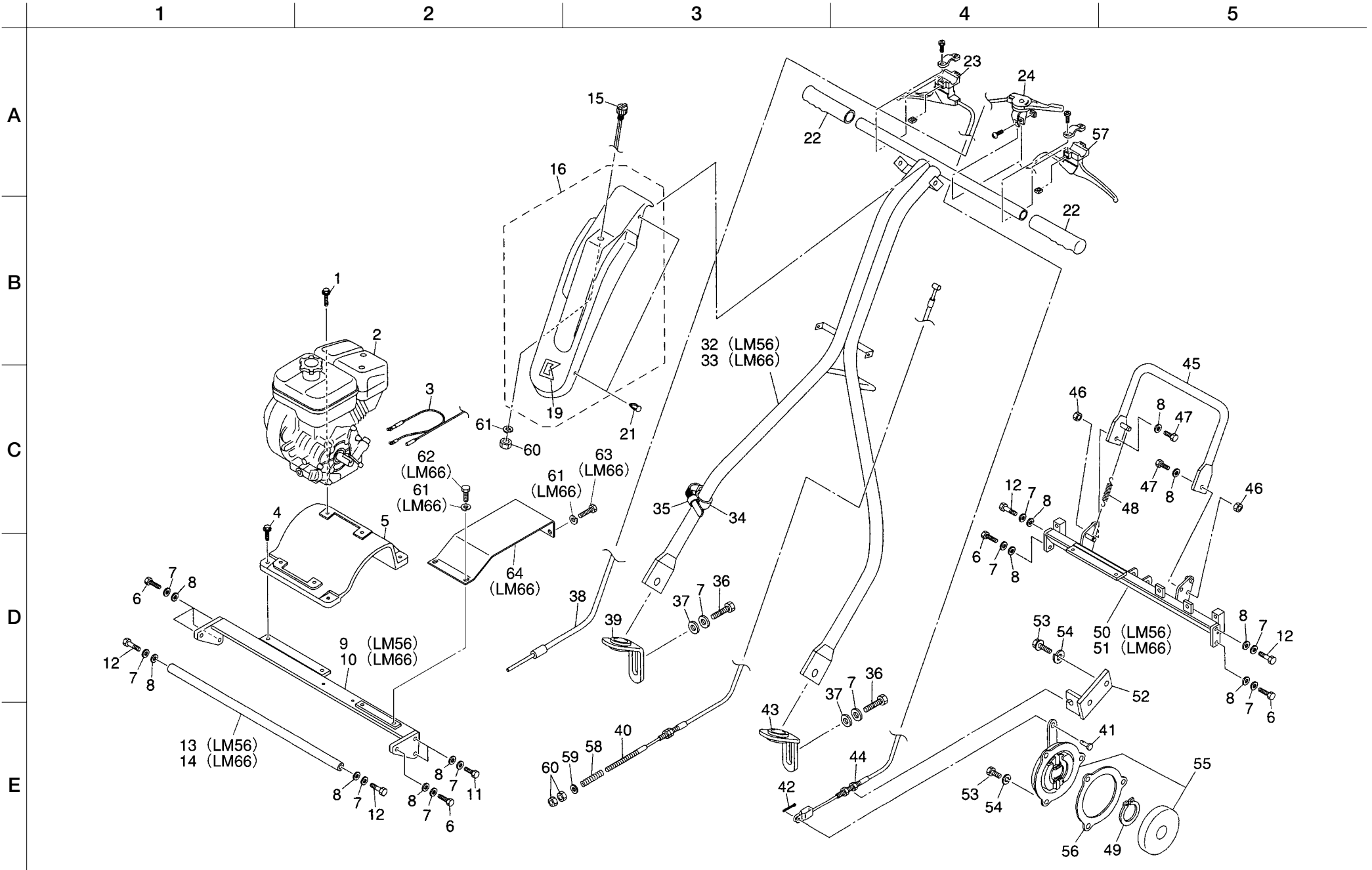
5. Frame transmission



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
5-71	K 6 2 1 1 0 0 0 1 8 0	7SGP collar 10.57	4	4	
5-72	K 7 0 0 1 0 0 0 0 2 0	Differential 50-tooth gear	1	1	
5-73	K 6 0 3 3 0 0 0 0 6 0	Differential pin 7.5	2	2	
5-74	K 6 0 3 3 0 0 0 0 7 0	Differential pin 15	2	2	
5-75	K 0 7 0 1 0 1 3 1 0 0	Needle KT101310	4	4	
5-76	K 6 1 5 0 0 0 0 1 5 0	10 differential pin 55	1	1	
5-77	K 5 0 5 1 0 1 0 2 2 0	1C5191P washer 1022	1	1	
5-78	L M 5 5 G B — 0 2 0 9 C 0	16-tooth left differential gear	1	1	
5-79	K 0 5 2 0 5 0 4 0 6 0	5 one-end round key 46.3	1	1	
5-80	L M 6 6 G — — 0 2 0 5 Z 8	Transmission shaft	0	1	
5-81	L M 5 5 G B — 0 2 1 4 A 0	18-tooth left gear	1	1	
5-82	K 0 8 1 1 5 2 8 0 7 0	Oil seal MHS15287	1	1	
5-83	K 0 6 1 2 0 6 0 0 2 0	Bearing 60022RD	1	1	
5-84	L M 5 6 G — — 0 1 0 8 Z 0	No.2 shaft	1	1	
5-85	L M 5 6 G — — 0 1 0 2 A 0	51-tooth gear	1	1	
5-86	K 0 6 1 2 0 6 0 0 1 0	Bearing 60012RD	1	1	
5-87	L M 5 5 G B — 0 6 1 4 Z 3	Handle pin washer	1	1	
5-88	K 0 0 4 1 0 6 0 1 2 2	6 + countersunk head screw 12	1	1	
5-89	L M 5 6 G — — 0 6 1 2 Z 0	Left large cover with mark	1	1	
5-90	K 1 4 4 0 0 0 0 0 1 0	Grease nipple	8	8	
5-91	L M 5 6 G — — 0 6 1 1 Z 0	Joint packing	1	1	
5-92	L M 5 6 G — — 0 6 0 4 Z R	Left small cover	1	1	
5-93	K 0 8 2 2 8 4 0 0 8 0	Oil seal MHSA28408	1	1	
5-94	K 0 0 0 7 0 6 0 2 5 2	6 bolt 25SW	1	1	
5-95	L M 5 5 G B — 0 2 0 8 Z 0	3-shaft packing	1	1	
5-96	L M 5 5 G B — 0 2 1 7 Z 0	Bearing retainer	1	1	
5-97	K 0 8 9 0 0 0 0 0 3 0	Plug 25	1	1	
5-98	K 0 0 0 7 0 6 0 1 5 2	6 bolt 15SW	4	4	
5-99	K 4 0 1 0 2 1 7 2 5 0	2 oil seat 17.525	1	1	
5-100	K 1 4 0 0 0 0 0 0 1 0	Oil plug 18	1	1	
5-101	L M 5 6 G — — 1 7 0 1 Z 0	36-tooth gear	0	1	
5-102	L M 5 5 T B — 0 2 1 9 C 0	46-tooth 15-tooth gear	0	2	
5-103	L M 5 5 T B — 0 2 2 1 C 0	47-tooth axle gear	0	2	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	

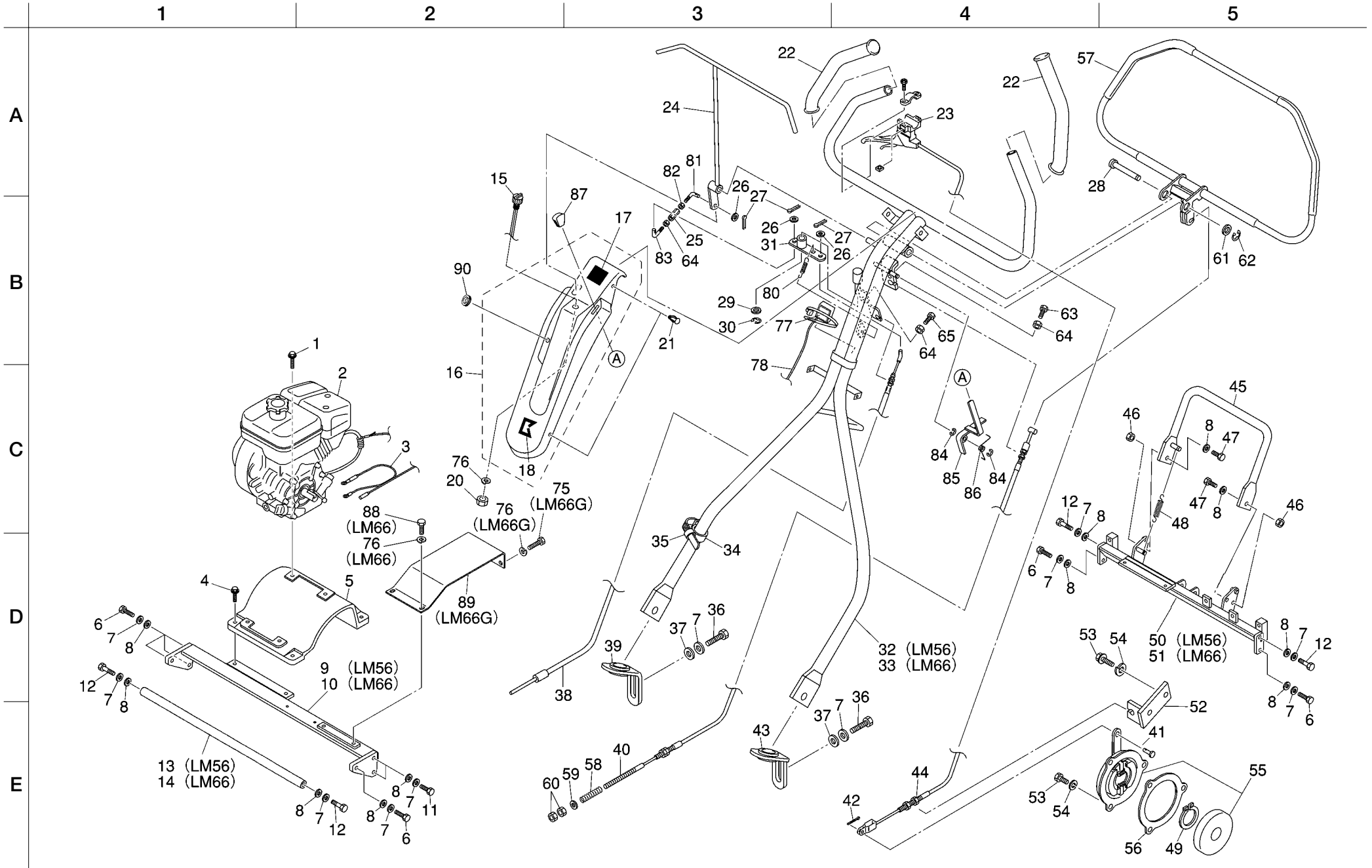
6A. Handle/engine/brake (Standard Control Type)



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
6A-1	K 0 0 0 7 0 8 0 4 0 2	8 bolt 40SW	4	4	
6A-2	K 2 6 2 0 0 0 0 3 7 0	Robin EX13D	1	1	
6A-3	K 3 6 2 0 0 0 0 5 5 0	Engine switch cord 8A	1	1	
6A-4	K 0 0 0 7 0 8 0 3 0 2	8 bolt 30SW	4	4	
6A-5	K 6 8 1 0 0 0 0 0 6 0	Engine base M	1	1	
6A-6	K 0 0 0 0 1 0 0 3 5 2	10 bolt 35	6	6	
6A-7	K 0 2 1 3 1 0 0 0 0 2	10 disc spring washer 1H	14	14	
6A-8	K 5 0 0 0 1 0 0 0 0 2	10 washer	14	14	
6A-9	L M 5 6 G -- 0 7 0 6 Z R	Front frame stay	1	0	
6A-10	L M 6 6 G -- 0 7 0 6 Z R	Front frame stay	0	1	
6A-11	K 0 0 0 0 1 0 0 3 0 2	10 bolt 30	2	2	
6A-12	K 0 0 7 1 0 0 0 5 9 2	M10 knock bolt 40	4	4	
6A-13	L M 5 6 G -- 0 7 0 5 Z 2	Front stay pipe	1	0	
6A-14	L M 6 6 G -- 0 7 0 5 Z 2	Front stay pipe	0	1	
6A-15	K 3 6 6 2 0 0 0 0 5 0	Engine switch	1	1	
6A-16	K 9 1 0 0 0 0 0 1 6 0	Handle cover COMP UK	1	1	
6A-17					
6A-18					
6A-19	K 4 2 0 1 0 0 0 4 7 0	K mark red	1	1	
6A-20					
6A-21	K 4 0 2 1 0 0 0 0 1 0	Anchor clip 7.5	4	4	
6A-22	K 1 3 0 0 0 0 0 1 4 0	Handle grip black 21	2	2	
6A-23	K 1 2 1 1 2 6 0 0 4 0	Clutch lever E126004	1	1	
6A-24	K 1 2 0 3 5 2 1 0 0 0	Throttle lever E352100	1	1	
6A-25					
6A-26					
6A-27					
6A-28					
6A-29					
6A-30					
6A-31					
6A-32	L M 5 6 G -- 2 5 0 1 Z L	Handle 56S	1	0	
6A-33	L M 6 6 G -- 2 5 0 1 Z L	Handle 66S	0	1	
6A-34	K 4 2 4 1 0 0 0 0 1 0	Nylon band 140	3	3	
6A-35	K 4 2 4 1 0 0 0 0 7 0	Urethane tube 7	3	3	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
6A-36	K 0 0 1 0 1 0 0 2 5 1	10 heat-treated bolt 25	2	2	
6A-37	K 5 0 1 2 3 1 0 2 5 2	2.3SPCC washer 1025	2	2	
6A-38	K 1 1 1 0 1 1 7 0 0 0	Throttle wire 1170	1	1	
6A-39	L M 2 2 G E -- 0 7 1 6 Z 0	Right handle adjuster	1	1	
6A-40	K 1 1 3 0 1 3 7 4 0 0	Clutch wire 1374	1	1	
6A-41	K 6 0 3 0 0 5 0 1 2 2	5 flat head pin 12	2	2	
6A-42	K 0 3 0 0 0 2 0 1 2 2	2 cotter pin 12	2	2	
6A-43	L M 2 2 G E -- 0 7 1 5 Z 0	Left handle adjuster	1	1	
6A-44	K 1 1 2 0 1 3 4 7 0 0	Brake wire 1347	1	1	
6A-45	L M 5 6 G -- 0 7 0 8 Z L	Stand	1	1	
6A-46	K 0 1 0 0 1 0 0 0 0 2	10 nut	2	2	
6A-47	K 0 0 0 0 1 0 0 2 5 2	10 bolt 25	2	2	
6A-48	K 1 0 2 0 0 0 0 1 9 8	2.6 round hook spring 15.584	1	1	
6A-49	K 0 4 0 1 0 1 4 0 0 1	Stop ring S14	1	1	
6A-50	L M 5 6 G -- 0 7 0 7 Z R	Rear frame stay	1	0	
6A-51	L M 6 6 G -- 0 7 0 7 Z R	Rear frame stay	0	1	
6A-52	L M 5 6 G -- 1 1 0 2 Z 2	Wire mounting bracket	1	1	
6A-53	K 0 0 0 0 0 6 0 1 5 2	6 bolt 15	5	5	
6A-54	K 0 2 0 0 0 6 0 0 0 2	6S washer	5	5	
6A-55	K 1 7 2 0 0 0 0 1 5 0	Brake ass'y 62	1	1	
6A-56	K 4 0 1 9 0 0 0 0 2 0	Brake cover packing	1	1	
6A-57	K 1 2 1 1 4 6 0 0 1 0	Clutch lever E146001	1	1	
6A-58	K 1 0 0 0 0 0 0 8 2 D	2.6 compression spring 17.2 70	1	1	
6A-59	K 5 0 0 0 0 8 0 0 0 2	8 washer	1	1	
6A-60	K 0 1 0 0 0 8 0 0 0 2	8 nut	3	3	
6A-61	K 0 2 0 0 0 8 0 0 0 2	8S washer	1	5	
6A-62	K 0 0 0 0 0 8 0 1 2 2	8 bolt 12	0	2	
6A-63	K 0 0 0 0 0 8 0 2 0 2	8 bolt 20	0	2	
6A-64	L M 6 6 G -- 0 7 0 9 Z R	Reinforcement plate	0	1	

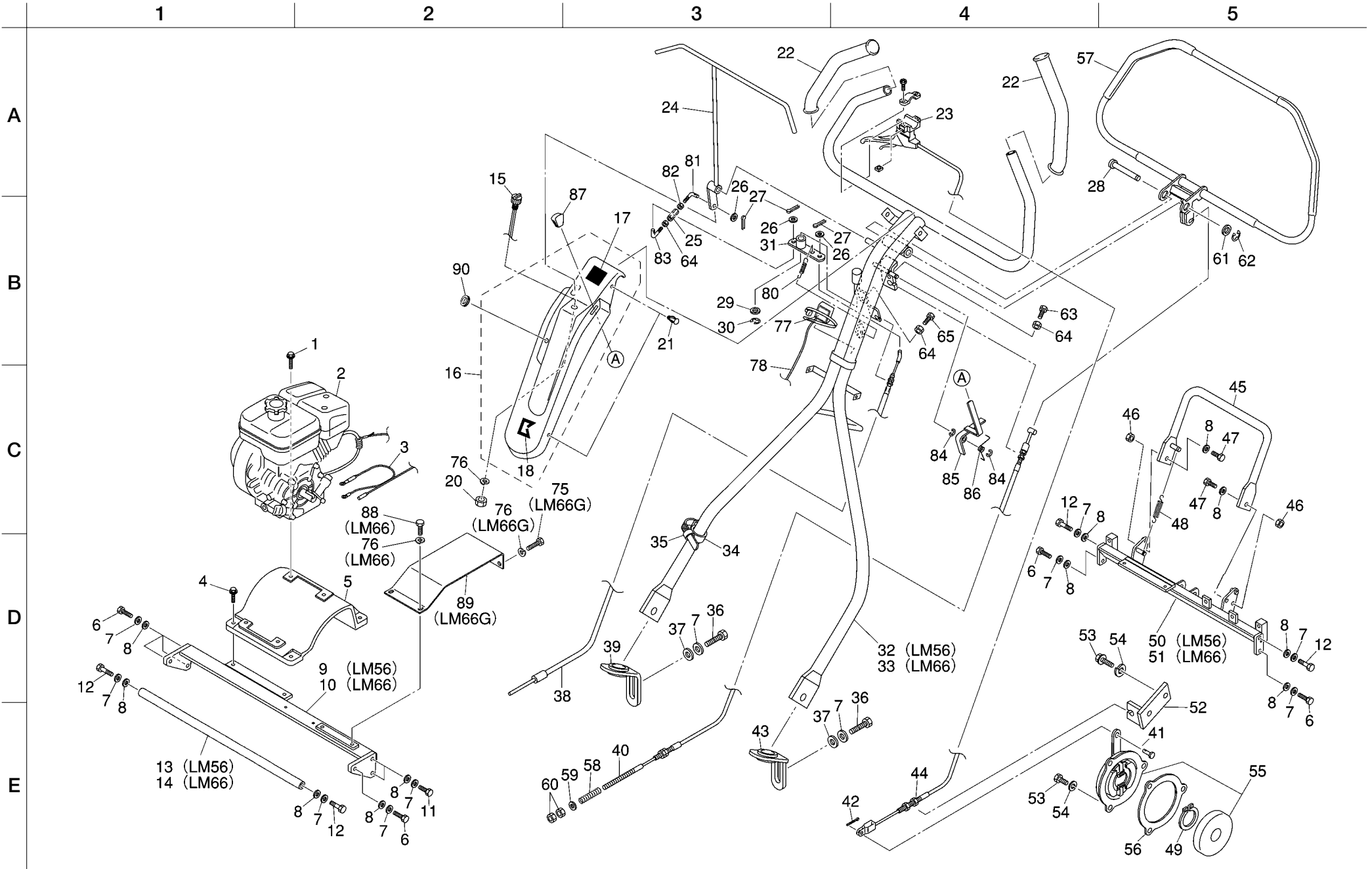
6B. Handle/engine/brake (Fingertip Control Type)



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
6B-1	K 0 0 0 7 0 8 0 4 0 2	8 bolt 40SW	4	4	
6B-2	K 2 6 2 0 0 0 0 4 3 0	Robin EX130D70130	1	1	
6B-3	K 3 6 2 0 0 0 0 5 5 0	Engine switch cord 8A	1	1	
6B-4	K 0 0 0 7 0 8 0 3 0 2	8 bolt 30SW	4	4	
6B-5	K 6 8 1 0 0 0 0 0 6 0	Engine base M	1	1	
6B-6	K 0 0 0 0 1 0 0 3 5 2	10 bolt 35	6	6	
6B-7	K 0 2 1 3 1 0 0 0 0 2	10 disc spring washer 1H	14	14	
6B-8	K 5 0 0 0 1 0 0 0 0 2	10 washer	14	14	
6B-9	L M 5 6 G--0 7 0 6 Z R	Front frame stay	1	0	
6B-10	L M 6 6 G--0 7 0 6 Z R	Front frame stay	0	1	
6B-11	K 0 0 0 0 1 0 0 3 0 2	10 bolt 30	2	2	
6B-12	K 0 0 7 1 0 0 0 5 9 2	M10 knock bolt 40	4	4	
6B-13	L M 5 6 G--0 7 0 5 Z 2	Front stay pipe	1	0	
6B-14	L M 6 6 G--0 7 0 5 Z 2	Front stay pipe	0	1	
6B-15	K 3 6 6 2 0 0 0 0 5 0	Engine switch	1	1	
6B-16	L M 5 6 G--8 9 0 1 Z 0	Handle cover with mark B	1	1	
6B-17	K 4 2 0 5 0 0 1 6 1 0	Operator warning label	1	1	
6B-18	K 4 2 0 1 0 0 0 4 7 0	K mark red	1	1	
6B-19					
6B-20					
6B-21	K 4 0 2 1 0 0 0 0 1 0	Anchor clip 7.5	4	4	
6B-22	K 1 3 0 0 0 0 0 2 5 0	22 handle grip 256	2	2	
6B-23	K 1 2 1 1 3 8 0 0 4 0	Clutch lever E138004	1	1	
6B-24	L M 5 6 G--7 8 0 6 Z D	Throttle lever	1	1	
6B-25	L M 5 6 G--7 8 1 4 Z 2	M6 Adjusting Nut 30	1	1	
6B-26	K 5 0 0 0 0 5 0 0 0 2	5 washer	3	3	
6B-27	K 0 3 0 0 0 1 6 1 2 2	1.6 cotter pin 12	3	3	
6B-28	L M 5 6 G--7 8 0 5 Z 2	Clutch lever shaft	1	1	
6B-29	K 5 0 5 1 0 1 1 2 5 0	1C5191P washer 1125	2	2	
6B-30	K 0 4 0 0 0 0 8 0 0 2	Stop ring E8	1	1	
6B-31	L M 5 6 G--7 8 0 7 Z D	Connection plate	1	1	
6B-32	L M 5 6 G--7 8 0 1 Z D	A handle 56	1	0	
6B-33	L M 6 6 G--7 8 0 1 Z D	A handle 66	0	1	
6B-34	K 4 2 4 1 0 0 0 0 1 0	Nylon band 140	3	3	
6B-35	K 4 2 4 1 0 0 0 0 7 0	Urethane tube 7	3	3	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
6B-36	K 0 0 1 0 1 0 0 2 5 1	10 heat-treated bolt 25	2	2	
6B-37	K 5 0 1 2 3 1 0 2 5 2	2.3SPCC washer 1025	2	2	
6B-38	K 1 1 1 0 0 9 0 0 0 0	Throttle wire 900	1	1	
6B-39	L M 2 2 G E -0 7 1 6 Z 0	Right handle adjuster	1	1	
6B-40	K 1 1 3 0 1 2 0 0 0 0	Clutch wire 1200	1	1	
6B-41	K 6 0 3 0 0 5 0 1 2 2	5 flat head pin 12	2	2	
6B-42	K 0 3 0 0 0 2 0 1 2 2	2 cotter pin 12	2	2	
6B-43	L M 2 2 G E -0 7 1 5 Z 0	Left handle adjuster	1	1	
6B-44	K 1 1 2 0 1 3 6 9 0 0	Brake wire 1369	1	1	
6B-45	L M 5 6 G--0 7 0 8 Z D	Stand	1	1	
6B-46	K 0 1 0 0 1 0 0 0 0 2	10 nut	2	2	
6B-47	K 0 0 0 0 1 0 0 2 5 2	10 bolt 25	2	2	
6B-48	K 1 0 2 0 0 0 0 1 9 8	2.6 round head hook spring 15.584	1	1	
6B-49	K 0 4 0 1 0 1 4 0 0 1	Stop ring S14	1	1	
6B-50	L M 5 6 G--0 7 0 7 Z R	Rear frame stay	1	0	
6B-51	L M 6 6 G--0 7 0 7 Z R	Rear frame stay	0	1	
6B-52	L M 5 6 G--1 1 0 2 Z 2	Wire mounting bracket	1	1	
6B-53	K 0 0 0 0 0 6 0 1 5 2	6 bolt 15	5	5	
6B-54	K 0 2 0 0 0 6 0 0 0 2	6S washer	5	5	
6B-55	K 1 7 2 0 0 0 0 1 5 0	Brake Ass'y 62	1	1	
6B-56	K 4 0 1 9 0 0 0 0 2 0	Brake cover packing	1	1	
6B-57	L M 5 6 G--7 8 0 4 Z D	Clutch lever	1	1	
6B-58	K 1 0 0 0 0 0 0 8 2 D	2.6 compression spring 17.2 70	1	1	
6B-59	K 5 0 0 0 0 8 0 0 0 2	8 washer	1	1	
6B-60	K 0 1 0 0 0 8 0 0 0 2	8 nut	3	3	
6B-61	K 5 0 5 1 0 1 6 2 4 0	1C5191P washer 1624	1	1	
6B-62	K 0 4 0 0 0 1 2 0 0 2	Stop ring E12	1	1	
6B-63	K 0 0 0 0 0 6 0 4 0 2	6 bolt 40	1	1	
6B-64	K 0 1 0 0 0 6 0 0 0 2	6 nut	3	3	
6B-65	K 0 0 0 0 0 6 0 2 0 2	6 bolt 20	1	1	
6B-66					
6B-67					
6B-68					
6B-69					
6B-70					

6B. Handle/engine/brake (Fingertip Control Type)



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
6B-71					
6B-72					
6B-73					
6B-74					
6B-75	K 0 0 0 0 0 8 0 2 0 2	8 bolt 20	0	2	
6B-76	K 0 2 0 0 0 8 0 0 0 2	8S washer	1	5	
6B-77	K 3 6 5 0 0 0 0 0 5 0	Hour meter PET-3200RK	1	1	
6B-78	K 3 6 2 0 0 0 0 8 0 0	Power cable 855	1	1	
6B-79					
6B-80	K 1 0 4 0 0 0 0 0 6 8	1 hook spring 1052	1	1	
6B-81	L M 5 6 G -- 7 8 1 3 Z 2	6 adjusting lot 30B	1	1	
6B-82	K 0 1 8 0 0 6 0 0 0 2	6 left-handed thread nut	1	1	
6B-83	L M 5 6 G -- 7 8 1 2 Z 2	6 adjusting lot 30A	1	1	
6B-84	K 0 4 0 0 0 6 0 0 2	Stop ring E6	2	2	
6B-85	L M 5 6 G -- 7 8 1 5 Z D	Safety lock lever	1	1	
6B-86	K 1 0 5 0 0 0 0 0 7 8	1.8 coil spring 11.6	1	1	
6B-87	K 1 3 2 0 0 0 0 1 3 0	Lever cap	1	1	
6B-88	K 0 0 0 0 0 8 0 1 2 2	8 bolt 12	0	2	
6B-89	L M 6 6 G -- 0 7 0 9 Z R	Reinforcement plate	0	1	
6B-90	K 0 9 0 0 3 0 0 1 2 0	Grommet C30SG12A	1	1	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	

7. Groomer

※The number of dethatching blades, collars, adjusting washers, and washers differs according to the models.

	LM56GF	LM66GF	LM56GS	LM66GS	LM56GS-1	LM66GS-1
7-23 (0.5mm)	78	92	39	46	0	0
7-22	81	95	81	95	82	95
7-24	3~5	4~6	0	0	0	0
7-70	0	0	38	45	0	0
7-73 (1.0mm)	0	0	0	0	39	46

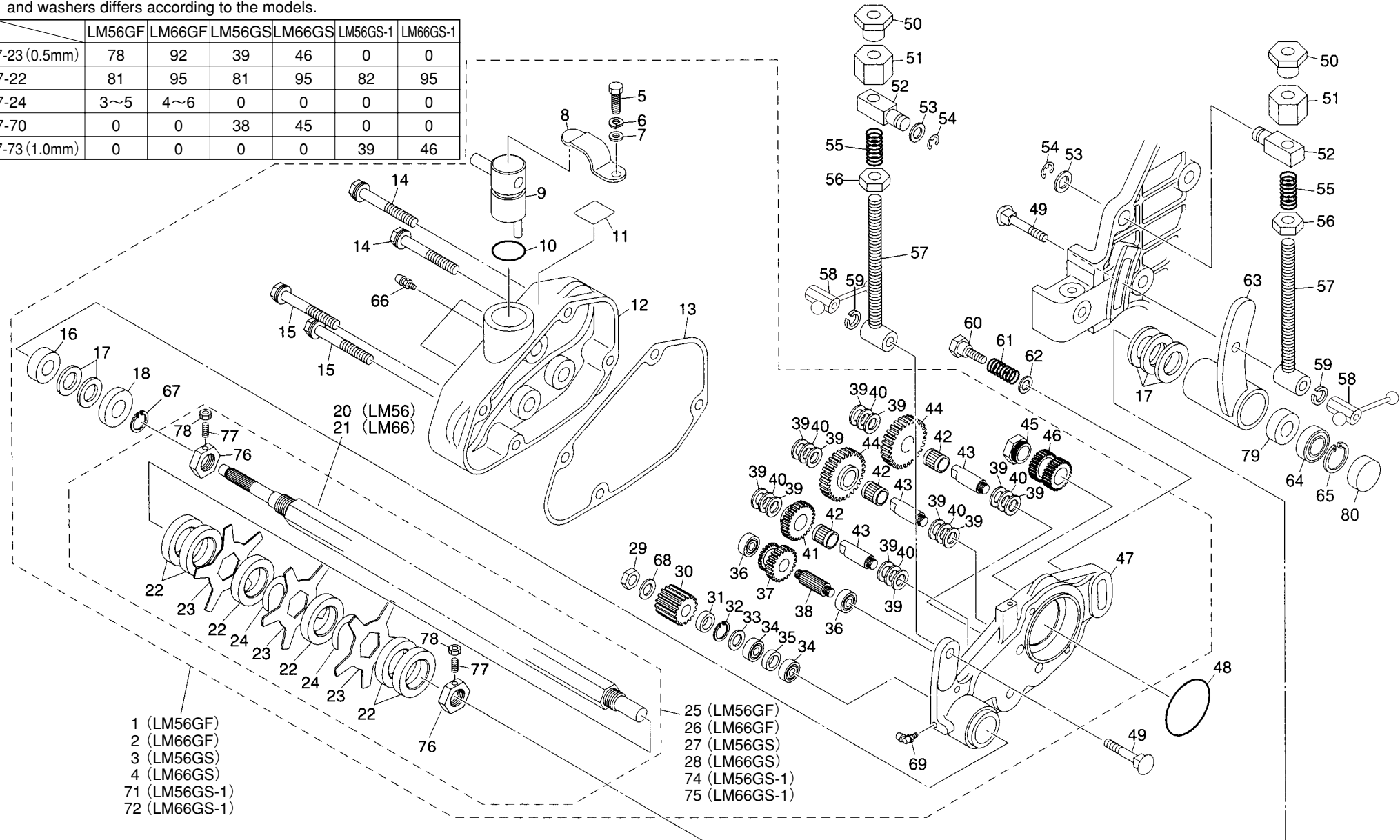
A

B

C

D

E



- 1 (LM56GF)
- 2 (LM66GF)
- 3 (LM56GS)
- 4 (LM66GS)
- 71 (LM56GS-1)
- 72 (LM66GS-1)

- 25 (LM56GF)
- 26 (LM66GF)
- 27 (LM56GS)
- 28 (LM66GS)
- 74 (LM56GS-1)
- 75 (LM66GS-1)

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
7-1	L M 5 6 G -- 2 6 0 1 Z 0	56 groomer gear 78 ass'y	1		
7-2	L M 6 6 G -- 1 2 2 0 Z 0	66 groomer gear 92 ass'y	0		
7-3	L M 5 6 G -- 1 5 0 1 Z 0	56 groomer gear 39 ass'y	1		
7-4	L M 6 6 G -- 1 5 0 1 Z 0	66 groomer gear 46 ass'y	0		
7-5	K 0 0 0 0 0 6 0 1 0 2	6 bolt 10	1		
7-6	K 0 2 0 0 0 6 0 0 0 2	6S washer	1		
7-7	K 5 0 0 0 0 6 0 0 0 2	6 washer	1		
7-8	K 1 0 9 0 0 0 0 0 5 8	Clutch retainer spring	1		
7-9	K 7 3 2 1 0 0 0 1 4 8	Vertical clutch lever	1		
7-10	K 0 8 8 0 0 1 8 0 0 0	O-ring P18	1		
7-11	K 4 2 0 3 0 0 1 1 2 0	Groomer indication mark	1		
7-12	K 6 9 0 2 0 0 0 0 4 R	Gear case cover	1		
7-13	K 4 0 1 1 0 0 0 3 2 0	Gear case cover packing	1		
7-14	K 0 0 0 7 0 6 0 5 0 2	6 bolt 50 SW	2		
7-15	K 0 0 0 7 0 6 0 4 0 2	6 bolt 40SW	2		
7-16	K 0 8 2 1 5 2 2 0 7 0	Oil seal MHSA15227	1		
7-17	K 5 0 5 1 0 1 5 2 8 0	1C5191P washer 1528	5		
7-18	K 5 3 0 0 0 0 0 2 9 3	Dustproof cover	1		
7-19					
7-20	K 6 0 8 4 0 0 0 1 1 8	Vertical blades shaft	1		
7-21	L M 6 6 G -- 1 2 1 1 Z 8	Vertical blades shaft	0		
7-22	K 6 2 1 4 0 0 0 0 3 0	19.7 AC Collar 326.1	81		
7-23	K 2 5 7 0 0 0 0 0 1 9	Dethatching blade	78		
7-24	K 5 0 9 0 0 0 0 6 7 3	0.5SPCC adjusting washer	5		
7-25	L M 5 6 G -- 1 2 1 9 Z 0	Groomer reel 78COMP	1		
7-26	L M 6 6 G -- 1 2 1 9 Z 0	Groomer reel 92COMP	0		
7-27	L M 5 6 G -- 1 5 0 2 Z 0	Groomer reel 39COMP	1		
7-28	L M 6 6 G -- 1 5 0 2 Z 0	Groomer reel 46COMP	0		
7-29	K 0 1 6 0 0 0 0 3 2 2	10 left-hand thread nut P1	1		
7-30	K 6 1 8 0 0 0 0 1 6 0	20-tooth vertical gear	1		
7-31	K 6 2 1 2 0 0 1 9 1 0	12.1 STKM collar 176	1		
7-32	K 0 4 0 2 0 2 4 0 0 1	Stop ring R24	1		
7-33	K 0 2 2 0 1 6 0 1 1 0	16011 corrugated washer	1		
7-34	K 0 6 1 1 0 6 9 0 1 0	Bearing 6901RDC3	2		
7-35	K 6 2 1 2 0 0 1 5 9 0	12.1STKM collar 1714	1		

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
7-36	K 0 6 0 8 0 6 0 0 0 0	Bearing 60002RS	2		
7-37	K 6 1 8 0 0 0 0 1 5 0	23-tooth clutch gear	1		
7-38	K 6 1 0 0 0 0 0 1 0 0	Clutch shaft	1		
7-39	K 5 0 5 1 0 1 0 1 6 0	1C5191P washer 1016	12		
7-40	K 5 0 2 0 8 1 0 1 6 0	0.8NBS55 washer 1016	6		
7-41	K 6 1 8 6 0 0 0 0 4 0	18-tooth gear B	1		
7-42	K 0 7 0 1 0 1 3 1 0 0	Needle KT101310	3		
7-43	K 6 1 2 0 0 0 0 3 1 0	Intermediate shaft	3		
7-44	K 6 1 8 6 0 0 0 0 5 0	24-tooth gear	2		
7-45	L M 5 6 G -- 1 2 0 8 A 0	Reel gear securing nut	1		
7-46	L M 5 6 G -- 1 2 0 4 Z 0	20-tooth gear	1		
7-47	K 6 9 0 1 0 0 0 1 3 R	Vertical gear case	1		
7-48	K 0 8 8 2 0 4 5 0 0 0	O-ring G45	1		
7-49	K 0 0 2 5 0 8 3 2 0 2	8 square-root round-head bolt 55	2		
7-50	L M 5 6 G -- 1 2 1 6 Z 2	8 special nut B	2		
7-51	L M 5 6 G -- 1 2 1 5 Z 2	8 special nut A	2		
7-52	L M 5 6 G -- 1 2 1 7 Z 2	Adjusting bush	2		
7-53	K 5 0 1 1 0 1 3 2 2 2	1SPCC washer 1322	2		
7-54	K 0 4 0 0 0 1 0 0 0 2	Stop ring E10	2		
7-55	K 1 0 0 0 0 0 0 2 3 8	1.4 compression spring 13.432	2		
7-56	K 0 1 0 0 0 8 0 0 0 2	8 nut	2		
7-57	L M 5 6 G -- 1 2 1 8 Z 2	Adjusting screw 108	1		
7-58	K 1 3 3 0 0 0 0 0 5 0	Screw with handle P1.25	2		
7-59	K 0 2 0 0 0 8 0 0 0 2	8S washer	2		
7-60	K 6 0 8 3 0 0 0 1 4 3	Right case locking bolt	1		
7-61	K 1 0 0 0 0 0 0 3 0 9	1.6 compression spring 13.720	1		
7-62	K 5 0 9 0 0 0 0 2 5 0	2C5191P washer 8.522	1		
7-63	L M 5 6 G -- 1 2 1 2 B R	Left vertical housing	1		
7-64	K 0 6 0 8 0 6 9 0 2 0	Bearing 69022RS	1		
7-65	K 0 4 0 2 0 2 8 0 0 1	Stop ring R28	1		
7-66	K 1 4 4 0 0 0 0 0 1 0	Grease nipple	3		
7-67	K 0 4 0 1 0 1 5 0 0 1	Stop ring S15	1		
7-68	K 0 2 1 3 1 0 0 0 0 1	10 disc spring washer 1H	1		
7-69	K 1 4 4 0 0 0 0 0 2 0	C-type grease nipple	1		
7-70	K 5 0 9 0 0 0 0 6 5 3	0.5SPCC washer 19.732	0		

7. Groomer

※The number of dethatching blades, collars, adjusting washers, and washers differs according to the models.

	LM56GF	LM66GF	LM56GS	LM66GS	LM56GS-1	LM66GS-1
7-23 (0.5mm)	78	92	39	46	0	0
7-22	81	95	81	95	82	95
7-24	3~5	4~6	0	0	0	0
7-70	0	0	38	45	0	0
7-73 (1.0mm)	0	0	0	0	39	46

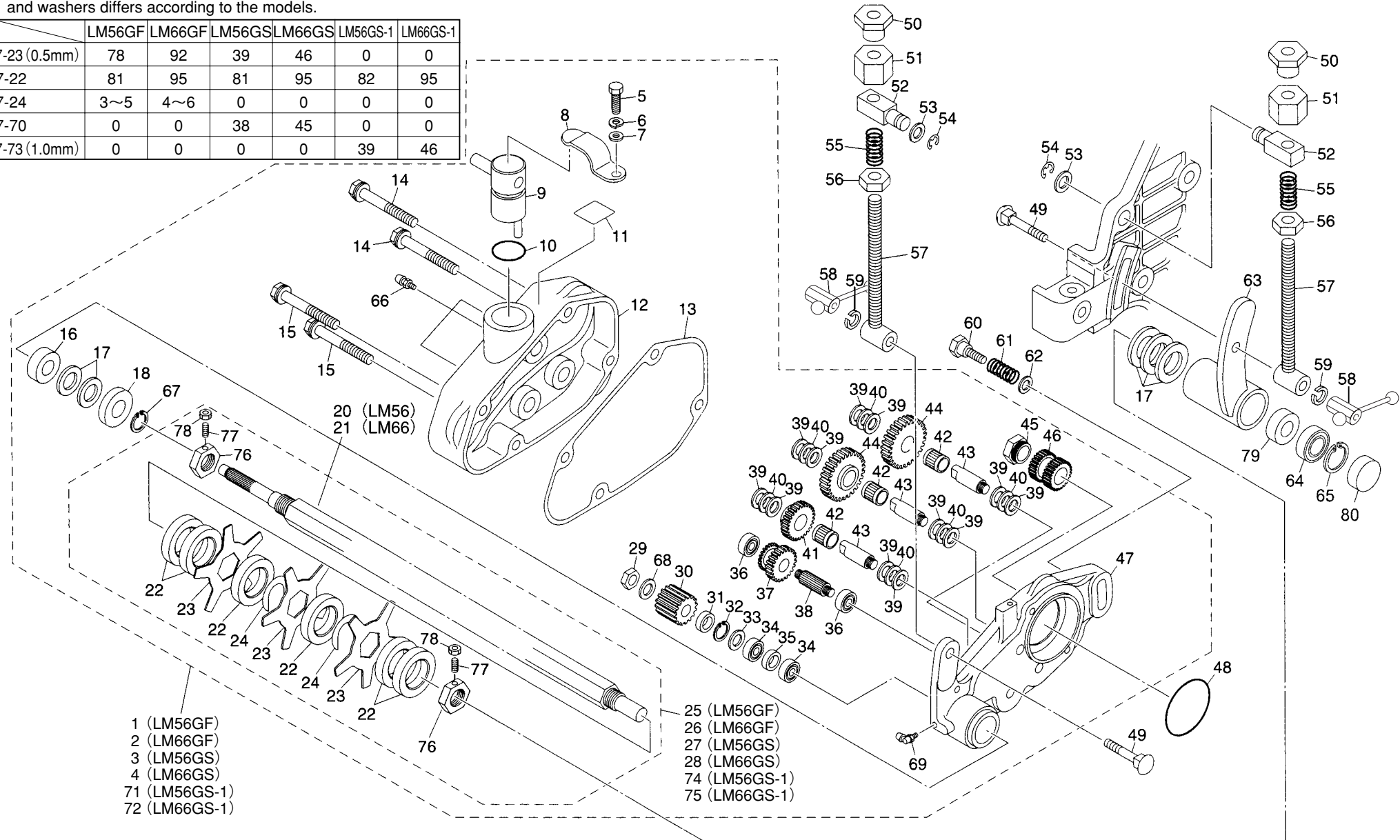
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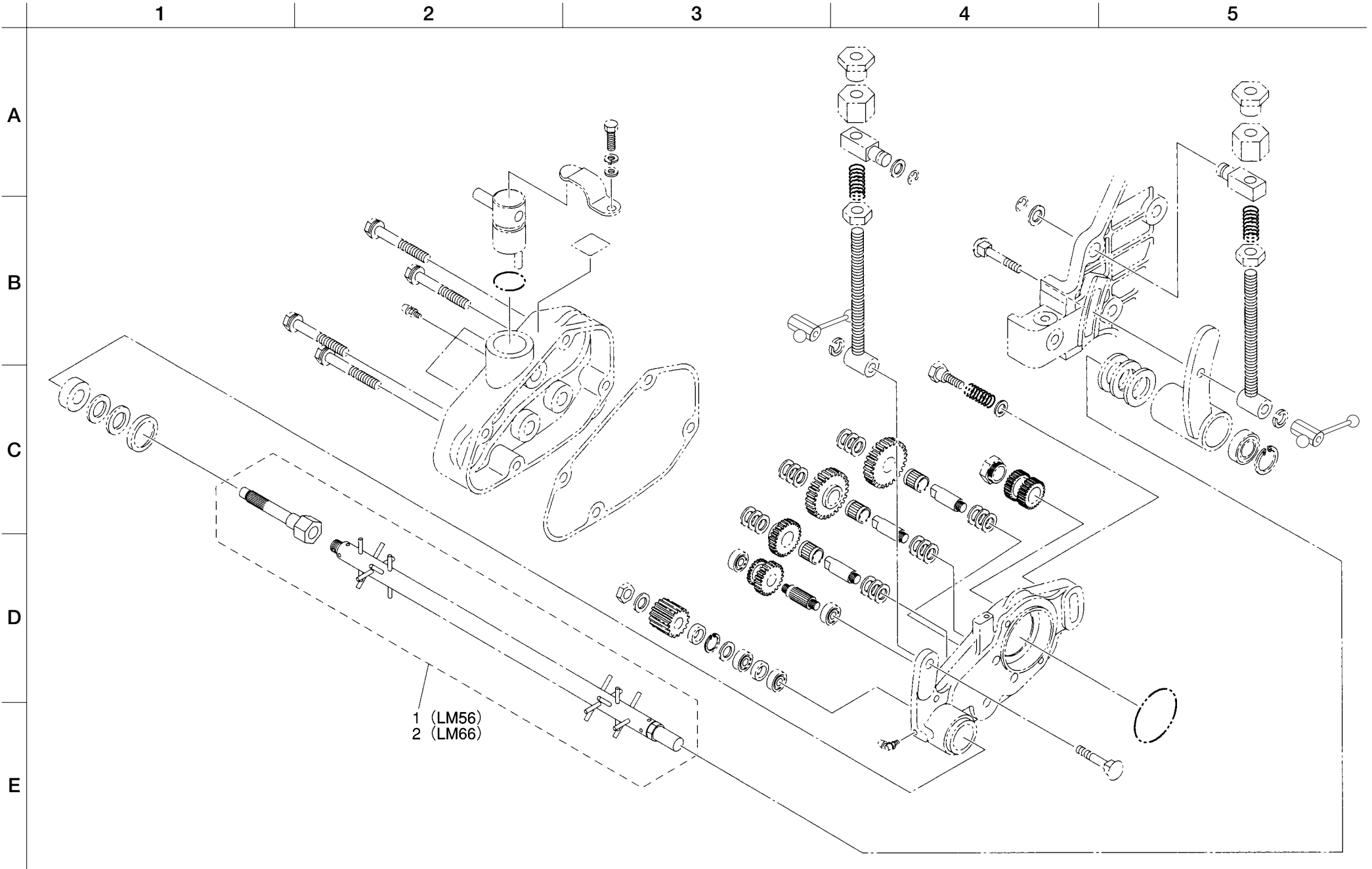
- 1 (LM56GF)
- 2 (LM66GF)
- 3 (LM56GS)
- 4 (LM66GS)
- 71 (LM56GS-1)
- 72 (LM66GS-1)

- 25 (LM56GF)
- 26 (LM66GF)
- 27 (LM56GS)
- 28 (LM66GS)
- 74 (LM56GS-1)
- 75 (LM66GS-1)

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
7-71	L M 5 6 G -- 2 1 0 1 Z 0	56 groomer 39-1 Ass'y	1		
7-72	L M 6 6 G -- 2 1 0 1 Z 0	66 groomer 46-1 Ass'y	0		
7-73	K 2 5 7 0 0 0 0 0 9 9	Dethatching blade 63-1	39		
7-74	L M 5 6 G -- 2 1 0 2 Z 0	Groomer reel 39-1COMP	1		
7-75	L M 6 6 G -- 2 1 0 2 Z 0	Groomer reel 46-1COMP	0		
7-76	K 0 1 6 0 0 0 0 6 0 2	17 special nut P1M4	2		
7-77	K 0 0 2 3 0 0 0 0 4 1	4 hollowset 8	2		
7-78	K 0 1 0 0 0 4 0 0 0 2	4 nut	2		
7-79	K 0 8 2 1 5 2 5 0 7 0	Oil seal MHS A15257	1		
7-80	K 0 8 9 0 0 0 0 0 6 0	Stopper 30	1		

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	

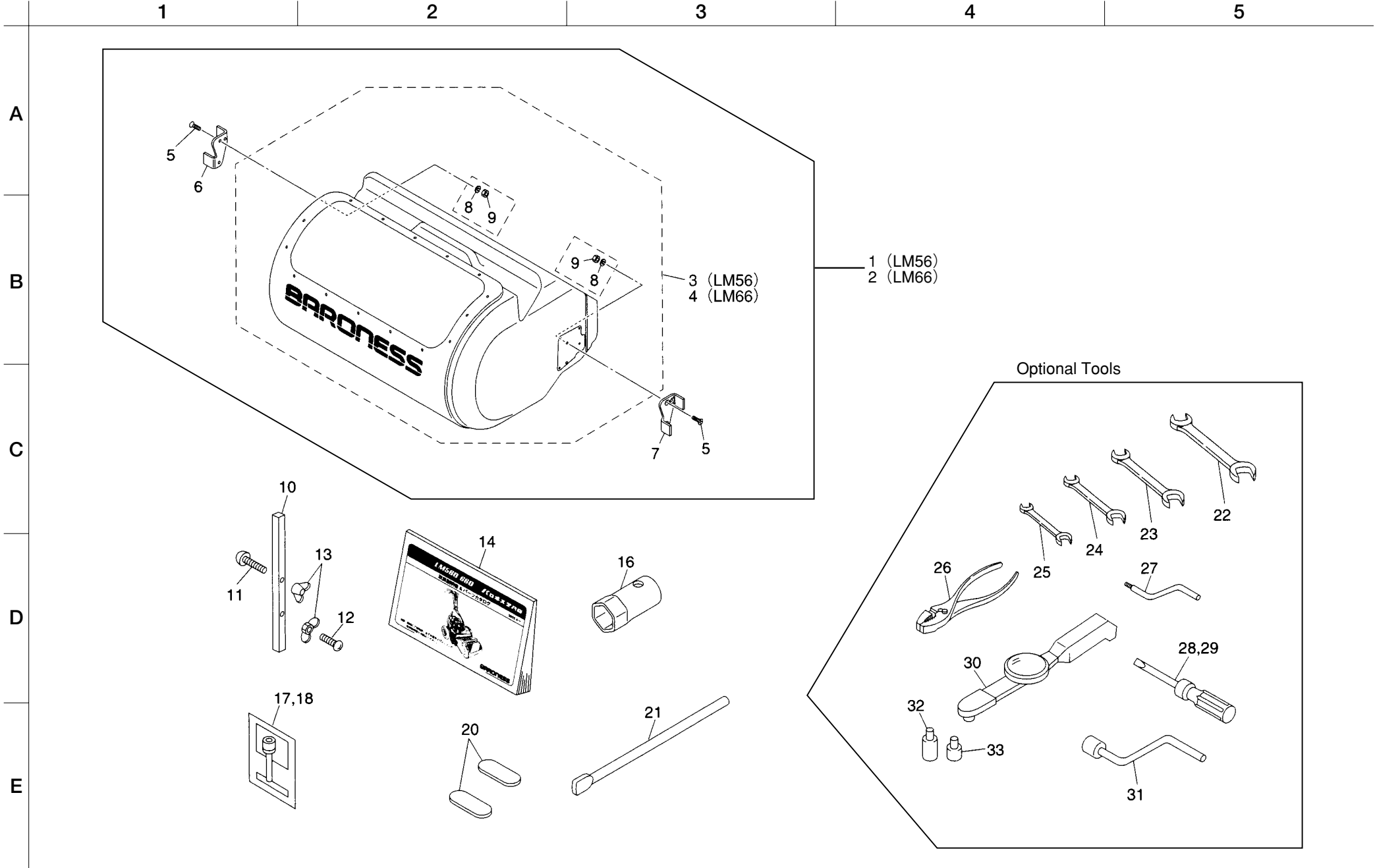
8. Brush



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
8-1	K 4 1 5 0 0 0 1 9 0	Ass'y with brush shaft	1		
8-2	L M 6 6 G -- 1 4 0 4 Z 0	Ass'y with brush shaft	0		
8-3					
8-4					
8-5					
8-6					

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	

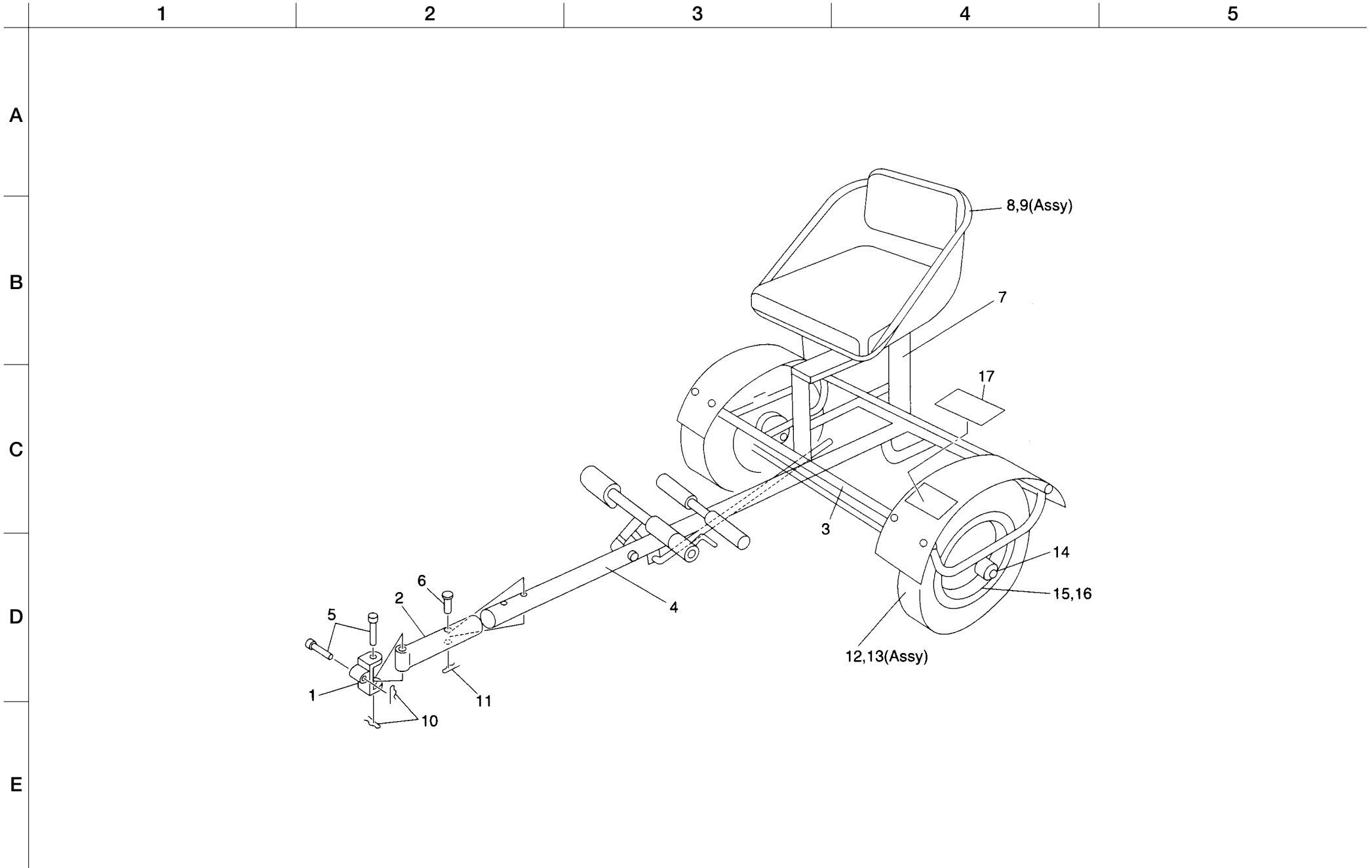
9. Grass catcher/tool



Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	
9-1	L M 5 6 G— 0 8 0 3 Z 0	Grass catcher 56 ass'y	1	0	
9-2	L M 6 6 G— 0 8 0 3 Z 0	Grass catcher 66 ass'y	0	1	
9-3	L M 5 6 G— 0 8 0 4 Z 0	Grass catcher 56 COMP	1	0	
9-4	L M 6 6 G— 0 8 0 4 Z 0	Grass catcher 66 COMP	0	1	
9-5	K 0 0 4 1 0 6 0 2 0 2	6 + countersunk head screw 20	4	4	
9-6	K 5 2 7 6 0 0 0 0 2 D	Right latch	1	1	
9-7	K 5 2 7 6 0 0 0 0 1 D	Left latch	1	1	
9-8	K 0 2 0 0 0 6 0 0 0 2	6S washer	4	4	
9-9	K 0 1 0 0 0 6 0 0 0 2	6 nut	4	4	
9-10	K 6 0 9 0 0 0 0 0 7 2	Mowing height gauge 3	1	1	
9-11	K 0 0 4 6 0 6 0 5 0 2	6 + tapping screw C-1 round head 50	1	1	
9-12	K 0 0 4 6 0 6 0 3 0 2	6 + tapping screw C-1 round head 30	1	1	
9-13	K 0 1 4 1 0 6 0 0 0 2	6 wing nut	2	2	
9-14	L M 5 6 G— 2 0 0 6	LM56G parts catalog	1	1	
9-15					
9-16	K 4 8 1 2 1 7 0 1 9 2	Box spanner 17 x 19	1	1	
9-17	K 2 6 2 0 E X 1 3 D— 0 1	EX13D Operation Manual	1	1	
9-18	K 2 6 2 0 E X 1 3 D— 1 0	EX13D tool	1	1	
9-19					
9-20	K 4 8 0 2 0 0 0 1 2 0	0.5 thickness gauge	2	2	
9-21	K 5 4 0 2 0 0 0 0 1 2	6 shaft 122	1	1	
9-22	K 4 8 1 0 2 4 0 2 7 2	Spanner 24 x 27	1	1	
9-23	K 4 8 1 0 1 9 0 2 2 2	Spanner 19 x 22	1	1	
9-24	K 4 8 1 0 1 3 0 1 7 2	Spanner 13 x 17	1	1	
9-25	K 4 8 1 0 0 8 0 1 0 2	Spanner 8 x 10	1	1	
9-26	K 4 8 3 0 0 0 0 0 1 2	Pliers	1	1	
9-27	K 6 1 2 5 0 0 0 0 5 2	Reel lapping handle	1	1	
9-28	K 4 8 2 0 0 0 0 0 1 0	+/- screwdriver	1	1	
9-29	K 4 8 2 0 0 0 0 0 2 0	- screwdriver through 200	1	1	
9-30	K 4 8 0 2 0 0 0 3 7 0	Torque wrench 6-60	1	1	
9-31	K 4 8 0 2 0 0 0 3 8 2	Lapping handle	1	1	
9-32	K 4 8 0 2 0 0 0 3 6 4	Socket adapter 9.5 x 12.7	1	1	
9-33	K 4 8 0 2 0 0 0 3 5 4	Socket adapter 6.35 x 9.5	1	1	

Catalog No.	Code No.	Part Name	Qty/Unit		Notes
			LM56	LM66	

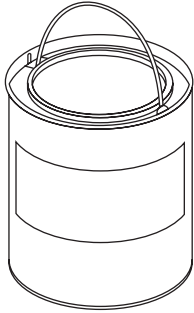
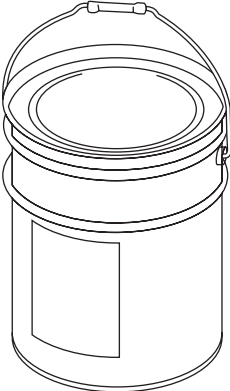
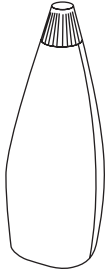
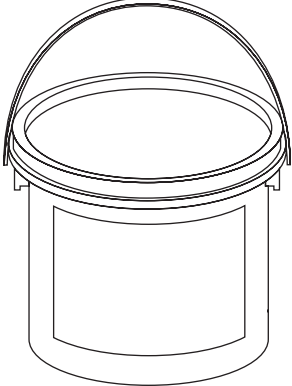
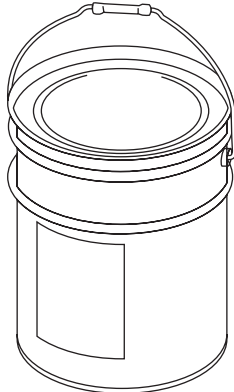
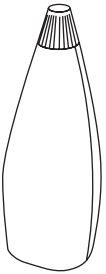
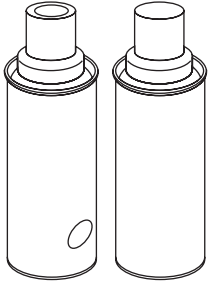
10. Sulky unit



Catalog No.	Code No.	Part Name	Qty /Unit	Notes
10-1	K 7 1 4 6 0 0 0 0 3 2	13 hitch bracket 44	1	
10-2	K 7 1 4 5 0 0 0 0 3 R	44 joint bracket 200	1	
10-3	K 7 8 9 9 0 0 0 2 3 R	Sulky cargo bed	1	
10-4	K 7 1 4 7 0 0 0 0 4 R	Sulky tow bar 940	1	
10-5	K 6 0 6 2 0 0 0 0 1 2	12.7 hitch pin 66	2	
10-6	K 6 0 4 1 1 0 0 5 4 8	Wheel mounting pin 54	1	
10-7	K 5 2 7 6 0 0 0 1 1 R	Saddle mounting plate	1	
10-8	K 1 7 0 1 0 0 0 0 1 0	Saddle GTM	1	
10-9	K 1 7 0 0 0 0 0 0 4 0	Saddle GTM base ass'y	1	
10-10	K 0 3 3 1 3 0 0 0 0 2	13 snap pin	2	
10-11	K 0 3 3 1 0 0 0 0 0 2	10 snap pin	1	
10-12	K 2 0 3 1 0 0 0 0 4 0	Tire 3.00-8 2PR	2	
10-13	K 2 0 3 0 0 0 0 0 5 0	Tire 3.00-8 ass'y	2	
10-14	K 2 0 9 1 0 0 0 1 4 0	Tube 3.00-8	2	
10-15	K 2 0 9 0 0 0 0 0 8 L	Wheel 3.00-8 with valve hole	2	
10-16	K 2 0 9 0 0 0 0 0 9 L	Wheel 3.00-8	2	
10-17	K 4 2 0 5 0 0 0 7 1 0	Public road transport sulky caution mark	1	

Catalog No.	Code No.	Part Name	Qty /Unit	Notes

11. Maintenance supplies

	1	2	3	4	5
A	<p>■ DYNAMAX EP1 grease for gear transmission and sliding sections</p>			<p>■ Gel compound</p>	
B					
C	<p>2.5kg Can (K2929002500)</p>	<p>16kg Can (K2929016000)</p>	<p>500g tube (K2929000500)</p>	<p>Gel compound #220 1 Can (3.5kg) (6902110) Gel compound #220 1 case (4 Cans) (6902111)</p>	
D	<p>■ Excelite Ep2 grease for bearing</p>			<p>■ BARONESS lacquer spray (400 ml)</p>	
E					
	<p>18kg Can (2931018000)</p>	<p>400g tube (K2931000400)</p>		<p>Wine red (750301) Light gray (7503021)</p>	

Manufacturer's Declaration of Conformity for

Product Identification

Product : Walk-behind lawnmower
Brand : BARONESS (Saxon)
Type : LM56GF
Starting Serial No. : 11880
Measured Sound Power Level : LWA 97.73 dB
Guaranteed Sound Power Level : LWA 98 dB
Manufacturer
Name : Kyoeisha Co., Ltd.
Address : 1-26 Miyuki-cho, Toyokawa, Aichi-pref.,
Japan

Technical Documentation

Keeper's Name : Kyoeisha Co., Ltd.
Keeper's Address : 1-26 Miyuki-cho, Toyokawa, Aichi-pref.,
Japan

Conformity Assessment Procedure :

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

Involved Notified Body

Name : SNC-H
Address : 11, Route de Sandweiler
5230 Sandweiler
Luxembourg

Technical Construction File

Date : January 31, 2007
Technical Construction File No. : No. TC056GF-02
Test Laboratory : TUV Rheinland Luxembourg GmbH
Centre Commercial "Le2000" Z.I. Route de Bettembourg
L-3378 LIVANGE Luxembourg

Means of conformity

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

References of other Community Directives applied 98/37/EC

Signature :



Katsuaki Makino
Manager
Development Dept.
Kyoeisha Co., Ltd.

Date :

January 31, 2007

Manufacturer's Declaration of Conformity for

Product Identification

Product : Walk-behind lawnmower
Brand : BARONESS
Type : LM66 version T
Starting Serial No. : 10108
Measured Sound Power Level : LWA 97.20 dB
Guaranteed Sound Power Level : LWA 98 dB
Manufacturer
Name : Kyoisha Co., Ltd.
Address : 1-26 Miyuki-cho, Toyokawa, Aichi-pref.,
Japan

Technical Documentation

Keeper's Name : Kyoisha Co., Ltd.
Keeper's Address : 1-26 Miyuki-cho, Toyokawa, Aichi-pref.,
Japan

Conformity Assessment Procedure :

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

Involved Notified Body

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5230 Sandweiler
Luxembourg

Technical Construction File

Date : January 11, 2007
Technical Construction File No. : No. TC066-00
Test Laboratory : TUV Rheinland Luxembourg GmbH
Centre Commercial "Le2000"Z.I. Route de Bettembourg
L-3378 LIVANGE Luxembourg

Means of conformity

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References of other Community Directives applied

98/37/EC

Signature :



Hiroyuki Tazawa
Manager
GS Promotion Dept.
Kyoisha Co., Ltd.

Date :

January 11, 2008



KYOISHA CO., LTD.

Head Office
1-26, Miyuki-cho, Toyokawa,
Aichi-Pref. 442-8530 Japan.

BRONSS
Turf Care Machinery
Tel : (0533)84-1390
Fax : (0533)89-3623