



***HANMEY***  
***IMPLEMENTS***

**FLAIL MOWER**  
**AGL AGLB AGLC Series**

**Operation, Service & Parts Manual**  
**For**  
**AGL Off-set Mulcher**

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# GENERAL INFORMATION

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## INTRODUCTION:

The AG Flails are primarily designed to mow grass, weeds and light brush.

The mowers are assembled for operation with 1000 RPM tractor input only (rated PTO up to 45 HP), and supplied standard with Cat. I lift pins for tractor attachment.

The mowers can fit Cat. I quick attach hitch, by using suitable bushings to adapt diameters of lift pins.

## SYMBOLS:

This booklet contains three "safety graphic symbols" which highlight the relevant danger levels or important information:



**It draws the operator's attention to situations which can jeopardize people's safety.**



**It draws the attention to situations which jeopardize the machine efficiency but not people's safety.**



**It highlights general information which does not endanger people's safety or the efficiency of the parts.**

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# SAFETY LABELS

## SAFETY LABELS:

The safety labels and the information on the machine, listed in the following table, must be necessarily read and respected; failure to follow these warnings can cause death or severe injuries. Make sure that the labels are always present and legible, should this not be the case, contact your nearest Gear more dealer to replace the missing or illegible ones.



**1. WARNING** The operations of regulation and maintenance must be carried out after having read the use and maintenance handbook, with the machine still and the disengaged ignition key



**2. WARNING – DANGER** of fluids under pressure. Read the handbook before to intervene and in case of injury address to a doctor.



**3. WARNING** Make sure of the rotation direction and of the number of revolutions (540 rev./min.) of the power taking of the tractor before to insert the PTO shaft.



**4. WARNING – DANGER** Make sure that the shredder is completely still before to approach to it.



**5. WARNING – DANGER** of shearing of the feet. Keep the distance.



**6. WARNING** Possible throw of material and/or objects, *do not stand, get through or approach to the machine.*

**Keep a minimum safety distance of 70 m from the machine**



**7. WARNING** It is forbidden to go on the machine when it is in movement.



**8. WARNING** Danger of catching and dragging. Do not approach the hands to the transmission shaft in motion.



**9. WARNING** Do not stand between the tractor and the machine.

# SAFETY LABELS

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**10. DANGER** of crash for the legs. Keep the proper distance.



**11. DANGER** of squashing / shearing of the hands.



**12. WARNING** Hot surface. Keep the proper distance



**13. WARNING** Do not remove or open the protection carters till the belts are completely still



**14. WARNING DANGER** of squashing. Do not stand in the move and side shifting zone of the machine.



**15. WARNING:** for the lifting, hook the machine exclusively in the indicated points.



**16.** Use the requested Individual Protection Devices.



**17.** Greasing points

# SAFETY

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## ALLOWED USE:

AG flail mowers, as described in this instruction and maintenance booklet, have been specifically designed to mow grass, weeds, and light brush up to 1" diameter. Any other use jeopardizes the operator's safety and the machine integrity.

## IMPROPER USE:

The mower was designed to mow grass, weeds, and light brush only. Only operate this mower on a properly sized and equipped tractor.

When using AG flail mowers, it is particularly **forbidden**:

- The attachment to tractors of unsuitable power or weight.
- To use other than 1000 R.P.M. PTO speed.
- To work in excessively stony grounds.
- To work on excessive slopes.
- To approach the machine when wearing inappropriate work clothing.
- To get on the machine while it is being used or transported.

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**Operating this mower in an application for which it is not designed and/or operating with the wrong size tractor can cause mower component damage and equipment failure resulting in possible serious injury or death.**



## SAFETY

### SAFETY IN THE WORKPLACE:

Most of the accidents which take place while the operator is using the machine or the equipment or during their maintenance or repair are caused by a lack of compliance with the basic safety precautions. It is necessary, therefore, to become more and more conscious of the potential risks of one's action by constantly paying attention to its effects.

**If potentially dangerous situations are known, accidents can be prevented!**

### OPERATOR'S REQUIREMENTS:

**Physical:** good eyesight, coordination and capability of carrying out all functions required for the machine's use.

# SAFETY

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**Mental:** Capability of understanding and applying the established rules and safety precautions. Users must pay attention and be sensible for their own and other people's safety.

**Training:** users must have read and studied this manual, its eventual enclosed graphs and schemes and its identification and danger plates. They must be skilled and trained on any use or maintenance activities.

## WORK CLOTHING:

When working and especially when executing repair or maintenance activities, it is necessary to wear the following clothing and safety accessories:

- Overalls or other comfortable clothing, not too loose to prevent the possibility that parts of them might be caught in the moving parts.
- Protective gloves for hands.
- Protective glasses or faceplate to protect eyes and face.
- Protective helmet for the head.
- Safety shoes



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**Wear only personal safety accessories in good condition and complying with the rules in force.**

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## GENERAL SAFETY RULES

### **ALWAYS CONSIDER THE FEATURES OF THE AREA WHERE WORK IS TAKING PLACE:**

- When the equipment is running, it is forbidden to stand within the field of action of the shredder or of the other accessories of which it is provided with.

## **PREPARE THE WORK:**

- Before and when working, do not drink alcohol, take drugs, or any other substances which may alter your capability of working with machine tools.
- Be sure to have sufficient fuel, to prevent a forced stopping of the machine, maybe during a critical movement.
- Do not use the equipment under unsafe conditions. For instance, it is forbidden to execute makeshift repair activities just to start working; it is forbidden to work at night with an insufficiently illuminated working area.
- NEVER operate implement without all shields in place and in good operational condition. The operator must be familiar with the mower and tractor and all associated safety practices before operating the mower and tractor.

## **WHEN WORKING OR DURING THE MAINTENANCE ACTIVITIES IT IS NECESSARY TO**

### **REMEMBER:**

- The labels and stickers providing instructions and pointing out the dangers, must not be removed, hidden, or made illegible.
- Do not remove, except in case of maintenance, the shields, guards, and deflectors equipped on the mower. When it is necessary to remove them, stop engine, handle with care and reassemble them properly before restarting the engine and using the equipment. The mower is equipped with protective deflectors to prevent objects being thrown from the mower by the blades, however, no shielding is 100% effective. All shields, guards, and deflectors equipped on the mower must be maintained in good operational condition.
- It is forbidden to lubricate, clean and adjust the moving parts while they are running.
- During maintenance or adjustment activities on the equipment it is forbidden to use hands for executing operations for which there are specific tools.
- Do not use tools in bad condition or inappropriately, for instance pliers

rather than monkey spanners, etc.

- When maintenance or repairs are completed check out that no tools, wiping rags, or other materials are left inside spaces or guides with moving parts.
- While using the equipment, it is forbidden to make more than one person give directions and make signals. The eventual directions and signals relating to the load handling must be given by one person only.
- Do not unexpectedly call an operator while he is working if not necessary; it is forbidden as well to frighten or throw objects at the operator, even if just for fun.
- Watch out for those who are present, especially the children!
- Do not make people get on the machine.
- When the equipment is not needed, stop the vehicle's engine, park it on flat ground with first speed and parking brake on, with the machine rested on the ground and PTO disengaged.
- Do not clean, lubricate, repair or adjust with the engine running and the machine lifted.
- Never use the machine on steep slopes which may jeopardize the equipment's stability.

**The manufacturer declines all responsibility for a lack of compliance with these instructions.**

# SET UP

## ATTACHMENT TO THE TRACTOR

Before operating the mower, carefully read this Operator's Manual, completely understand the safety instructions, and know how to operate correctly both the tractor and the PTO shaft, reading carefully the instruction manuals of the tractor and PTO shaft manufacturers.

All AG flail mowers have been manufactured to be attached to any tractor provided with hydraulic and universal 3-point hitch.

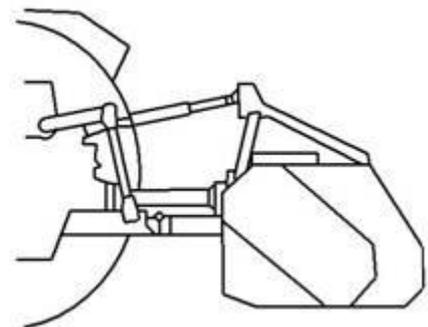
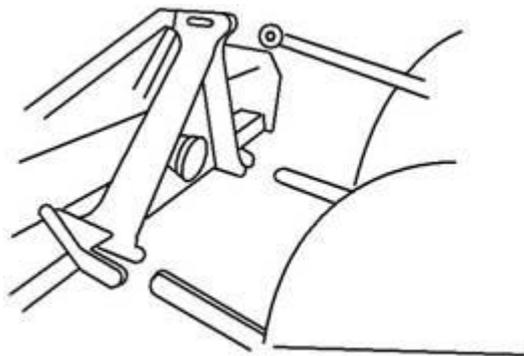
The tractor used to operate the mower must have the power, capacity, and required equipment to safely operate the mower. Operating the mower on improperly sized and equipped tractors may cause tractor and/ or mower damage and could be a potential danger to the operator and passers-by.

Before attaching the equipment to the tractor, set both on a flat and smooth ground and make sure that nobody is standing between them.

Move slowly the tractor towards the flail mower by aligning the tractor hydraulic lift arms to the two mower hitches' lateral brackets; stop engine and set parking brake.

Connect first the lower arms by removing the release pins of the brackets placed on the plates, inserting the lift arms into the arms center and fastening them with the relevant release pins, which had been removed.

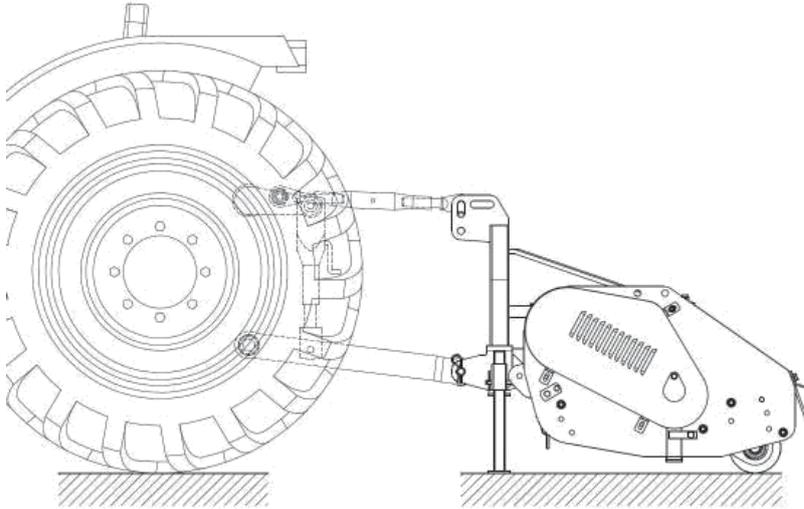
Connect, then, the tractor top link to the third upper point by removing the pin located between the plates, inserting the top link itself and locking it with the pin.



## SET UP

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Adjust the third point so that the upper part of the frame is parallel to the ground.  
Lock all connection parts with the special sway chains or tie rods.



It is always good to make sure that the central gearbox axis is parallel to the ground thus reducing the stresses on the power takeoff and extending the working life of the equipment.

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### **! Danger**

**Pay attention to the tractor's front wheels grip when the equipment is set up and lifted; if the wheels appear to be too lightened, ballast the tractor front tires or add front weights.**

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### **! Caution**

**After executing the above-mentioned activities it is always good to check that all bolts and nuts of your shredder are tightened strongly (refer to the torque specifications in this manual).**

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# SET UP

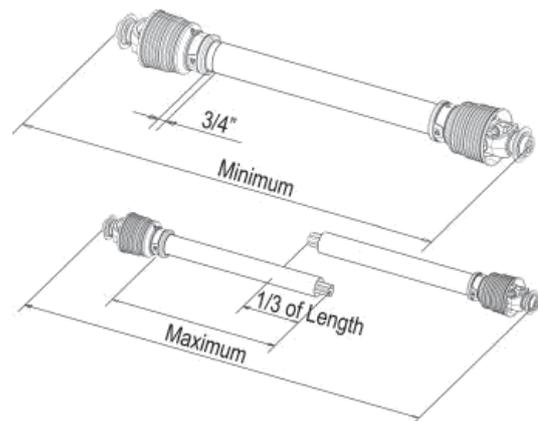
## DRIVELINE ATTACHMENT

Before assembling the PTO shaft, check out that its RPM and direction of rotation match those of the tractor. Moreover, read carefully the instruction manuals of the PTO shaft and the tractor manufacturers. Before starting work, make sure all safety shields are in place. Check in particular that the safety guards cover the PTO shaft throughout its extension. When attaching the mower input driveline to the tractor PTO, be sure that the connecting yoke spring activated locking collar slides freely and the locking balls are seated securely in the groove on the tractor PTO shaft. A driveline not attached correctly to the tractor PTO shaft could come loose and result in personal injury and damage to the implement.



**Make sure the driveline will not bottom out (at its most compressed position there must be at least a 3/4" clearance between each profile end and opposite profile universal joint) or become disengaged (at its farthest extended position a minimum profile engagement of 1/3 of the length must be maintained).**

Check out that the cardan shaft minimum and maximum length are the ones required by the machine-tractor coupling. Should problems arise, contact a skilled repair shop or the driveshaft retailer. After installation, secure safety guards both to the tractor and the machine using the special chains and make sure that they pivot freely. If the PTO shaft is equipped with other safety devices, such as a pair limiter or freewheels, be sure to install them on the machine side. As for the PTO use and maintenance refer to the relevant booklet.

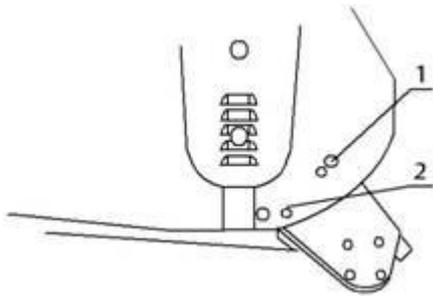


# SET UP

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## WORKING HEIGHT ADJUSTMENT

The machine's working height is determined by the position of the rear roller. Lifting the roller the cutters get close to the soil, whereas lowering it the cutters get far from it. After a modification of the working height be sure that the cutters skim the ground; a direct contact with it would cause their wear and this could affect the cutting rotor balance and may cause objects to be thrown out from under the mower deck.



## FLAIL MOWER ADJUSTMENT

- On a flat piece of ground, attach the Flail Mower to the Tractor using the three point linkage
- Use a solid adjustable top link
- Lower the three point linkage to its lowest position
- With the roller at the rear in contact with the ground, adjust the length of the top link so that the lower edge at the side of the flail mower is parallel with the ground
- Rotate the blade drum by hand so that a row of blades hang vertically towards the ground.
- Measure the clearance between the bottom of the extended blades and the ground.  
Minimum 50mm  
Note in rough or lumpy paddocks the clearance needs to be increased to ensure that the blades dont impact the ground in operation.
- Adjust the roller height to increase or decrease the blade clearance as required
- Go through steps 4 to 7 until the required clearance is achieved.

When the Flail Mower has been set up with the required tolerances:

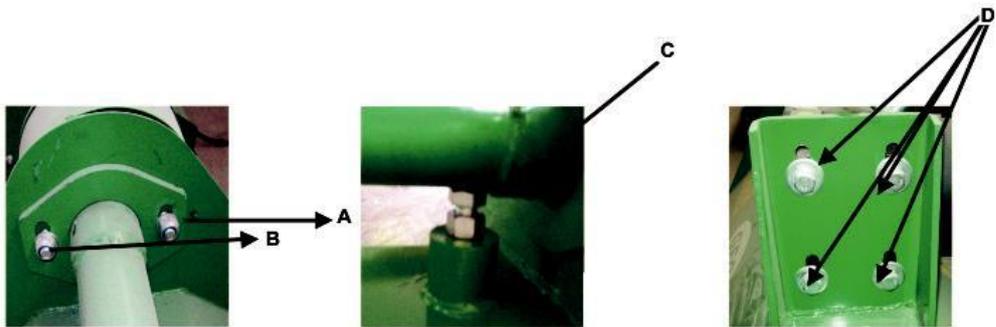
Operate the Flail Mower with tractor in low range and the PTO delivering 1000 RPM

# SET UP

## DRIVE BELT ADJUSTMENT

Loosen the Screw A and B that locks the support shaft and loosen the counter nut C.

Loosen the screws that lock the gear box on the mounting plate D.



Adjust the drive belt tension. The correct belt tension is achieved when the belt can be deflected by the belt thickness about 10mm at the center point between the pulleys.

Align the gearbox so the drive shaft is parallel with the body.

Use a straight edge to make sure the belt pulleys are inline and running true. If misaligned, call your dealer or service agent for technical support.

Fit the safety covers and tighten the mounting bolts before operation.



Approx. 10mm  
Deflection



Align with a  
Straight Edge

# TRANSPORT & STORAGE

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## WORKING SPEED

The working speed depends on quality, diameter and height of the material to be cut; anyway, for efficient mower performance it must be between 2 and 5 MPH. The power takeoff speed must be 1000 RPM maximum. Operate the mower at its full rated PTO speed to maintain blade speed for a clean cut.

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**Do not exceed the rated PTO speed for the implement. Excessive PTO speeds can cause driveline or blade failures resulting in serious injury or death.**

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## ROAD TRANSPORT

Extreme caution should be used when transporting the tractor and implement on public roadways. The tractor must be equipped with all required safety warning features including a SMV emblem and flashing warning lights which are clearly visible from the rear of the unit. Make sure you are in compliance with all local regulations regarding transporting equipment on public roads and highways. Do not exceed 20 MPH (32 kph). Reduce speed on rough roads and surfaces. Always use hazard flashers on the tractor when transporting unless prohibited by law.

## STORAGE

If your shredder will not be used for a long period of time, respect the following suggestions:

1. Wash the machine thoroughly and dry it.
2. Lubricate all bearings with enough grease to eliminate any cavities where water condensation may occur and cause damage. Refer to "Maintenance of the Machine" for location of all grease fittings. Be sure the vent on top of the gearbox is open.

3. Loosen the set nut and spindle jack to relieve drive belt tension (NOTE: Before next season's use, be sure to adjust the drive belt tension.)
4. Coat all exposed surfaces inside the mower with oil or grease to prevent rusting and pitting during storage.
5. Protect the whole machine with a tarpaulin and put it in a dry place.

### **PRE-SEASON CHECK**

1. Check the oil level in the gearbox and lubricate all bearings. See "Lubrication".
2. Adjust drive belt tension. See "Belt Drive".
3. Check out all equipment and replace damaged or worn parts.
4. Tighten all bolts and nuts (See "Torque Specifications").
5. Inspect for missing and/or broken blades/knives. Replace as necessary. See "Knife Replacement".
6. Be sure that the safety guards are in place and secure.
7. Run the Flail Mower at a low RPM checking to make sure that all driveline parts are moving freely.

# MAINTENANCE

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## MAINTENANCE

Maintenance is a fundamental operation to extend life and performances of any agricultural vehicle; taking care of the machine grants you not only a good work execution, but also a longer life of the whole equipment and a greater safety on the workplace.

The operating times indicated in this manual have just an informative character and are referred to normal conditions of use; they can thus undergo variations according to the type of service.

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**Before injecting lubricating grease into the zerks, clean them accurately to prevent mud, dust, or other foreign matters from mixing up with grease, thus diminishing the lubrication effect.**



- **When adding or changing oil, it is better to use the same oil type, in order to avoid mixing oils with different features.**
  - **Before executing maintenance activities on the machine, stop engine, disengage power takeoff, set parking brake and place the equipment on the ground in horizontal position.**
  - **After the first working hours, check that all bolts and nuts are tightened; remember also to check often all the machine safety guards.**
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# MAINTENANCE

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## FIRST CHECK

- Check the correct tension of the driving belt
- Check that all bolts and nuts are tightened
- After the first 50 hours of work, change oil in the gearbox

## EVERY 8 HOURS OF WORK

- Rotate teardrop shaped plate B and grease the shaft support (driveline side) through the lubricating nipple A (picture 1)
- Grease the shaft support (external side) through the lubricating zerk A (picture 2)
- Grease the shaft support (driveline) and the belt tensioner idler pin through the lubricating zerks A and B (picture 3)
- Grease the stabilizing roller through the lubricating zerkA (picture 4)

## EVERY 50 HOURS OF WORK

- Check the correct tension of the driving belt
- Check that all bolts and nuts are tightened
- Check the cutters/hammers for wear
- Check the overgear unit oil level through plug A (picture 5)

## EVERY 500 HOURS OF WORK

- Check that all bolts and nuts are tightened
- Change oil in the overgear unit

## EVERY 1000 HOURS OF WORK

- Replace the driving belt
- 

## GEAR BOX MAINTENANCE

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- The oil should be drained out and replaced after the first 50 hours of operation. Then the oil should be changed every 250 hours, or at least once a year.
- 
- Drain oil from the gearbox thoroughly. Check and clean it. Fill with new gear oil up to the dedicated oil level.
- 
- The draining procedure is as follows: remove the draining bolt under the gear box, so that the oil drains off. After the oil is drained out, put the plug back and fill with gear oil up to the dedicated oil level.
- 
- level.

# MAINTENANCE

|                                     | 8hrs/ Daily |  |  | 50hrs/Weekly |  |  | Annually |  |  |
|-------------------------------------|-------------|--|--|--------------|--|--|----------|--|--|
| Lubricate PTO Shaft                 | ✓           |  |  | ✓            |  |  | ✓        |  |  |
| Lubricate Caster Wheels             | ✓           |  |  | ✓            |  |  | ✓        |  |  |
| Lubricate Blade Spindle             | ✓           |  |  | ✓            |  |  | ✓        |  |  |
|                                     |             |  |  |              |  |  |          |  |  |
| Check Gear Box Oil Level            |             |  |  | ✓            |  |  | ✓        |  |  |
|                                     |             |  |  |              |  |  |          |  |  |
| Clean Machine                       |             |  |  |              |  |  | ✓        |  |  |
| Lubricate and Clean PTO Shaft Cover |             |  |  |              |  |  | ✓        |  |  |

## PTO SHAFT MAINTENANCE

The PTO shaft is designed to telescope to allow for dimensional changes as the machine goes through its operating range. A tubular guard encloses the driving components and is designed to turn relative to the driving components. The shaft should telescope easily and the guard turn freely on the shaft at all times. Annual disassembly, cleaning and lubrication is recommended to insure that all components function as intended. To maintain the shaft, follow this procedure:

1. Remove the shaft from the machine.
2. Pull shaft apart.
3. Use a screwdriver to pry the tabs out of the sleeves on each end.
4. Pull the shaft out of the plastic tubular guard.
5. Use a solvent to clean the male and female portions of the telescoping ends.
6. Apply a light coat of grease to each end.
7. Clean the grooves on each end where the tabs are located. Clean each tab also.
8. Apply a light coat of grease to each groove.
9. Insert the shaft into its respective guard and align the slots with the groove.
10. Insert the tabs through the slots and seat in the groove.
11. Check that each guard turns freely on the shaft.
12. Assemble the shaft.
13. Check that the shaft telescopes easily.
14. Replace any components that are damaged or worn.
15. Install the shaft on the machine.

# PARTS DRAWING

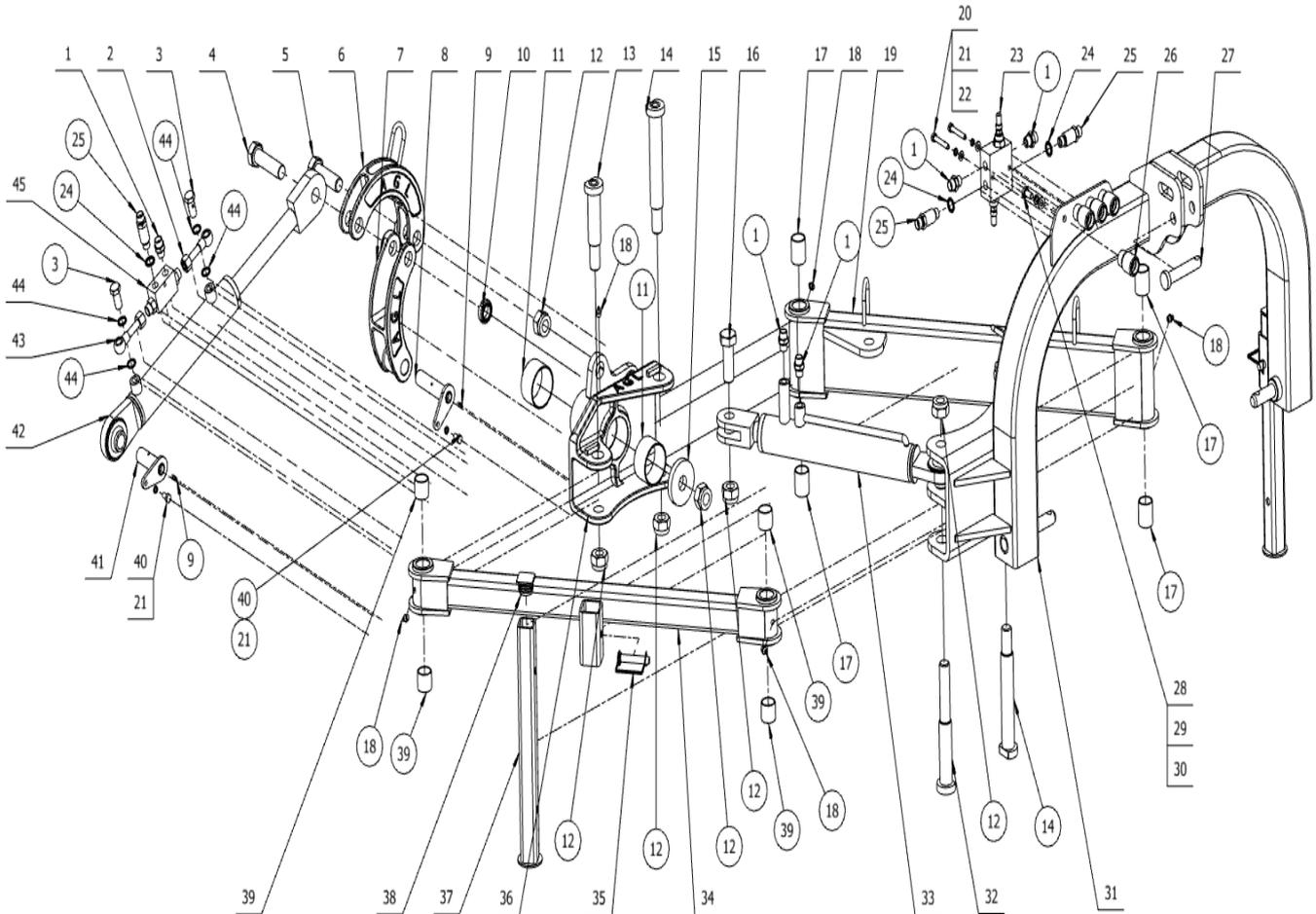
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## Spare Part List for New AGL

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# MowerEFAGL185C-0000-00(drawing1)

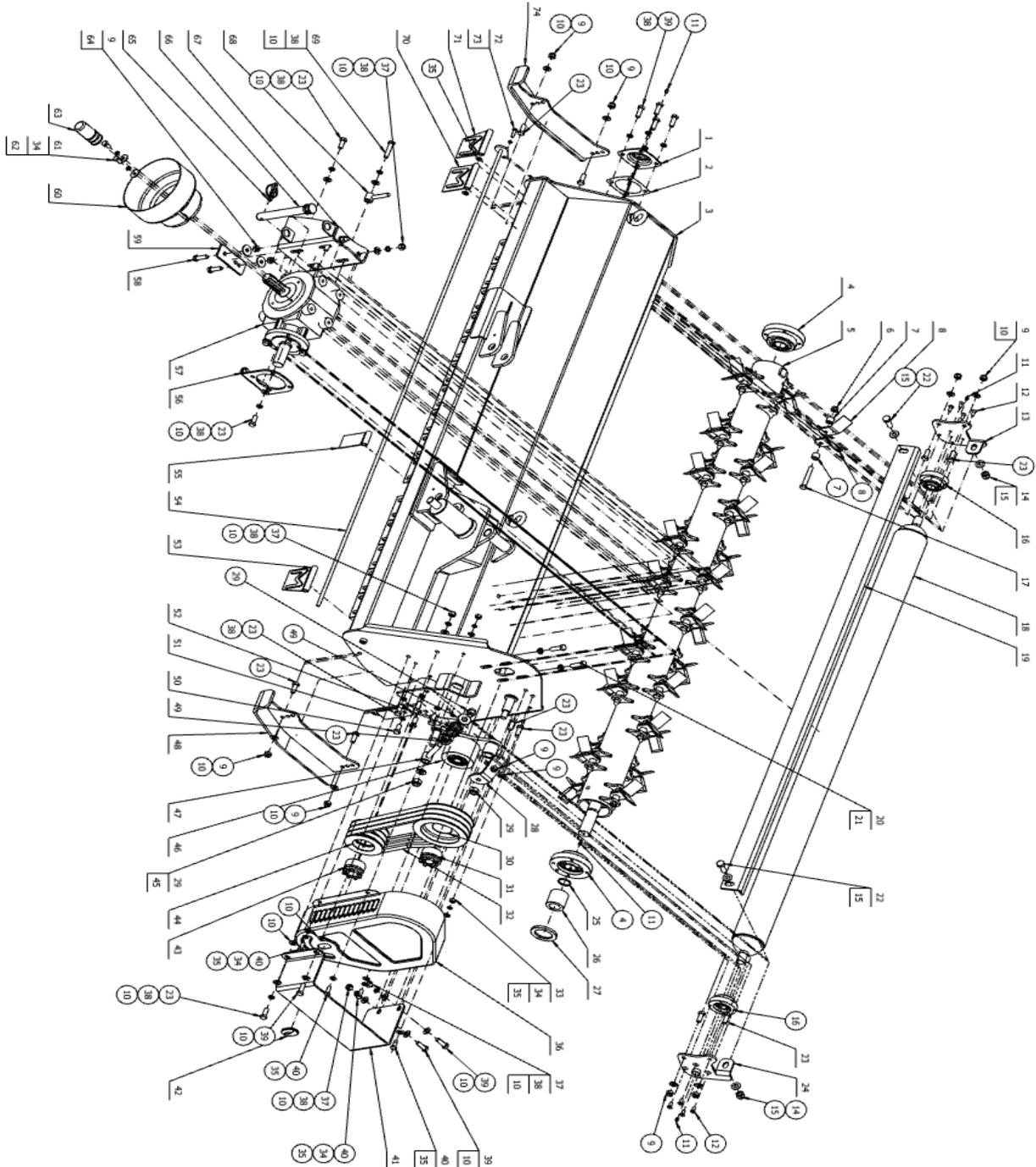


MowerEFAGL185C-0000-00 (drawing1)

| 序号 | 品号        | 零件代号              | 零件名称                          | 数量 | 备注 |
|----|-----------|-------------------|-------------------------------|----|----|
| 1  | 700250036 | 1CB-18-06WD       | 接头 M18X1.5-G3/8 connector     | 5  |    |
| 2  | 810240101 | EFAGL165A-2000-00 | 侧摆油缸硬管部件 2 tube               | 1  |    |
| 3  | 702990151 | 700M-16           | 接头 connector                  | 2  |    |
| 4  | 501014929 | GB5785-M24X1.5X90 | 细牙半螺纹螺栓 bolt                  | 1  |    |
| 5  | 501010829 | GB5782-M24X80     | 半螺纹螺栓 bolt                    | 1  |    |
| 6  | 810240096 | EFAGL165A-1900-00 | 拉座焊接 welding part             | 1  |    |
| 7  | 710240015 | EFAGL165A-0000-04 | 推座 welding part               | 1  |    |
| 8  | 802710090 | EFAGL125.104-MH   | 长锁销铆合件 pin                    | 1  |    |
| 9  | 509010007 | GB1152-M6         | 油杯 oil cup                    | 2  |    |
| 10 | 503020346 | GB812-M24X1.5     | 防松圆螺母 nut                     | 1  |    |
| 11 | 511050222 | SF-2-65X70X40     | 自润滑轴承 bearing                 | 2  |    |
| 12 | 503010769 | DIN985-M24        | 六角防松薄螺母 nut                   | 7  |    |
| 13 | 802710092 | EFAGL125.107      | 短销 pin                        | 1  |    |
| 14 | 802710094 | EFAGL125.109      | 长销 pin                        | 2  |    |
| 15 | 710240030 | EFAGL165A-0000-09 | 压圈 clamping ring              | 1  |    |
| 16 | 501011233 | GB5783-M24X65     | 全螺纹螺栓 bolt                    | 1  |    |
| 17 | 511050220 | SF-2-30X34X40     | 自润滑轴承 bearing                 | 4  |    |
| 18 | 509010009 | GB1152-M10X1      | 油杯 oil cup                    | 5  |    |
| 19 | 810240061 | EFAGL165A-0300-00 | 前摆臂焊合件 arm                    | 1  |    |
| 20 | 501010739 | GB5782-M8X50      | 半螺纹螺栓 bolt                    | 2  |    |
| 21 | 506030035 | GB93-8            | 弹垫 spring washer              | 4  |    |
| 22 | 506010055 | GB97.1-8          | 平垫 washer                     | 2  |    |
| 23 | 802710112 | HM-ZYF-0          | AGF 过载阀组 safety valve(option) | 1  |    |
| 24 | 700050008 | G3/8 (进)          | 组合垫圈 17.28X23.80X2.03 washer  | 3  |    |
| 25 | 702710111 | LSP-18T-205       | 阀出油长接头 connector              | 3  |    |
| 26 | 809820065 | AGFR245-2500-00   | 固定套部件 sleeve                  | 4  |    |
| 27 | 800920138 | EF100.00.019A     | 上拉杆销组合件 pin                   | 1  |    |
| 28 | 501011111 | GB5783-M10X20     | 全螺纹螺栓 bolt                    | 4  |    |
| 29 | 506030036 | GB93-10           | 弹垫 spring washer              | 4  |    |
| 30 | 506010056 | GB97.1-10         | 平垫 washer                     | 4  |    |
| 31 | 810240031 | EFAGL165A-0100-00 | 悬挂焊合件 suspension bracket      | 1  |    |
| 32 | 802710093 | EFAGL125.108      | 台阶销 pin                       | 1  |    |
| 33 | 810240069 | EFAGL165A-0600-00 | 偏摆油缸 cylinder                 | 1  |    |
| 34 | 802710045 | EFAGL125.017      | 后摆臂焊合件 arm                    | 1  |    |
| 35 | 800920101 | EF100.00.111A     | D型方销 pin                      | 2  |    |
| 36 | 810240091 | EFAGL165A-1800-00 | 后摆臂座焊接 welding part           | 1  |    |
| 37 | 802710100 | EFAGL125.030      | 长支撑脚焊合件(L=400) brace          | 2  |    |
| 38 | 703140001 | MFP120.00.101     | 大封盖 cap                       | 2  |    |
| 39 | 511050221 | SF-2-30X34X30     | 自润滑轴承 bearing                 | 4  |    |

|    |           |                   |                              |   |  |
|----|-----------|-------------------|------------------------------|---|--|
| 40 | 501011098 | GB5783-M8X16      | 全螺纹螺栓 bolt                   | 2 |  |
| 41 | 802710089 | EFAGL125.103-MH   | 锁销铆合件 pin                    | 1 |  |
| 42 | 810240073 | EFAGL165A-1000-00 | 侧摆油缸 cylinder                | 1 |  |
| 43 | 810240074 | EFAGL165A-1100-00 | 侧摆油缸硬管部件 1 tube              | 1 |  |
| 44 | 510015240 | JB982-16          | 组合垫圈 M16 washer              | 4 |  |
| 45 | 702710109 | HM-2S01-K8-0      | 双向液压锁 locking valve (option) | 1 |  |

# MowerE FAGL185C-0000-00(drawing2)



MowerEFAGL185C-0000-00 (drawing2)

| 序号 | 品号        | 零件代号                 | 零件名称                            | 数量 | 备注 |
|----|-----------|----------------------|---------------------------------|----|----|
| 1  | 701520006 | EFG120.168           | 油嘴盖 cap                         | 1  |    |
| 2  | 701520010 | EFG120.169           | 油嘴盖纸垫 gasket                    | 1  |    |
| 3  | 810410001 | EFAGL185C-0100-00    | 机罩焊合件(185C型) frame              | 1  |    |
| 4  | 511040032 | UC207                | 带座轴承(圆) bearing                 | 2  |    |
| 5  | 810390008 | EFAGL185A-0300-00    | 刀轴焊合件(185型) blade axle          | 1  |    |
| 6  | 503010738 | DIN985-M12X1.5       | 六角细牙防松薄螺母 nut                   | 32 |    |
| 7  | 700920091 | EF100.00.101         | 刀座隔套 sleeve                     | 64 |    |
| 8  | 701110023 | EFR105.102           | 小Y型刀 blade (hammer for option)  | 64 |    |
| 9  | 503010763 | DIN985-M12           | 六角防松薄螺母 nut                     | 12 |    |
| 10 | 506010057 | GB97.1-12            | 平垫 washer                       | 27 |    |
| 11 | 509010008 | GB1152-M8X1          | 油杯 oil cup                      | 4  |    |
| 12 | 505011721 | GB70.3-M8X20         | 内六角沉头螺钉 bolt                    | 8  |    |
| 13 | 810240078 | EFAGL165A-1200-00    | 左滚筒挂板焊合件 hanging plate          | 1  |    |
| 14 | 503010764 | DIN985-M14           | 六角防松薄螺母 nut                     | 2  |    |
| 15 | 506010058 | GB97.1-14            | 平垫 washer                       | 4  |    |
| 16 | 511040007 | EF100.00.012         | 法兰座轴承 UC205 bearing             | 2  |    |
| 17 | 501014721 | EF120.00.200         | 装刀螺栓 M12X1.5X78 bolt            | 32 |    |
| 18 | 810390011 | EFAGL185A-0400-00    | 滚筒焊合件(185型) roller              | 1  |    |
| 19 | 710390001 | EFAGL185A-0000-01    | 刮泥板(L=1821) mud shield          | 1  |    |
| 20 | 501011129 | GB5783-M12X45        | 全螺纹螺栓 bolt                      | 2  |    |
| 21 | 503010100 | GB6172.1-M12         | 薄螺母 nut                         | 2  |    |
| 22 | 501011888 | GB5786-M14X1.5X40    | 细牙全螺纹螺栓 bolt                    | 2  |    |
| 23 | 501011126 | GB5783-M12X30        | 全螺纹螺栓 bolt                      | 21 |    |
| 24 | 810240080 | EFAGL165A-1300-00    | 右滚筒挂板焊合件 hanging plate          | 1  |    |
| 25 | 510013224 | GB3452.1-G-34.5X3.55 | O型密封圈 seal ring                 | 1  |    |
| 26 | 710240029 | EFAGL165A-0000-08    | 油封套 oil seal sleeve             | 1  |    |
| 27 | 510020417 | GB13871-FB-55X80X8   | FB型油封 oil seal                  | 1  |    |
| 28 | 710340013 | EFAGL165C-0000-06    | 张紧轮挂板 1 plate for tension wheel | 1  |    |
| 29 | 503010740 | DIN985-M16X1.5       | 六角细牙防松薄螺母 nut                   | 3  |    |
| 30 | 701160007 | EFG120.106A          | 大皮带轮(三槽) pulley                 | 1  |    |
| 31 | 515010005 | REACH04-33X60        | 涨套 sleeve                       | 1  |    |
| 32 | 514010001 | 17X991               | 齿形带 belt                        | 3  |    |
| 33 | 503010046 | GB6170-M10           | 六角螺母 nut                        | 2  |    |
| 34 | 506030036 | GB93-10              | 弹垫 spring washer                | 6  |    |
| 35 | 506010056 | GB97.1-10            | 平垫 washer                       | 22 |    |
| 36 | 710340001 | EFAGL165C-0000-01    | 皮带轮罩 belt cover                 | 1  |    |
| 37 | 503010047 | GB6170-M12           | 六角螺母 nut                        | 5  |    |

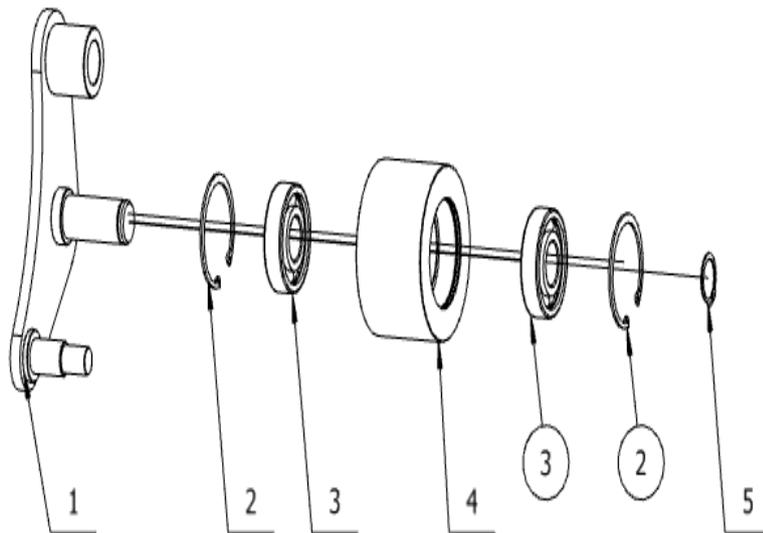
|    |           |                      |                         |    |
|----|-----------|----------------------|-------------------------|----|
| 38 | 506030037 | GB93-12              | 弹垫 washer               | 23 |
| 39 | 501011127 | GB5783-M12X35        | 全螺纹螺栓 bolt              | 7  |
| 40 | 501011112 | GB5783-M10X25        | 全螺纹螺栓 bolt              | 4  |
| 41 | 710340009 | EFAGL165C-0000-02    | 皮带轮罩防护板 plate           | 1  |
| 42 | 701240046 | EFGC120.138          | U形盖 cap                 | 1  |
| 43 | 515010001 | REACH04-35X60        | 涨套 sleeve               | 1  |
| 44 | 701160006 | EFG120.105A          | 小皮带轮(三槽) pulley         | 1  |
| 45 | 710340012 | EFAGL165C-0000-05    | 张紧垫 1 tension washer    | 1  |
| 46 | 810340021 | EFAGL165C-0300-00-XS | 张紧轮部件(虚设) tension wheel | 1  |
| 47 | 810340018 | EFAGL165C-0200-00    | 拉杆焊合 1 pull             | 1  |
| 48 | 810240086 | EFAGL165A-1600-00    | 滑轨焊合 2 glide            | 1  |
| 49 | 710340010 | EFAGL165C-0000-03    | 弹簧定位套 1 sleeve          | 2  |
| 50 | 501011125 | GB5783-M12X25        | 全螺纹螺栓 bolt              | 1  |
| 51 | 701160033 | EFG120.103           | 槽口挡板 plate              | 1  |
| 52 | 710340011 | EFAGL165C-0000-04    | 张紧弹簧 1 spring           | 1  |
| 53 | 700920111 | EF100.00.122B        | 宽挡板(右) fender           | 1  |
| 54 | 810390006 | EFAGL185A-0200-00    | 挡板销焊合 1(L=1874) pin     | 1  |
| 55 | 700920107 | EF100.00.121         | 挡板 plate                | 1  |
| 56 | 802710038 | EFAGL125.014         | 张紧板焊合件 tension plate    | 1  |
| 57 | 801240040 | XH50.300Z.02W        | 齿轮箱总成(EFGC884) gearbox  | 1  |
| 58 | 501011128 | GB5783-M12X40        | 全螺纹螺栓 bolt              | 2  |
| 59 | 701680001 | EFGCHM120.101        | 夹板 plate                | 1  |
| 60 | 703400008 | FM120.00.199         | 传动轴罩 PTO cover          | 1  |
| 61 | 501011111 | GB5783-M10X20        | 全螺纹螺栓 bolt              | 2  |
| 62 | 506010036 | GB96.1-10            | 加大平垫 washer             | 2  |
| 63 | 702420030 | EF100.00.177         | 齿轮箱输入轴防锈套 sleeve        | 1  |
| 64 | 506010037 | GB96.1-12            | 加大平垫 washer             | 2  |
| 65 | 700080010 | 200.56.011           | 锁销组件 lock pin           | 1  |
| 66 | 710240027 | EFAGL165A-0000-06    | 防翻固定销 1 pin             | 1  |
| 67 | 810240065 | EFAGL165A-0500-00    | 齿轮箱座焊合件 gearbox rack    | 1  |
| 68 | 810240082 | EFAGL165A-1400-00    | 齿轮箱拉杆焊合 1 pull          | 2  |
| 69 | 501011131 | GB5783-M12X55        | 全螺纹螺栓 bolt              | 2  |
| 70 | 700920108 | EF100.00.122         | 宽挡板 fender              | 16 |
| 71 | 700920109 | EF100.00.122A        | 宽挡板(左) fender           | 1  |
| 72 | 501011100 | GB5783-M8X25         | 全螺纹螺栓 bolt              | 1  |
| 73 | 506030035 | GB93-8               | 弹垫 washer               | 1  |
| 74 | 810240089 | EFAGL165A-1700-00    | 滑轨焊合 1 glide            | 1  |



MowerEFAGL185C-0000-00 (drawing3)

| 序号          | 品号        | 零件代号                  | 零件名称                              | 数量 | 备注 |
|-------------|-----------|-----------------------|-----------------------------------|----|----|
| 1<br>5<br>1 | 810240070 | EFAGL165A-0700-00     | 过载阀左上口油管 oil hose                 | 2  |    |
| 1<br>5<br>2 | 703820055 | QUICK-COUPLING-G1/2-G | 快换公接头 G1/2 coupling               | 4  |    |
| 1<br>5<br>3 | 700250041 | 1BG-08-06             | 接头 G3/8-G1/2 coupling             | 1  |    |
| 1<br>5<br>4 | 706590117 | FV10-1-10/2-G3/8      | 流量控制阀(3/8) flow valve<br>(option) | 1  |    |
| 1<br>5<br>5 | 700250036 | 1CB-18-06WD           | 接头 M18X1.5-G3/8 coupling          | 6  |    |
| 1<br>5<br>6 | 810240072 | EFAGL165A-0900-00     | 侧摆油缸有杆腔油管 oil hose                | 1  |    |
| 1<br>5<br>7 | 810240071 | EFAGL165A-0800-00     | 侧摆油缸无杆腔油管 oil hose                | 1  |    |
| 1<br>5<br>8 | 810240085 | EFAGL165A-1500-00     | 偏摆油缸有杆腔油管 oil hose                | 2  |    |

# Tension part EFAGL165C-0300-00(drawing4)



### 张紧轮部件 EFAGL165C-0300-00 (drawing4)

| 序号 | 品号        | 零件代号              | 零件名称                   | 数量 | 备注 |
|----|-----------|-------------------|------------------------|----|----|
| 1  | 810340023 | EFAGL165C-0301-00 | 张紧轮挂架焊合 1 welding part | 1  |    |
| 2  | 506060183 | GB893.1-62        | A 型孔用挡圈 cir clip       | 2  |    |
| 3  | 511021549 | GB276-6305-2RS    | 深沟球轴承-2RS bearing      | 2  |    |
| 4  | 710340022 | EFAGL165C-0300-01 | 张紧轮 tension pulley     | 1  |    |
| 5  | 506060310 | GB894.1-25        | A 型轴用挡圈 circlip        | 1  |    |

## WARRANTY POLICY

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This warranty refers to the product listed in this Operation Manual, sold or distributed by Midway Sales or through an authorised dealer. In order to qualify for this warranty, the registration form attached must be completed and returned to Midway Sales at their registered address within 10 days from date of purchase.

The Hanmey product shown in this operation manual is warranted against defects in workmanship and materials for a period of six (6) months from the date of purchase. In the case of products purchased specifically for agricultural use the warranty shall be extended to a period of twelve (12) months provided that this intended use is made known to the manufacturer/dealer at the time of purchase.

Hydraulic components, including cylinders and controls, are warranted against faulty parts and/ or workmanship for a period of six (6) months commercial use/(12) twelve months agricultural use from the date of delivery of the implement to the' original end-user.

This warranty is limited to faults or defects occurring in the product under normal operating conditions. The replacement or repair of any defective parts, or correction of operating parts under this warranty is made only after Midway Sales or their authorised representatives have examined the unit to their satisfaction. Implements are to be returned to Midway Sales or their authorised dealer, freight forward and return pre-paid. The manufacturer shall not be liable for indirect, special or consequential damages arising out of or in connection with the use or performance of the product including damage with respect to economic loss, loss of property, loss of revenue or profits, cost of removal, installation or reinstatement.

This warranty does not extend to cover any products manufactured to the purchaser's specifications, or modifications or repairs by customers or third parties, carried out without the written permission of the manufacturer.

This warranty does not extend to cover parts subject to normal wear such as, but not limited to chains, bearings, seals, filters and blades.

This warranty extends only to the original purchaser and is not transferable. This warranty does not extend to cover damage in transit, damage or failure caused by or attributed to Acts of God, exceeding the power limits specified in the technical data, abuse, using non-genuine parts, improper or abnormal use by the purchaser, its servants, employees or agents, faulty installation, improper maintenance or any repair other than those provided by the manufacturer or it's duly authorised dealers.

This warranty does not authorise any person to create for it any other obligation or liability in connection with its products.

Other than the warranty hereby expressly given, the manufacturer makes no implied warranty of merchantability or fitness for purpose in so far as any such implied warranty is deemed to be given under any Commonwealth or State Law, then the manufacturer shall only be liable to the extent expressed in any such law.

**PRODUCT IMPROVEMENT**

Due to a continual product development program, Hanmey reserves the right to change models and specifications without notice.

**CUSTOMER INFORMATION**

**NAME:** \_\_\_\_\_

**PURCHASED FROM:** \_\_\_\_\_

**DATE OF PURCHASE:** \_\_\_\_\_

**MODEL NUMBER:** \_\_\_\_\_

**SERIAL NUMBER:** \_\_\_\_\_