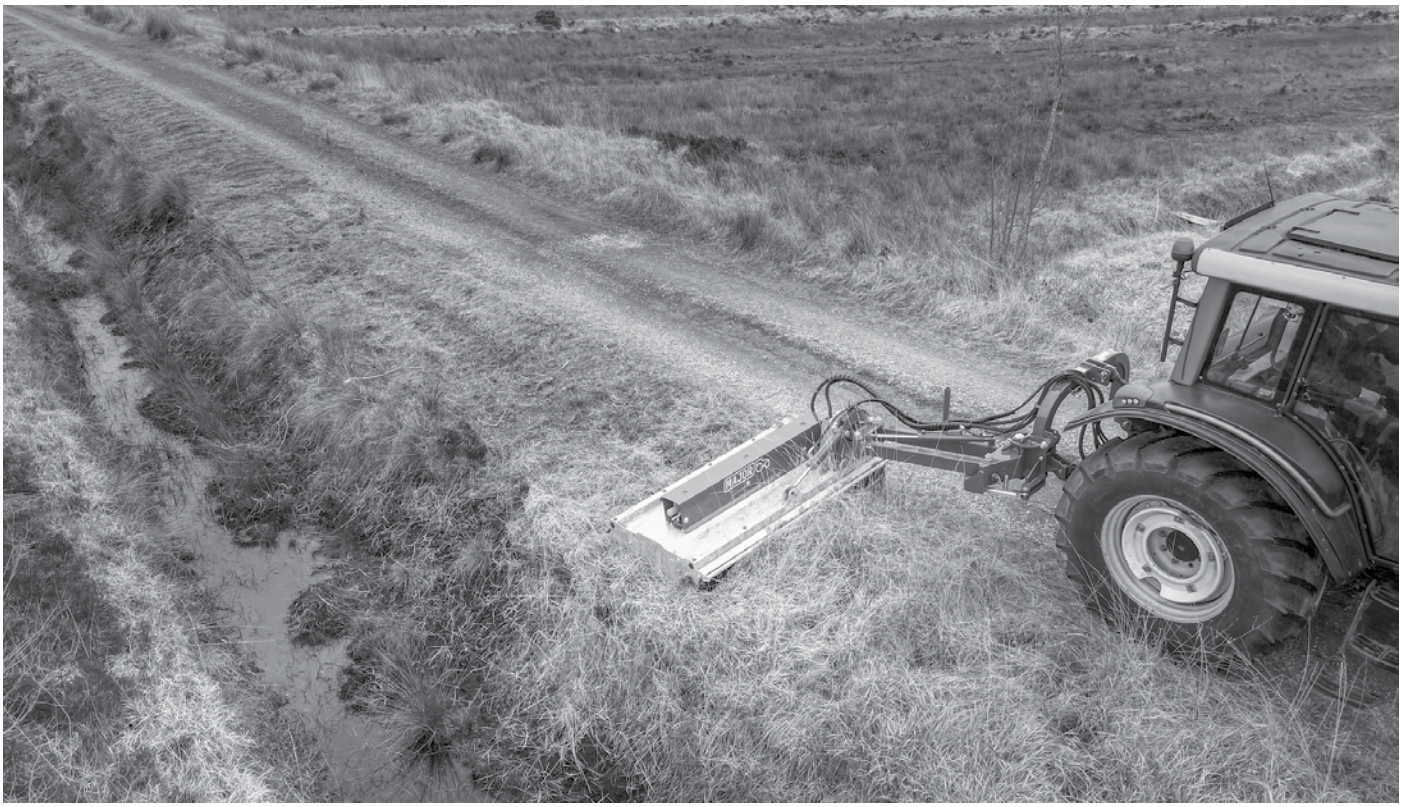
OSM MJ36-140, MJ36-210

Operator's Manual and Parts List



WARNING

Read this instruction manual thoroughly before using your machine and follow all safety precautions.

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Disclaimer
While every effort has been made in the production of this manual to ensure that the information contained herein is full and correct, Major assumes no responsibility for errors or omissions.

Major reserves the right to modify the machinery and the technical data contained within the manual without prior notice.

Further to this, Major assumes no liability for any damages which may result from the use of the information contained within this manual.

Contents

Spare parts - MJ36

Introduction

Thank you
We appreciate having you as a customer and wish you many years of safe and satisfied use of your machine.

Safety Aspects
This manual is an important part of your machine and should remain with the machine when you buy it. Reading your operator's manual will help you and others avoid personal injury or damage to the machine. Information given in this manual will provide the operator with the safest and most effective use of the machine. Only competent and skilled persons who have fully read and understood this operator's manual are allowed to operate this machine.

Sections in your operator's manual are placed in a specific order to help you understand all the safety messages so you can operate this machine safely. You can also use this manual to answer any specific operating or servicing questions.

Your manual contains special messages to bring attention to potential safety concerns, machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage. Should any questions arise regarding the information given in this booklet, please contact your local MAJOR dealer or MAJOR.

The operator is solely responsible for the safe use and maintenance of the machine. The machine must only be operated by a competent and skilled person. Setting up and adjustment must only be carried by the operator. Do not let a third party person to adjust or modify the machine in any way.

Intended use
This machine is a grass cutting machine and designed for cutting grass. Moreover, it must only be used with a suitable tractor (see "Product Specifications" section of this booklet) and driven by an adequate hydraulic pump/motor. All other use is strictly prohibited. Major will not be held responsible for any loss or damage caused due to a misuse of the machine.

Register Your Product and Warranty Online
To register your product through the Internet, simply go to the Support section on www.major-equipment.com. Completing the information, either online or with the product warranty card, will ensure the customer that their product receives all post sales service and important product information.

This machine is warranted for 12 months. No warranty is given where the machine is being used as a hire machine. Warranty is against faulty workmanship or parts.

Warranty covers parts only. All parts must be returned to the manufacturer. No warranty can be considered unless parts are returned. All replacement parts will be supplied on a chargeable basis until warranty has been accepted.

Tractor Requirements

Attaching the machine to the tractor will influence the stability and manoeuvrability of the tractor. Please consult your tractor manual for limitations on weight and towing ability of the tractor.

It is the operator's responsibility to ensure that the tractor is suitable for the machine. Always consult your tractor's manual for any further information required.

Recommended Horse Power requirements for the particular models are provided in the "Product Specification" section of this booklet. Using excessive power can affect the quality of cut and/or may damage the machine.

Tractors which are not suitable for the operation can sustain damage due to the weight and power requirements of the machine. Always observe the weight of machine provided in the "Product Specification" section of this booklet, compare this with the guidelines from the tractor manual and ensure that the tractor can lift the machine safely.

Depending on the model and specification of the machine it can be attached to a tractor/power unit by one of the following methods: 2/3 point linkage connection, positioned on an extendable arm or attached to a digger. The position of the 3 point linkage machine can be adjusted by manual or hydraulic top link.

Winged models require at least one hydraulic spool with 1/2" female quick release connection for a single acting ram/ rams.

Road light kit requires a 12V 7 pin socket.

Safety

The operator's manual also explains any potential safety hazards whenever necessary in special safety messages that are identified with the word, CAUTION, and the safety-alert symbol  .

Hazards associated with operating Grass Cutting Machinery

Shear Hazard
Shear hazards are created when the edges of two objects move toward or next to each other closely enough to cut relatively soft material. This can include the parts of the machine under hydraulic control when operating from transport to mowing position. Note, the wing units are designed to float independently of the centre deck & are free to move within operating limits.

Crush Hazard
Bystanders can be injured when machine is lowered into mowing position. Winged machines have crush points around the hinge areas & between the wing & main body. Always use transport locking bars when not in use (winged models only).

Rotating Blade Hazard
All persons are at risk if they place their hands or feet under the machine when it is raised from the ground when the blades are in motion.

Pinch Hazard
Pinch points are created when two objects move together, with at least one of them moving in a circle. This hazard is common in power transmission devices such as Belt Drives, Gear Drives & Rollers. Ensure all guarding is present.

Wrap Hazard
Any exposed, rotating machine component is a potential wrap point. Injuries usually occur when loose clothing or long hair catch on and wrap around rotating parts such as drive shafts on the machine. Ensure all guarding is present.

Free-wheeling parts Hazard
The heavier a revolving part is, the longer it will continue to rotate after power is shut off. This characteristic is called 'free-wheeling.' Blades, and various other components, drive shafts etc., will continue to move after power is shut off - often for several minutes. Injuries occur when:

- Operators shut off equipment, and attempt to clean or adjust a machine before components have completely stopped moving.
- Operator awareness is the key to safety around freewheeling parts. Never raise the machine while the blades are still rotating.

Thrown objects Hazard
Machines throw material as a natural part of doing their job. Foreign objects, such as stones, sticks and other debris, may be taken into this equipment and expelled at tremendous speed. These objects are contained by the sides of the machine and by the rear/front rollers / guards / chain guards / rubber skirts depending on model of your machine.
Ensure bystanders are clear from the machine & cannot be hit with debris expelled from the machine. Bystanders or animals in the path of thrown objects could be seriously injured. Never operate machine with decks raised from the ground as this makes the front/rear protection redundant.

Hydraulic Hazard (if applicable)
Hydraulic systems store considerable energy. Careless servicing, adjustment, or replacement of parts can result in serious injury. High pressure blasts of hydraulic oil can injure eyes or other body parts. The following precautions are crucial:

- Make certain the hydraulic pump is turned off.
- Lower attached equipment to the ground.
- Confirm that load pressure is off the system.

A pinhole leak in an hydraulic hose is a serious hazard. A leak may not be visible, and the only sign may be a few drops of fluid. Never inspect hydraulic hoses with your hands, because a fine jet of hydraulic fluid can pierce the skin.

Slips, Trips and Falls Hazard
Slips and falls often result from:
1. Slippery footing on the ground
2. Cluttered steps and work platforms.

The potential for slips and falls can be greatly reduced by using good judgement and practicing good housekeeping on and around equipment.

Noise Hazard
Please note that the machine is normally used outdoors and that the position of the operator is seated in the driving seat of the tractor. It is advisable to consult the prescriptions listed in tractor operator and maintenance manuals.
The acoustic pressure at a distance of 2.6m from the centre of the machine and at a height of 2.0m, with the implement operating in a no load condition can reach 90 dBA. In a loaded condition the value can reach 97dBA. Higher oil flow rate will result in higher noise levels. Always wear hearing protection. Similar noise levels are produced while operating hydraulic driven machines.

Operating Safely

Hydraulic driven machines must be driven by oil type specified in the Product Specifications part of this booklet. Ensure the oil flow rate is within the allowed limits. Low/High oil flow rate can cause damage to the machine and/or the operator.

Users should become thoroughly familiar with the contents of this manual before using, servicing and mounting the implement to the tractor and all other pertinent operations. Never wear jewellery, loose clothing such as ties, scarves, belts, unbuttoned jackets or dungarees with open zips which could become caught up in moving parts.

Always wear approved garments complying with accident prevention provisions such as non-slip shoes, ear muffs, goggles and gauntlets. Wear a jacket with reflecting stickers if the implement is used near public highways.

Consult your retailer, the Labour Health Service or your nearest equivalent authority for the information about the current safety provisions and specific regulations with in order to ensure personal safety.

ALWAYS SWITCH OFF THE TRACTOR ENGINE AND ENGAGE THE PARKING BRAKE BEFORE MAKING ADJUSTMENT TO THE MACHINE.

NEVER PLACE LIMBS UNDER THE MACHINE WHILE ROTOR(S) ARE TURNING. ROTORS CAN REMAIN TURNING FOR UP TO 1 MINUTE AFTER TURNING OFF THE HYDRAULIC MOTOR .

Workstation

The operator must remain seated while working the machine. If the machine is a winged unit and the wings need to be raised/lowered the operator must not leave the tractor. Never leave the workstation (tractor cab, digger cab) with the hydraulic motor running and blades rotating. Always apply the handbrake and turn off the hydraulic motor before leaving the cab.

NEVER OPERATE THE HYDRAULICS WITH THE TRACTOR SWITCHED OFF

Regulations for use of the transmission

The transmission between the gearboxes is protected by a bolt down cover. All guarding should be kept efficient and in good condition. If the condition is poor, the guarding should be replaced before the implement is used. It is the operator's responsibility to check the condition of the covers before each use.

UNLESS IT IS CORRECTLY PROTECTED THE TRANSMISSION COULD CAUSE DEATH SINCE IT CAN CATCH ON PARTS OF THE BODY OR CLOTHING

Driving Safely on Public Roads

Check the local Highway Code regulations before driving the tractor on public highways with an implement attached. Check the reflectors, hazard flashers and/or projecting load indicators are installed when required and efficient. These indicators must be installed correctly and easily seen by the drivers of other vehicles.

Bystanders must not be allowed to lean against or climb onto the machine during transport or while working. Do not allow bystanders to ride on the machine.

Maximum transport speed of the implement is limited to 25-30km/h depending on the model of the machine (observe safety labels on the machine).

General safety instructions

Precautions to be taken while working with the machine:

1. Do not operate the machine when you are tired or under the influence of alcohol or any other intoxicant;
2. Before starting mowing, make sure that the area is clear of people or animals.
3. It is mandatory to read all the safety requirements and the operator's manual of the machine.
4. If you are not sure how to use the machine, please contact the manufacturer or the dealer.

Inspections before Use

Always disconnect hydraulic motor hoses, switch off tractor engine and engage the parking brake before making adjustments to the machine.

1. With the whole machine as level as possible, check the oil level in all gearboxes. Top up if required through the oil filler plug. The correct level is at the oil level plug.
2. Grease all lubrication points as outlined in the Maintenance section of this booklet.
3. Check parts for wear.
4. Check the blade mounting bolts are tight.
5. Ensure the gearbox shaft nuts are tight and retained in place by split pin.
6. Check tightness of all nuts, bolts and pins.
7. Ensure safety guards and flaps are in place at all times where fitted. If these become worn or missing, replace them immediately with new ones.
8. Due to the corrosive nature of grass when cut, wash down the machine when finished mowing, especially when the machine is being stored for a long period of time.

Starting Regulations

Always check that any imminently dangerous conditions have been eliminated before using the machine. Ensure all guarding is present & the operator is fully aware of the operations of the machine.

Always make sure that the hydraulic motor hoses are connected correctly and that the oil flow rate is met.

Product Identification

Machine Serial Numbers

If you need to contact MAJOR or your MAJOR dealer for information on servicing or spare parts, always provide the product model and serial numbers. Model and Serial number can be found on the Serial Plate located on the machine.

We suggest that you record your machine details below:

Model No: _____

Serial No: _____

Date of Purchase: _____

Dealer Name: _____

Dealer Telephone: _____

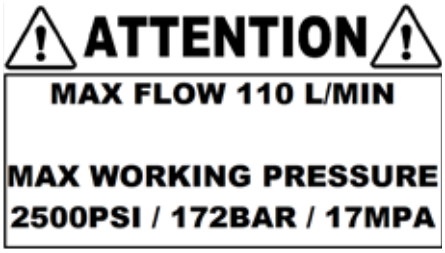
Product Specifications

Model	MJ36-140	MJ36-210
Transport Width	1.60m (5'3")	1.60m (5'3")
Working Width	1.43m (4' 8.5")	2.11m (6' 11")
Power Requirements	60 HP	90 HP
Hydraulic Motor	78cc	78cc
MAX Pressure	2500PSI 172BAR 17MPA	2500PSI 172BAR 17MPA
Flow Rate	80-110 litres/minute	80-110 litres/minute
Cutting Height	28-100mm	28-100mm
Number of Rotors	2	3
Number of Blades	4 / 8	6 / 12
Sliding Offset	1.56m	1.56m
Hedge Cutting	0÷95°	0÷95°
Roadside mowing	0÷35°	0÷35°
Tractor Class	II	II
Weight	734kg	855kg

This machine is driven by a hydraulic motor. Observe and follow the instructions on the labels.
Oil type - ISO 100.

Oil Flow Rate must be 80-110 litres per minute.

Maximum working pressure must not exceed 2500PSI/172BAR/17MPA.



EEC certificate of conformity for machines

(conforming to Directive 2006/42/EC)

Name of Manufacturer: Major Equipment Ltd
Address: Coolnaha, Ballyhaunis, Co. Mayo, Rep of Ireland

Tel. +353949630572
Fax +353949630788

declares in sole responsibility that the product:

Machine description and function: Rotary mower with vertical axes cutting heads which cuts grass so it can be subsequently picked up.

Model: Offset Mower (MJ36)

Type: _____ **Serial number:** _____

Technical file compiled by: Alex Kolchanov (c/o Major Equipment Ltd)

- **THE SUPPLY OF MACHINERY (SAFETY) REGULATIONS 2008.**
- **S.I. No. 299 of 2007**, Safety, Health and Welfare at Work (General Application) Regulations 2007 **(Ireland).**
- **Health & Safety at Work, etc. Act 1974 (c.37) (UK).**
- **EN ISO 14121-1: 2007** 'Safety of machinery. Principles for risk assessment'.
- **EN 745** - Agricultural Machinery - Rotary Mowers and Flail Mowers - Safety**.**
- **EN ISO 13857** - Safety of machinery: Safety distances to prevent hazard zones being reached by upper and lower limbs.

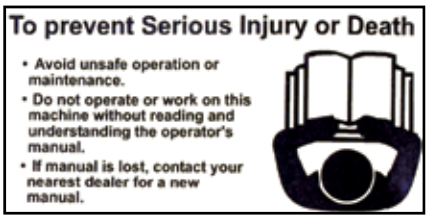
I hereby certify on behalf of Major Equipment Int. Ltd., that this machine when properly installed and operated correctly, complies with all the essential Health & Safety requirements of all legislation referred to above.

Signed:  Place: Coolnaha, Ballyhaunis, Co. Mayo, Rep of Ireland
Date: 02/02/2022
Name: John Murphy
Position: Managing Director

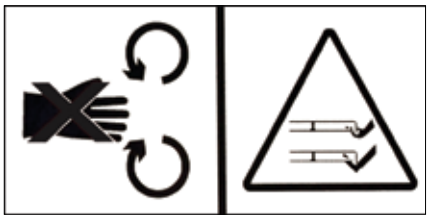
Machine Safety Labels

The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety alert symbol. DANGER identifies the most serious hazards.



To avoid injury, read the manual



Rotating blade hazard

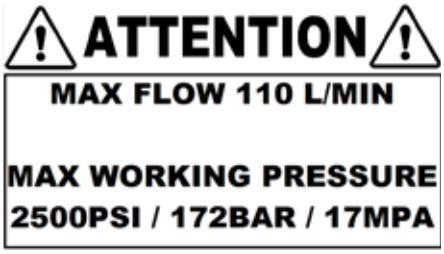
Check tightness of the transmission bolts

High oil pressure hazard

Moving parts

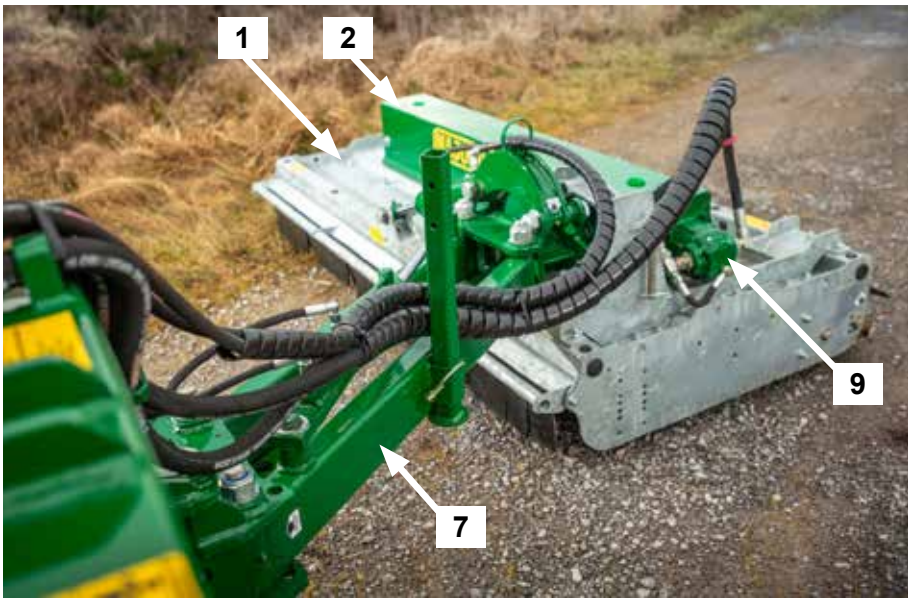
Grease points

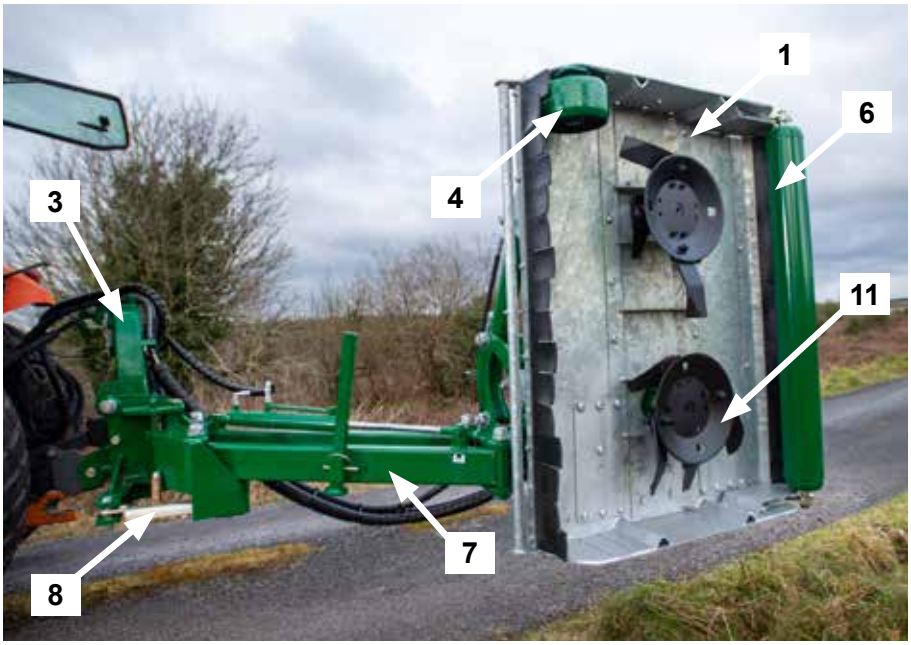
Crush hazard

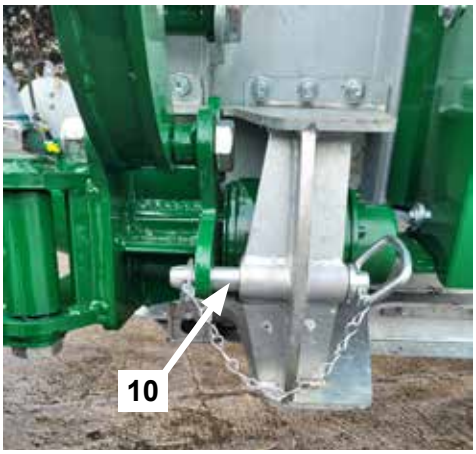


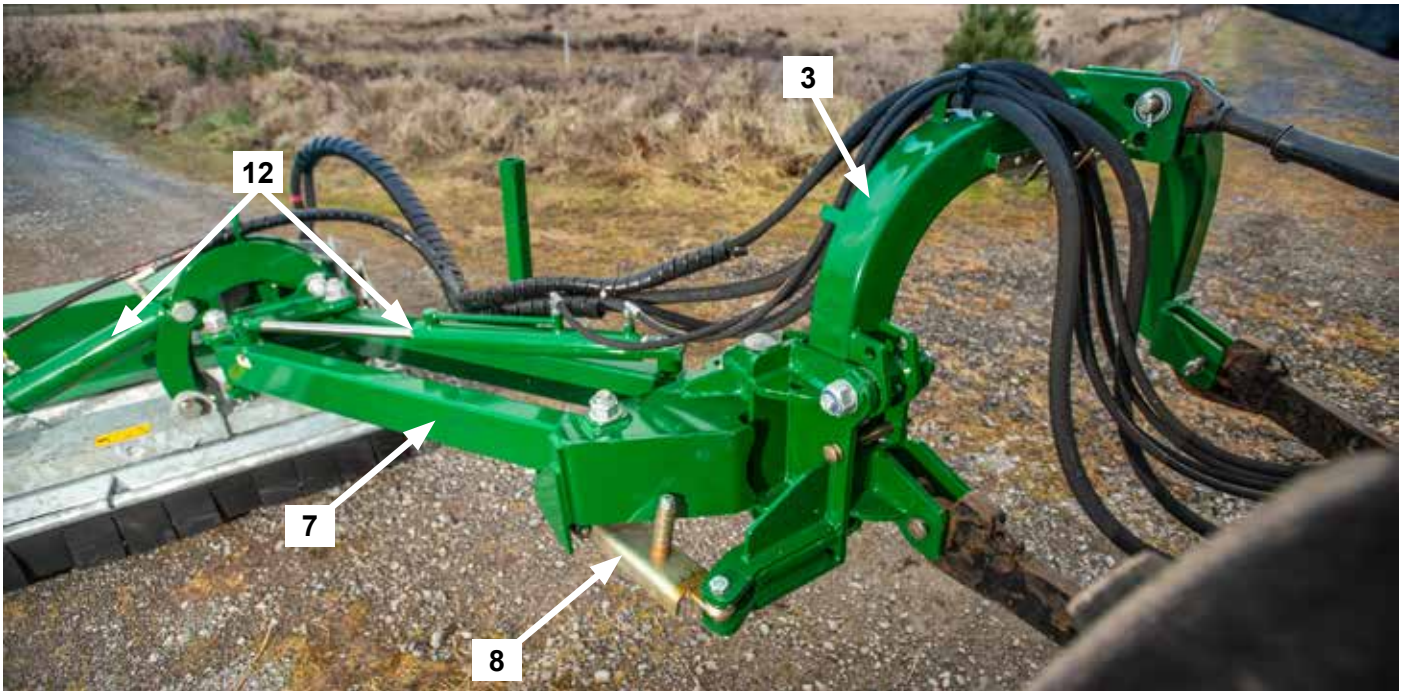
Key to Main Parts

1	Body
2	Drivetrain cover
3	A-Frame
4	Steel wheel
5	Parking leg
6	Rear roller
7	Carrying arm
8	Breakaway
9	Hydraulic motor
10	Transport locking pin
11	Blade
12	Hydraulic ram



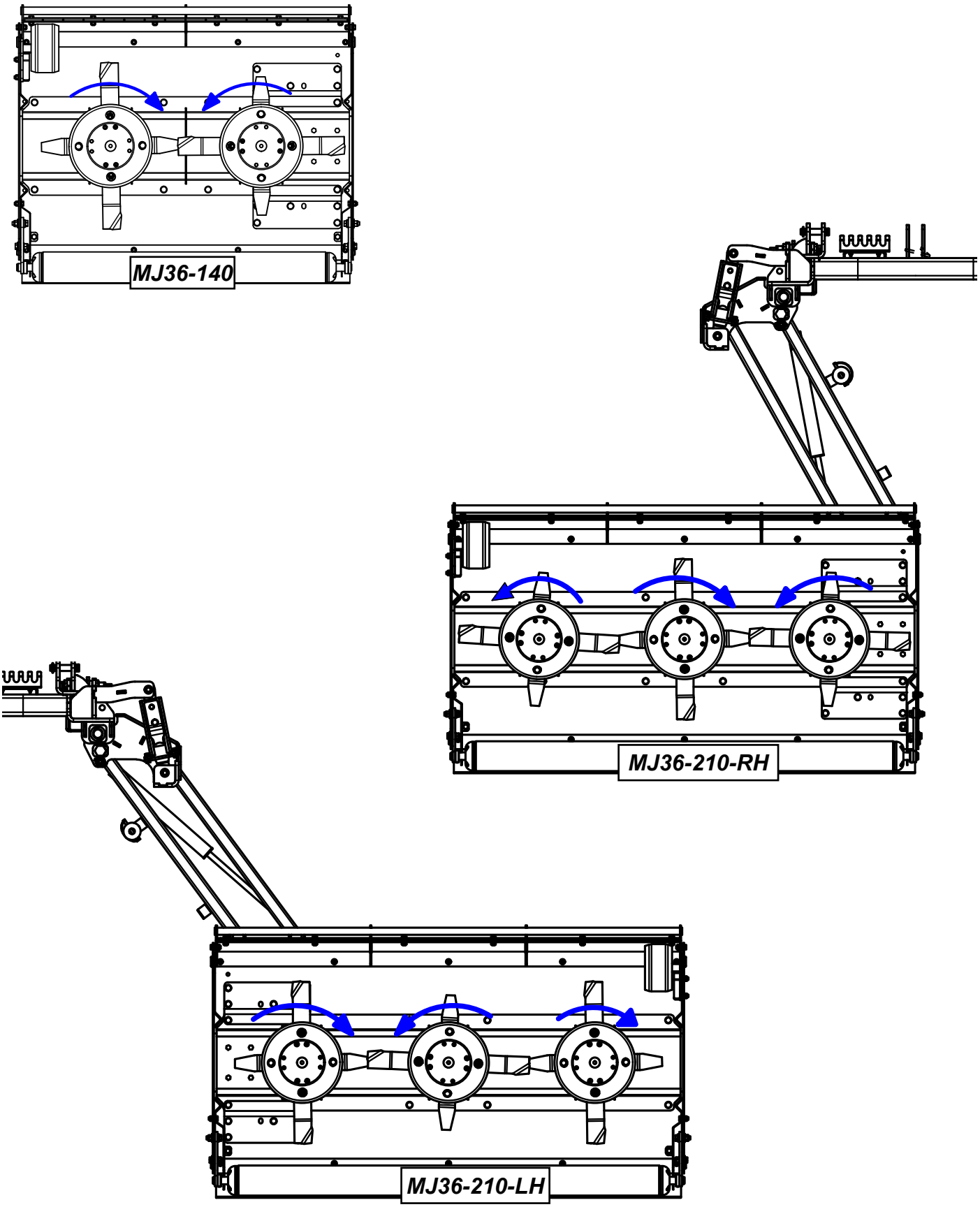






Blade Rotation

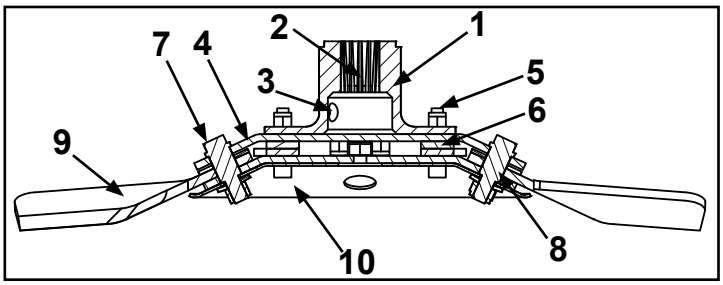
Blade rotation viewed from underside

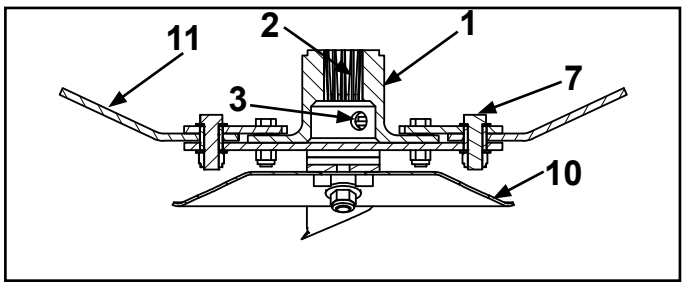


Blade system

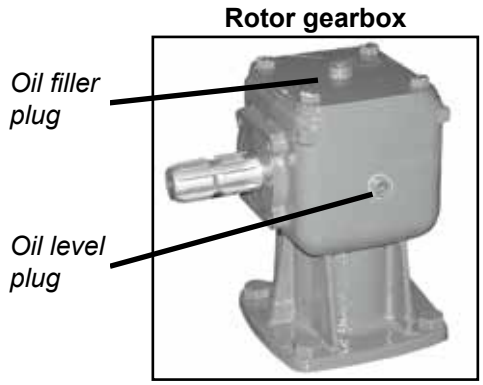
Full breakdown of the blade assembly is provided in the Spare Parts section of this booklet

1	Blade mount	7	Blade pivot bolt
2	Gearbox output shaft	8	Blade pivot bush
3	Gearbox split pin	9	Blade
4	Blade back	10	Undersole disk
5	Blade back bolt	11	Overlap Blade
6	Blade back spacer		





Drive-line gearbox



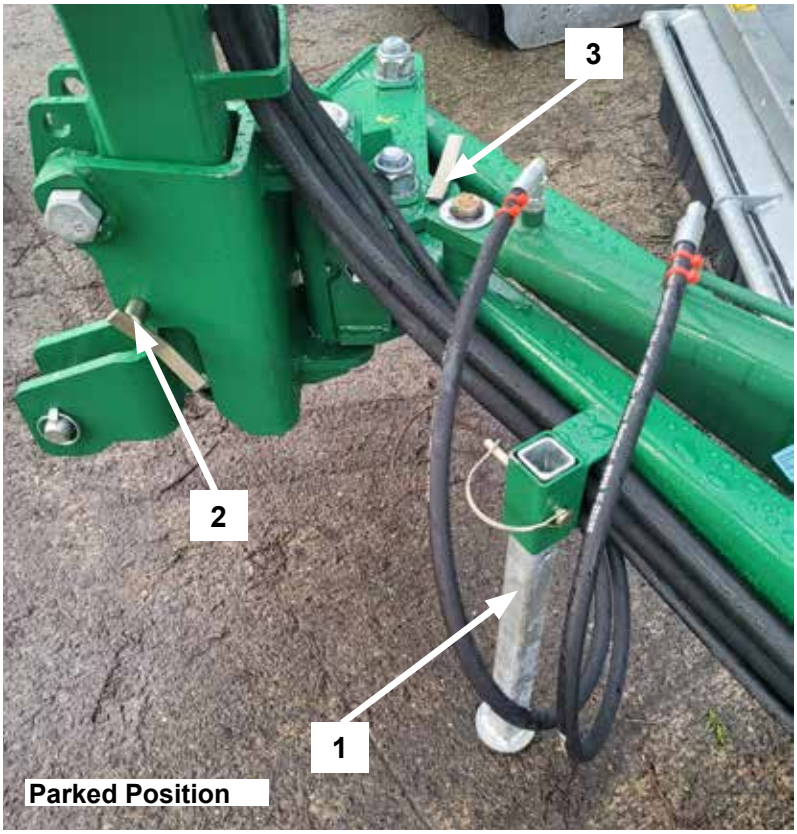
Operating the Machine

Attaching machine to the Tractor

ALWAYS OPERATE ON LEVEL GROUND WHEN HITCHING/UNHITCHING THE IMPLEMENT. THIS WILL PREVENT DANGEROUS MOVEMENT. NEVER ALLOW ANYONE TO STAND BETWEEN THE TRACTOR AND THE MACHINE.

1. Adjust both lift arms of the tractor until they are level in relation to each other.
2. Hitch the lower linkage arms to the Machine and connect the top link. Ensure that the locking pins are secure.
3. Connect the hydraulic hoses to the appropriate connections.

After use:
Parking leg must be extended into parking position when machine is not in use.



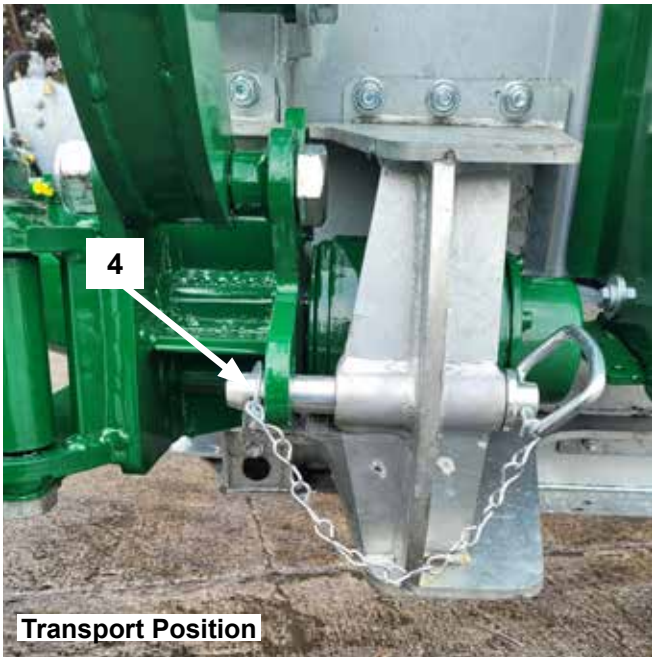
1	Parking leg
2	A-frame floatation pin
3	Arms locking pin

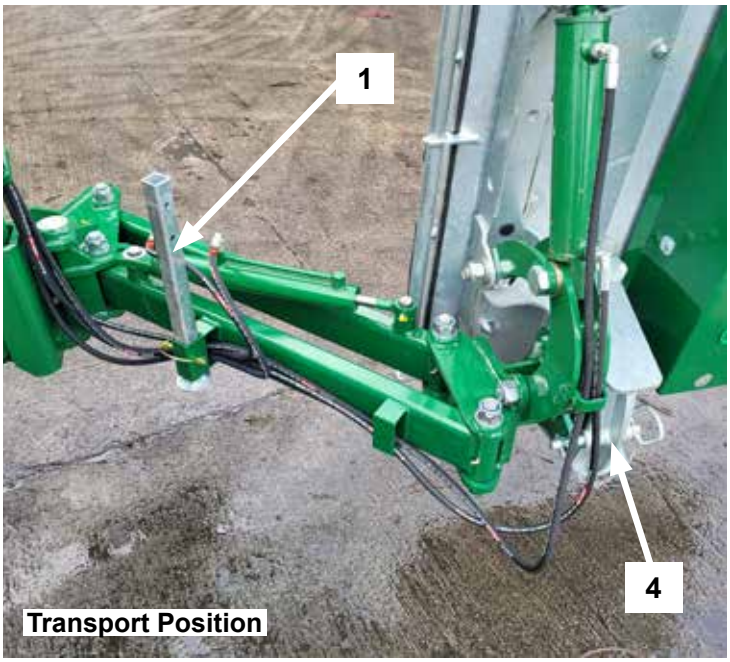
Transport Position

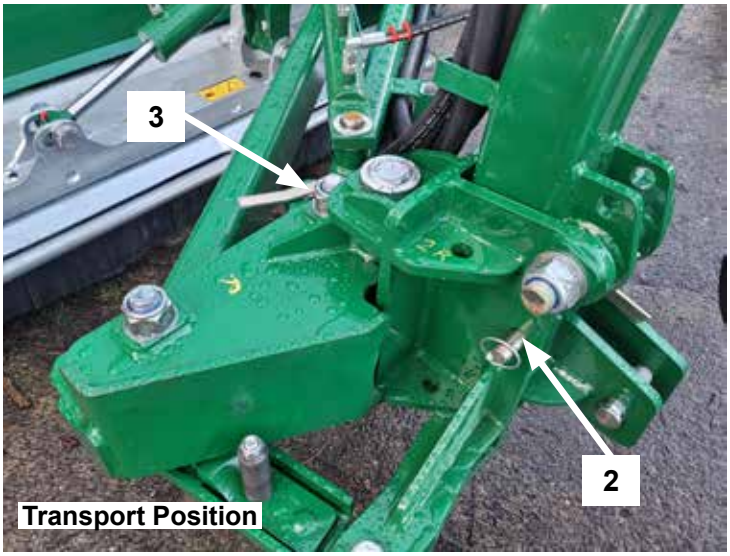
Before raising the machine wait until the transmission and the blades are completely still.

1. Check machine is hitched to the tractor as described. Ensure the tractor parking brake is applied
2. Ensure moving parts become still then transform the machine into transport position by hydraulic control
3. During the transport and any time the machine shall be raised, the raising device shall be adjusted to assure that the machine is at least 250mm over the ground.
4. Make sure that the Transport pin, A-frame pin and Parking leg are secured in transport position as shown.

1	Parking leg
2	A-frame floatation pin
3	Arms locking pin
4	Transport pin







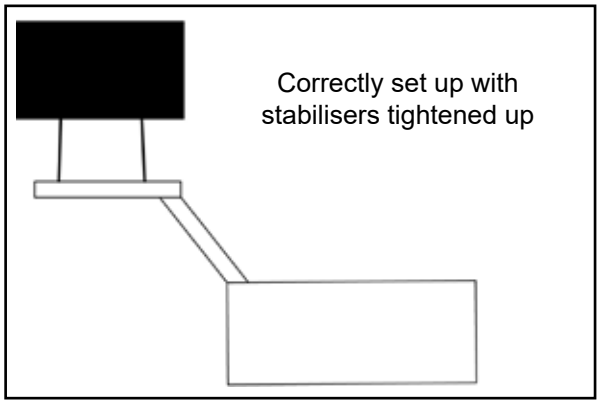
Operating the Machine/Mowing

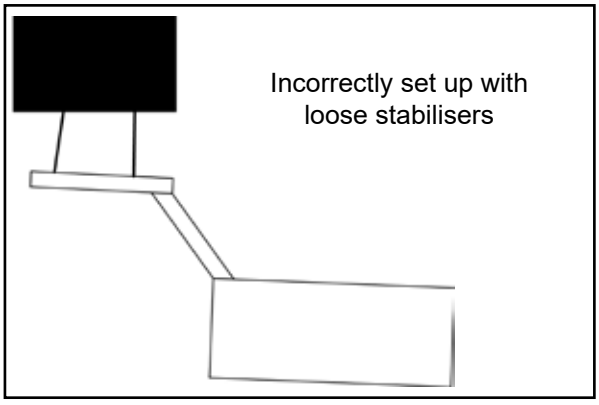
Never place limbs under the machine while rotors are turning. Always operate on level ground when connecting/disconnecting the implement. This will prevent dangerous movement.

Never allow anyone to stand between the tractor and the machine. Ensure the machine is attached correctly to the tractor as previously described.

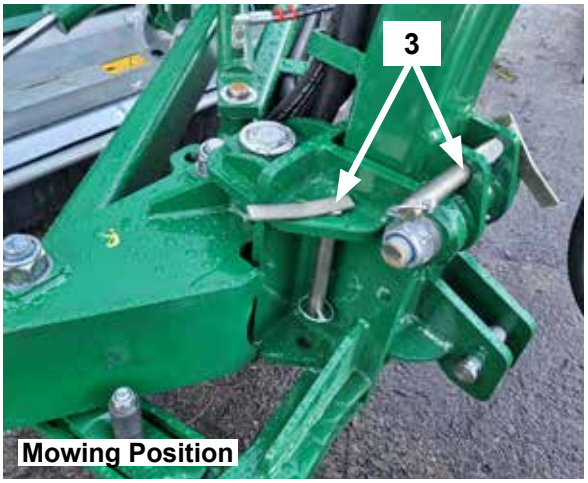
Hydraulic Ram Set Up

1. Fit hydraulic quick fits to Tractor Spool.
2. Remove the Transport Locking Pin.
3. Lift machine & power hydraulics to move body into mowing position.
4. Tighten lower link stabilizer bars to ensure machine is tight on linkage & ensure that linkage bars are positioned to have machine slightly forward when in mowing position.
5. When operating, the machine should be perpendicular or slightly forward to the direction of travel.





1	Hydraulic ram
2	Transport locking pin (in transport)
3	Transport locking pin (when mowing)



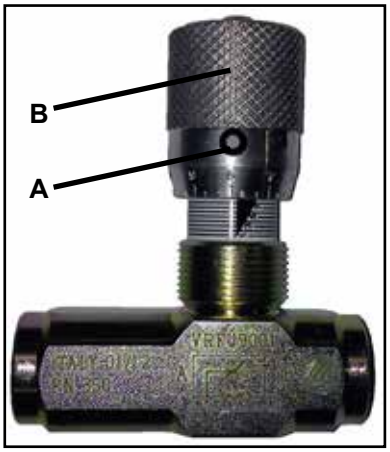

Mowing Position


Mowing Position


Mowing Position

Flow Restrictor Tap

The speed of lowering and raising the machine is controlled by a Flow Restrictor Tap which is located on the hydraulic hose connected to the Body Ram. The adjustment should be carried out by a competent and qualified person.



In order to adjust the flow:

- Slacken grub screw **A**,
- Turn the knob **B** until desired speed lowering/raising is reached,
- Lock the position of knob **B** by tightening grub screw **A**.

Breakaway

In order to protect the machine from damage, breakaway unit is fitted to all MJ36 mowers. Should the machine run into an obstacle, the breakaway latch will release and the whole machine will swing back.

Tension in the spring is set at the factory to cater for the most common cutting conditions. This setting is achieved by keeping the distance of 95mm between the latch and the nut.

To reset the machine into mowing position, reverse slowly until the latch locks in its original place.

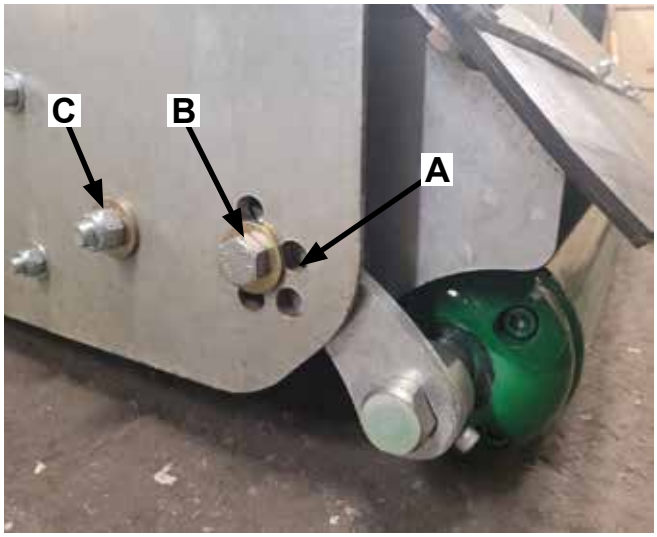
Roller adjustment

In order to achieve desired cutting height, the roller should be adjusted.

Roller

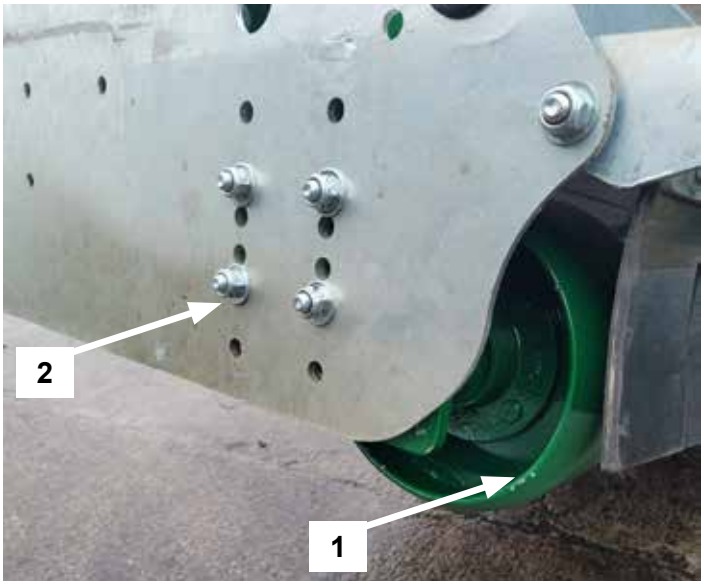
To adjust the height of the roller follow this procedure at both sides of the roller:

1. Loosen Bolt **C** (Note: You do not have to remove the bolt, half of the turn will suffice to allow movement);
2. Remove Bolt **B** and locate in the desired slot **A**. (Note: Pay attention when removing Bolt **B** as the roller may swing down, adequate support must be provided under the roller);
3. Match the height of the roller on both sides of the machine by checking the position of Bolt **B** in slot **A**;
4. When adjustment is complete, re-tighten Bolts **B** and **C**.



Steel wheel

Every model is fitted with a wheel which stops the machine from bottoming out. It must belocated at the front outer edge fo the machine. The wheel is factory set to suit most cutting conditions, however, it can be adjusted if required, to do so remove 4 bolts shown and set to the required height.



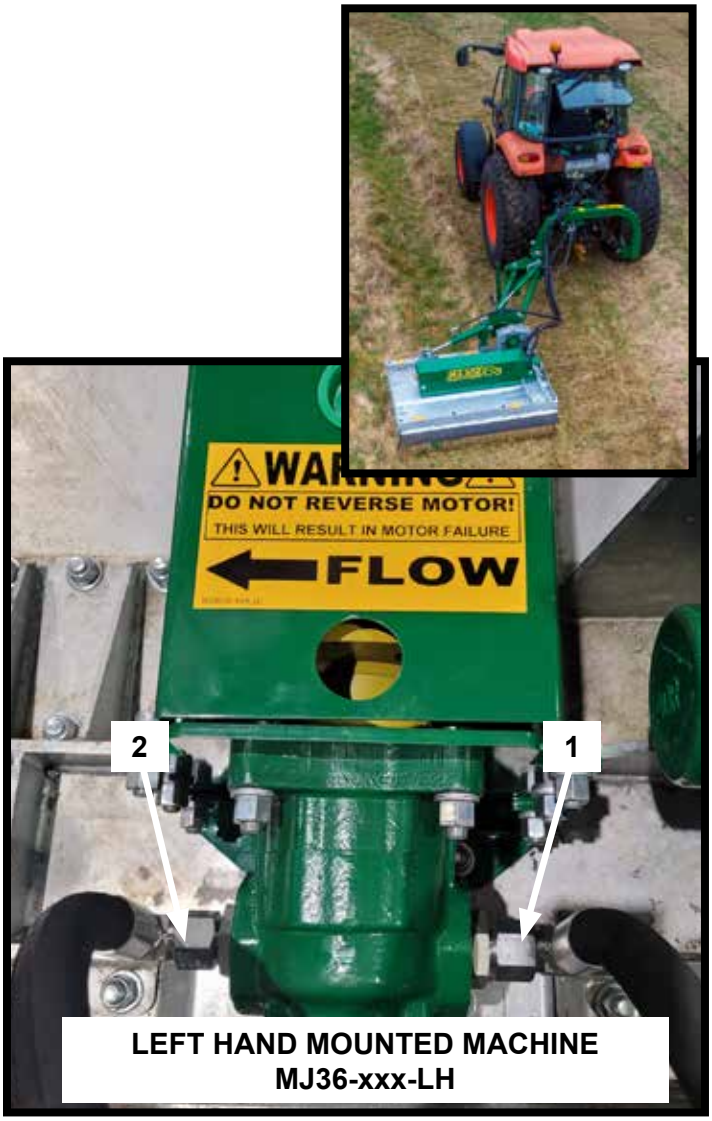
1	Steel wheel
2	Adjustment bolts

Hydraulics setup

Make sure that the return hose is plugged into an **unrestricted free flow return**.
Pay attention to the FLOW direction arrow on your machine as Left hand mounted and Right hand mounted machines have a different flow direction! Replace worn or damaged labels immediately.
Connecting the wrong hoses <u>will result</u> in motor/seal damage!

1	Flow hose
2	Free flow return hose

RIGHT HAND MOUNTED MACHINE
MJ36-xxx-RH



LEFT HAND MOUNTED MACHINE
MJ36-xxx-LH

Maintenance

In order to keep your Major machine in a good working order it is necessary to conduct maintenance on a regular basis. Only competent and skilled persons who have fully read and understood this operator's manual are allowed to carry out maintenance on this machine. It is important to replace worn parts immediately with genuine Major spare parts. These parts are manufactured to the same specification as the machine and will provide the best result. Genuine Major spares can be obtained from MAJOR or your local MAJOR dealer.

All maintenance checks and operations must be carried on a firm level ground. The machine must always be disconnected form the tractor before any cleaning, lubricating and servicing operations can be carried out. If works must be carried out under the machine, ensure that the props, jacks, stands, hoists or cranes are capable of supporting the machine securely.

If emergency operations are required whilst the machine is connected to the tractor, switch off the engine of the tractor, remove the key from the ignition, engage the parking brake. An example of such emergency situation is the complete blockage of the machine in the field. To clear out the blockage follow the safety steps described above and clear out the blockage. Ensure there are no ropes, twines or wires wrapped around the rotors.

Machine storage

To prolong the life of your machine it is recommended to store it in a dry environment. Prior to parking the machine for storage, wash the machine thoroughly, especially underneath, and ensure that there is no grass or debris left on the machine. Lubricate all pivot points with EP2 type grease. Check for oil leaks and fix these if required. Any parts of the machine with damaged paint/galvanised surface must be painted.

Transmission Bolts

All nuts and bolts in the transmission including Rubber couplings, Star Drives, PTO Shafts and Gearboxes should be checked for tightenes after mowing at the following intervals:
1st 50 Acres
1st 100 Acres
1st 250 Acres
And every 250 acres thereafter.

Roller *(if applicable)*

Check the of condition of the rollerend (stub axle) at the end of every season. Roller shaft (stub) must be able to rotate freely and without excessive play. If necessary, remove the roller assembly and adjust the tightness of the bearings.

Replacement of wear parts

Blades, blade backs, blade bushing, blade bolts and nuts must be checked on a regular basis for wear and defection. MAJOR recommends to visually check the blade assemblies every 40 hours of operation. This interval may change depending on the operational conditions.
Replace any damaged or worn parts immediately, failure to do so can result in blade breakages and can cause damage to the equipment or injuries to the operator and others nearby.
Blunt blades must be sharpened or replaced, failure to do so will result in a poor quality cut and excessive use of power from your tractor.

If the machine is equipped with wheels, wheel nuts must be checked daily. Air pressure within pneumatic tyres must be maintained at 2 Bar. Solid wheels must be checked for wear and damage and if necessary replaced immediately.

ENSURE BLADE ROTATION AND TIMING IS CORRECT AFTER SERVICING TRANSMISSION.

Pay attention when servicing or detaching components from the machine. Subassemblies and parts e.g. blade assemblies, gearboxes, rollers, guards, skids, wheels etc. can weigh up to 100 kilograms individually and must be supported adequately before fully detaching from the machine.

Clearing out a blockage

Always wear appropriate PPE when clearing out blockages.

If blockage of blades occurs proceed as follows:
1. Set the machine into transport position (including the top links);
2. Park the tractor on level ground, switch off the engine and remove the key from the ignition;
3. Disconnect the hydraulic motor hoses;
4. Using a pressure washer clear out the excess material built up around the blades. If the pressure washer is not available use your hand to remove the grass from around the blades, bearing in mind that there might be wires wrapped up around the rotors.

Troubleshooting

Fault	Cause	Remedy
Machine is getting blocked	Material too high or too much material	Reduce the ground speed but maintain required rpm from the PTO input
		Reduce the ground speed but maintain required oil flow rate (hydraulic driven machines)
	Grass is too wet	Stop and wait until grass is dried
	Worn or dull blades	Sharpen or replace blades
Leaves a streak of uncut or partially cut grass	Blades dull or bent	Sharpen or replace blades
	Carrier RPM too low	Use correct PTO speed
	Oil flow rate is too low (hydraulic driven machines)	Increase the oil flow rate but do not exceed the maximum rate permitted
	Field conditions are so wet that the tractor tyre is pushing grass into mud	Too wet to mow. Stop operation and wait until grass is drier
	Ground speed too fast	Reduce ground speed by shifting to a lower gear
	Possible build-up materials under mower	Clean mower
	Blades mounted incorrectly (cutting edge against direction rotation)	Change blades so that cutting edge is facing correct rotation.
Material discharges from mower unevenly; bunches of material along with swath	Material too high and/or too much material	Reduce ground speed but maintain the recommended RPM at tractor PTO or make two passes over material. Raise mower for the first pass and lower to desired height for the second and cut a 90 degree angle to first pass
		Reduce ground speed but maintain the recommended oil flow rate or make two passes over material. Raise mower for the first pass and lower to desired height for the second and cut a 90 degree angle to first pass (for hydraulic driven machines
Gearbox overheating	Low on lubricant	Fill to proper level
	Improper type lubricant	Replace with proper lubricant
	Excessive grass / debris build-up around gearbox	Remove grass, etc from machine
Blade/bullets is scalping ground	Mower too low	Raise mower-reset wheels
	Field is ridged	Cut field at a different angle
	Field is too wet	Stop and wait until it is dried
Mower will not cut.	Shear bolt sheared	Install new shear bolt
Blades/bullets wear too fast	Cutting in sandy conditions	Increase cutting height
	Cutting in rocky conditions	Increase cutting height
	Blades hitting ground	Increase cutting height
Mower seems to require excessive power	Advancing into grass too rapidly	Reduce forward travel speed
	Hitting ground	Raise mower and reset wheels
	Worn or dull blades	Sharpen or replace blades
	Tractor not large enough	Use larger horsepower tractor
Excessive vibration	Check gearbox bolts	Tighten if loose
	Check for loose nuts on blades	Tighten if loose
	Blade broken	Replace blades, in set
	New blade or bolts matched with worn blade or bolts	Replace blades or bolts in sets
	Drivelines not phased correctly. Implement and tractor yokes must be in line	Phase the driveline. Replace if necessary

Noisy machine	Worn bearing	Replace bearings
	Low oil in gearbox	Check level and add oil
	Loose Parts	Check all bolts are fully tightened
	Wrong PTO rpm rate	Check PTO rate & adjust as necessary
	Rotors bent / broken	Replace bent or missing blades
	Bent PTO shaft	Check PTO shafts are aligned correctly
		Check output shaft on gearboxs are not bent
		Check driveline between gearboxes is aligned.
Gearbox leaking	Damaged oil seal	Replace seal
	Bent shaft	Replace oil seal and shaft
	Shaft rough in oil seal area	Replace or repair shaft
	Oil seal installed incorrectly	Replace seal
	Oil seal not sealing in the housing	Replace seal or use a sealant on outside diameter of seal
	Oil level too high	Drain oil to proper level
	Hole in gearbox	Replace the gearbox
	Gasket damaged	Replace gasket
	Bolts loose	Tighten bolts

Lubrication schedule

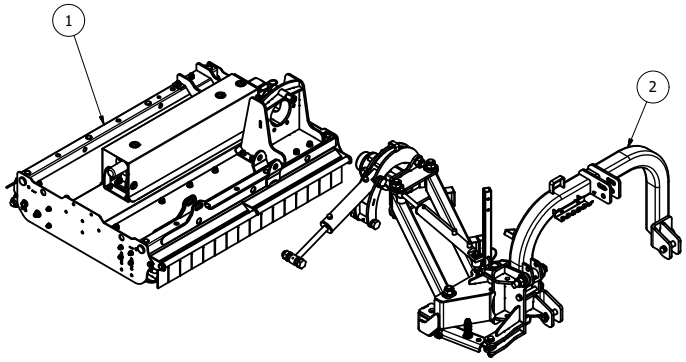
Use EP2 type grease or equivalent.
Use gear oil which conforms to 80W/90 standards.
Use hydraulic motor oil which conforms to ISO100 standards

	Grease points	Initially	25 hours	40 hours	80 hours	400 hours
Headstock floatation	1			●		
Headstock swivel	1			●		
Body Ram link pivot	2			●		
Steel wheel	1				●	
Carry Arm Pivot Points	4			●		
Hydraulic Rams	1 x2			●		
Roller	2	●			●	
Check oil levels in the gearboxes					●	
Replace oil in gearboxes						●

CHECK TIGHTNESS OF NUTS ON THE PIVOT CONNECTION DAILY.

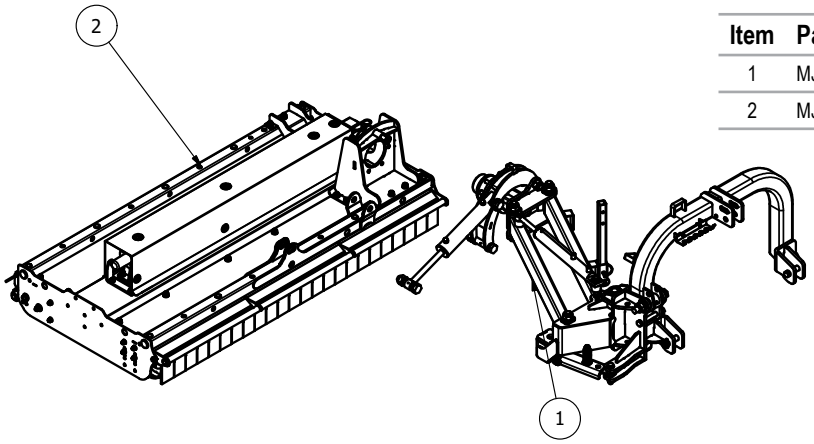
Spare parts - MJ36

MJ36-140-RH Overview



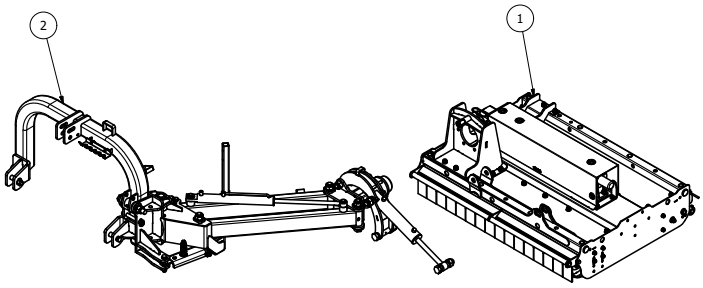
Item	Part No.	Description	Qty
1	MJ36-140-BDGA	140 BODY ASSY (RH)	1
2	MJ36-140-CFGA	VERGE MOWER CARRY FRAME (RH)	1

MJ36-210-RH Overview



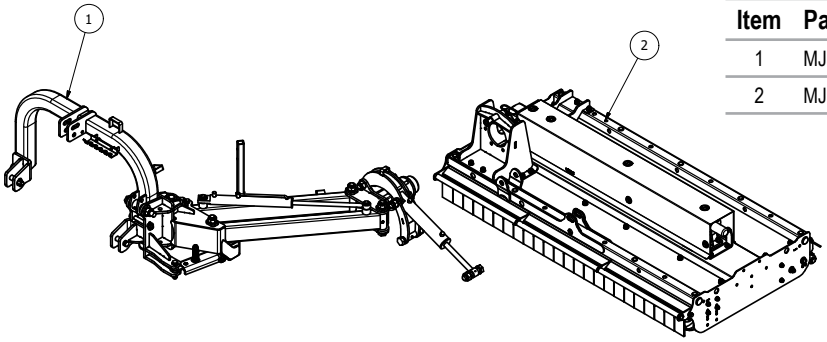
Item	Part No.	Description	Qty
1	MJ36-140-CFGA	VERGE MOWER CARRY FRAME (RH)	1
2	MJ36-210-BDGA	210 BODY ASSY (RH)	1

MJ36-140-LH Overview



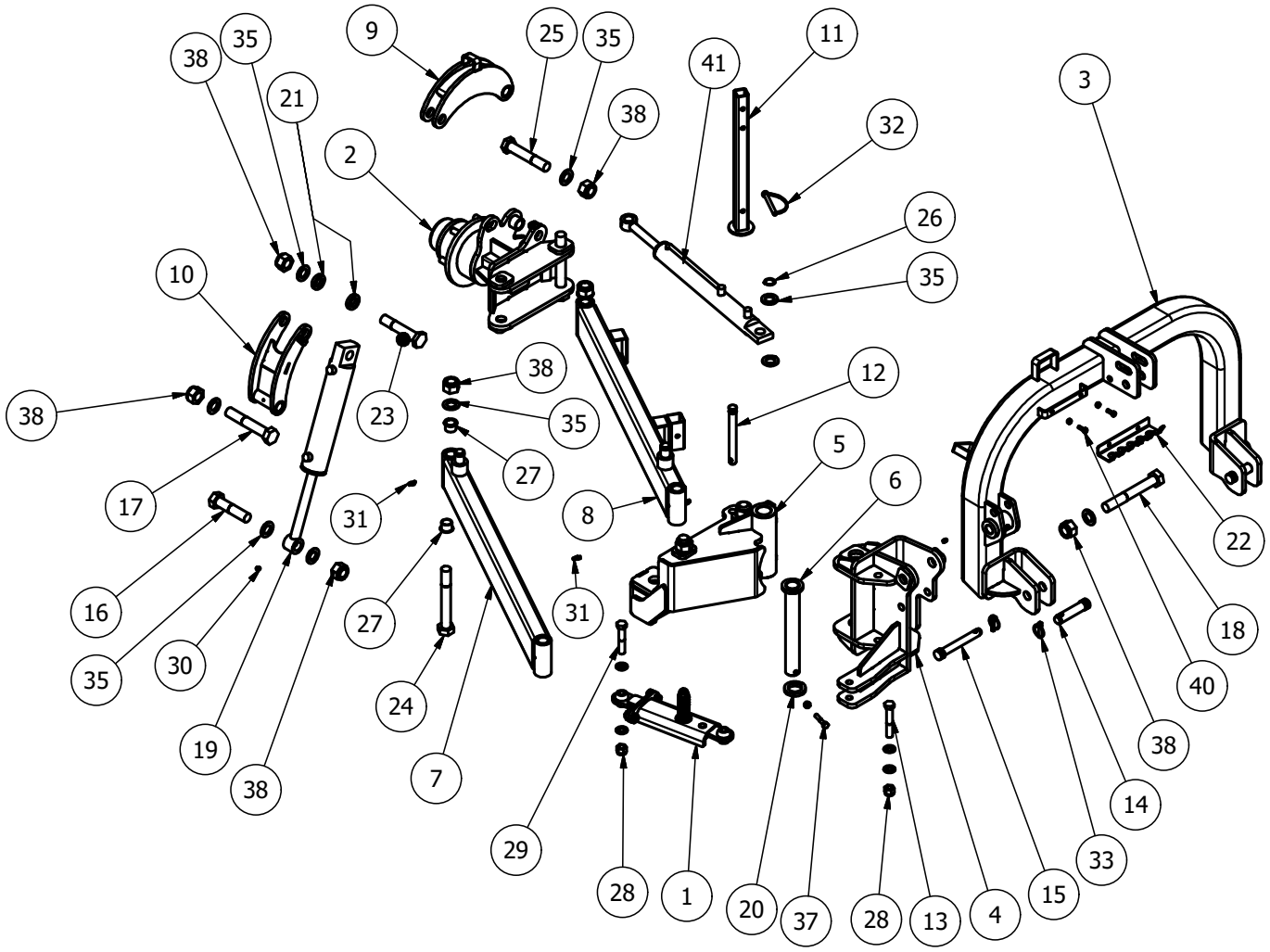
Item	Part No.	Description	Qty
1	MJ36-140-BDGA-H	140 BODY ASSY (LH)	1
2	MJ36-140-CFGA-H	VERGE MOWER CARRY FRAME (LH)	1

MJ36-210-LH Overview



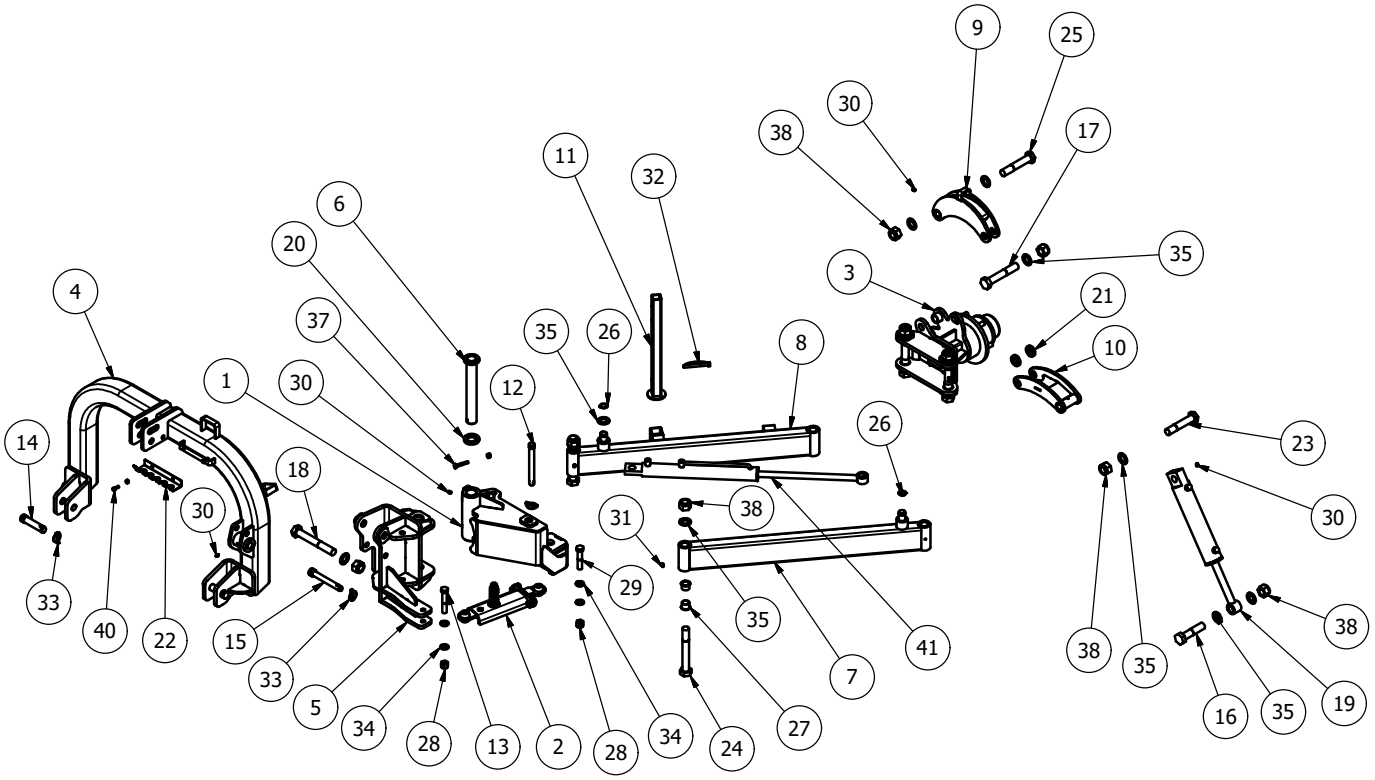
Item	Part No.	Description	Qty
1	MJ36-140-CFGA-H	VERGE MOWER CARRY FRAME (LH)	1
2	MJ36-210-BDGA-H	210 BODY ASSY (LH)	1

MJ36-140-CFGA Carry Frame RH



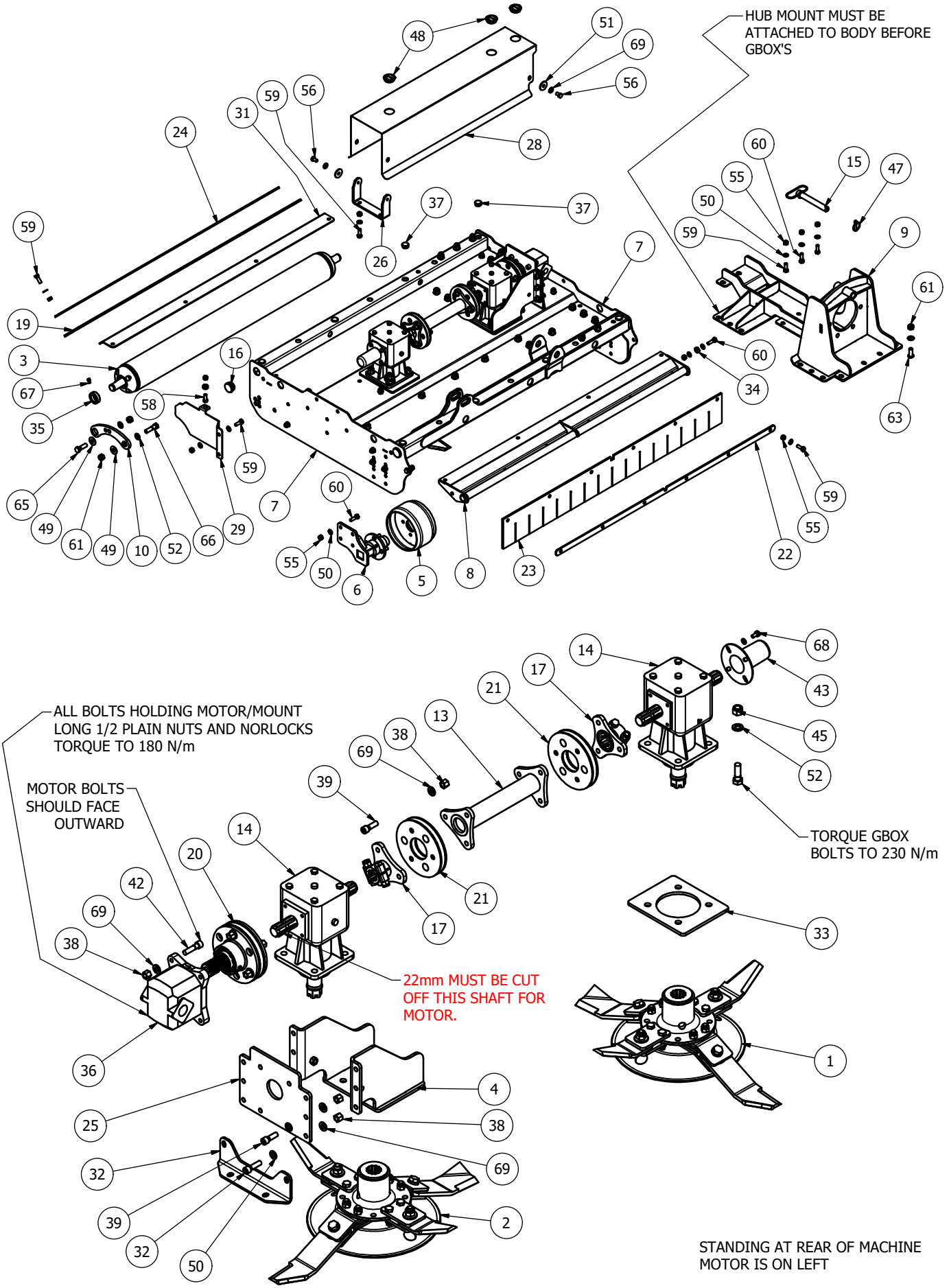
Item	Part No.	Description	Qty
1	MJ36-140-BA01	BREAKAWAY ASM	1
2	MJ36-140-BDP01	BODY PIVOT (RH)	1
3	OSM-AF-20	A FRAME (RH)	1
4	MJ36-140-AFP01	A FRAME BRKAWAY PIVOT (RH)	1
5	MJ36-140-AFP10	BREAKAWAY PIVOT (RH)	1
6	MJ36-140-BAP01	MAIN PIVOT PIN	1
7	OSM-CA-10	CARRY ARM (OUTER)	1
8	OSM-CA-30	CARRY ARM INNER (RH)	1
9	OSM-LK-01	RAM LINK (UPPER)	1
10	OSM-LK-20	RAM LINK (LOWER)	1
11	OSM-STD-01	PARKING STAND	1
12	140553	CAT 1 PIN DIA 22x183mm	1
13	34x412FBZP	3/4"x4 1/2" FINE BOLT	1
14	5033	CAT 2 PIN DIA 28.5x95mm	2
15	72	CAT 1 PIN DIA 22x149mm	1
16	M30x130BZP	M30x130 BOLT	1
17	M30x180BZP	M30x180 BOLT	1
18	M30x220BZP	M30x220 BOLT	1
19	OSM-BD-RAM	BODY RAM	1
20	MJ36-140-BAP02	MAIN PIVOT PIN CAP	1
21	OSM-LK-31	LINK BUSH SPACER	2
22	TA-HCM04	CABLE MOUNT	1
23	OSM-PP-05	LINK PIVOT BOLT	1
24	OSM-PP-06	ARM PIVOT BOLT	4
25	OSM-PP-07	ARM PIVOT BOLT	1
26	2882	DIA 30 EXT CIRCLIP	2
27	3026DU	30x34x26 FLANGE BUSH	8
28	34F	3/4" FINE NYLOC NUT	2
29	34x4FBZP	3/4"x4" FINE BOLT	1
30	851	GREASE NIPPLE M8x1.25 STR	4
31	857	GREASE NIPPLE M8x45x1.25P	4
32	AG272	SHAFT LOCK PIN DIA 11	1
33	AN099/10	LINCH PIN DIA 9.5	4
34	FWM20	M20 FLAT WASHER	4
35	FWM30	M30 FLAT WASHER	13
36	M10	M10 NYLOC NUT	1
37	M10x60BZP	M10x60 BOLT	1
38	M30	M30 NYLOC NUT	9
39	M8	M8 NYLOC NUT	2
40	M8x25BZP	M8x25 BOLT	2
41	OSM-CA-RAM	CARRY ARM RAM	1

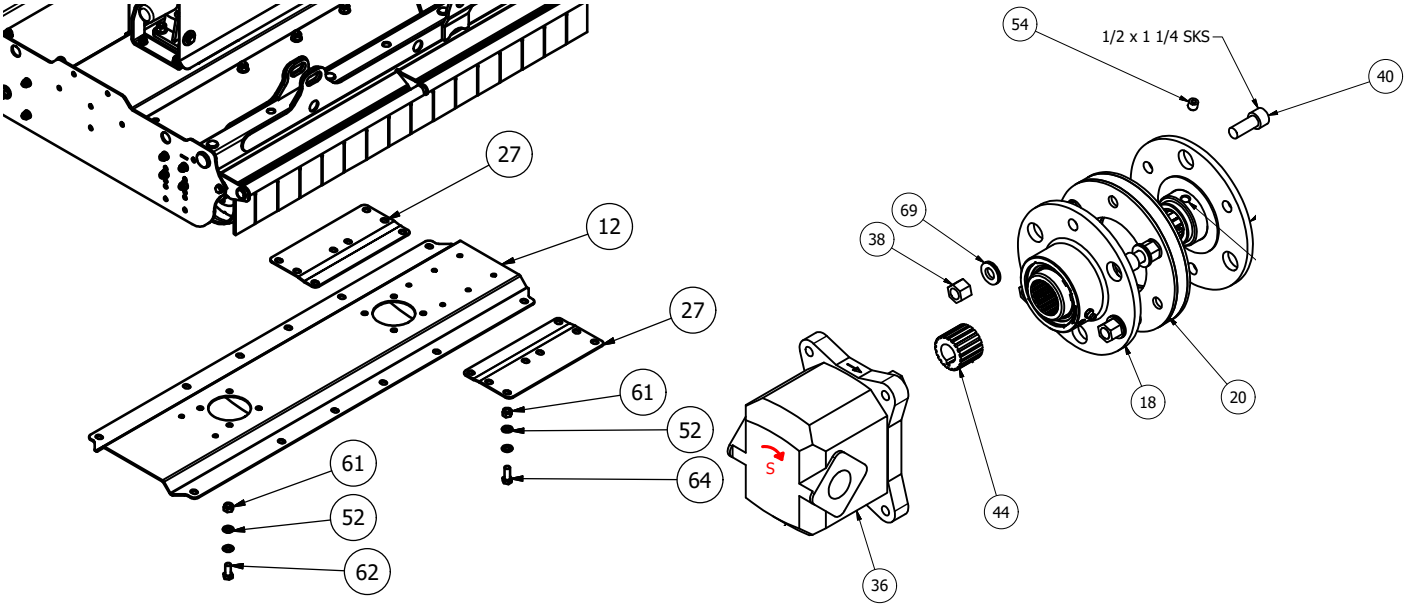
MJ36-140-CFGA-H Carry Frame LH



Item	Part No.	Description	Qty
1	MJ36-140-AFP10-H	BREAKAWAY PIVOT (LH)	1
2	MJ36-140-BA01	BREAKAWAY ASM	1
3	MJ36-140-BDP01-H	BODY PIVOT (LH)	1
4	OSM-AF-01	A FRAME (LH)	1
5	MJ36-140-AFP01-H	A FRAME BREAKAWAY PIVOT (LH)	1
6	MJ36-140-BAP01	MAIN PIVOT PIN	1
7	OSM-CA-10	CARRY ARM (OUTER)	1
8	OSM-CA-20	CARRY ARM INNER (LH)	1
9	OSM-LK-01	RAM LINK (UPPER)	1
10	OSM-LK-20	RAM LINK (LOWER)	1
11	OSM-STD-01	PARKING STAND	1
12	140553	CAT 1 PIN DIA 22x183mm	1
13	34x412FBZP	3/4"x4 1/2" FINE BOLT	1
14	5033	CAT 2 PIN DIA 28.5x95mm	2
15	72	CAT 1 PIN DIA 22x149mm	1
16	M30x130BZP	M30x130 BOLT	1
17	M30x180BZP	M30x180 BOLT	1
18	M30x220BZP	M30x220 BOLT	1
19	OSM-BD-RAM	BODY RAM	1
20	MJ36-140-BAP02	MAIN PIVOT PIN CAP	1
21	OSM-LK-31	LINK BUSH SPACER	2
22	TA-HCM04	CABLE MOUNT	1
23	OSM-PP-05	LINK PIVOT BOLT	1
24	OSM-PP-06	ARM PIVOT BOLT	4
25	OSM-PP-07	ARM PIVOT BOLT	1
26	2882	DIA 30 EXT CIRCLIP	2
27	3026DU	30x34x26 FLANGE BUSH	8
28	34F	3/4" FINE NYLOC NUT	2
29	34x4FBZP	3/4"x4" FINE BOLT	1
30	851	GREASE NIPPLE M8x1.25 STR	4
31	857	GREASE NIPPLE M8x45x1.25P	4
32	AG272	SHAFT LOCK PIN DIA 11	1
33	AN099/10	LINCH PIN DIA 9.5	4
34	FWM20	M20 FLAT WASHER	4
35	FWM30	M30 FLAT WASHER	13
36	M10	M10 NYLOC NUT	1
37	M10x60BZP	M10x60 BOLT	1
38	M30	M30 NYLOC NUT	9
39	M8	M8 NYLOC NUT	2
40	M8x25BZP	M8x25 BOLT	2
41	OSM-CA-RAM	CARRY ARM RAM	1

MJ36-140-RH (MJ36-140-BDGA)



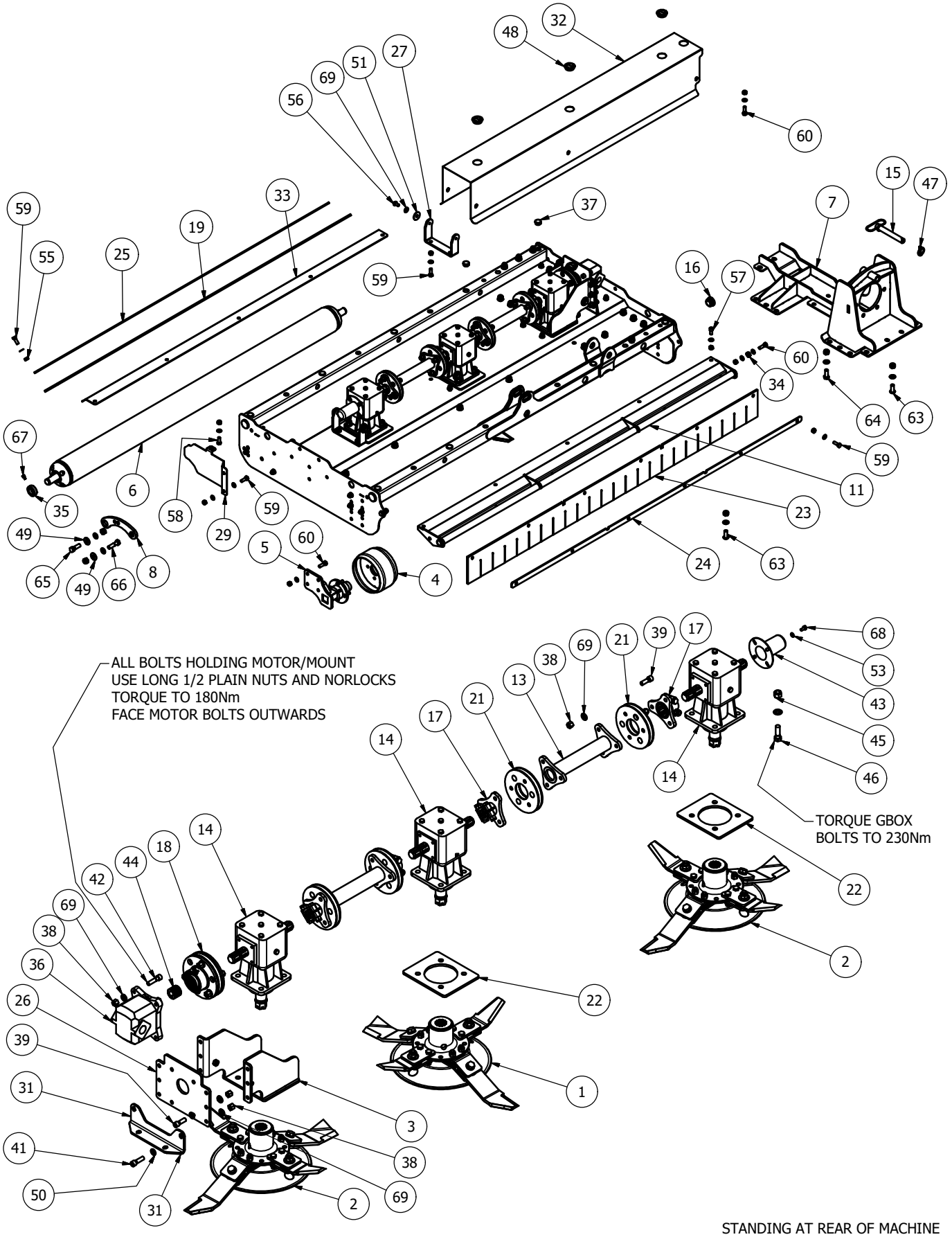


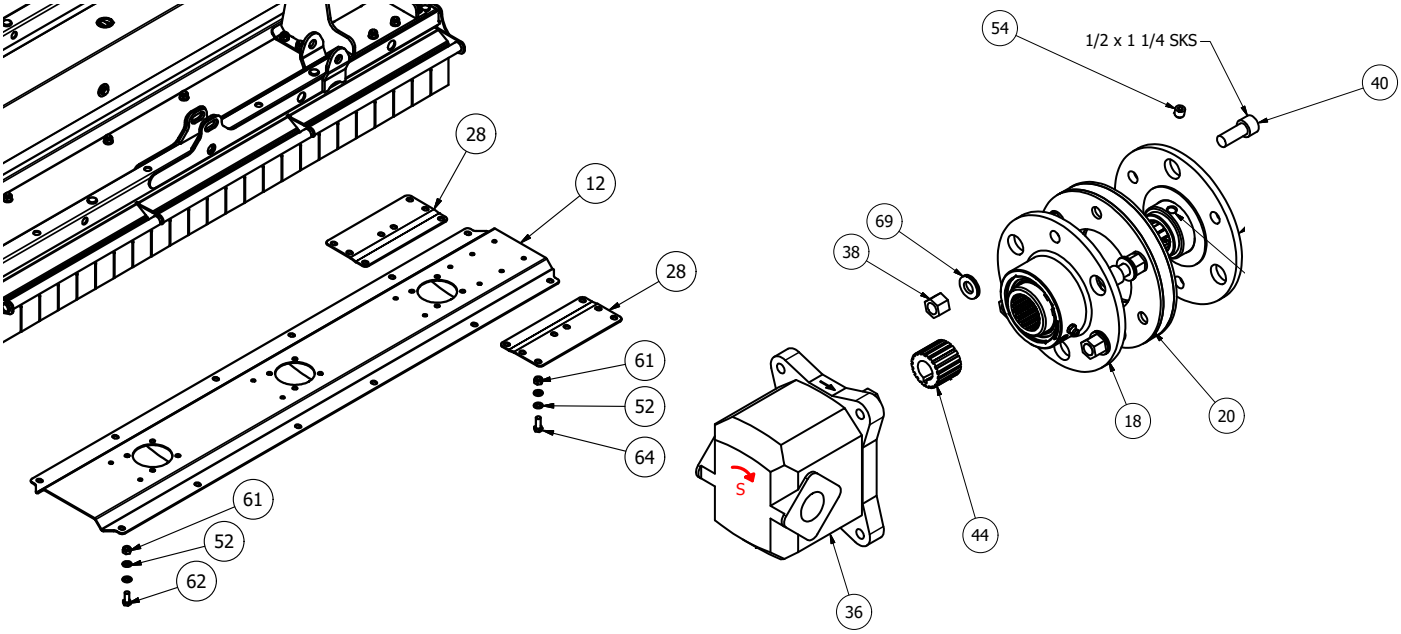
MJ36-140-RH (MJ36-140-BDGA) - Parts List

Item	Part No.	Description	Qty
1*	**755-DCBLDHXFS-L**	**755 BLADE (Anti_Clk)**	**1**
2*	**755-DCBLDHXFS-R**	**755 BLADE (Clk)**	**1**
3	MJ35-150-ROL01	MJ35-150 BODY ROLLER	1
4	MJ36-140-HDM01	VERGE MOWER MOTOR MOUNT	1
5	MJ36-140-SW01	STEEL WHEEL	1
6	MJ36-140-SW10	STEEL WHEEL AXLE RH	1
7	MJ36-140-BD01	140 BODY (RH)	1
8	MJ36-140-GD01	140 FRONT GAURD	1
9	MJ36-140-HM01	HUB MOUNT (RH)	1
10	MJ36-140-RPV01	ROLLER PIVOT ARM (RH)	1
11	MJ36-140-RPV01-H	ROLLER PIVOT ARM (LH)	1
12	MJ36-140-UST01	140 UNDERSIDE TROUGH	1
13	0940B031001	304mm DRIVE	1
14*	**LF205T**	**6 SPLINE 'T' BOX (205.873) 1.47**	**2**
15	49410	HITCH PIN DIA 25x195mm	1
16	5582	DIA 38.3-42mm INSERT	4
17	60CSD	60mm STAR DRIVE	2
18	WS699302	WS OVERRUN CLUTCH EFK65/14L	1
19	MJ36-140-GD11	REAR RUBBER FLAP	1
20	MJRC-137	DIA 90 RUBBER COUPLING	1
21	MJRC-23-40	23mm COUPLING 40 SHORE	2
22	MJ36-140-GD06	140 FRONT CLAMP	1
23	MJ36-140-GD07	140 FRONT RUBBER SKRT	1
24	MJ36-140-GD12	140 REAR CLAMP	1
25	MJ39-143-HDM31	HYD MOUNT FACE PLATE	1
26	8400RM-CV25	GUARD BASE MOUNT	1
27	MJ36-140-BD11	UNDERSIDE CLAMP PLATE	2
28	MJ36-140-CRV10	140 GBOX COVER	1
29	MJ36-140-DF01	REAR DEFLECTOR (RH)	1
30	MJ36-140-DF01-H	REAR DEFLECTOR (LH)	1
31	MJ36-140-GD10	140 REAR GAURD	1
32	MJ36-140-HDM05	HYD MOUNT DECK SUPPORT	1
33	MJ36-140-HDM06	BASE PLATE	1
34	8SM9-3	BLADE BACK SPACER	2
35	RM-RSN3	SHAFT COLLAR DIA 35	2
36	030W0MD80E564XS0R	HYD MOTOR 80cc ANTI-CLOCKWISE	1
37	111044	DIA 26-30mm INSERT	8
38	1/2hex10.9	1/2HEX10.9	28
39	12x112FSKS	1/2"x1 1/2" FINE SOCKET HEAD 12.9	16
40	12x114SKS	1/2"x1 1/4" FINE SOCKET HEAD 12.9	6
41	12x134FSKS	1/2"x1 3/4" FINE SOCKET HEAD 12.9	2
42	12x2FSKS	1/2"x2" FINE SOCKET HEAD 12.9	4
43	190592	PTO HAT	1
44	4410017	SPLINE GEAR 20T 1:8	1
45	5/8F	5/8" FINE NYLOC NUT	8
46	58x2FBZP	5/8"x2" FINE BOLT	8
47	AN099/10	LINCH PIN DIA 9.5	1
48	CP176-181MG1	45mm INSERT	3
49	CW39174	DISC SPRING 39x17x4 (YELLOW)	4
50	FWM12	M12 FLAT WASHER	53
51	FWM12XL	M12 FLAT WASHER (EX-LARGE)	4
52	FWM16	M16 FLAT WASHER	63
53	FWM8	M8 FLAT WASHER	4
54	M10X10GSO	M10x10 GRUB SCREW OVAL POINT	2
55	M12	M12 NYLOC NUT	39
56	M12x20SZP	M12x20 SET BOLT	4
57	M12x25SKS	M12x25 SOCKET HEAD SCREW	8
58	M12x30SZP	M12x30 SET BOLT	2
59	M12x35BZP	M12x35 BOLT	21
60	M12x40BZP	M12x40 BOLT	8
61	M16	M16 NYLOC NUT	33
62	M16x35SZP	M16x35 SET BOLT	8
63	M16x40SKBH	M16x40 SOCKET BUTTON HEAD 10.9	7
64	M16x40SZP	M16x40 SET BOLT	14
65	M16x50BZP	M16x50 BOLT	2
66	M16x60BZP	M16x60 BOLT	2
67	M8x12SKS	M8x12mm SOCKET HEAD 12.9	2
68	M8x16SZP	M8x16 SET BOLT	4
69	NL12SP	M12 SP NORDLOCK	32

*** - further breakdown provided**

MJ36-210-RH (MJ36-210-BDGA)



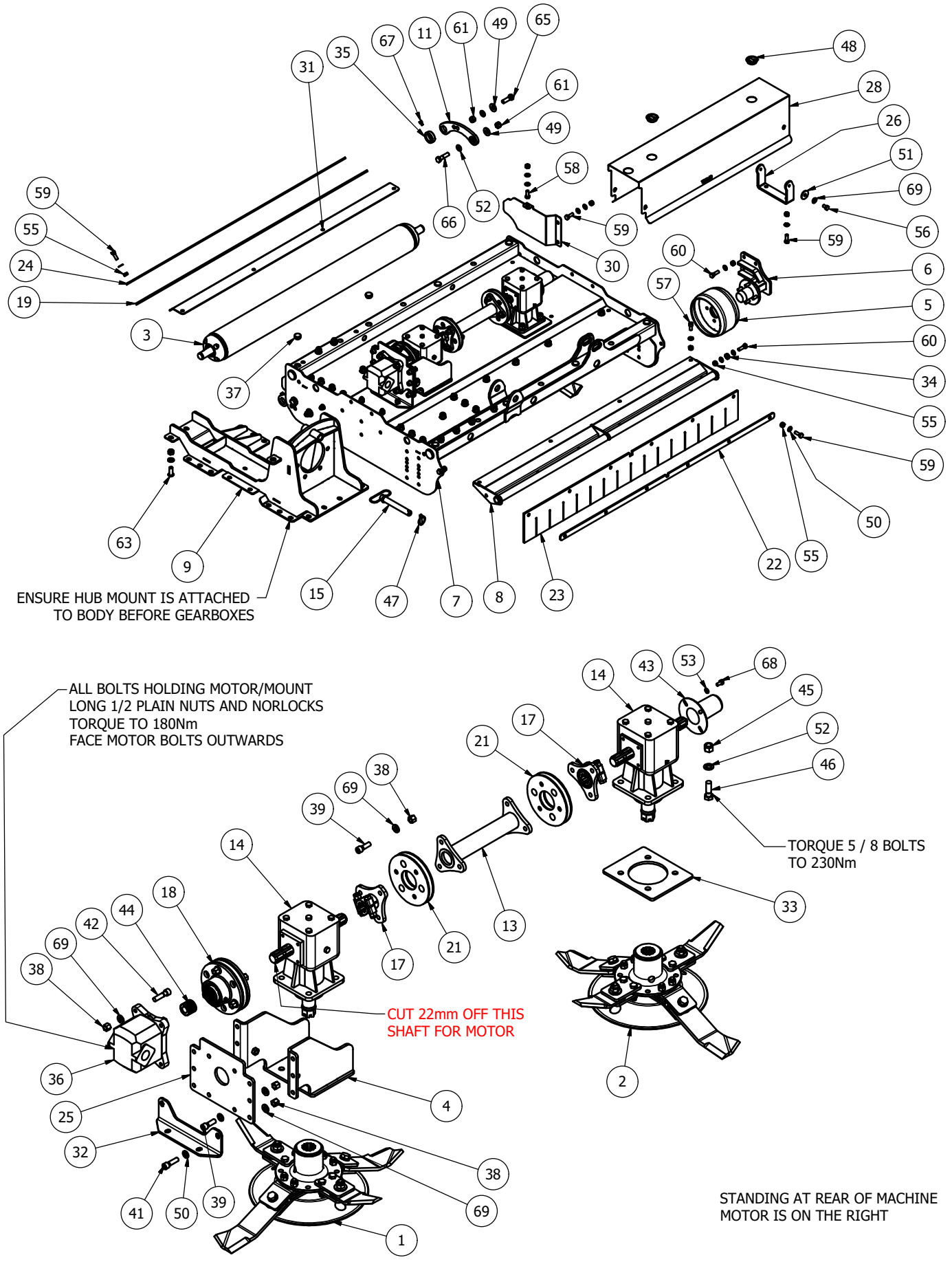


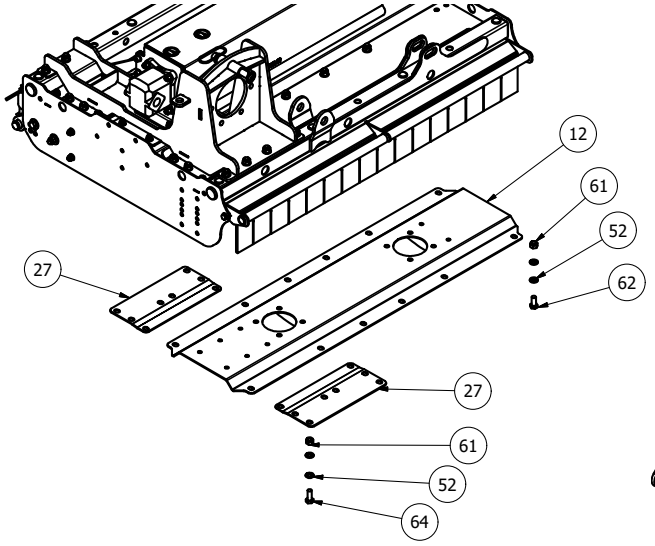
MJ36-210-RH (MJ36-210-BDGA) - Parts List

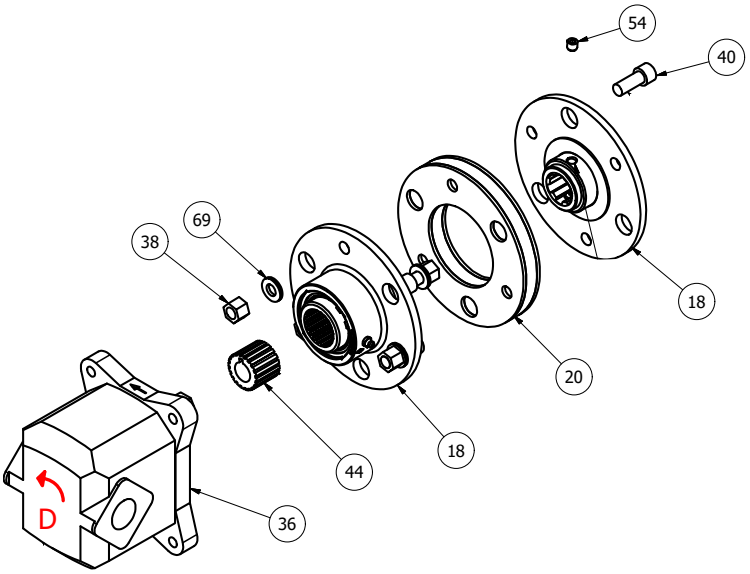
Item	Part No.	Description	Qty
1*	**755-DCBLDHXFS-L**	**755 BLADE (Anti_Clk)**	**1**
2*	**755-DCBLDHXFS-R**	**755 BLADE (Clk)**	**2**
3	MJ36-140-HDM01	VERGE MOWER MOTOR MOUNT	1
4	MJ36-140-SW01	STEEL WHEEL	1
5	MJ36-140-SW10	STEEL WHEEL AXLE RH	1
6	MJ36-210-ROL	210 VERGE MOWER ROLLER	1
7	MJ36-140-HM01	HUB MOUNT (RH)	1
8	MJ36-140-RPV01	ROLLER PIVOT ARM (RH)	1
9	MJ36-140-RPV01-H	ROLLER PIVOT ARM (LH)	1
10	MJ36-210-BD01	210 BODY RH	1
11	MJ36-210-GD01	210 FRONT GAURD	1
12	MJ36-210-UST01	210 UNDERSIDE TROUGH	1
13	0940B031001	304mm DRIVE	2
14*	**LF205T**	**6 SPLINE 'T' BOX (205.873) 1.47**	**3**
15	49410	HITCH PIN DIA 25x195mm	1
16	5582	DIA 38.3-42mm INSERT	4
17	60CSD	60mm STAR DRIVE	4
18	WS699302	WS OVERRUN CLUTCH EFK65/14L	1
19	MJ36-210-GD12	REAR RUBBER FLAP	1
20	MJRC-137	DIA 90 RUBBER COUPLING	1
21	MJRC-23-40	23mm COUPLING 40 SHORE	4
22	MJ36-140-HDM06	BASE PLATE	2
23	MJ36-210-GD05	FRONT RUBBER SKIRT	1
24	MJ36-210-GD06	210 FRONT CLAMP	1
25	MJ36-210-GD11	210 REAR RUBBER CLAMP	1
26	MJ39-143-HDM31	HYD MOUNT FACE PLATE	1
27	8400RM-CV25	GUARD BASE MOUNT	2
28	MJ36-140-BD11	UNDERSIDE CLAMP PLATE	2
29	MJ36-140-DF01	REAR DEFLECTOR (RH)	1
30	MJ36-140-DF01-H	REAR DEFLECTOR (LH)	1
31	MJ36-140-HDM05	HYD MOUNT DECK SUPPORT	1
32	MJ36-210-CRV10	210 GBOX COVER	1
33	MJ36-210-GD10	210 REAR GUARD	1
34	8SM9-3	BLADE BACK SPACER	2
35	RM-RSN3	SHAFT COLLAR DIA 35	2
36	030W0MD80E564XS0R	HYD MOTOR 80cc ANTI-CLOCKWISE	1
37	111044	DIA 26-30mm INSERT	10
38	1/2hex10.9	1/2HEX10.9	40
39	12x112FSKS	1/2"x1 1/2" FINE SOCKET HEAD 12.9	28
40	12x114SKS	1/2"x1 1/4" FINE SOCKET HEAD 12.9	6
41	12x134FSKS	1/2"x1 3/4" FINE SOCKET HEAD 12.9	2
42	12x2FSKS	1/2"x2" FINE SOCKET HEAD 12.9	4
43	190592	PTO HAT	1
44	4410017	SPLINE GEAR 20T 1:8	1
45	5/8F	5/8" FINE NYLOC NUT	12
46	58x2FBZP	5/8"x2" FINE BOLT	12
47	AN099/10	LINCH PIN DIA 9.5	1
48	CP176-181MG1	45mm INSERT	4
49	CW39174	DISC SPRING 39x17x4 (YELLOW)	4
50	FWM12	M12 FLAT WASHER	59
51	FWM12XL	M12 FLAT WASHER (EX-LARGE)	6
52	FWM16	M16 FLAT WASHER	67
53	FWM8	M8 FLAT WASHER	4
54	M10X10GSO	M10x10 GRUB SCREW OVAL POINT	2
55	M12	M12 NYLOC NUT	45
56	M12x20SZP	M12x20 SET BOLT	6
57	M12x25SKS	M12x25 SOCKET HEAD SCREW	10
58	M12x30SZP	M12x30 SET BOLT	4
59	M12x35BZP	M12x35 BOLT	23
60	M12x40BZP	M12x40 BOLT	8
61	M16	M16 NYLOC NUT	33
62	M16x35SZP	M16x35 SET BOLT	8
63	M16x40SKBH	M16x40 SOCKET BUTTON HEAD 10.9	7
64	M16x40SZP	M16x40 SET BOLT	14
65	M16x50BZP	M16x50 BOLT	2
66	M16x60BZP	M16x60 BOLT	2
67	M8x12SKS	M8x12mm SOCKET HEAD 12.9	2
68	M8x16SZP	M8x16 SET BOLT	4
69	NL12SP	M12 SP NORDLOCK	46

*** - further breakdown provided**

MJ36-140-LH (MJ36-140-BDGA-H)





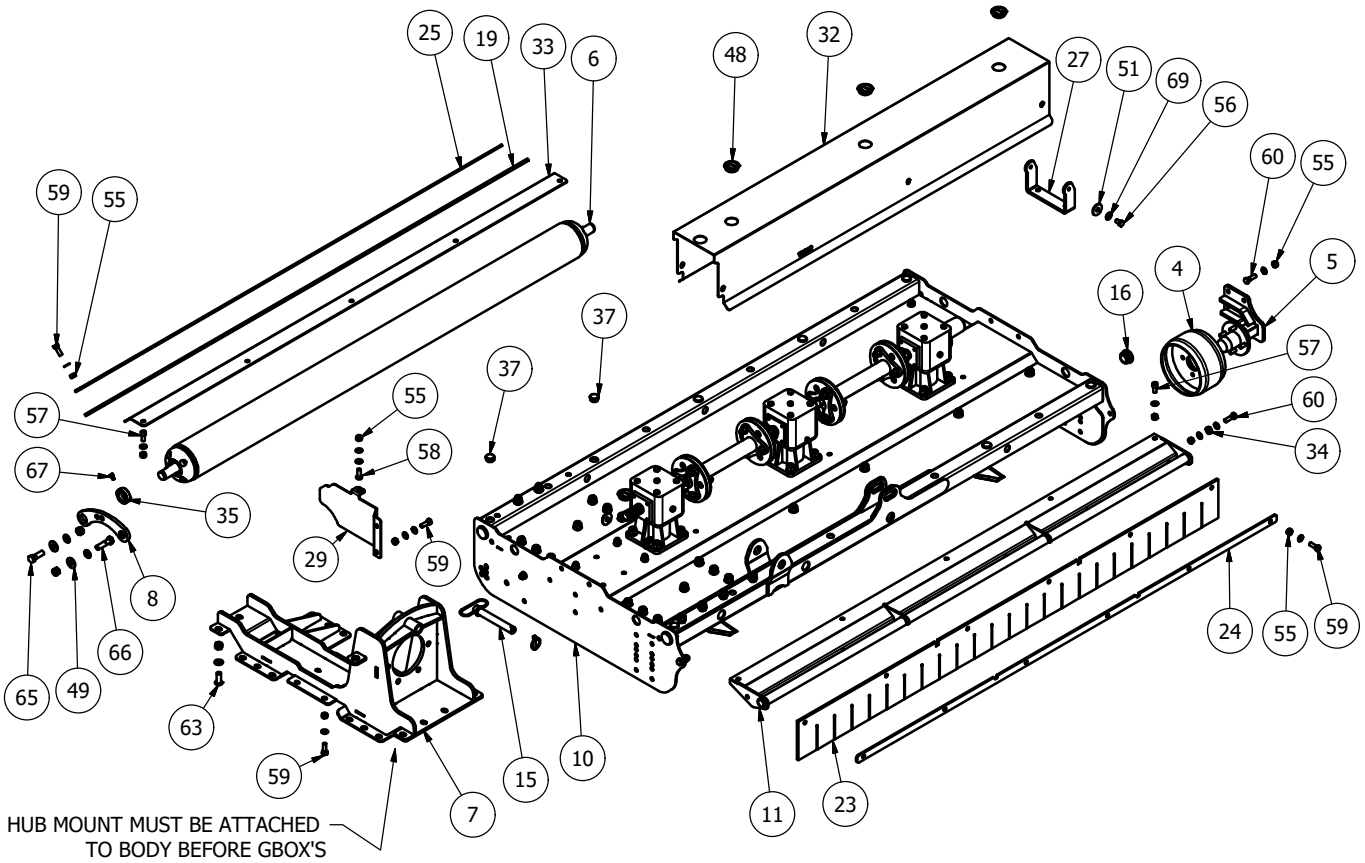


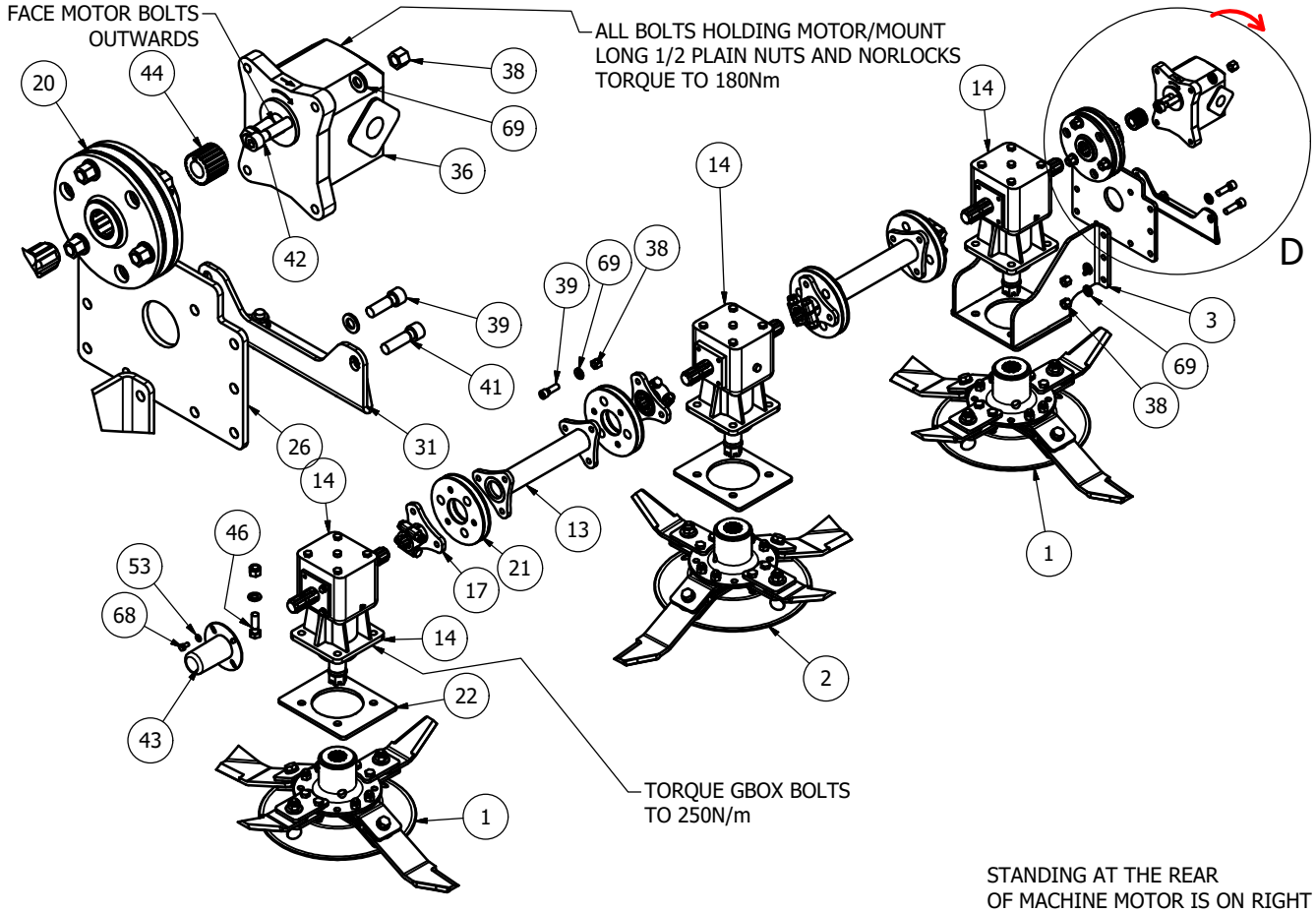
MJ36-140-LH (MJ36-140-BDGA-H) - Parts List

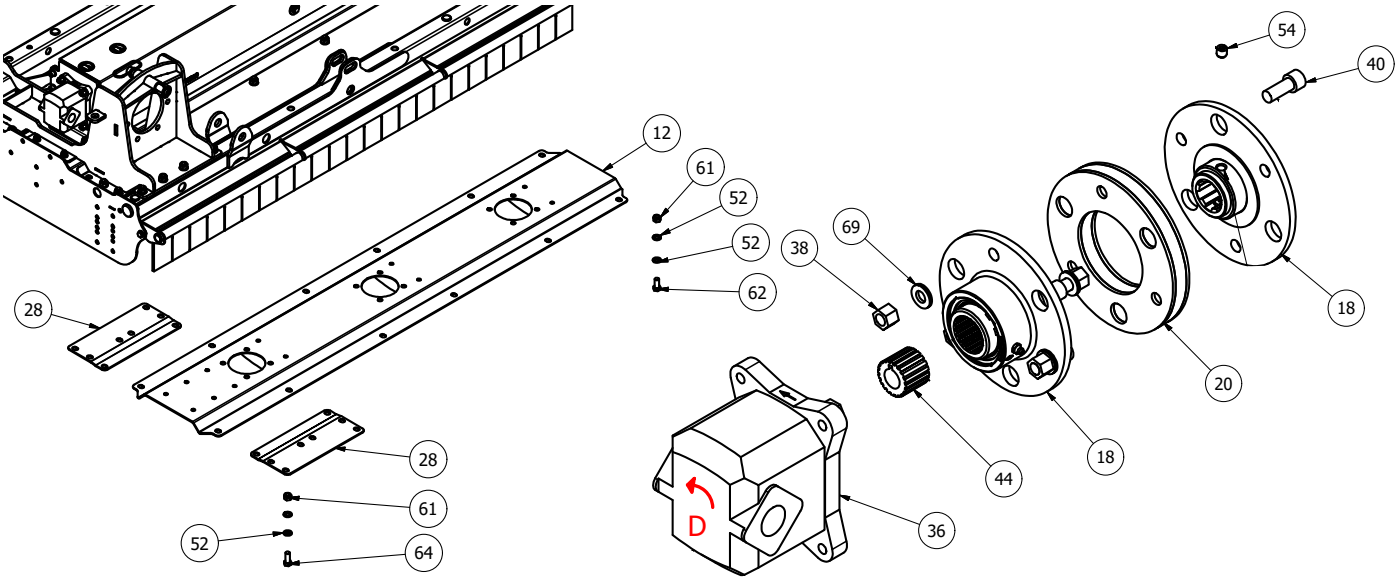
Item	Part No.	Description	Qty
1*	**755-DCBLDHXFS-L**	**755 BLADE (Anti_Clk)**	**1**
2*	**755-DCBLDHXFS-R**	**755 BLADE (Clk)**	**1**
3	MJ35-150-ROL01	MJ35-150 BODY ROLLER	1
4	MJ36-140-HDM01	VERGE MOWER MOTOR MOUNT	1
5	MJ36-140-SW01	STEEL WHEEL	1
6	MJ36-140-SW10-H	STEEL WHEEL AXLE LH	1
7	MJ36-140-BD01-H	140 BODY (LH)	1
8	MJ36-140-GD01	140 FRONT GAURD	1
9	MJ36-140-HM01-H	HUB MOUNT (LH)	1
10	MJ36-140-RPV01	ROLLER PIVOT ARM (RH)	1
11	MJ36-140-RPV01-H	ROLLER PIVOT ARM (LH)	1
12	MJ36-140-UST01	140 UNDERSIDE TROUGH	1
13	0940B031001	304mm DRIVE	1
14*	**LF205T**	**6 SPLINE 'T' BOX (205.873) 1.47**	**2**
15	49410	HITCH PIN DIA 25x195mm	1
16	5582	DIA 38.3-42mm INSERT	4
17	60CSD	60mm STAR DRIVE	2
18	WS699306	WS OVERRUN CLUTCH EFK65/14R	1
19	MJ36-140-GD11	REAR RUBBER FLAP	1
20	MJRC-137	DIA 90 RUBBER COUPLING	1
21	MJRC-23-40	23mm COUPLING 40 SHORE	2
22	MJ36-140-GD06	140 FRONT CLAMP	1
23	MJ36-140-GD07	140 FRONT RUBBER SKRT	1
24	MJ36-140-GD12	140 REAR CLAMP	1
25	MJ39-143-HDM31	HYD MOUNT FACE PLATE	1
26	8400RM-CV25	GUARD BASE MOUNT	1
27	MJ36-140-BD11	UNDERSIDE CLAMP PLATE	2
28	MJ36-140-CRV10	140 GBOX COVER	1
29	MJ36-140-DF01	REAR DEFLECTOR (RH)	1
30	MJ36-140-DF01-H	REAR DEFLECTOR (LH)	1
31	MJ36-140-GD10	140 REAR GAURD	1
32	MJ36-140-HDM05	HYD MOUNT DECK SUPPORT	1
33	MJ36-140-HDM06	BASE PLATE	1
34	8SM9-3	BLADE BACK SPACER	2
35	RM-RSN3	SHAFT COLLAR DIA 35	2
36	030W0MD80E564XD0R	HYD MOTOR 80cc CLOCKWISE	1
37	111044	DIA 26-30mm INSERT	8
38	1/2hex10.9	1/2HEX10.9	28
39	12x112FSKS	1/2"x1 1/2" FINE SOCKET HEAD 12.9	16
40	12x114SKS	1/2"x1 1/4" FINE SOCKET HEAD 12.9	6
41	12x134FSKS	1/2"x1 3/4" FINE SOCKET HEAD 12.9	2
42	12x2FSKS	1/2"x2" FINE SOCKET HEAD 12.9	4
43	190592	PTO HAT	1
44	4410017	SPLINE GEAR 20T 1:8	1
45	5/8F	5/8" FINE NYLOC NUT	8
46	58x2FBZP	5/8"x2" FINE BOLT	8
47	AN099/10	LINCH PIN DIA 9.5	1
48	CP176-181MG1	45mm INSERT	3
49	CW39174	DISC SPRING 39x17x4 (YELLOW)	4
50	FWM12	M12 FLAT WASHER	53
51	FWM12XL	M12 FLAT WASHER (EX-LARGE)	4
52	FWM16	M16 FLAT WASHER	63
53	FWM8	M8 FLAT WASHER	4
54	M10X10GSO	M10x10 GRUB SCREW OVAL POINT	2
55	M12	M12 NYLOC NUT	39
56	M12x20SZP	M12x20 SET BOLT	4
57	M12x25SKS	M12x25 SOCKET HEAD SCREW	8
58	M12x30SZP	M12x30 SET BOLT	2
59	M12x35BZP	M12x35 BOLT	21
60	M12x40BZP	M12x40 BOLT	8
61	M16	M16 NYLOC NUT	33
62	M16x35SZP	M16x35 SET BOLT	8
63	M16x40SKBH	M16x40 SOCKET BUTTON HEAD 10.9	7
64	M16x40SZP	M16x40 SET BOLT	14
65	M16x50BZP	M16x50 BOLT	2
66	M16x60BZP	M16x60 BOLT	2
67	M8x12SKS	M8x12mm SOCKET HEAD 12.9	2
68	M8x16SZP	M8x16 SET BOLT	4
69	NL12SP	M12 SP NORDLOCK	32

*** - further breakdown provided**

MJ36-210-LH (MJ36-210-BDGA-H)







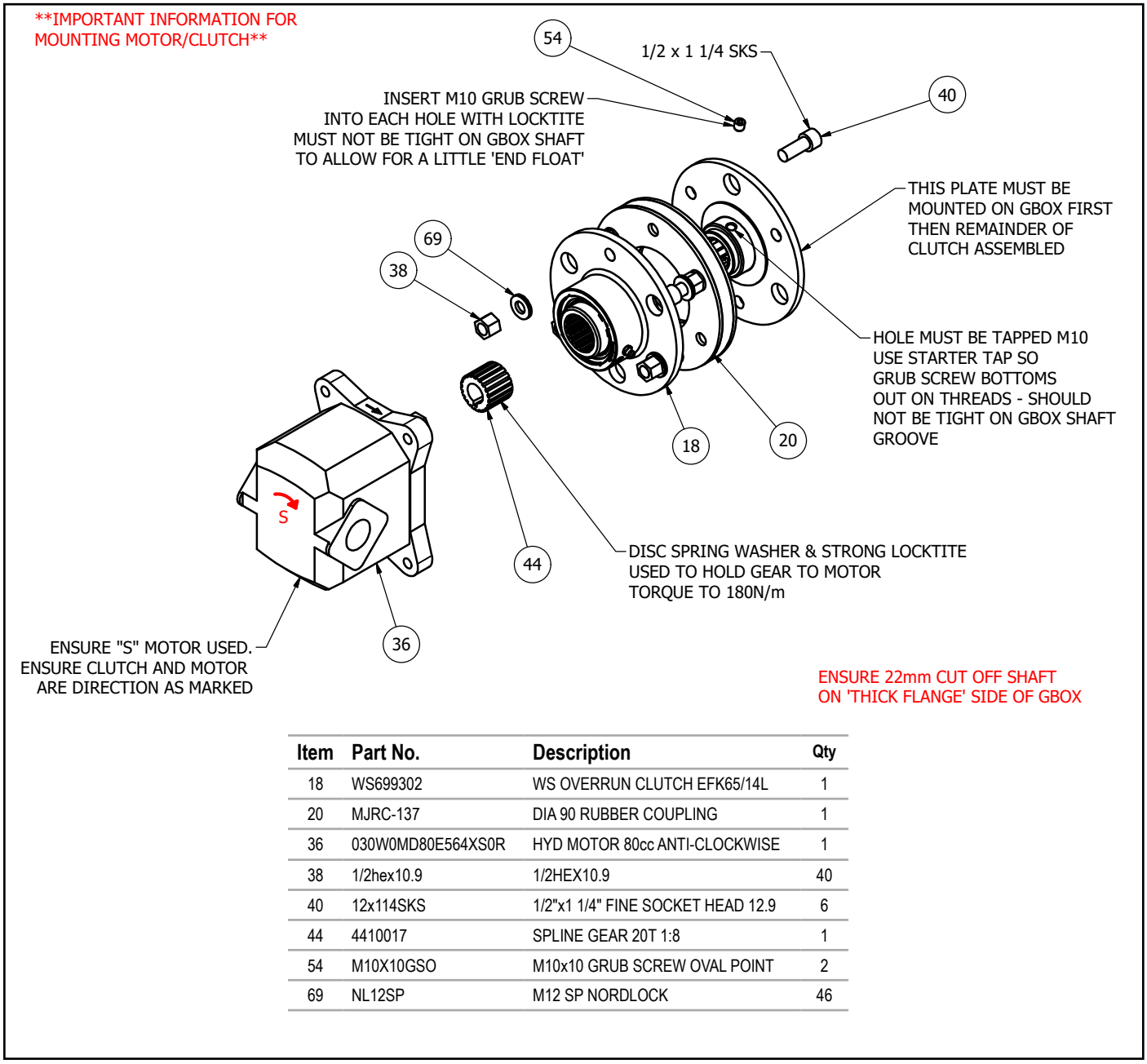
MJ36-210-LH (MJ36-210-BDGA-H) - Parts List

Item	Part No.	Description	Qty
1*	**755-DCBLDHXFS-L**	**755 BLADE (Anti_Clk)**	**2**
2*	**755-DCBLDHXFS-R**	**755 BLADE (Clk)**	**1**
3	MJ36-140-HDM01	VERGE MOWER MOTOR MOUNT	1
4	MJ36-140-SW01	STEEL WHEEL	1
5	MJ36-140-SW10-H	STEEL WHEEL AXLE LH	1
6	MJ36-210-ROL	210 VERGE MOWER ROLLER	1
7	MJ36-140-HM01-H	HUB MOUNT (LH)	1
8	MJ36-140-RPV01	ROLLER PIVOT ARM (RH)	1
9	MJ36-140-RPV01-H	ROLLER PIVOT ARM (LH)	1
10	MJ36-210-BD01-H	210 BODY LH	1
11	MJ36-210-GD01	210 FRONT GAURD	1
12	MJ36-210-UST01	210 UNDERSIDE TROUGH	1
13	0940B031001	304mm DRIVE	2
14*	**LF205T**	**6 SPLINE 'T' BOX (205.873) 1.47**	**3**
15	49410	HITCH PIN DIA 25x195mm	1
16	5582	DIA 38.3-42mm INSERT	4
17	60CSD	60mm STAR DRIVE	4
18	WS699306	WS OVERRUN CLUTCH EFK65/14R	1
19	MJ36-210-GD12	REAR RUBBER FLAP	1
20	MJRC-137	DIA 90 RUBBER COUPLING	1
21	MJRC-23-40	23mm COUPLING 40 SHORE	4
22	MJ36-140-HDM06	BASE PLATE	2
23	MJ36-210-GD05	FRONT RUBBER SKIRT	1
24	MJ36-210-GD06	210 FRONT CLAMP	1
25	MJ36-210-GD11	210 REAR RUBBER CLAMP	1
26	MJ39-143-HDM31	HYD MOUNT FACE PLATE	1
27	8400RM-CV25	GUARD BASE MOUNT	2
28	MJ36-140-BD11	UNDERSIDE CLAMP PLATE	2
29	MJ36-140-DF01	REAR DEFLECTOR (RH)	1
30	MJ36-140-DF01-H	REAR DEFLECTOR (LH)	1
31	MJ36-140-HDM05	HYD MOUNT DECK SUPPORT	1
32	MJ36-210-CRV10	210 GBOX COVER	1
33	MJ36-210-GD10	210 REAR GUARD	1
34	8SM9-3	BLADE BACK SPACER	2
35	RM-RSN3	SHAFT COLLAR DIA 35	2
36	030W0MD80E564XD0R	HYD MOTOR 80cc CLOCKWISE	1
37	111044	DIA 26-30mm INSERT	10
38	1/2hex10.9	1/2HEX10.9	40
39	12x112FSKS	1/2"x1 1/2" FINE SOCKET HEAD 12.9	28
40	12x114SKS	1/2"x1 1/4" FINE SOCKET HEAD 12.9	6
41	12x134FSKS	1/2"x1 3/4" FINE SOCKET HEAD 12.9	2
42	12x2FSKS	1/2"x2" FINE SOCKET HEAD 12.9	4
43	190592	PTO HAT	1
44	4410017	SPLINE GEAR 20T 1:8	1
45	5/8F	5/8" FINE NYLOC NUT	12
46	58x2FBZP	5/8"x2" FINE BOLT	12
47	AN099/10	LINCH PIN DIA 9.5	1
48	CP176-181MG1	45mm INSERT	4
49	CW39174	DISC SPRING 39x17x4 (YELLOW)	4
50	FWM12	M12 FLAT WASHER	59
51	FWM12XL	M12 FLAT WASHER (EX-LARGE)	6
52	FWM16	M16 FLAT WASHER	67
53	FWM8	M8 FLAT WASHER	4
54	M10X10GSO	M10x10 GRUB SCREW OVAL POINT	2
55	M12	M12 NYLOC NUT	45
56	M12x20SZP	M12x20 SET BOLT	6
57	M12x25SKS	M12x25 SOCKET HEAD SCREW	10
58	M12x30SZP	M12x30 SET BOLT	4
59	M12x35BZP	M12x35 BOLT	23
60	M12x40BZP	M12x40 BOLT	8
61	M16	M16 NYLOC NUT	33
62	M16x35SZP	M16x35 SET BOLT	8
63	M16x40SKBH	M16x40 SOCKET BUTTON HEAD 10.9	7
64	M16x40SZP	M16x40 SET BOLT	14
65	M16x50BZP	M16x50 BOLT	2
66	M16x60BZP	M16x60 BOLT	2
67	M8x12SKS	M8x12mm SOCKET HEAD 12.9	2
68	M8x16SZP	M8x16 SET BOLT	4
69	NL12SP	M12 SP NORDLOCK	46

*** - further breakdown provided**

Hydraulic motor connection for RH models

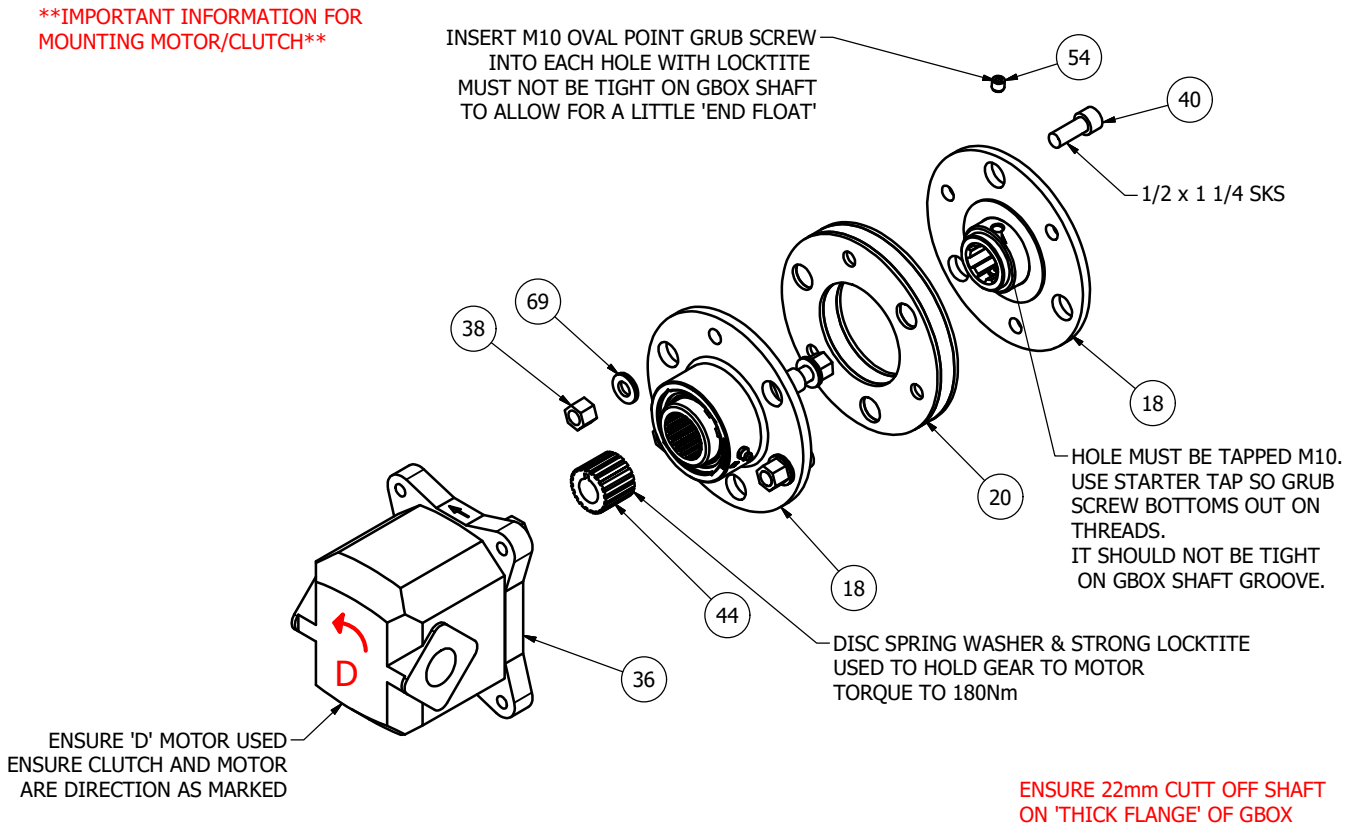
MJ36-140-RH and MJ36-210-RH



Item	Part No.	Description	Qty
18	WS699302	WS OVERRUN CLUTCH EFK65/14L	1
20	MJRC-137	DIA 90 RUBBER COUPLING	1
36	030W0MD80E564XS0R	HYD MOTOR 80cc ANTI-CLOCKWISE	1
38	1/2hex10.9	1/2HEX10.9	40
40	12x114SKS	1/2"x1 1/4" FINE SOCKET HEAD 12.9	6
44	4410017	SPLINE GEAR 20T 1:8	1
54	M10X10GSO	M10x10 GRUB SCREW OVAL POINT	2
69	NL12SP	M12 SP NORDLOCK	46

Hydraulic motor connection for LH models

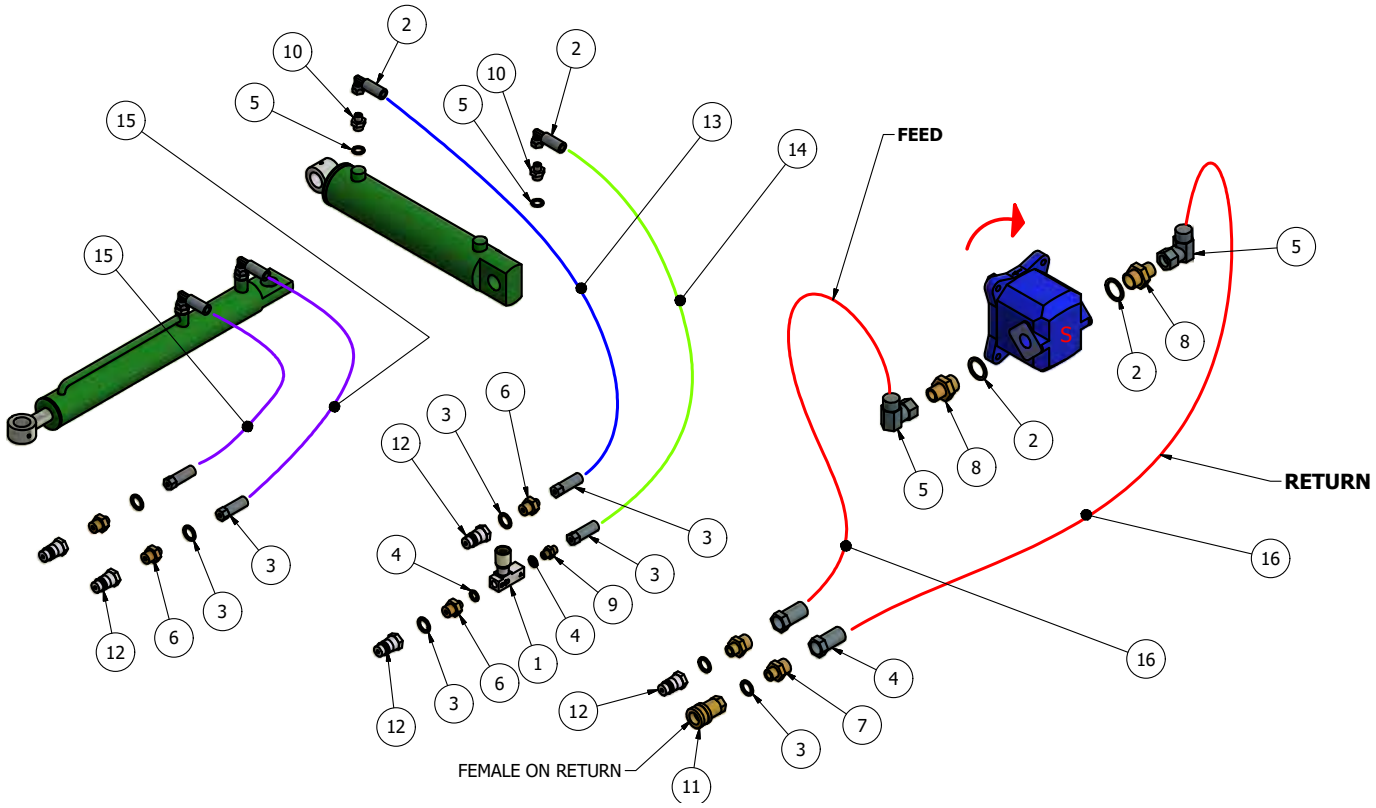
MJ36-140-LH and MJ36-210-LH



Item	Part No.	Description	Qty
18	WS699306	WS OVERRUN CLUTCH EFK65/14R	1
20	MJRC-137	DIA 90 RUBBER COUPLING	1
36	030W0MD80E564XD0R	HYD MOTOR 80cc CLOCKWISE	1
38	1/2hex10.9	1/2HEX10.9	40
40	12x114SKS	1/2"x1 1/4" FINE SOCKET HEAD 12.9	6
44	4410017	SPLINE GEAR 20T 1:8	1
54	M10X10GSO	M10x10 GRUB SCREW OVAL POINT	2
69	NL12SP	M12 SP NORDLOCK	46

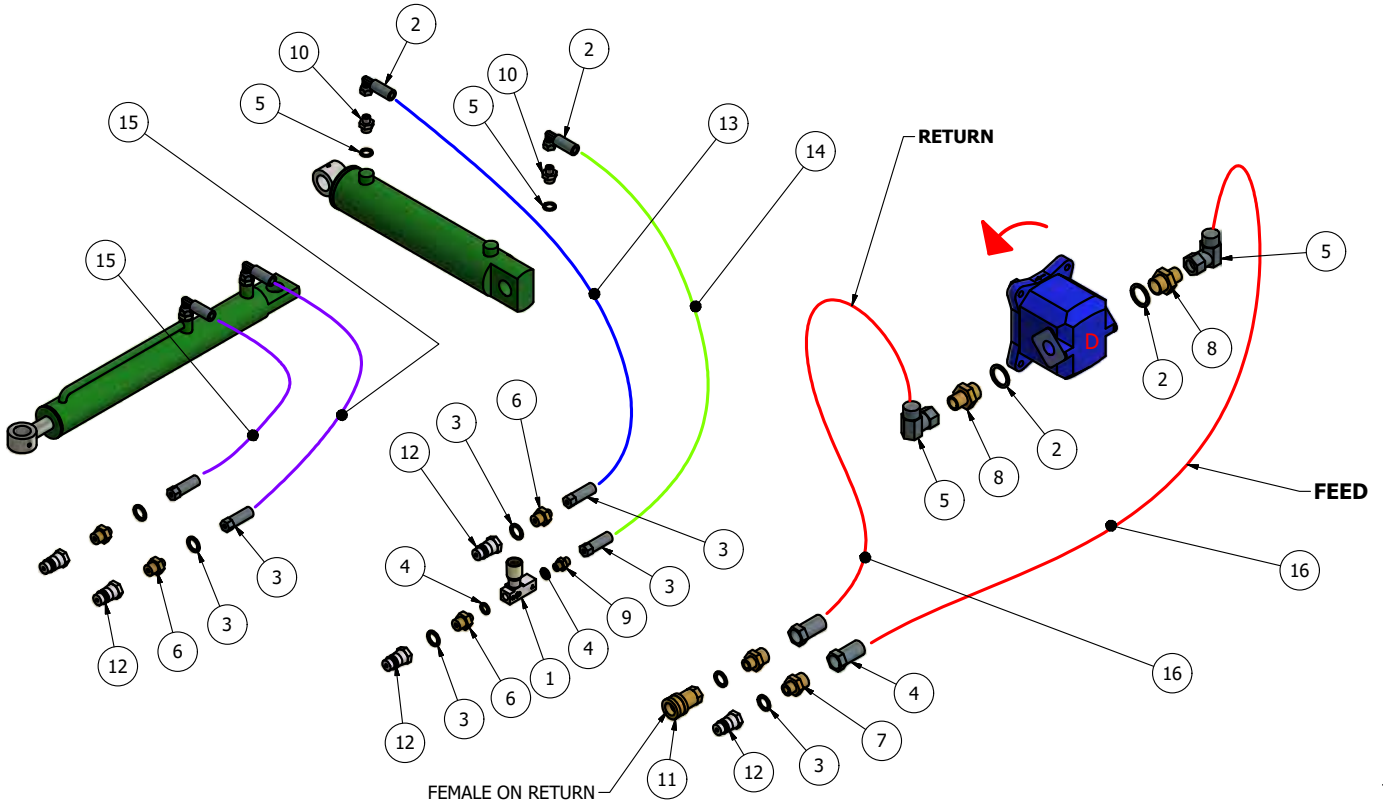
MJ36 Hydraulics

MJ36-HYD01-RH



Item	Part No.	Description	Qty
1	1251-5-14	1/4" RESTRICTOR (BLACK) 204010V	1
2	EDOW1	1" DOWTY WASHER	2
3	EDOW12	1/2" DOWTY WASHER	6
4	EDOW14	1/4" DOWTY WASHER	2
5	EDOW38	3/8" DOWTY WASHER	4
6	EMM12-14	1/2"-1/4" M/M CONNECTOR	4
7	EMM1234	1/2-3/4" M/M CONNECTOR	2
8	EMM134	1" 3/4" M/M CONNECTOR	2
9	EMM14	1/4" M/M CONNECTOR	1
10	EMM3814	3/8-1/4" M/M CONNECTOR	4
11	QRF12	1/2" QUICK RELEASE FEMALE	1
12	QRM12	1/2" QUICK RELEASE MALE	5
13	VM-HOSE-A	1/4"x 4700mm STR TO BLOCK 90	1
14	VM-HOSE-B	1/4" 4400mm STR TO BLOCK 90	1
15	VM-HOSE-C	1/4" 3200mm STR TO BLOCK 90	2
16	VM-HOSE-D	3/4" 4800mm STR TO BLOCK 90	2

MJ36-HYD01-LH

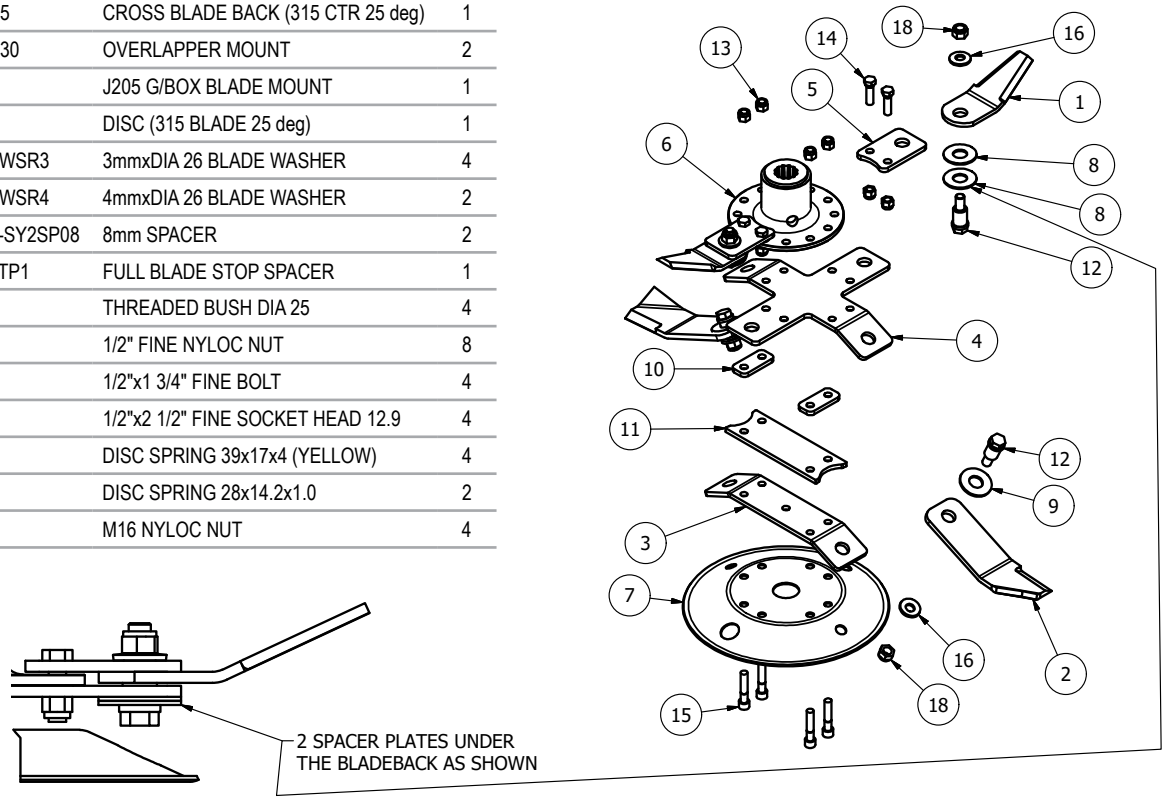


Item	Part No.	Description	Qty
1	1251-5-14	1/4" RESTRICTOR (BLACK) 204010V	1
2	EDOW1	1" DOWTY WASHER	2
3	EDOW12	1/2" DOWTY WASHER	6
4	EDOW14	1/4" DOWTY WASHER	2
5	EDOW38	3/8" DOWTY WASHER	4
6	EMM12-14	1/2"-1/4" M/M CONNECTOR	4
7	EMM1234	1/2-3/4" M/M CONNECTOR	2
8	EMM134	1" 3/4" M/M CONNECTOR	2
9	EMM14	1/4" M/M CONNECTOR	1
10	EMM3814	3/8-1/4" M/M CONNECTOR	4
11	QRF12	1/2" QUICK RELEASE FEMALE	1
12	QRM12	1/2" QUICK RELEASE MALE	5
13	VM-HOSE-A	1/4"x 4700mm STR TO BLOCK 90	1
14	VM-HOSE-B	1/4" 4400mm STR TO BLOCK 90	1
15	VM-HOSE-C	1/4" 3200mm STR TO BLOCK 90	2
16	VM-HOSE-D	3/4" 4800mm STR TO BLOCK 90	2

755-DCBLDHXFS-L Blade assembly

Item	Part No.	Description	Qty
1	BLD-25025-OVL	OVERLAP FOR BLADE 250xDia 25	2
2	BLD-27020-10-AC	BLADE 270xDia 20 (Anti-Clk)	2
3	BLDB-294-25	BLADE BACK (294 CTR 25 deg)	1
4	BLDBX-315-25	CROSS BLADE BACK (315 CTR 25 deg)	1
5	BLDBXT-315-30	OVERLAPPER MOUNT	2
6	DF-BMP	J205 G/BOX BLADE MOUNT	1
7	DISC-315-25	DISC (315 BLADE 25 deg)	1
8	BLD-25025H-WSR3	3mmxDIA 26 BLADE WASHER	4
9	BLD-25025H-WSR4	4mmxDIA 26 BLADE WASHER	2
10	BLDB-315-25-SY2SP08	8mm SPACER	2
11	BLDB-CYC-STP1	FULL BLADE STOP SPACER	1
12	BS2510-01	THREADED BUSH DIA 25	4
13	1/2F	1/2" FINE NYLOC NUT	8
14	12x134FBZP	1/2"x1 3/4" FINE BOLT	4
15	12x212FSKS	1/2"x2 1/2" FINE SOCKET HEAD 12.9	4
16	CW39174	DISC SPRING 39x17x4 (YELLOW)	4
17	D281421	DISC SPRING 28x14.2x1.0	2
18	M16	M16 NYLOC NUT	4

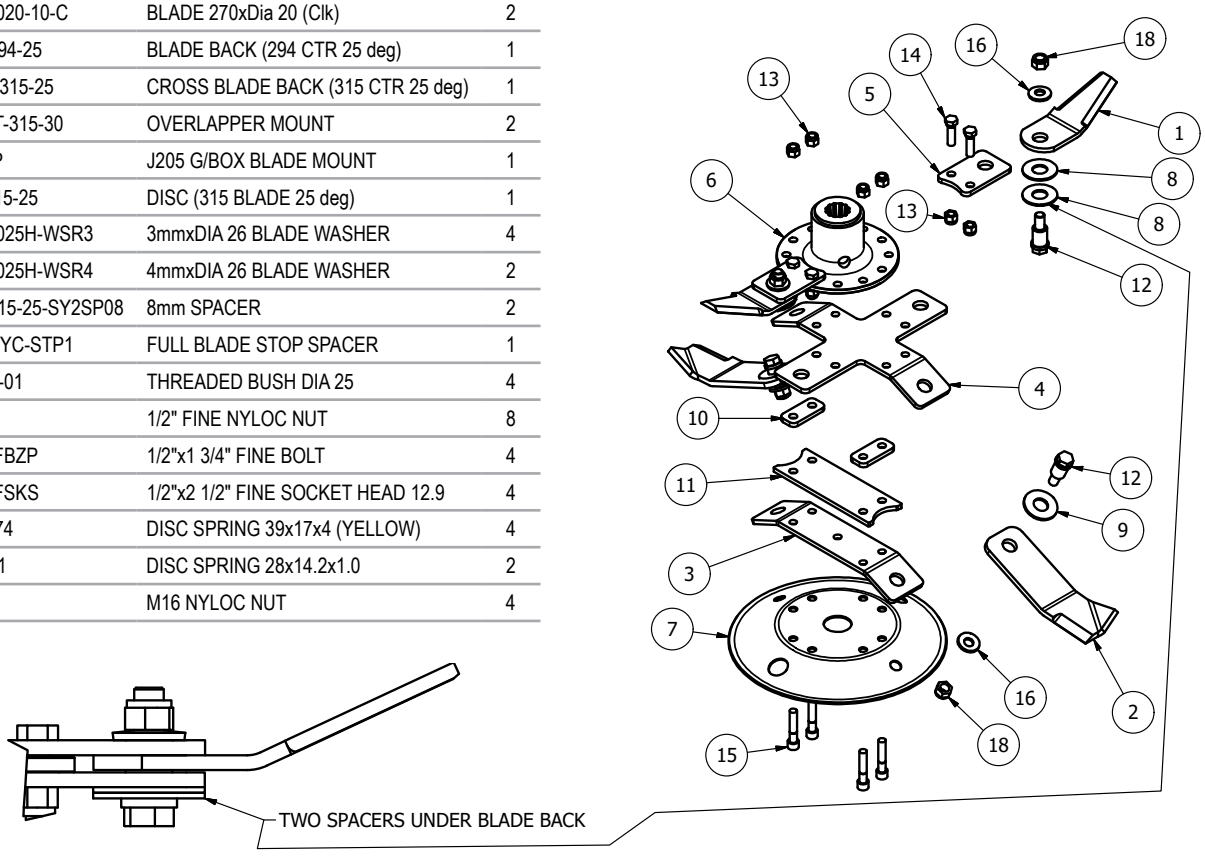
1 off	*MJ36-140*
1 off	*MJ36-210-RH*
2 off	*MJ36-210-LH*



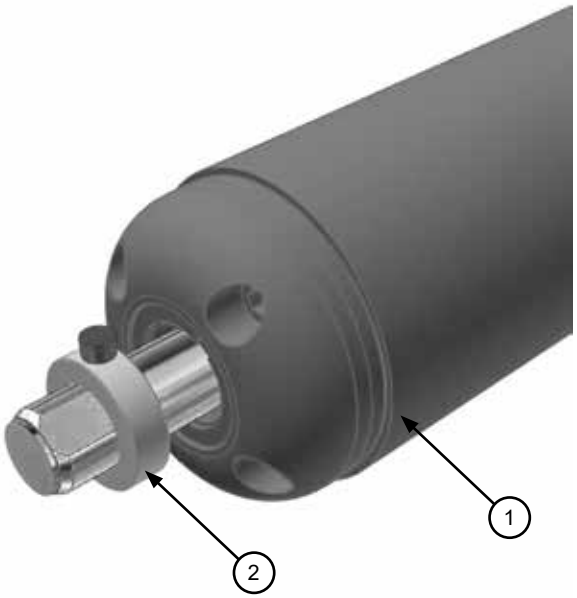
755-DCBLDHXFS-R Blade assembly

Item	Part No.	Description	Qty
1	BLD-25025-OVL	OVERLAP FOR BLADE 250xDia 25	2
2	BLD-27020-10-C	BLADE 270xDia 20 (Clk)	2
3	BLDB-294-25	BLADE BACK (294 CTR 25 deg)	1
4	BLDBX-315-25	CROSS BLADE BACK (315 CTR 25 deg)	1
5	BLDBXT-315-30	OVERLAPPER MOUNT	2
6	DF-BMP	J205 G/BOX BLADE MOUNT	1
7	DISC-315-25	DISC (315 BLADE 25 deg)	1
8	BLD-25025H-WSR3	3mmxDIA 26 BLADE WASHER	4
9	BLD-25025H-WSR4	4mmxDIA 26 BLADE WASHER	2
10	BLDB-315-25-SY2SP08	8mm SPACER	2
11	BLDB-CYC-STP1	FULL BLADE STOP SPACER	1
12	BS2510-01	THREADED BUSH DIA 25	4
13	1/2F	1/2" FINE NYLOC NUT	8
14	12x134FBZP	1/2"x1 3/4" FINE BOLT	4
15	12x212FSKS	1/2"x2 1/2" FINE SOCKET HEAD 12.9	4
16	CW39174	DISC SPRING 39x17x4 (YELLOW)	4
17	D281421	DISC SPRING 28x14.2x1.0	2
18	M16	M16 NYLOC NUT	4

1 off	*MJ36-140*
2 off	*MJ36-210-RH*
1 off	*MJ36-210-LH*



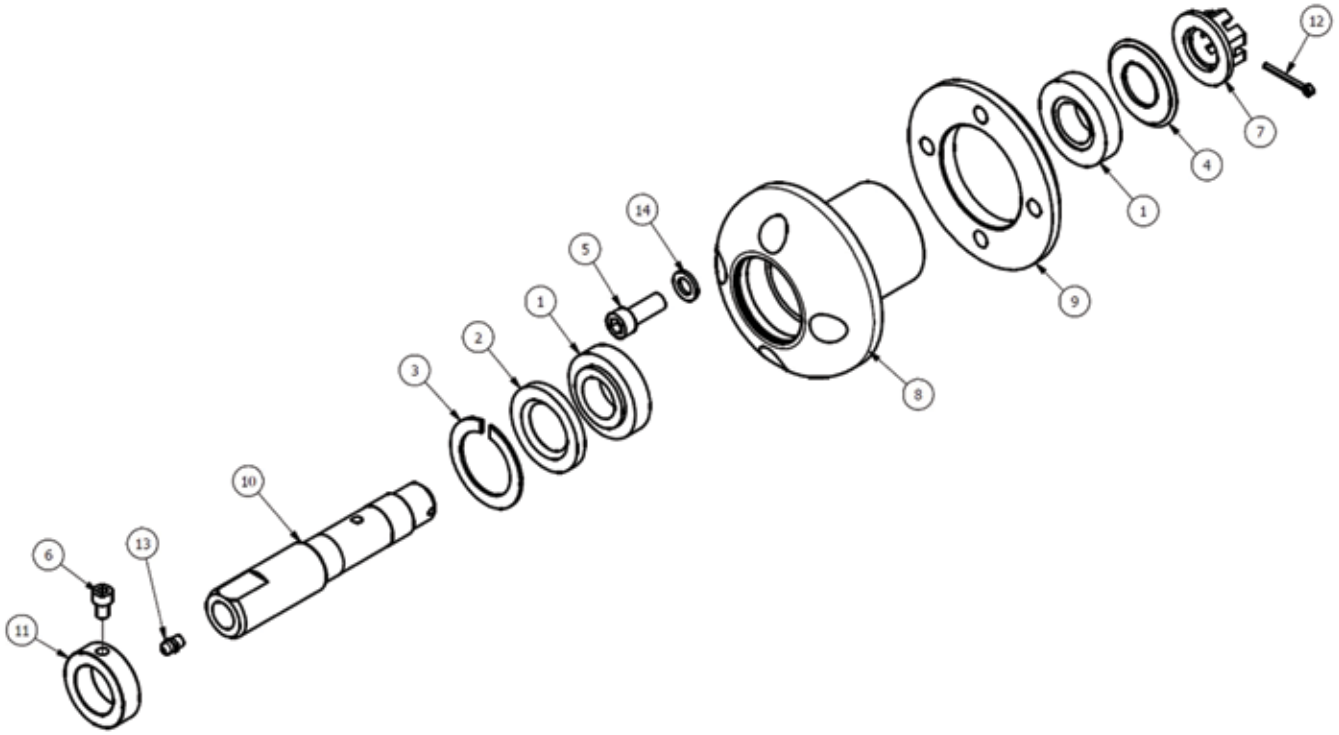
MJ36 Rollers



Item	Part No.	Description	Qty
1	MJ35-150-ROL01	Roller	1 per MJ36-140
1	MJ36-210-ROL	Roller	1 per MJ36-210
2	RM-RSN3	Collar 35mm c/w bolt	2 per roller

Roller End - Parts List

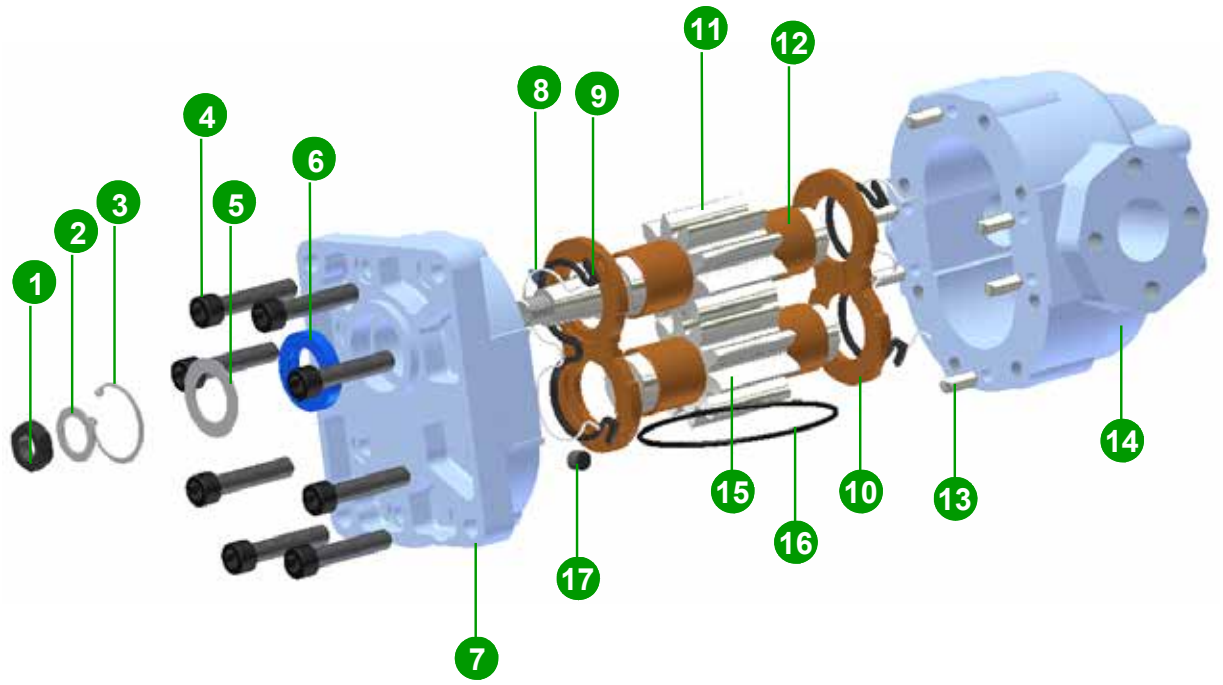
RM-04RBE



Item	Part No.	Description	Qty
1	30206	TAPER BRG 62x30x17.25	2
2	35627	SEAL 35x62x7	1
3	55112	DIA 62 INT CIRCLIP	1
4	30x62	WIPE SEAL (915PG30)	1
5	M12x30SKS	M12x30 SOCKET HEAD SCREW	4
6	M8x12SKS	M8x12mm SOCKET HEAD 12.9	1
7	RM-04NUT	NUT-WASHER WELDMENT	1
8	RM-04REH	ROLLER END HOUSING	1
9	RM-04REP	ROLLER END PLATE	1
10	RM-04RES	ROLLER END SHAFT	1
11	RM-RSN3	SHAFT COLLAR DIA 35	1
12	S1500	SPLIT PIN 1/8"x1 1/2"	1
13	S851	GREASE NIPPLE M8x1.25 STR	1
14	SWM12	M12 SPRING WASHER	4

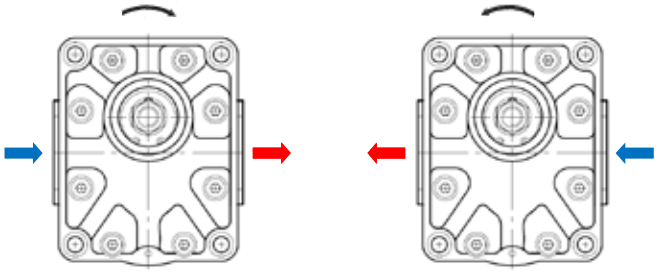
030W0MD80E564XD0R hydraulic motor
030W0MD80E564XS0R hydraulic motor

030W0MD80E564XD0R Rotation - Right (clockwise) used on LH machines
030W0MD80E564XS0R Rotation - Left (anti-clockwise) used on RH machines



Item	Part No.	Description	Qty
1		Hexagonal nut	1
2		Safety ring	1
3		Snap ring	1
4		Bolt	8
5		Rotary shaft seal ring	1
6*		**Rotary shaft seal**	**1**
7		Front flange	1
8*		**B-K seals**	**2**
9*		**Compensation seal**	**2**
10*		**Thrust plates**	**2**
11		Drive gear	1
12		Bushing	4
13		Pin	6
14		Housing	1
15		Idle gear	1
16*		**Under cover seal**	**1**
17		Grub screw 1/8" G	1

Rotation is indicated by an arrow on the body of the pump.

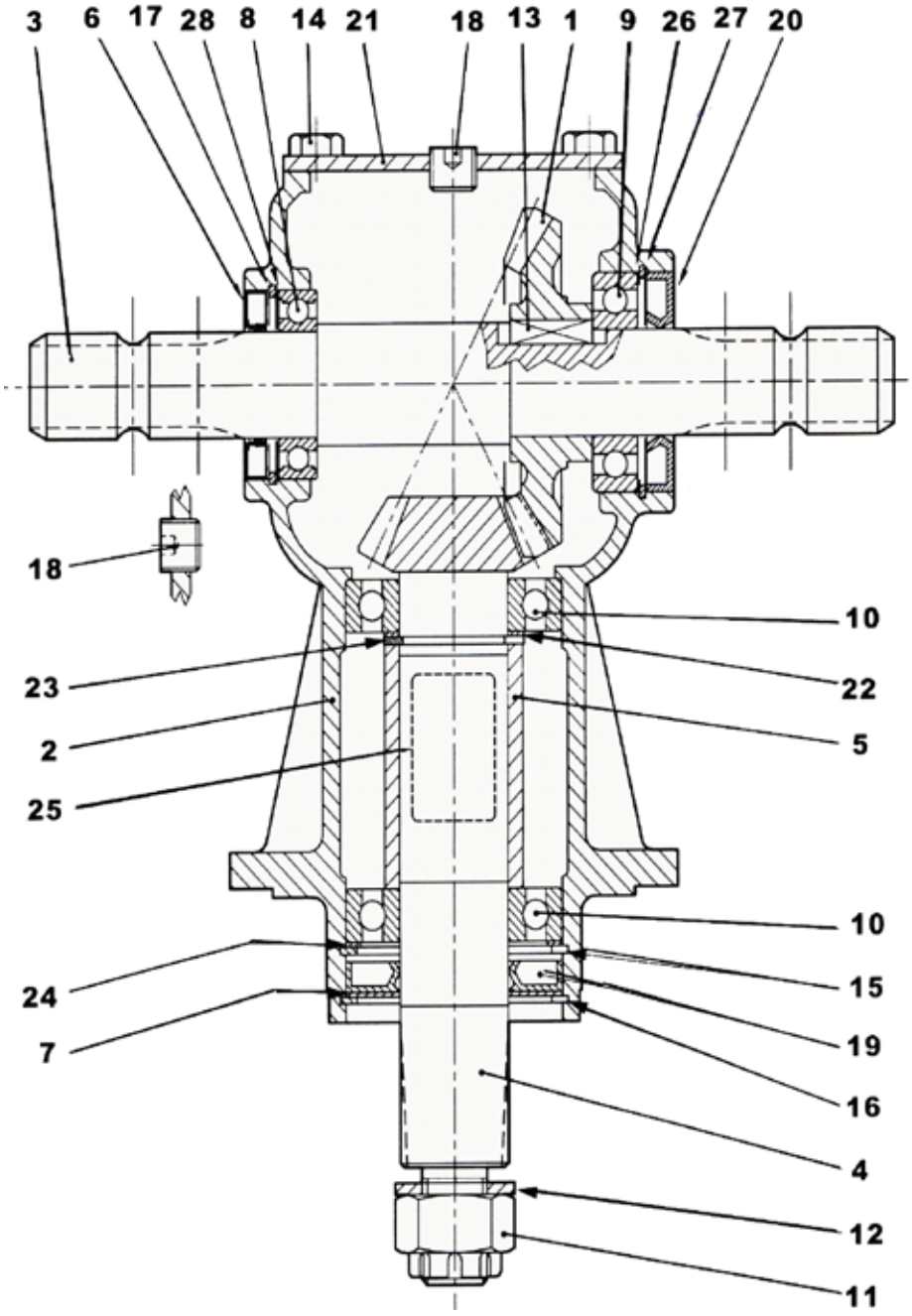


Clockwise rotation (Right D) Used on LH machines	Anti-Clockwise rotation (Left S) Used on RH machines

*-items included in a seal kit
Compelete seal kit number:
SK033W0MD80E564XD0R

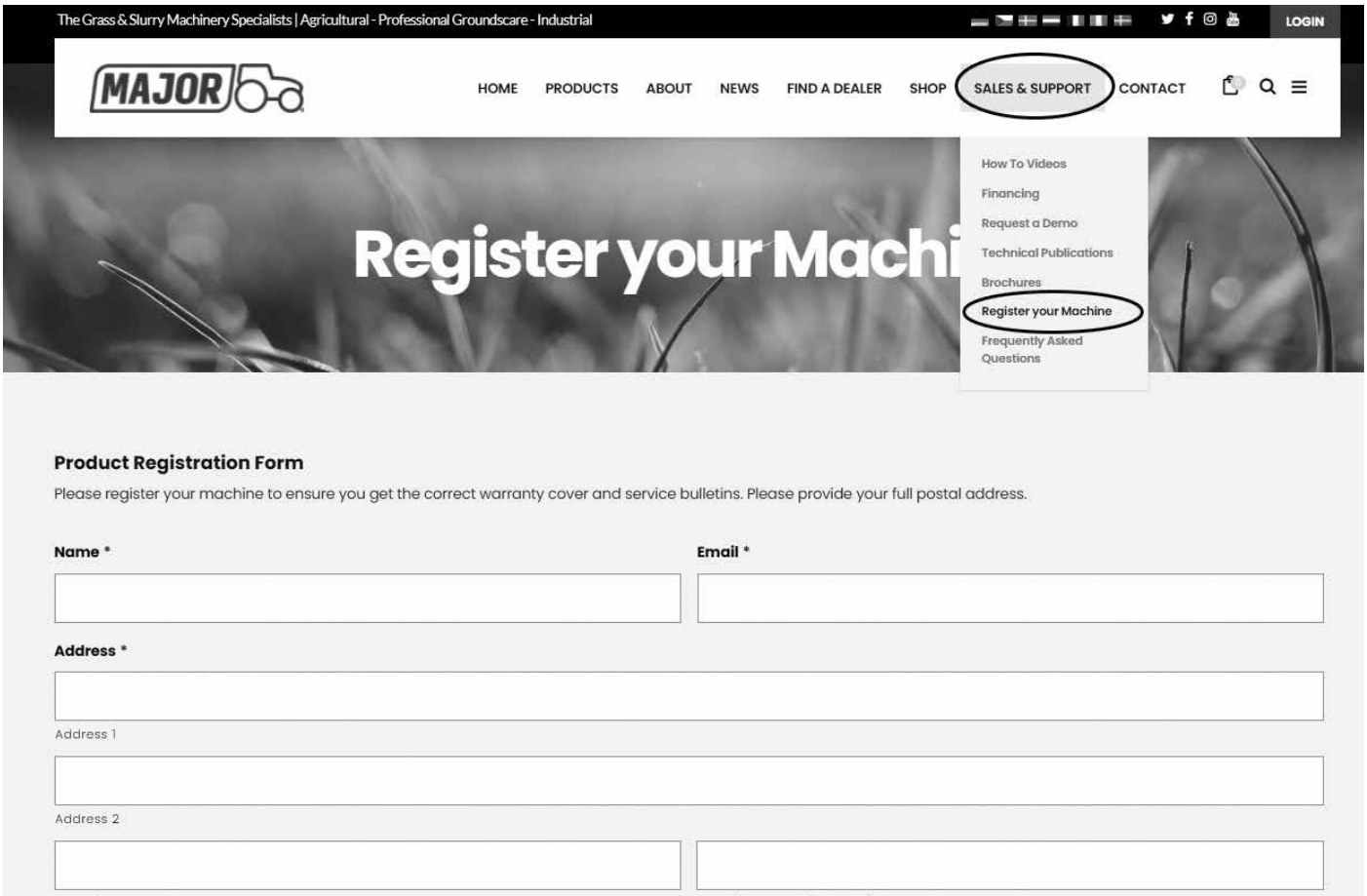
LF205T (205.873) (1.47)
LF205T-S (205.873) (1.47 SHORT)

MJ60, MJ61, MJ62
Shortened shaft
Item 3



Item	Part No		Description	Qty	Euro
1	LF135/17	0.131.5000.00	Gear Z22 teeth	1	
2	0.205.0303.00	0.205.0303.00	Casing (LF135/12)	1	
3	**0.135.2002.00**	**0.135.2002.00**	**Shaft (LF135/25)**	**1**	
3			**Shortened shaft for LF205T-S**	**1**	
4	LF135/11	0.135.6201.00	Pinion Shaft	1	
5	LF135/10	0.135.7105.00	Spacer	1	
6	8.7.3.01259	8.7.3.01259	Double Lip Seal (LF135/14)	1	
7	1.135.7100.00	1.135.7100.00	Protective Washer (LF135/4)	1	
8	8.0.1.00000	8.0.1.00000	Bearing 6007 (35x62x14)	1	
9	8.0.1.00870	8.0.1.00870	Bearing 6207 (LF135/15)	1	
10	8.0.1.00871	8.0.1.00871	Bearing 6208 (LF135/9)	2	
11	8.2.2.00515	8.2.2.00515	Castle Nut (LF135/1)	1	
12	8.3.2.00409	8.3.2.00409	Bolt Washer (LF135/2)	1	
13	8.4.1.00993	8.4.1.00993	Parallel Key 10x8x30 (LF135/19)	1	
14	8.1.1.00054	8.1.1.00054	Bolts M10x20	4	
15	8.5.2.00030	8.5.2.00030	Snap Ring (LF135/6)	1	
16	8.5.2.00955	8.5.2.00955	Snap Ring (LF135/3)	1	
17	85200648	8.5.2.00648	LF205/17 Circlip	1	
18	LF135/13	8.6.6.00201	Plug	1	
19	LF135/5	8.7.1.00748	Double Lip Seal (40X80X12V)	1	
20	T4A/1	8.7.3.00055	Oil Seal 35x72x10	1	
21	0.205.1300.00		Cover (LF205EP)	1	
22	0.244.7500.00		Shim Kit	1	
23	LF135/7	8.5.1.00680	Snap Ring (40x37.5x2.5)	1	
24	0.267.7500.00		Shim Kit (69x79.7)	1	
25	N/A	0.205.7100.00	Name Plate	1	
26	0.248.7500.00		Shim Kit (60.3x71.7)	1	
27	LF135/27	8.5.2.00131	LF205/27 Circlip	1	
28	LF135/16	0.113.7500.00	Shim	1	

All MAJOR machines must be registered when sold, to ensure that you receive the correct warranty cover and service bulletins. To register your machine for warranty, please go to the SALES & SUPPORT section of our website www.major-equipment.com and enter your details.



Product Registration Form

Please register your machine to ensure you get the correct warranty cover and service bulletins. Please provide your full postal address.

Name *

Email *

Address *

Address 1

Address 2

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