Operator Manual & Parts List

MAJOR RANGE OF

TRAILED TOPPERS

Models: 8FTGD-HD, 9FTGD-HD and 12FTGDW-HD

MAJOR
WWW.MAJOR-EQUIPMENT.COM

Head Office
Major Equipment Intl. Ltd.
Ballyhaunis,
Co. Mayo,
Ireland.

Tel.: +353 (0) 9496 30572
Fax: +353 (0) 9496 30788
Email: info@major-equipment.com

UK Office
Major Equipment Ltd.
Major Industrial Estate,
Middleton Rd.,
Heysham,
Lancs.
LA3 3JJ

Tel.: +44 (0) 1524 850 501
Fax: +44 (0) 1524 850 502
Email: ukinfo@major-equipment.com

NETHERLANDS & GERMANY OFFICE
Major Equipment Intl. Ltd.
Postbus 29,
NL-7700 AA ,
Dedemsvaart,
Nederland.

Tel: +31 (0) 6389 19585
Email: euinfo@major-equipment.com

Web: www.major-equipment.com

Find us on FACEBOOK
MAJOR MACHINERY

View our channel
MAJOREQUIPMENT

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

Introduction

Thank you 1
Using Your Operator's Manual 1
Safety Issues 1

Product Identification

Machine Serial Numbers 1
Product Specifications 1
Register Your Product and Warranty Online 2

Safety

Machine Safety Labels 2
Operating Safely 3
Workstation 3
Regulations for use of the transmission 3
PTO Shaft Safety 3
Hazards associated with operating Grass Cutting Machinery 4
Driving Safely on Public Roads 4

Operating the Machine

Inspections before Use 6
Key to Main Parts 7
Starting Regulations 8
Machine Set Up 8
Hitching to the Tractor 8
Operating the Machine/Mowing 9
Adjusting the skids and cutting height 9
Blade Rotations 10

Maintenance

PTO Shaft Maintenance 11
Maintenance Schedule 12
Trouble Shooting 12

Spare Parts

8FTGD-HD Overview 14
8FTGD-HD Body 15
9FTGD-HD Overview 16
9FTGD-HD Body Assembly 17
8FTGD-HD and 9FTGD-HD Drawbar 18
8FTGD-HD and 9FTGD-HD Hydraulics 19
12FTGDW-HD Overview 20
12FTGDW-HD Body Assembly 21
12FTGDW-HD Wing Assembly 22
12FTGDW-HD Drawbar 23
12FTGDW-HD - Axle Hydraulics 24
12FTGDW-HD - Wing Hydraulics 24
Blades 25
PTO Shafts 26
Gearboxes 26

EEC certificate of conformity for machines

(conforming to Directive 98/37/EEC)

Company: Major Equipment Ltd.
Address: Coolnaha,
Ballyhaunis,
Co. Mayo,
Ireland.
Tel. +353949630572
Fax +353949630788

declares in sole responsibility that the product:

TRAILED TOPPER

When properly installed, maintained and used only for it's intended purpose, complies with all the essential Health & Safety requirements of:

- **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 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.

Signature : _____ Date 12/01/2012

Managing Director

Introduction

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

Using Your Operator's Manual
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.

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.

Safety Issues
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.

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.

We suggest that you record your machine details below:

Model No: _____

Serial No: _____

Date of Purchase: _____

Dealer Name: _____

Dealer Telephone: _____

Product Specifications

Model	8FTGD-HD	9TFGD-HD	12FTGDW-HD
Overall Width (hitch eye to outer side)	3.73m (12' 1")	4.14m (13' 5")	4.62m (15')
Cut Width	2.4m (8')	2.7m (9')	3.57m (12')
Transport Width	2.6m (8' 5")	2.9m (9' 5")	2.6m (8' 5")
No. of Blades	8	8	12
No. of Rotors	2	2	3
Power (HP)	35 - 80	40 - 90	40 - 90
PTO rpm	540	540	540
Blade Speed	228m/s	255m/s	228m/s
Cutting Height	12-205mm	12-205mm	12-205mm
Weight	550kg	650kg	1240kg
Tyre Pressure	2 Bar	2 Bar	2 Bar
Gearbox Oil	EP 90	EP 90	EP 90

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.

Safety

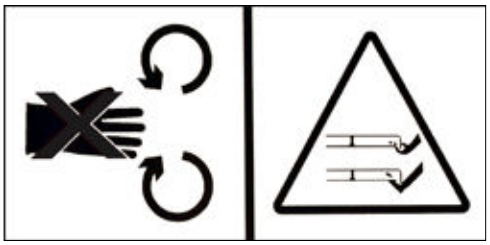
Machine Safety Labels

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.

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.

To avoid injury, read the manual



Rotating blade hazard

Fold the PTO stand down before removing the transport pin to avaid PTO shaft damage

High oil pressure hazard

Check the wheel bearings after the first 100 hours work and tighten if necessary.

Moving parts hazard

PTO entanglement hazard - keep clear of PTO drives.

Operating Safely

The MAJOR Trailed Topper is designed to operate at 540 RPM. Ensure tractor PTO output is set at 540 RPM. The MAJOR Topper must only be used for cutting grass. Moreover, it must only be used with a suitable tractor (see product specifications) and driven by an adequate drive-line by the tractor PTO. All other use is strictly prohibited.

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 DISENGAGE PTO, SWITCH OFF THE TRACTOR ENGINE AND ENGAGE THE PARKING BRAKE BEFORE MAKING ADJUSTMENT TO THE MACHINE.

NEVER PLACE LIMBS UNDER THE MACHINE WHILE ROTORS ARE TURNING. ROTORS CAN REMAIN TURNING FOR UP TO 1 MINUTE AFTER DISENGAGING PTO.

Workstation

The operator must remain seated while working the machine. When the wings need to be raised and lowered the operator must leave the tractor. Always ensure the PTO has been turned off and the parking brake applied before leaving the tractor cab. The operator must always apply the parking brake, and turn off the engine before leaving machine or carrying out maintenance.

NEVER OPERATE THE HYDRAULICS WITH THE TRACTOR SWITCHED OFF

Regulations for use of the transmission

The transmission to the gearboxes is protected throughout the machine by both PTO shafts and bolt down covers. All guarding should be kept efficient and in good condition. If the condition is poor, the guarding should be renewed before the implement is used.

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

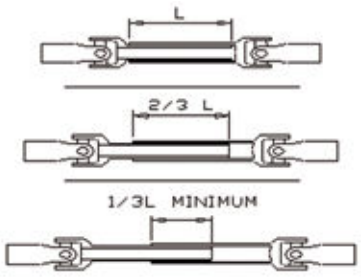
Ensure retaining chains are correctly anchored on all PTO shafts, preventing them form turning. Ensure drive line can turn easily within the shield. Keep spline grooves clean and greased so that PTO shaft can connect easily. Besides being described in this manual, the method by which the PTO shaft is connected to the tractor must be checked out with the instructions in the tractor manufacturer’s manual.

PTO Shaft Safety

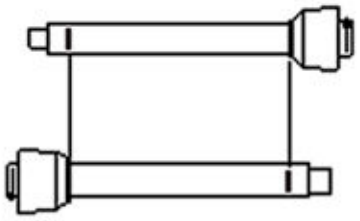
MAX PTO INPUT 540 R.P.M. Contact your nearest dealer or a specialised retail outlet if the PTO must be replaced with a longer one, since this must belong to the same power category and possess the same characteristics. An unsuitable PTO could easily break.

The tractor PTO shaft length may be altered to suit the individual tractor model. When the machine is in operation, the PTO shaft should have a minimum 1/3 engagement as shown in the diagrams. After the topper has been hitched to the tractor, it should be checked in various positions that the drive line is the correct length. If the PTO is too short and tends to slip out of place, it must be replaced with a longer one.

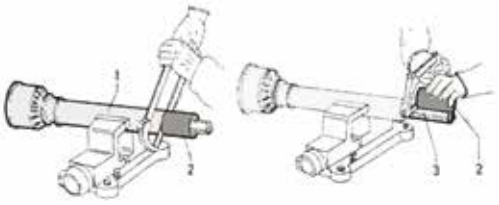
If the PTO shaft is too long, it should be shortened in the following way:



- Set the machine at a minimum distance from the tractor, then brake the tractor and switch off the engine.
- Separate the two halves of the PTO. Insert the female part into the tractor PTO and the male part into the topper PTO, checking that the position is correct by means of the fixing pins.

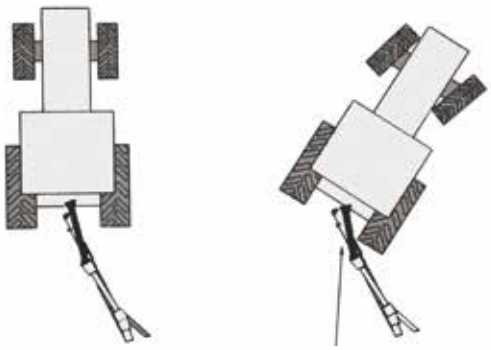


- Line up the two halves of the PTO together, keeping them parallel.
- Using a felt tip pen, match mark the place where the two halves must be shortened as shown.



- First cut shield “1” and use part “2” as a reference to cut the splined shaft.
- Proceed in the same way for the second half.
- Trim and chamfer the two cut ends of the PTO and clean off all swarf and shavings.
- Grease the two profiles and join the two halves of the PTO together.
- Mount the PTO shaft and check that its length is correct as before.

The shaft must not reach the end of the tube or project from this. Ensure the PTO does not bottom when turning



Driving Safely on Public Roads

Check the local Highway Code regulations before driving the tractor on public highways with a towed implement. 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 MUST NOT EXCEED 30Km/Hr (18 MPH)

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 Mowers 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 PTO shafts or 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.' Rotary mower 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
- When shear bolt protection device in PTO shaft shears & the rotors are still spinning but the primary PTO shaft is stationary. Operator awareness is the key to safety around freewheeling parts. Never raise the machine while the blades are still rotating.

Thrown objects Hazard
Grass cutting 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 skirt or chain guard & the sides of the machine.

Bystanders or animals in the path of thrown objects could be seriously injured. Never operate machine with bystanders in the vicinity of the machine.

Hydraulic Hazard
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:

- Slippery footing on the ground
- 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

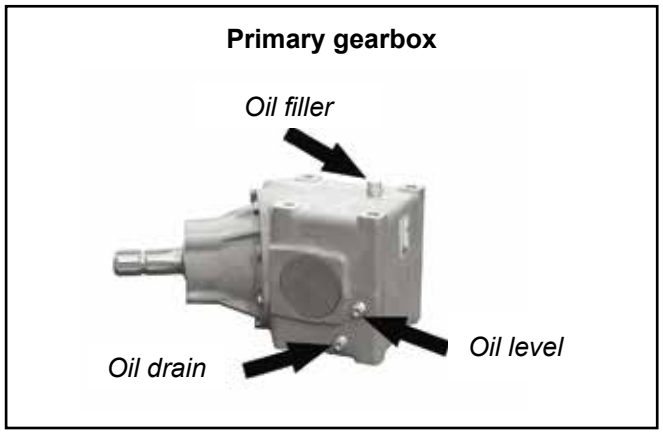
Noise Hazard
Please note that the machine is normally used outdoors and that the position of the operator is seated in the driving seat of the tractor. It is advisable to consult the prescriptions listed in tractor operator and maintenance manuals. The acoustic pressure was measured at a distance of 2.6m from the centre of the machine and at a height of 2.0m, with the implement operating in a no load condition - 90 dBA. In a loaded condition & a PTO rate of 540 rpm the obtained value was 97dBA.

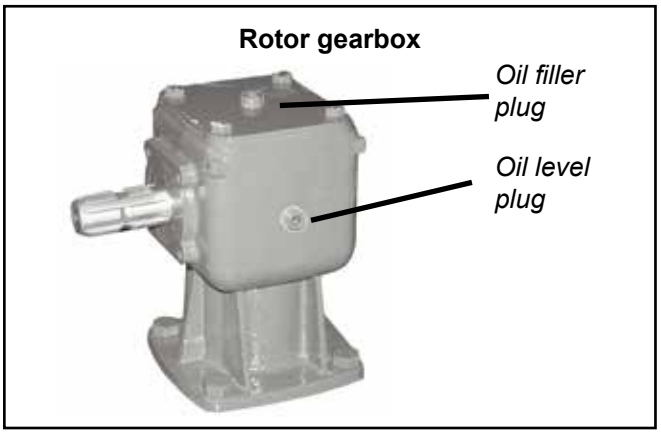
Operating the Machine

Inspections before Use

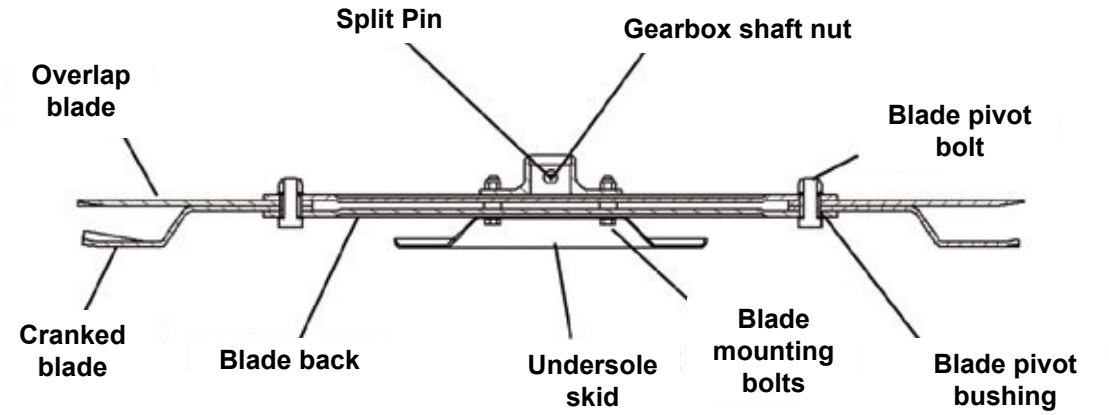
Always disengage PTO, Switch off tractor engine and engage the parking brake before making adjustments to the machine.

1. With the whole machine as level as possible, check the oil level in the Primary Gearbox, top up as required with SAE EP90 gear oil through the oil filler plug indicated. The correct level is at the oil level plug indicated. Check the oil level in the Rotor Gearboxes and top up as required with SAE EP 90 gear oil through the oil filler plugs indicated. The correct level is at the oil level plug indicated





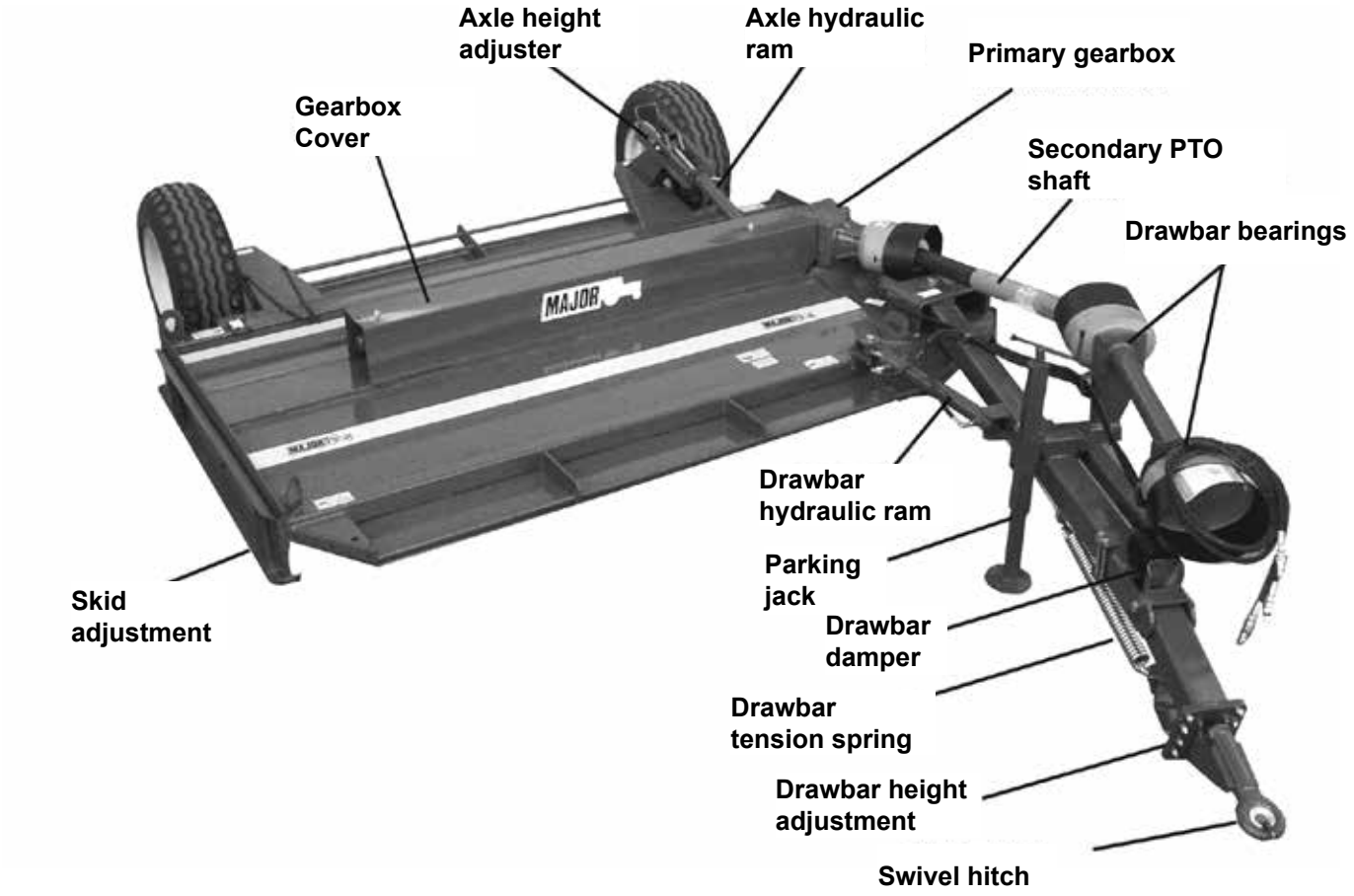
2. Grease the PTO shaft universal joints, drive shaft bearing and carrying arm pivots.
3. Re-sharpen old blades with a grindstone if necessary. Replace bent blades with new ones.
4. Check the blade mounting bolts are tight



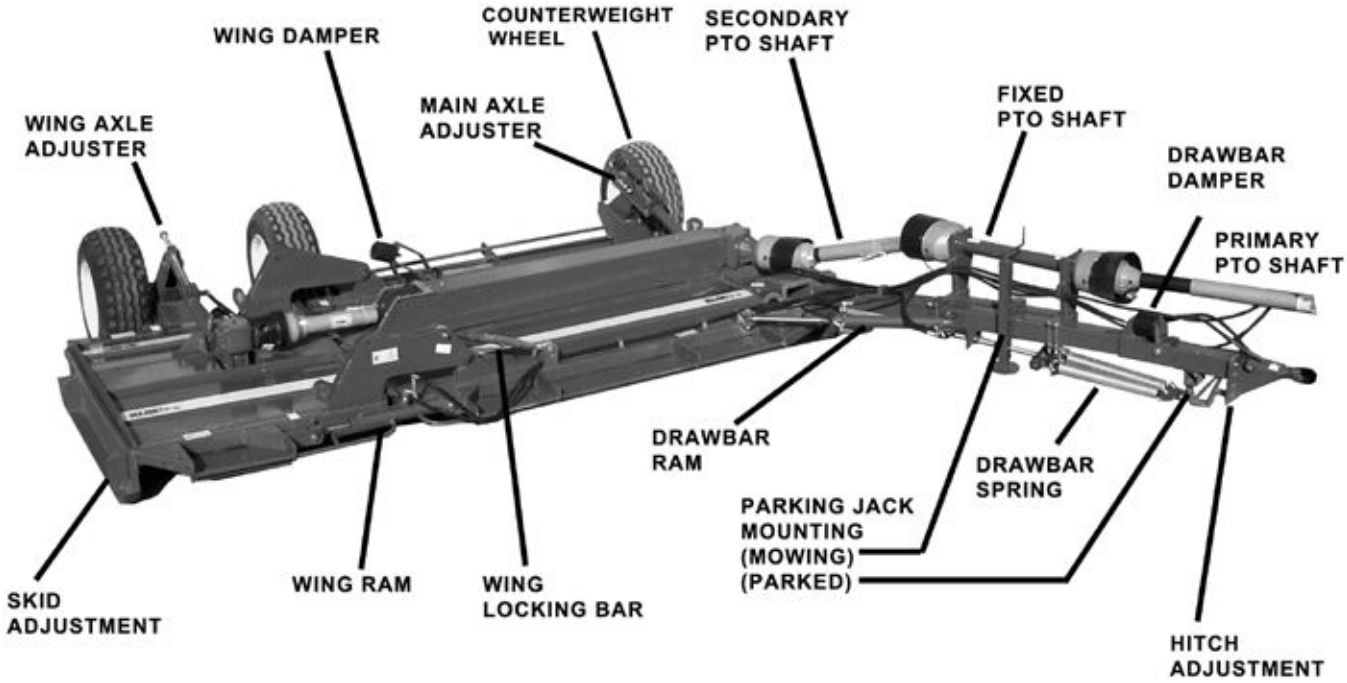
5. Ensure the gearbox shaft nuts are tight and retained in place by split pin.
6. Check tightness of all nuts, bolts and retaining screws after the first and second hours of work.
7. Ensure safety guards and flaps are in place at all times where fitted.
8. Due to the corrosive nature of grass when cut, wash down the machine when finished mowing, especially when the machine is being stored for a long period of time.

Key to Main Parts

8FTGD-HD and 9FTGD-HD



12FTGDW-HD

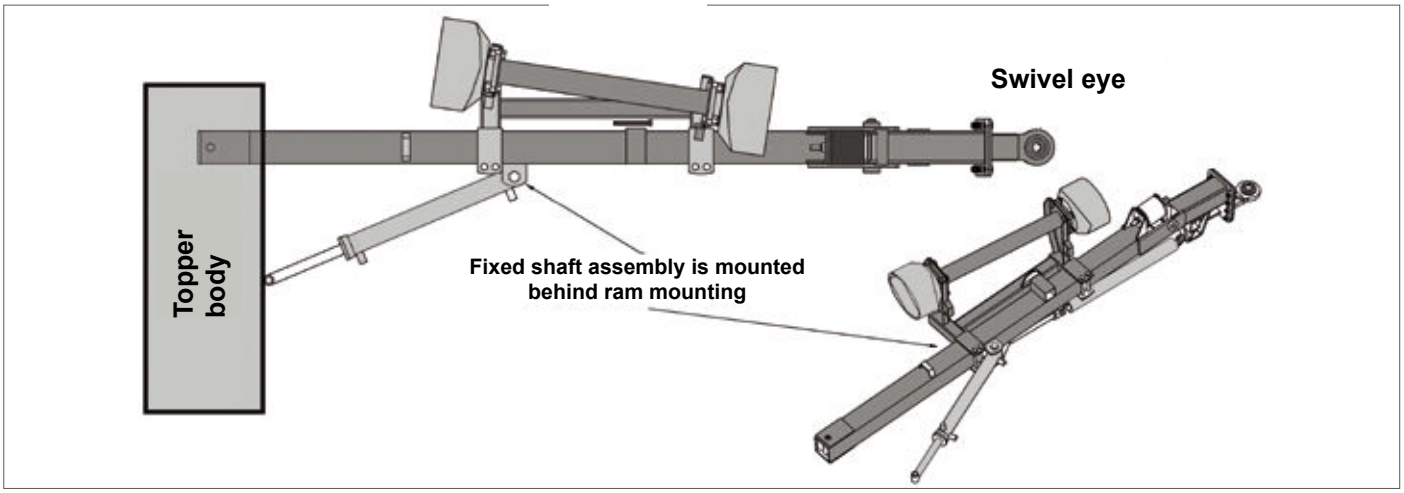


Starting Regulations

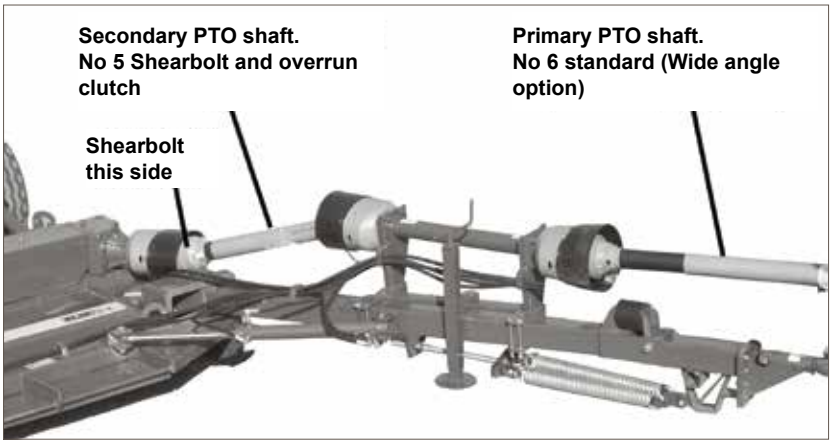
Always check that any imminently dangerous conditions have been eliminated before using the machine. Ensure all guarding is present & the operator is fully aware of the operations of the machine

Always ensure the pins lock the PTO shaft yoke ends onto the spline shafts on both the tractor and the implement. An unlocked shaft could slip out of position, causing notable mechanical damage and serious injury to both operator and bystanders.

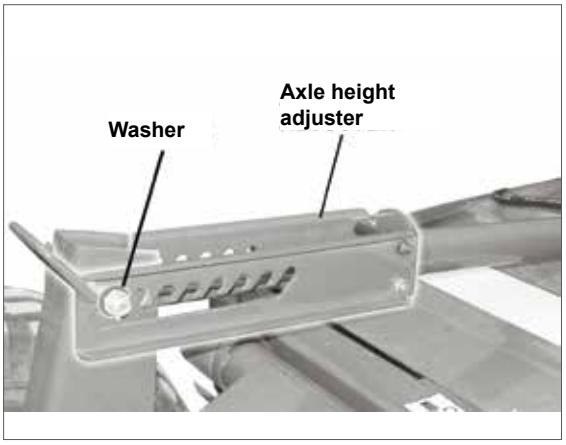
Machine Set Up
Overview

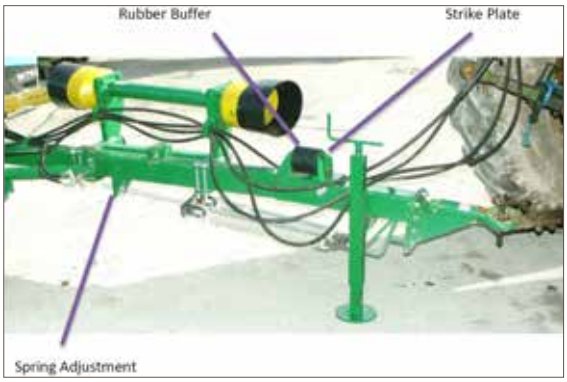


Side view



Axle stopper set up





Adjust the spring tension until the strike plate is cleared from the rubber buffer. The buffer should be clear of the strike plate by 4-6mm.
The machine should be checked on level ground.

Hitching to the Tractor

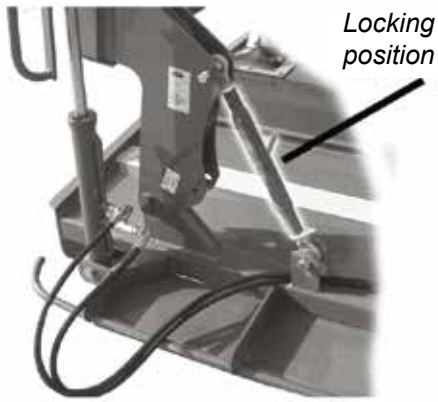
ALWAYS OPERATE ON LEVEL GROUND WHEN HITCHING/UNHITCHING THE IMPLEMENT. THIS WILL PREVENT DANGEROUS MOVEMENT. NVER ALLOW ANYONE TO STAND BETWEEN THE TRACTOR AND THE MACHINE.

1. Reverse the tractor, connect the hitch & secure in position with correct size drawbar pin. Ensure the tractor parking brake is applied.
2. Adjust the hitch eye to suit the tractor drawbar height, paying particular attention to keep the bolts on the adjuster plate as spread as far as possible.
3. Connect the machine to the tractor, The drawbar spring adjuster should now be tensioned ensuring the front of the skids are raised approx 25mm (1”) higher than the rear.
4. Before connecting the PTO shaft to the tractor, check for length as previously described in this manual.
5. Ensure PTO check chains are anchored to prevent PTO guarding from rotating.
6. Connect the hydraulic hoses to the appropriate connection.

Transport Position

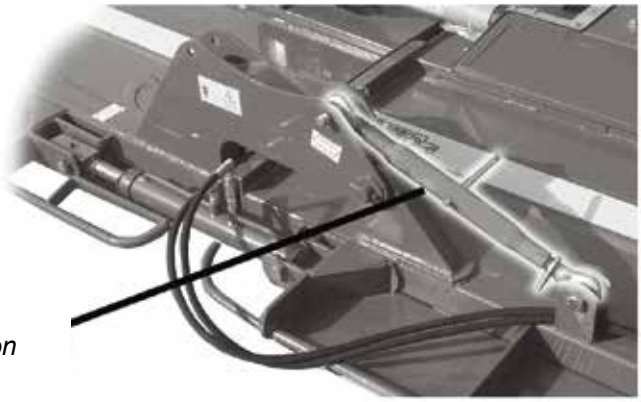
1. Check machine is hitched to the tractor as described on the previous page. Ensure the tractor parking brake is applied
2. Lift the body clear from the ground by activating the axle hydraulic ram
3. Transform the machine into transport position by hydraulic control. The Drawbar ram should be full closed. On the 1200T model, continue to hold the spool in this position & the wing will lift up into a vertical position.
4. Lock the wing into transport position & retain pin with clip (1200T model only)
5. Adjust the axle height stopper to the highest position.
6. Operate the tractor hydraulics to pull in the wing ram

1200T transport locking bar locations



Locking bar in transport position

Locking bar in mowing position



Mowing Position

1. Check machine is hitched to the tractor as described. Ensure the tractor parking brake is applied.
2. Ensure the body is clear from the ground by activating the axle hydraulic ram.
3. Transform the machine into mowing position by hydraulic control.
4. 800T and 900T models sequence: The drawbar ram will push out the cutting deck fully into operating position.
5. 1200T model sequence: The wing will drop first fully to the ground. Continue to hold the spool in position and the drawbar ram will push out the body into mowing position.
6. Lock the wing into mowing position & retain pin with clip (1200T only).
7. Adjust the axle height stopper to the desired position. On the 1200T model adjust the threaded bar to equalise the machine.
8. Operate the tractor hydraulics on the axle spool to lower the body against the axle stops.

Operating the Machine/Mowing

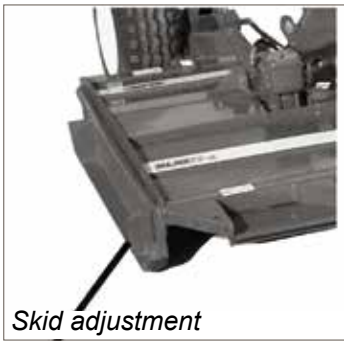
Never place limbs under the machine while rotors are turning. Rotors can remain turning for up to 1 minute after disengaging PTO. Ensure drawbar ram is fully extended before operating PTO. This MAJOR topper is designed to operate at 540 RPM. Ensure tractor PTO output is set at 540 RPM.

1. Ensure the machine is hitched correctly to the tractor as previously described.
2. Ensure bystanders are clear from the machine & cannot be hit with debris expelled from the machine.
3. Ensure cutting decks are lowered to the ground.
4. Start up the tractor PTO at a low RPM.
5. Build up to operating speed, select a suitable forward gear & proceed to cut grass.

Adjusting the skids and cutting height

Adjust the skids by:

1. Lifting the machine and removing the four skid retaining bolts
2. Relocate the skid to the desired height
3. The axle stop should now be adjusted, it should be set to that the wheels are taking as much weight as possible while the skids are maintaining ground contact.

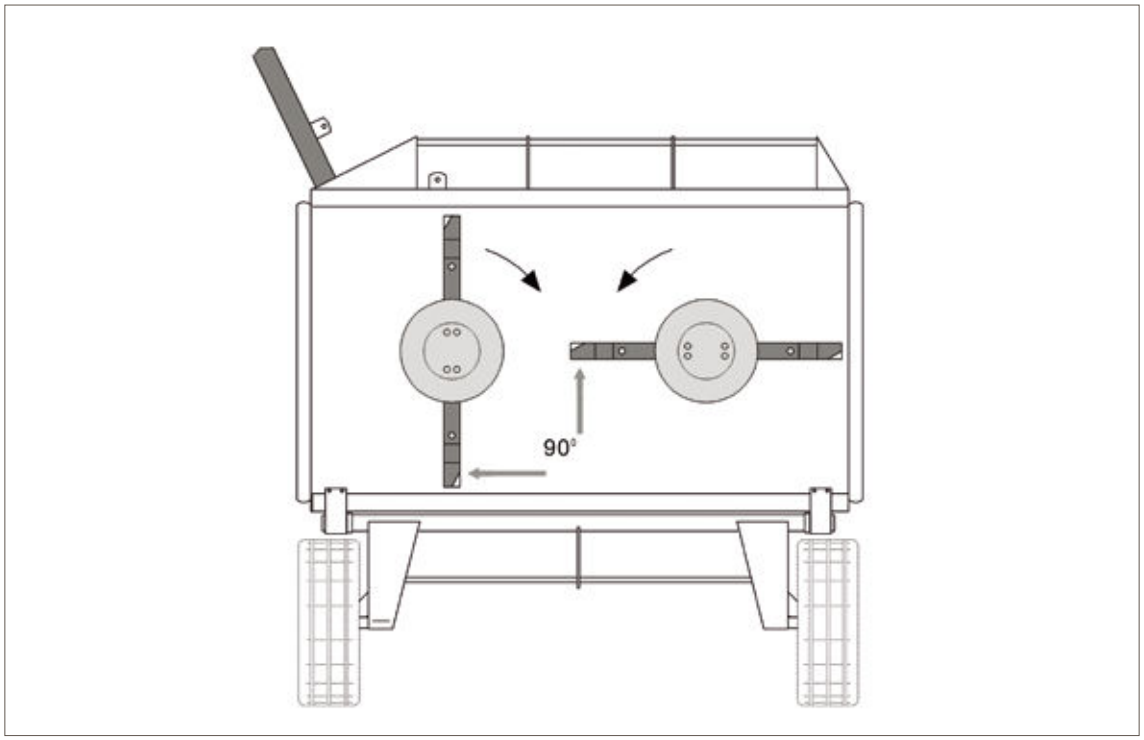


Skid adjustment

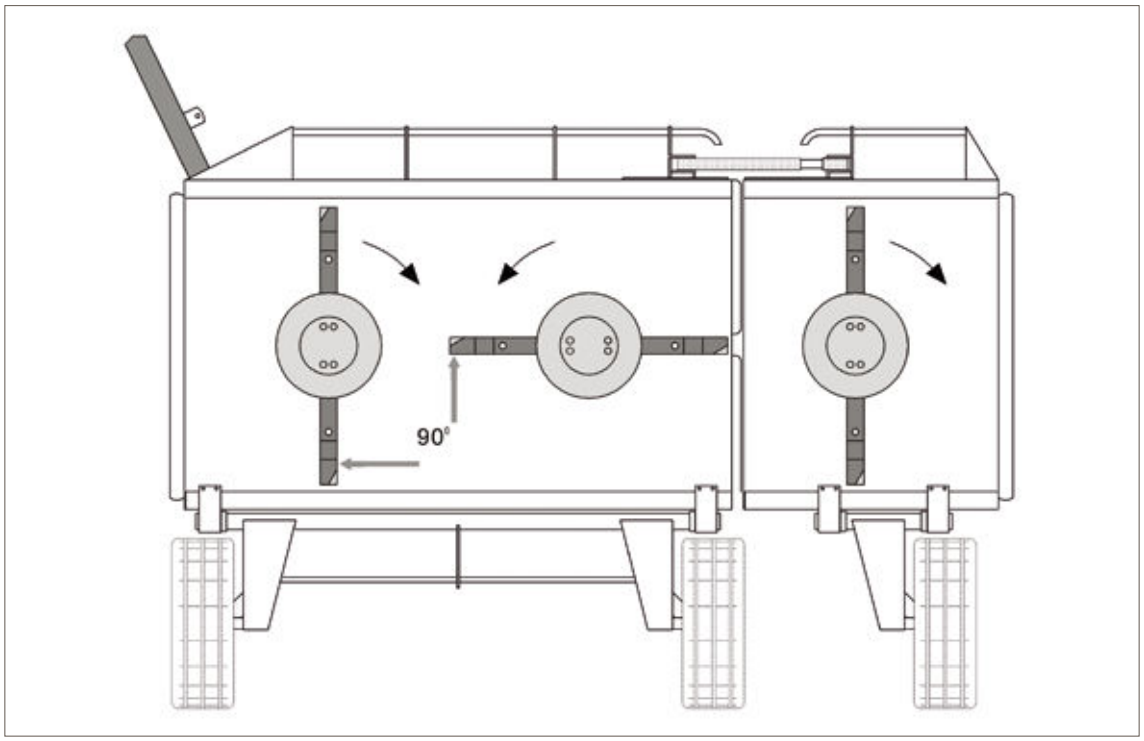
Blade Rotations

Blades must always be timed at at 90 degrees to each other. Failure to do so can cause the blades to foul and in turn may damage the transmission.

MAJOR 8FTGD & 9FTGD blade rotation



MAJOR 12FTGDW blade rotation



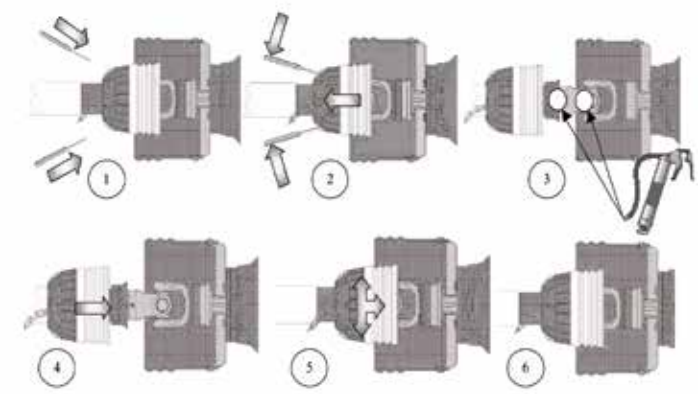
Maintenance

The machine must always be disconnected form the tractor before any cleaning, lubricating and servicing operations can be carried out. Maintenance must be carried out by qualified personnel

If emergency operations are required whilst the machine is connected to the tractor, switch off the engine, engage the parking brake and disengage the PTO.

Good, regular maintenance and correct use are if the topper is to remain safe and long lasting.

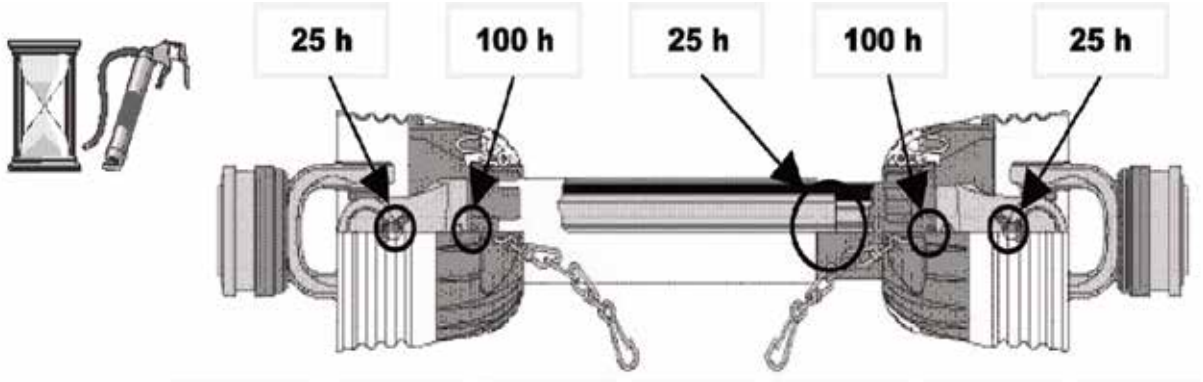
PTO Shaft Maintenance



Guard Removal and Yoke End Greasing

1. Prise back locking tabs
2. Pull back PTO Guard
3. Grease points as shown
4. Push Guard into position
5. Click into place
6. Tie check chain

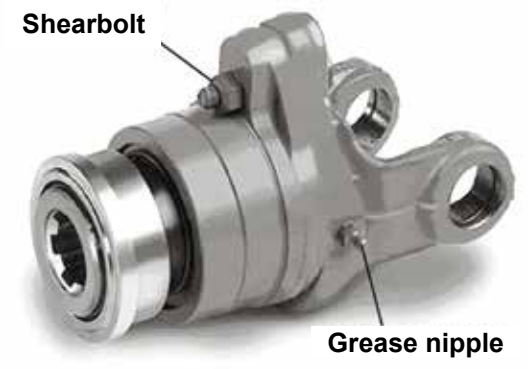
PTO Guard Greasing Intervals



Shearbolt Replacement

1. Slide yoke shield back.
2. Drive out sheared bolt with hammer and punch.
3. Align holes and install new shear bolt. (Use only genuine MAJOR replacement shear bolts. M8X50 BZP -8.8)
4. Slide yoke shield securely in place

Fit PTO shaft with the shearbolt end connected to the Topper as directed on the PTO guarding.



All nuts and bolts in the transmission including Rubber couplings, Star Drives, PTO Shafts and Gearboxes should be checked for tightened after mowing at the following intervals.

1st 50 Acres
1st 100 Acres
1st 250 Acres
And every 250 acres thereafter.

NOTE: ENSURE BLADE ROTATION AND TIMING IS CORRECT AFTER SERVICING TRANSMISSION.

Maintenance Schedule

Grease the following:

	INITIALLY	8 HOURS
PTO Shaft Yoke Ends (8)	●	●
Drawbar drive bearings (12)	●	●
Drawbar pivot (1)	●	●
Axle pivot (2)	●	●
1200T only		
Wing pivots (2)	●	●
Wing axle (2)	●	●

Trouble Shooting

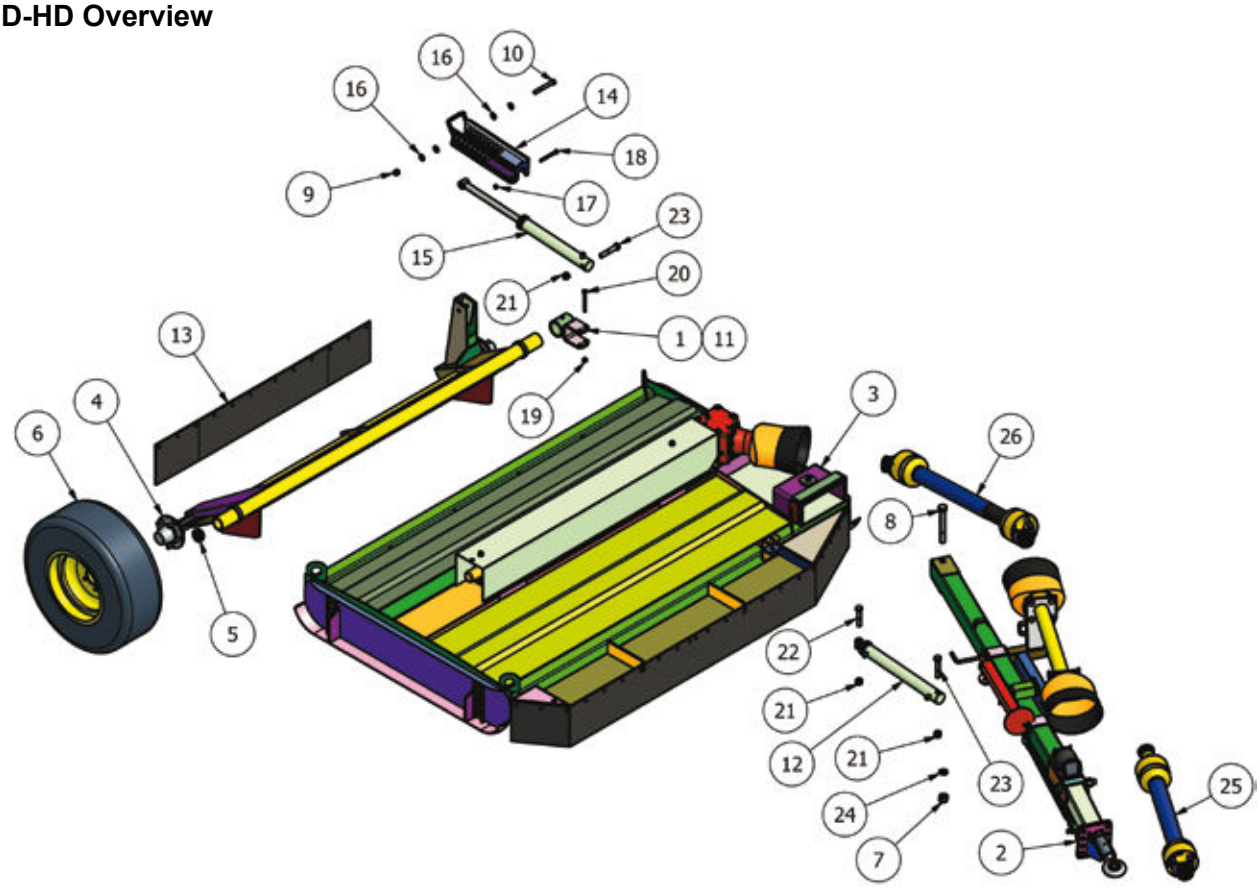
Fault	Cause	Remedy
Leaves a streak of uncut or partially cut grass	Blades dull or bent	Replace blades
	Carrier RPM too low	Use correct PTO speed
	Field conditions are so wet that the tractor tyre is pushing grass into mud	Too wet to mow. Stop operation and wait until it is drier
	Ground speed too fast	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 too much material	Reduce ground speed but maintain 540rpm 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
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 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 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

Fault	Cause	Remedy
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

Spare Parts

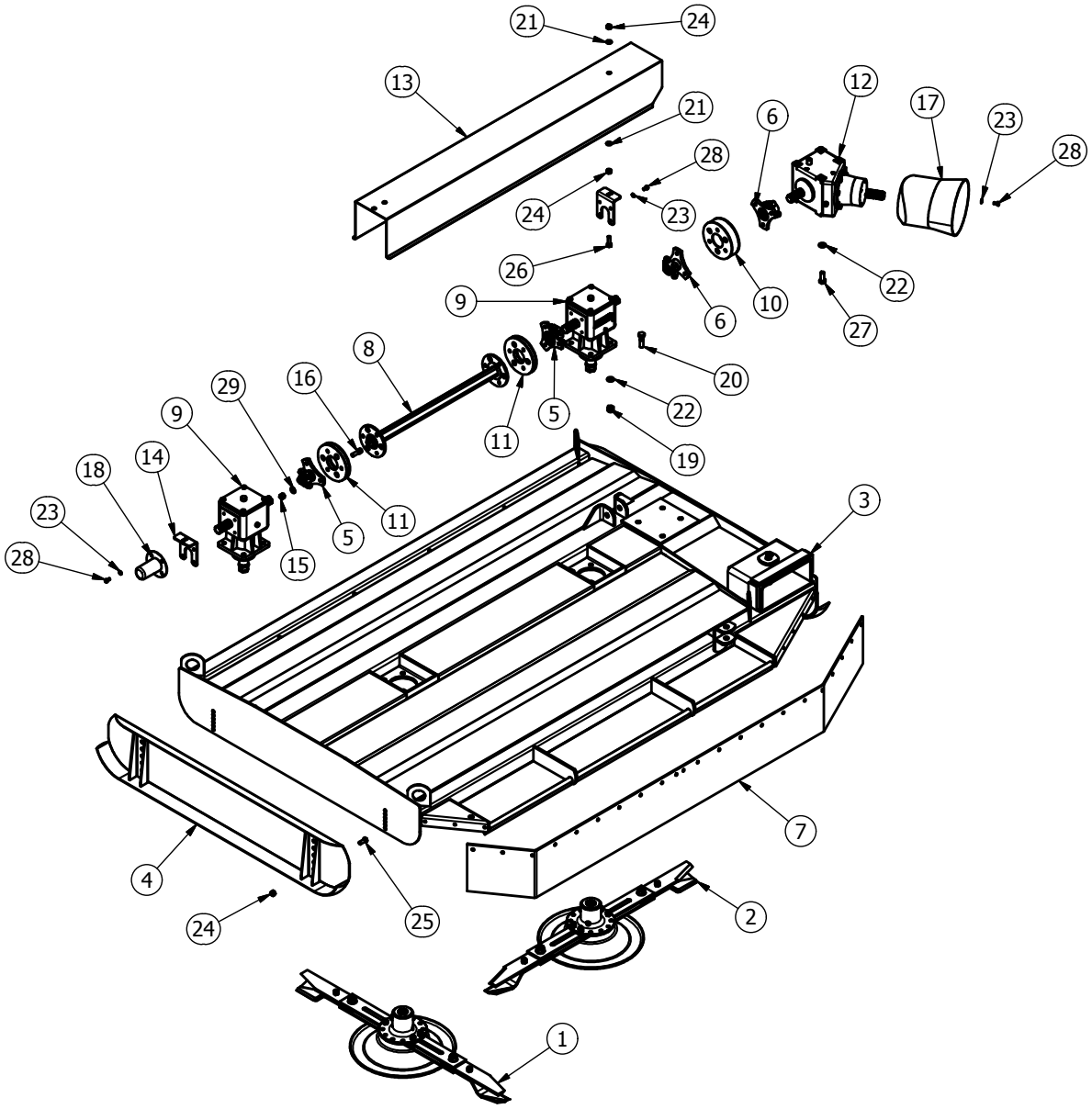
8FTGD-HD, 9FTGD-HD and 12FTGDW Trailed Toppers

8FTGD-HD Overview



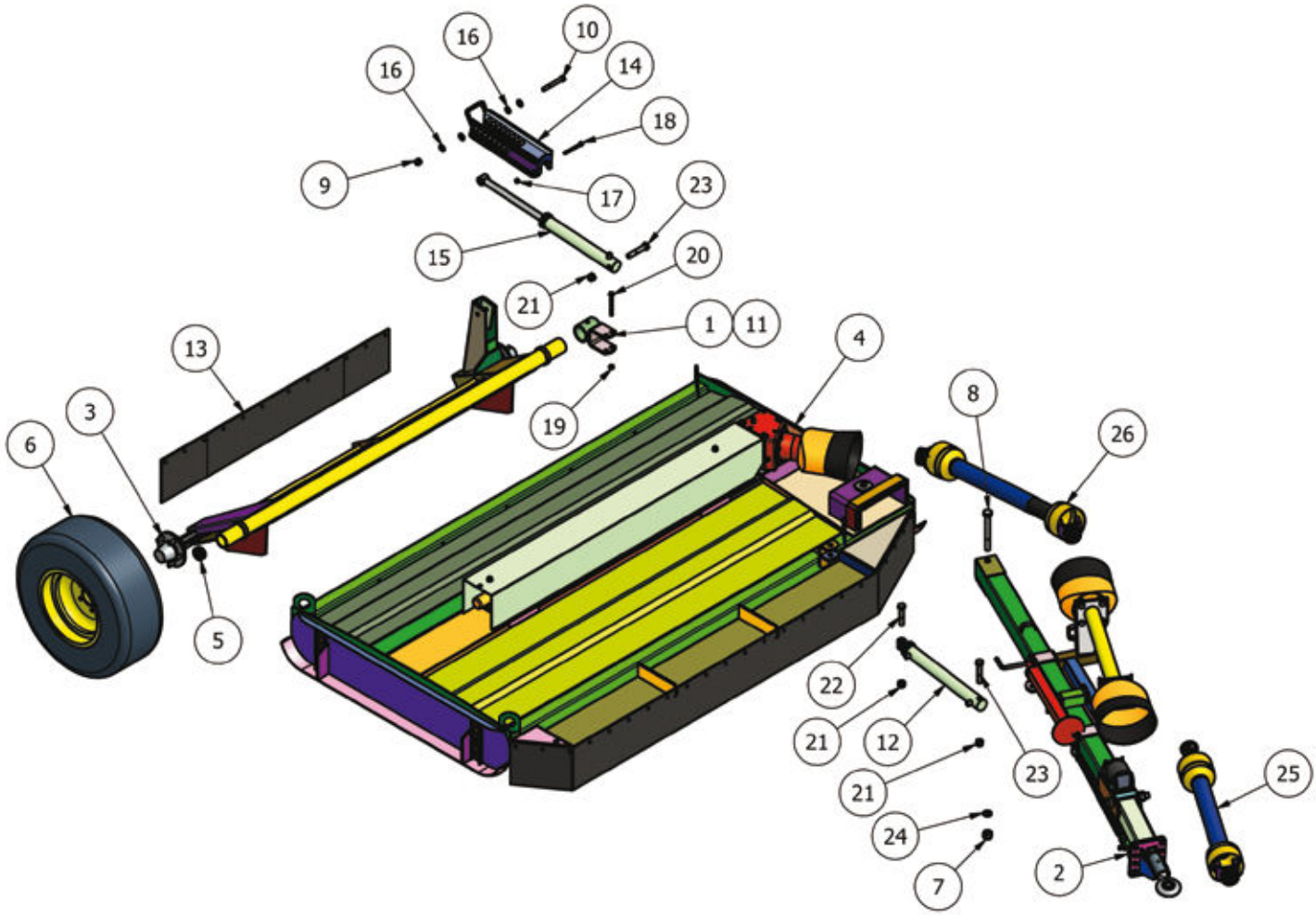
Item	Part No	Description	Qty
1	8T12	AXLE CLAMP	2
2	8TD-GA	8/9 TRAILED DRAWBAR	1
3	8TGTB-GA	800T BODY ASSEMBLY	1
4	9TGTA-1	TRAILED AXLE FAB	1
5	199269	DIA 57.5-61.5mm INSERT	2
6	10X153WH	WHEEL DIA 760x274mm	2
7	1/F	1” NYLOC NUT	3
8	1x8FBZP	1”x8” FINE BOLT	1
9	5/8F	5/8” FINE NYLOC NUT	1
10	58x5FBZP	5/8”x5” FINE BOLT	1
11	820	GREASE NIPPLE 1/8” STR	2
12	8TD-RAM_B	DRAWBAR RAM BODY	1
13	9TSKR	9OOT SKIRT	1
14	9TGT-AP1	TOPPER HEIGHT SET	1
15	9TGTA-R1N	AXLE RAM BODY	1
16	DSW16	DISC SPRING 34x16.3x2.0	4
17	M10	M10 NYLOC NUT	2
18	M10x110BZP	M10x110 BOLT	2
19	M12	M12 NYLOC NUT	4
20	M12x120BZP	M12x120 BOLT	4
21	M20	M20 NYLOC NUT	3
22	M20x100BZP	M20x100 BOLT	1
23	M20x110BZP	M20x110 BOLT	2
24	SW1	1” SPRING WASHER	1
25	T600810ENC12RB2	T60 SHEAR BOLT O/R	1
26	V600860ENC12C12	COLLAR-COLLAR PTO	1

8FTGD-HD Body



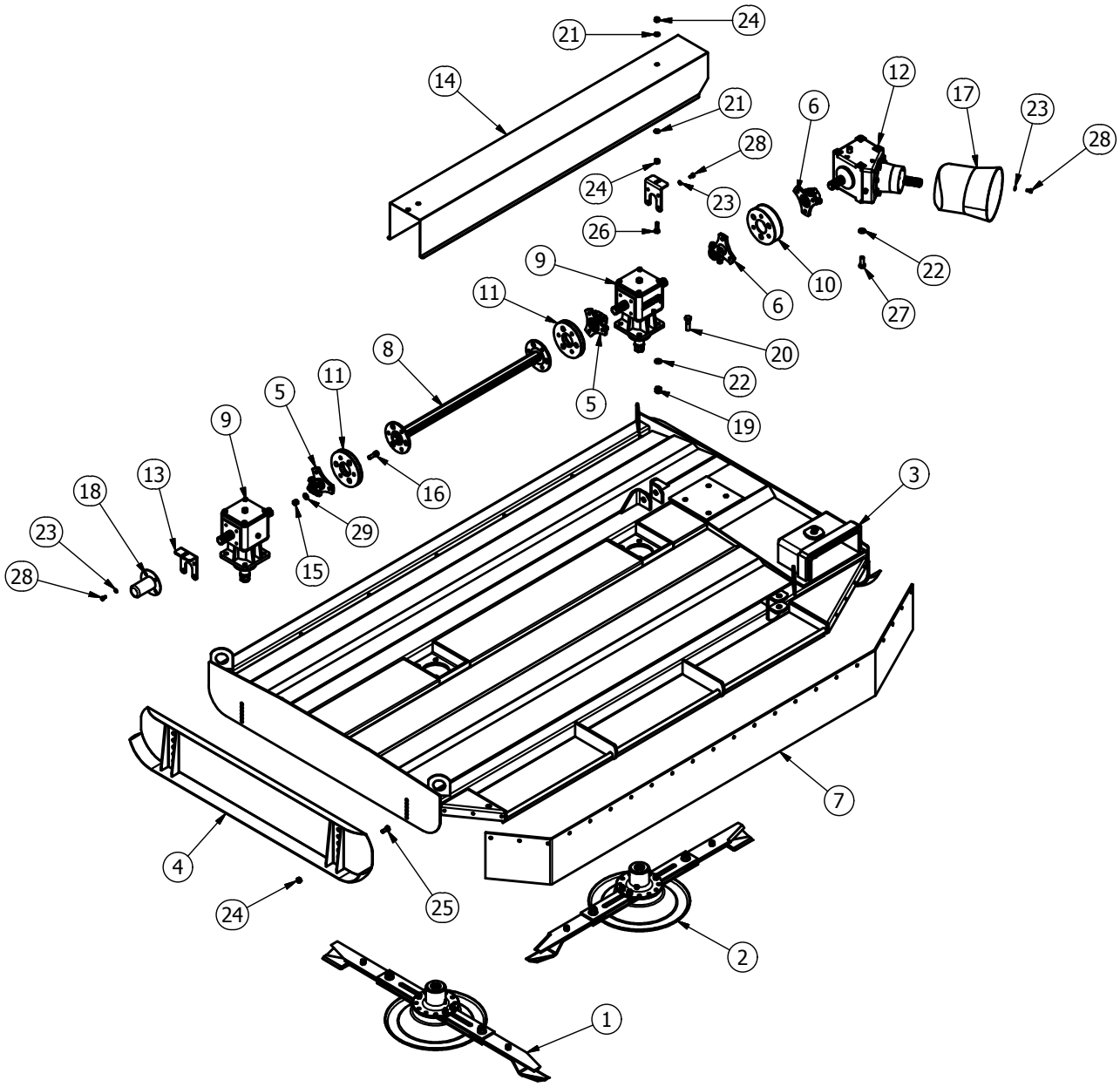
Item	Part No	Description	Qty
1	1239V2-D-BL	1239 BLADE (Anti_Clk)	1
2	1239V2-D-BR	1239 BLADE (Clk)	1
3	8TGTB-001	800T BODY FAB	1
4	SLH16AS	SKID (OFFSET)	2
5	60CSD	60mm STAR DRIVE	2
6	8SM-18	6 SPLINE STAR DRIVE	2
7	8SM-30	800SM SKIRT	1
8	DRV-RC-800T	800T DRIVE	1
9	MJ40T (347801)	6 SPLINE 'T' BOX RATIO 1.47	2
10	MJRC-113	113 PCD RUBBER COUPLING	1
11	MJRC-23	113 PCD COUPLING 4mm PLT	2
12	T291005	6 SPLINE 'ANG' RATIO 1.35	1
13	8TGTC-3	800T GEARBOX COVER	1
14	9TGT-CB	GEARBOX COVER BRKT	2
15	12HEX109	1/2F HEX 10.9	18
16	12x112FSKS	1/2"x1 1/2" FINE SOCKET HEAD 12.9	18
17	190.000.545	PTO GUARD (EXTENDED OVAL)	1
18	190592	PTO HAT	1
19	5/8F	5/8" FINE NYLOC NUT	8
20	58x214FBZP	5/8"x2 1/4" FINE BOLT	8
21	FWM12	M12 FLAT WASHER	4
22	FWM16	M16 FLAT WASHER	12
23	FWM8	M8 FLAT WASHER	8
24	M12	M12 NYLOC NUT	12
25	M12x30SZP	M12x30 SET BOLT	8
26	M12x40SZP	M12x40 SET BOLT	2
27	M16x40SZP	M16x40 SET BOLT	4
28	M8x16SZP	M8x16 SET BOLT	8
29	NL12SP	M12 SP NORDLOCK	18

9FTGD-HD Grass Topper
Overview



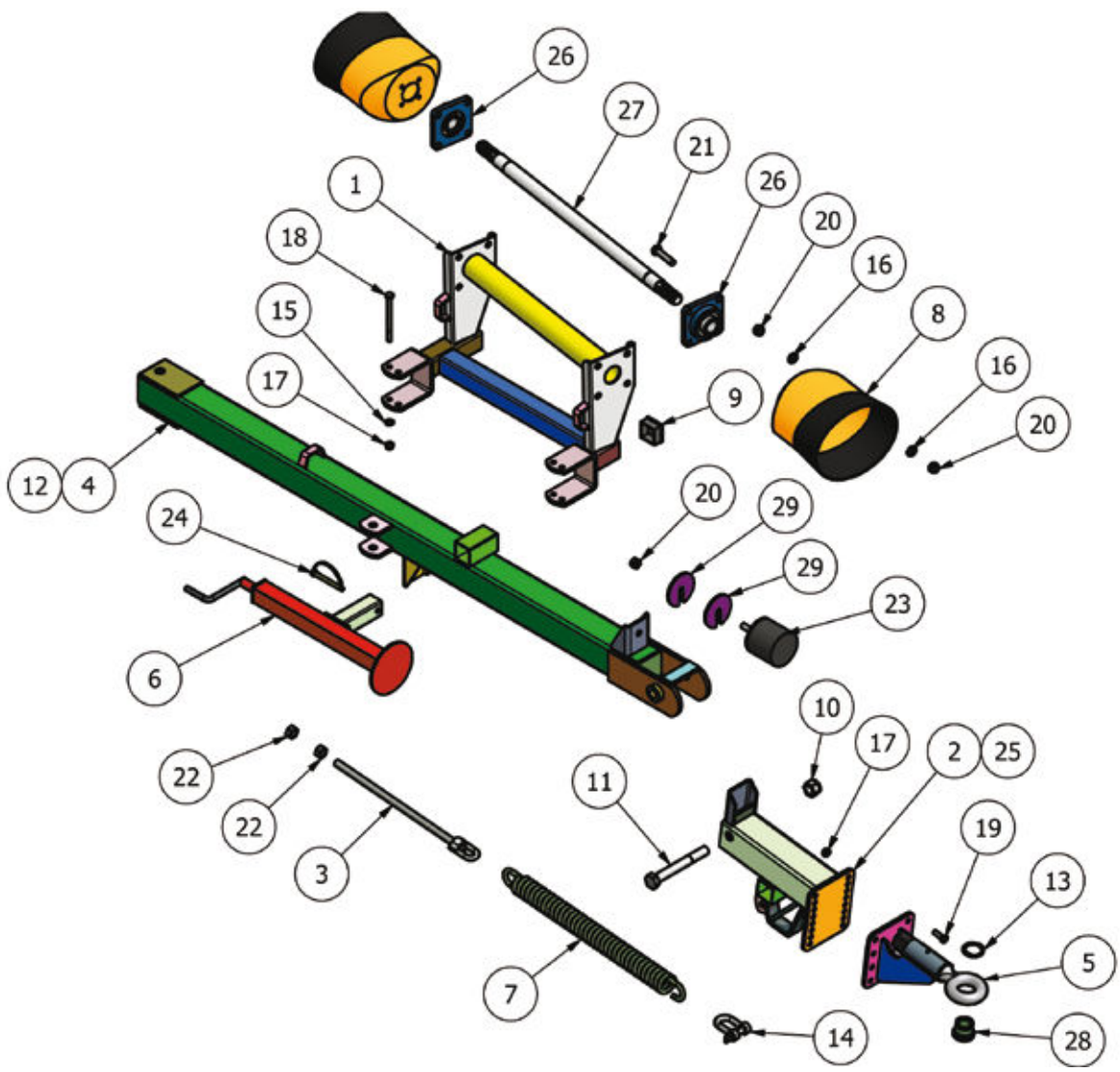
Item	Part No	Description	Qty
1	8T12	AXLE CLAMP	2
2	8TD-GA	8/9 TRAILED DRAWBAR	1
3	9TGTA-1	TRAILED AXLE FAB	1
4	9TGTB-GA	900T BODY ASSEMBLY	1
5	199269	DIA 57.5-61.5mm INSERT	2
6	10X153WH	WHEEL DIA 760x274mm	2
7	1/F	1” FINE NYLOC NUT	1
8	1x8FBZP	1”x8” FINE BOLT	1
9	5/8F	5/8” FINE NYLOC NUT	1
10	58x5FBZP	5/8”x5” FINE BOLT	1
11	820	GREASE NIPPLE 1/8” STR	2
12	8TD-RAM_B	DRAWBAR RAM BODY	1
13	9TSKR	9OOT SKIRT	1
14	9TGT-AP1	TOPPER HEIGHT SET	1
15	9TGTA-R1N	AXLE RAM BODY	1
16	DSW16	DISC SPRING 34x16.3x2.0	4
17	M10	M10 NYLOC NUT	2
18	M10x110BZP	M10x110 BOLT	2
19	M12	M12 NYLOC NUT	4
20	M12x120BZP	M12x120 BOLT	4
21	M20	M20 NYLOC NUT	3
22	M20x100BZP	M20x100 BOLT	1
23	M20x110BZP	M20x110 BOLT	2
24	SW1	1” SPRING WASHER	1
25	T600810ENC12RB2	T60 SHEAR BOLT O/R	1
26	V600860ENC12C12	COLLAR-COLLAR PTO	1

9FTGD-HD Body Assembly



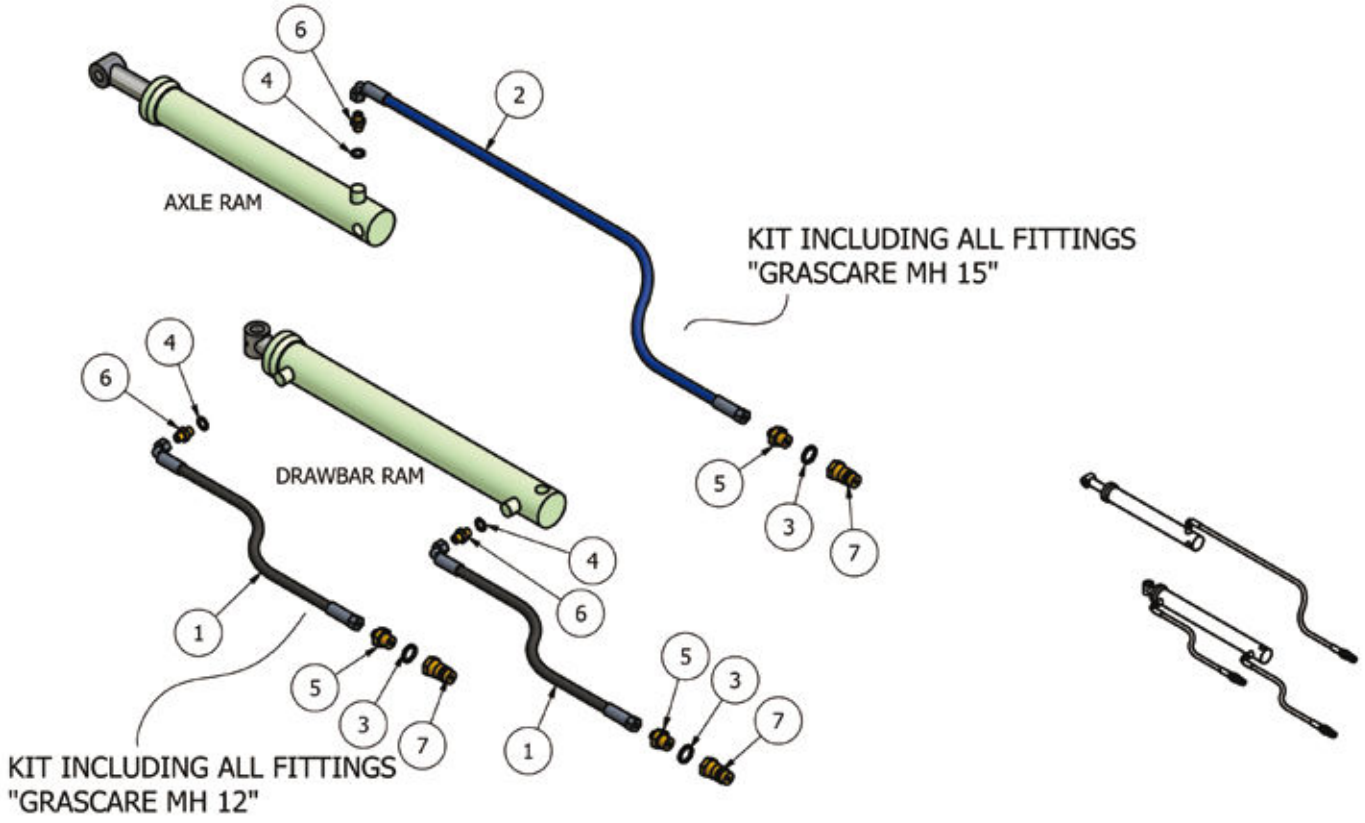
Item	Part No	Description	Qty
1	1385V3-D-BL	1385 BLADE (Anti_Clk)	1
2	1385V3-D-BR	1385 BLADE (Clk)	1
3	9TGTB-01	900T BODY FAB	1
4	SLH16AS	SKID (OFFSET)	2
5	60CSD	60mm STAR DRIVE	2
6	8SM-18	6 SPLINE STAR DRIVE	2
7	9T-SKF	900T SKIRT	1
8	DRV-RC-900T	900T DRIVE	1
9	MJ40T (347801)	6 SPLINE 'T' BOX RATIO 1.47	2
10	MJRC-113	113 PCD RUBBER COUPLING	1
11	MJRC-23	113 PCD COUPLING 4mm PLT	2
12	T291005	6 SPLINE 'ANG' RATIO 1.35	1
13	9TGT-CB	GEARBOX COVER BRKT	2
14	9TGTC-3	900T GEARBOX COVER	1
15	12HEX109	1/2F HEX 10.9	18
16	12x112FSKS	1/2"x1 1/2" FINE SOCKET HEAD 12.9	18
17	190.000.545	PTO GUARD (EXTENDED OVAL)	1
18	190592	PTO HAT	1
19	5/8F	5/8" FINE NYLOC NUT	8
20	58x214FBZP	5/8"x2 1/4" FINE BOLT	8
21	FWM12	M12 FLAT WASHER	4
22	FWM16	M16 FLAT WASHER	12
23	FWM8	M8 FLAT WASHER	8
24	M12	M12 NYLOC NUT	12
25	M12x30SZP	M12x30 SET BOLT	8
26	M12x40SZP	M12x40 SET BOLT	2
27	M16x40SZP	M16x40 SET BOLT	4
28	M8x16SZP	M8x16 SET BOLT	8
29	NL12SP	M12 SP NORDLOCK	18

8FTGD-HD and 9FTGD-HD Drawbar



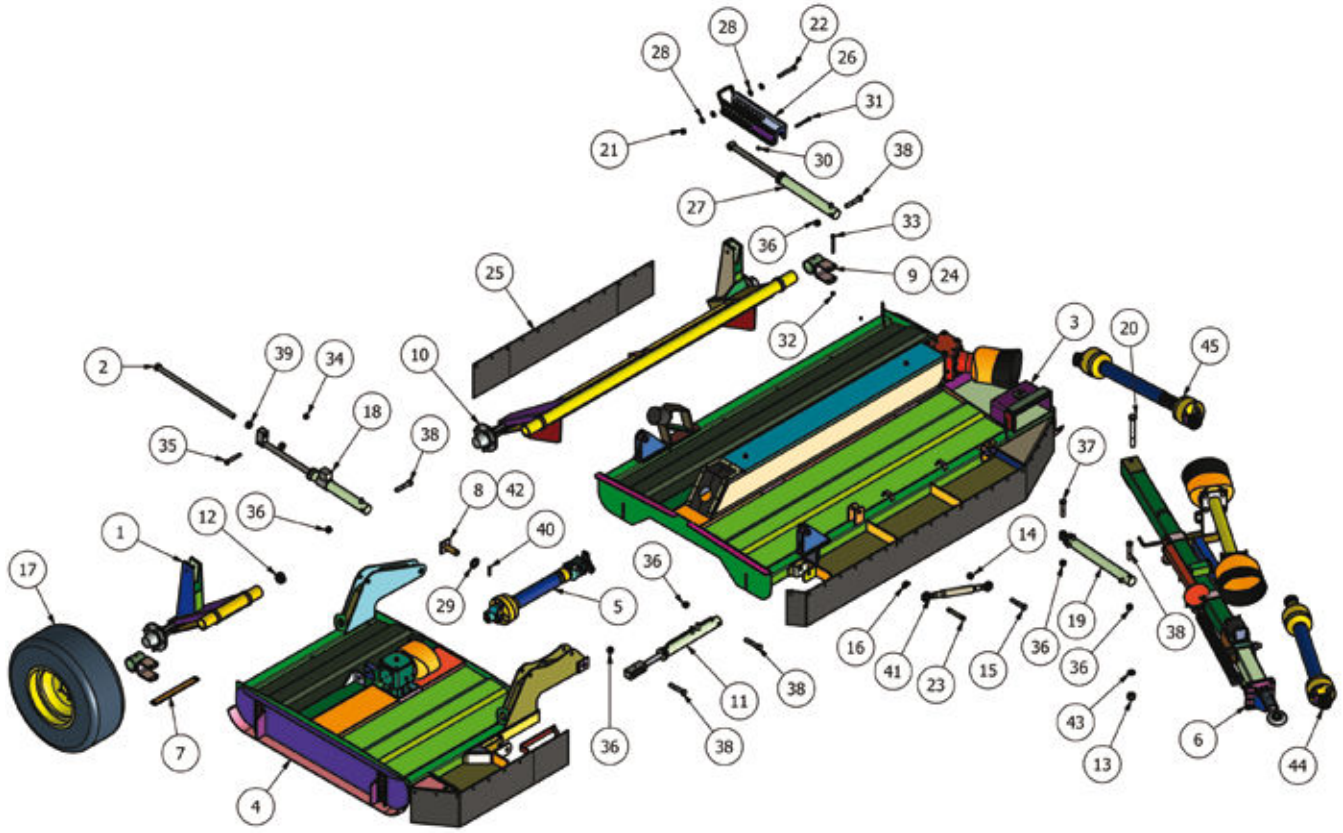
Item	Part No	Description	Qty
1	894T	DUMMY SHAFT MOUNT	1
2	8T-AD1	DRAWBAR HINGE	1
3	8T20	SPRING TENSIONER	1
4	8T3	DRAWBAR FAB	1
5	RTE-01	ROTARY HITCH EYE	1
6	TT-JACK	TOPPER JACK	1
7	12MB2S	DRAWBAR SPRING	1
8	190.000.545	PTO GUARD (EXTENDED OVAL)	2
9	199211	SQ 52-54mm INSERT (POL)	2
10	1F	1" FINE NYLOC NUT	1
11	1x8FBZP	1"x8" FINE BOLT	1
12	820	GREASE NIPPLE 1/8" STR	1
13	AGC2	DIA 50 EXT HEAVY CIRCLIP	1
14	EW29A	5/8" "D" SHACKLE	1
15	FWM12	M12 FLAT WASHER	4
16	FWM16	M16 FLAT WASHER	16
17	M12	M12 NYLOC NUT	12
18	M12x150BZP	M12x150 BOLT	4
19	M12x35BZP	M12x35 BOLT	8
20	M16	M16 NYLOC NUT	17
21	M16x70SZP	M16x70 SET BOLT	8
22	M20HEX	M20 PLAIN NUT	2
23	MOT10	DIA 105x100 BUFFER	1
24	S272	SHAFT LOCK PIN DIA 11	1
25	S840	GREASE NIPPLE 1/8"x45	1
26	SF1-12	DIA 1 1/2" FLANGE BRG	2
27	8T1-3	DUMMY SHAFT	1
28	TDD-TEB	TOE EYE BUSH	1
29	8T19	BUFFER SPACER	2

8FTGD-HD and 9FTGD-HD Hydraulics



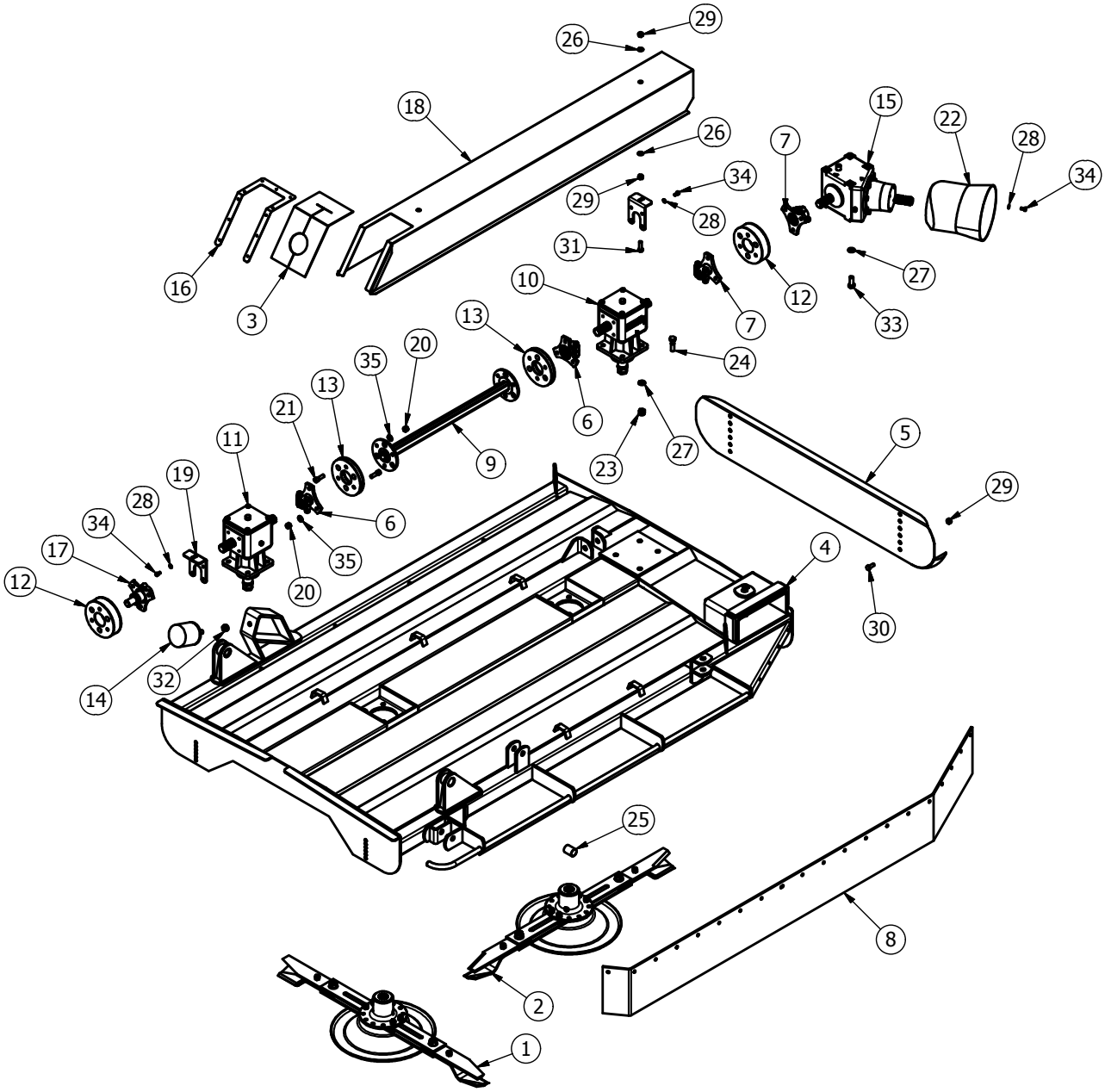
Item	Part No	Description	Qty
1	800-900-HOSE-A	1/4”x3660mm Str to Block 90	2
2	800-900-HOSE-B	1/4”x4570mm Str to Block 90	1
3	EDOW12	1/2” DOWTY WASHER	3
4	EDOW14	1/4” DOWTY WASHER	3
5	EMM1214	1/2-14” M/M CONNECTOR	3
6	EMM14	1/4” M/M CONNECTOR	3
7	EQRM12	1/2” QUICK RELEASE MALE	3

12FTGDW-HD Grass Topper
Overview



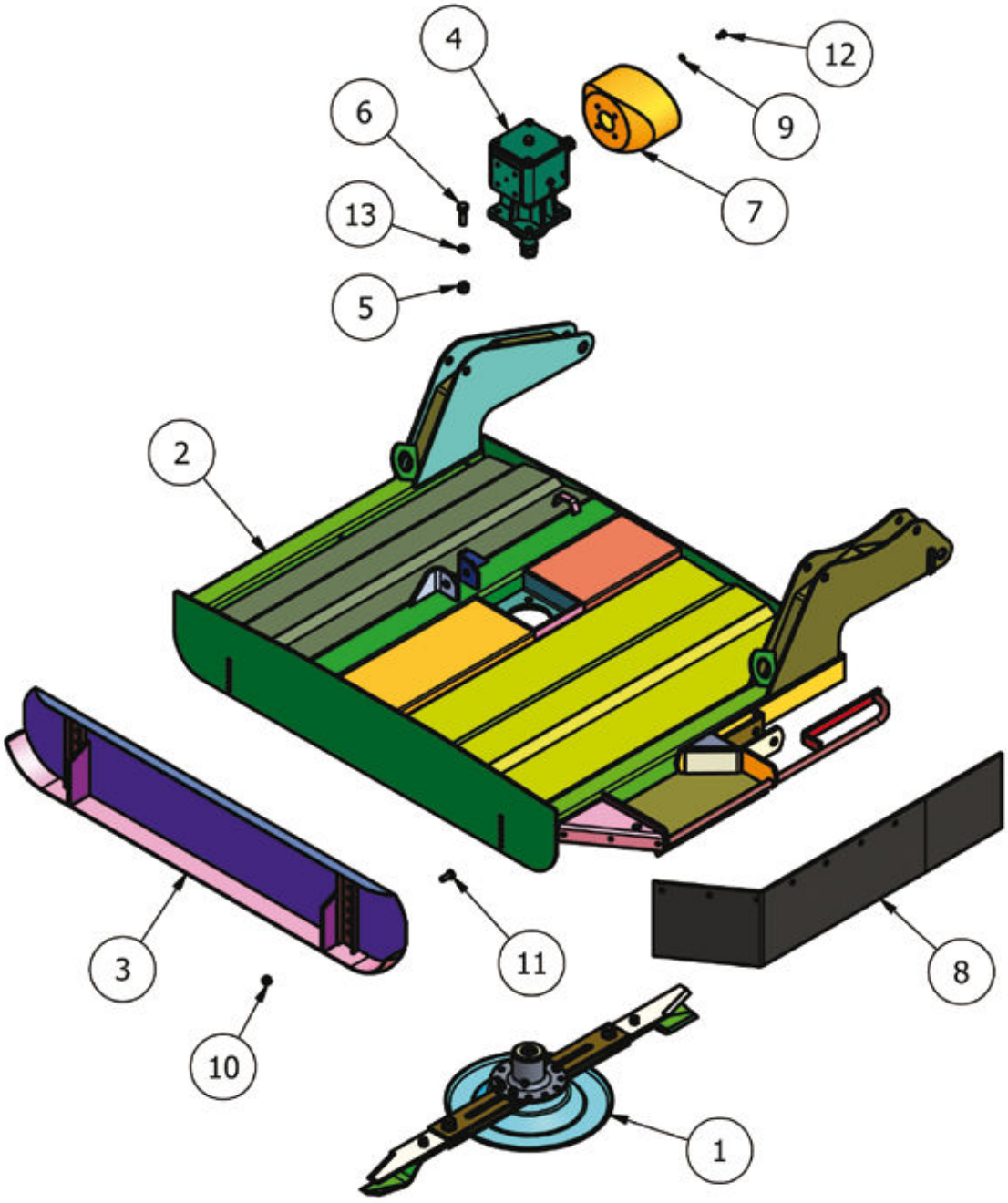
Item	Part No	Description	Qty
1	12TGTA-1	12ft WING AXLE FAB	1
2	12TGTA-TBA	1200 WING AXLE STOP	1
3	12TGTB-GA	1200T BODY ASSEMBLY	1
4	12TGTW-GA	1200T WING ASSEMBLY	1
5	12TW-PTOW	1200T WING PTO SHAFT	1
6	12TWDD-GA	1200T TRAILED DRAWBAR	1
7	12TWT-AS	AXLE STRAP (1200T)	1
8	12W-PIN07 (12GM-P1)	PIVOT PIN	2
9	8T12	AXLE CLAMP	4
10	9TGTA-1	TRAILED AXLE FAB	1
11	17GM-WR4_B	WING LIFT RAM	1
12	199269	DIA 57.5-61.5mm INSERT	4
13	1/F	1” FINE NYLOC NUT	1
14	3/4F	3/4” FINE NYLOC NUT	1
15	34x4FBZP	3/4”x4” FINE BOLT	1
16	3546	LINCH PIN DIA 9.5	1
17	10X153WH	WHEEL DIA 760x274mm	3
18	12TWT-ARAM	12TWT AXLE RAM	1
19	12TWT-DRAM	DRAWBAR RAM BODY	1
20	1x8FBZP	1”x8” FINE BOLT	1
21	5/8F	5/8” FINE NYLOC NUT	1
22	58x5FBZP	5/8”x5” FINE BOLT	1
23	S74	CAT 1 PIN DIA 19x102mm	1
24	820	GREASE NIPPLE 1/8” STR	4
25	9TSKR	9OOT SKIRT	1
26	9TGT-AP1	TOPPER HEIGHT SET	1
27	9TGTA-R1N	AXLE RAM BODY	1
28	DSW16	DISC SPRING 34x16.3x2.0	4
29	FW114	DIA 1 1/4” FLAT WASHER	2
30	M10	M10 NYLOC NUT	2
31	M10x110BZP	M10x110 BOLT	2
32	M12	M12 NYLOC NUT	8
33	M12x120BZP	M12x120 BOLT	8
34	M16	M16 NYLOC NUT	1
35	M16x110BZP	M16x110 BOLT	1
36	M20	M20 NYLOC NUT	6
37	M20x100BZP	M20x100 BOLT	1
38	M20x110BZP	M20x110 BOLT	5
39	M24HEX	M24 PLAIN NUT	2
40	1234	ROLL PIN DIA 10x60	2
41	S300-B	CAT 1-1 TOP LINK	1
42	849	GREASE NIPPLE M6 STR	2
43	SW1	1” SPRING WASHER	1
44	T600810ENC12RB2	T60 SHEAR BOLT O/R	1
45	V600860ENC12C12	COLLAR-COLLAR PTO	1

12FTGDW-HD Body Assembly



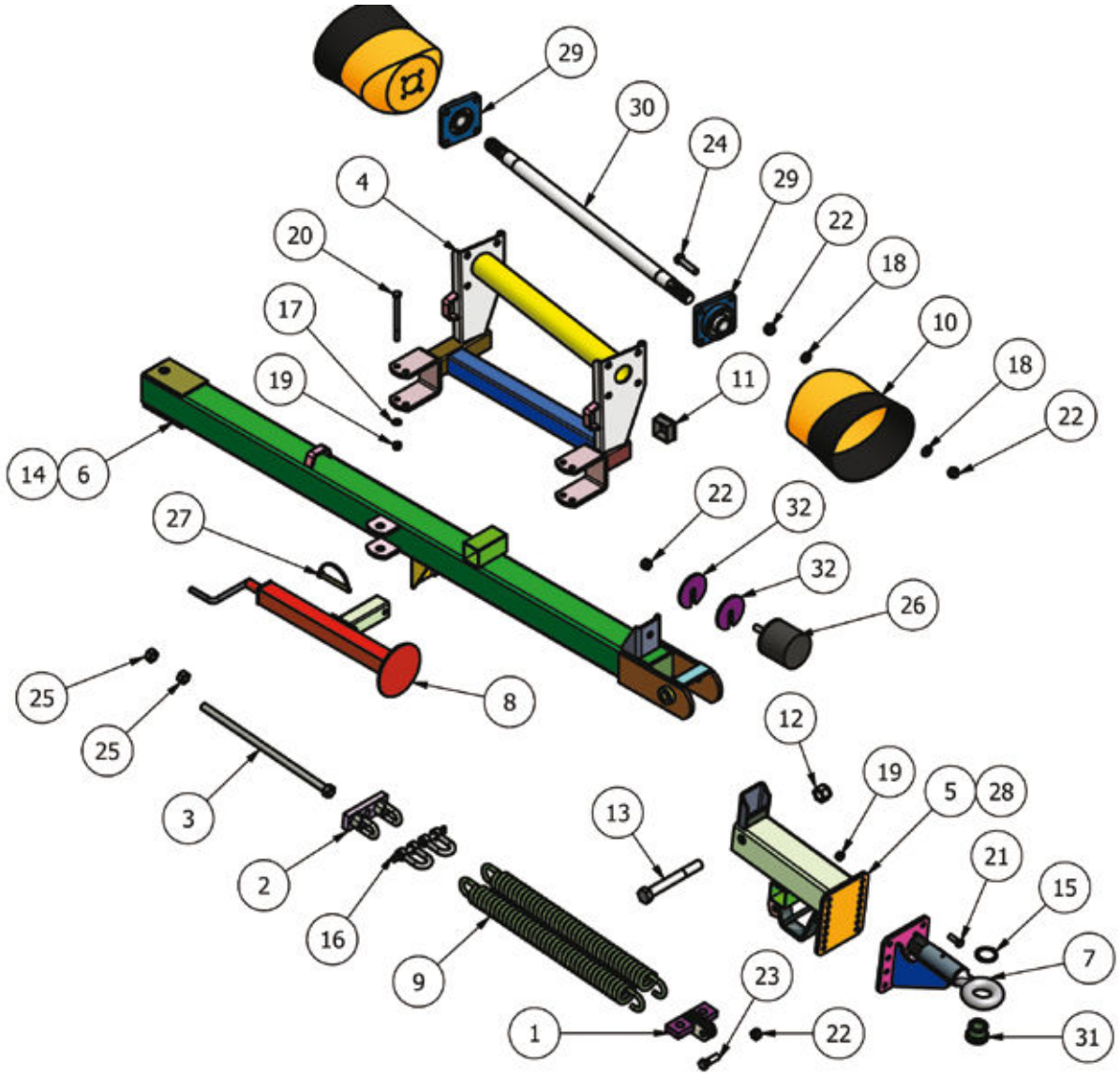
Item	Part No	Description	Qty
1	1239V2-D-BL	1239 BLADE (Anti_Clk)	1
2	1239V2-D-BR	1239 BLADE (Clk)	1
3	12GMTC1	G/BOX RUBBER COVER END	1
4	12TWTB-01	1200T BODY FAB	1
5	SLH16AS	SKID (OFFSET)	1
6	60CSD	60mm STAR DRIVE	2
7	8SM-18	6 SPLINE STAR DRIVE	2
8	8SM-30	800SM SKIRT	1
9	DRV-RC-800T	800T DRIVE	1
10	MJ40T (347801)	6 SPLINE 'T' BOX RATIO 1.47	1
11	MJ40T21 (347802)	6/21 SPLINE 'T' BOX RATIO 1.47	1
12	MJRC-113	113 PCD RUBBER COUPLING	2
13	MJRC-23	113 PCD COUPLING 4mm PLT	2
14	MOT10	DIA 100x100 BUFFER	1
15	T291005	6 SPLINE 'ANG' RATIO 1.35	1
16	12TC-E	G/BOX COVER END	1
17	12EW45-2	21 SPLINE STAR DRIVE	1
18	12TGT-TC	1200T BODY COVER	1
19	9TGT-CB	GEARBOX COVER BRKT	2
20	12HEX109	1/2F HEX 10.9	24
21	12x112FSKS	1/2"x1 1/2" FINE SOCKET HEAD 12.9	24
22	190.000.545	PTO GUARD (EXTENDED OVAL)	1
23	5/8F	5/8" FINE NYLOC NUT	8
24	58x214FBZP	5/8"x2 1/4" FINE BOLT	8
25	8SM14	DIA 1 1/4" BUSHx1 3/4"	2
26	FWM12	M12 FLAT WASHER	4
27	FWM16	M16 FLAT WASHER	12
28	FWM8	M8 FLAT WASHER	8
29	M12	M12 NYLOC NUT	8
30	M12x30SZP	M12x30 SET BOLT	4
31	M12x40SZP	M12x40 SET BOLT	2
32	M16	M16 NYLOC NUT	1
33	M16x40SZP	M16x40 SET BOLT	4
34	M8x16SZP	M8x16 SET BOLT	8
35	NL12SP	M12 SP NORDLOCK	24

12FTGDW-HD Wing Assembly



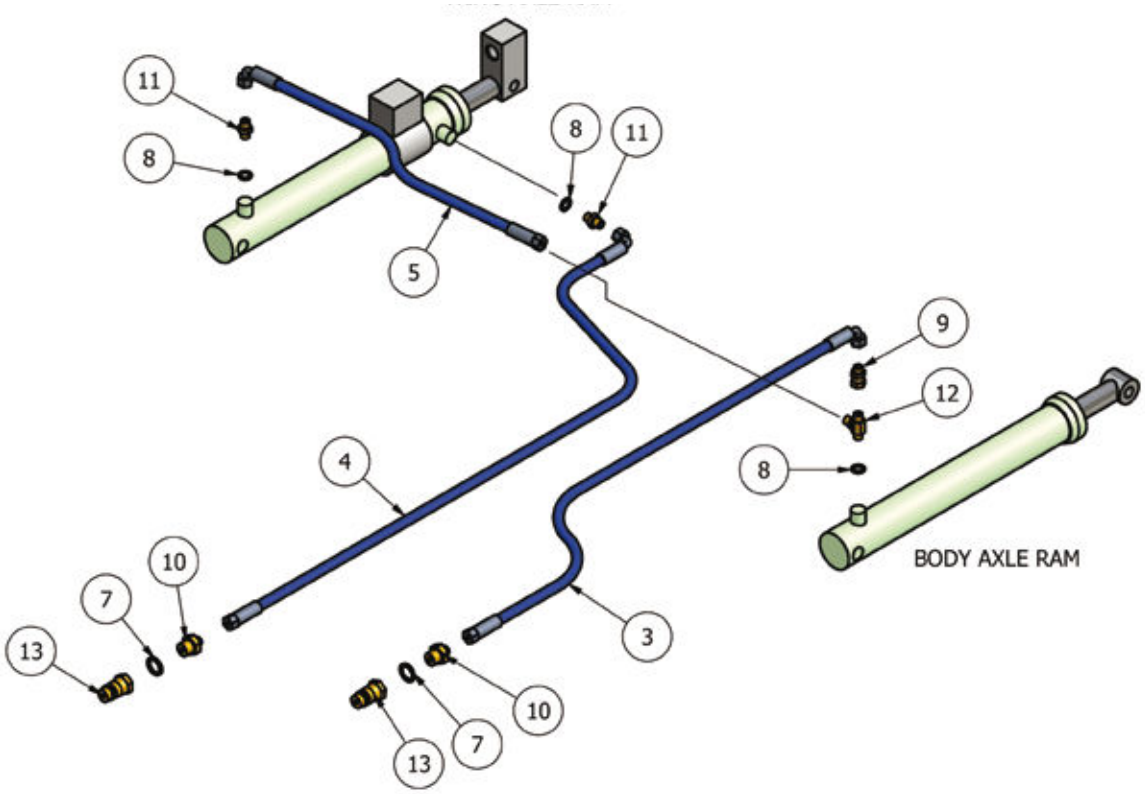
Item	Part No	Description	Qty
1	1239V2-D-BR*	1239 BLADE (Clk) (shortened blade)	1
2	12TWT-01	1200T WING FAB	1
3	SLH16AS	SKID (OFFSET)	1
4	MJ40L	6 SPLINE “L” BOX RATIO 1.47	1
5	5/8F	5/8” FINE NYLOC NUT	4
6	58x2FBZP	5/8”x2” FINE BOLT	4
7	8SM11/2	PTO GUARD (OVAL)	1
8	9TSKR	9OOT SKIRT	1
9	FWM8	M8 FLAT WASHER	4
10	M12	M12 NYLOC NUT	4
11	M12x30SZP	M12x30 SET BOLT	4
12	M8x16SZP	M8x16 SET BOLT	4
13	SW58	5/8” SPRING WASHER	4

12FTGDW-HD Drawbar

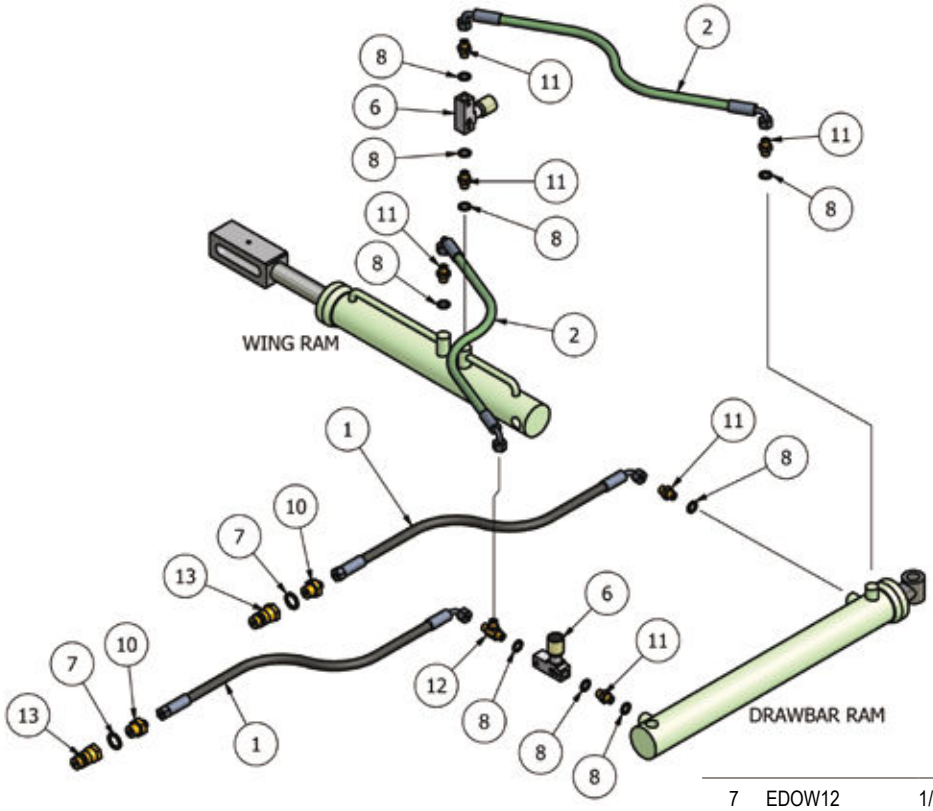


Item	Part No	Description	Qty
1	12TWTDSM	SPRING MOUNT	1
2	12TWTDST	SPRING TENSIONER	1
3	12TWTDTB	1200 SPRING TENSIONER	1
4	894T	DUMMY SHAFT MOUNT	1
5	8T-AD1	DRAWBAR HINGE	1
6	8T3	DRAWBAR FAB	1
7	RTE-01	ROTARY HITCH EYE	1
8	TT-JACK	TOPPER JACK	1
9	12MB2S	DRAWBAR SPRING	2
10	190.000.545	PTO GUARD (EXTENDED OVAL)	2
11	199211	SQ 52-54mm INSERT (POL)	2
12	1F	1" FINE NYLOC NUT	1
13	1x8FBZP	1"x8" FINE BOLT	1
14	820	GREASE NIPPLE 1/8" STR	1
15	AGC2	DIA 50 EXT HEAVY CIRCLIP	1
16	EW29A	5/8" "D" SHACKLE	2
17	FWM12	M12 FLAT WASHER	4
18	FWM16	M16 FLAT WASHER	16
19	M12	M12 NYLOC NUT	12
20	M12x150BZP	M12x150 BOLT	4
21	M12x35BZP	M12x35 BOLT	8
22	M16	M16 NYLOC NUT	18
23	M16x50BZP	M16x50 BOLT	1
24	M16x70SZP	M16x70 SET BOLT	8
25	M20HEX	M20 PLAIN NUT	2
26	MOT10	DIA 105x100 BUFFER	1
27	S272	SHAFT LOCK PIN DIA 11	1
28	S840	GREASE NIPPLE 1/8"x45	1
29	SF1-12	DIA 1 1/2" FLANGE BRG	2
30	8T1-3	DUMMY SHAFT	1
31	TDD-TEB	TOE EYE BUSH	1
32	8T19	BUFFER SPACER	2

12FTGDW-HD - Axle Hydraulics



12FTGDW-HD - Wing Hydraulics

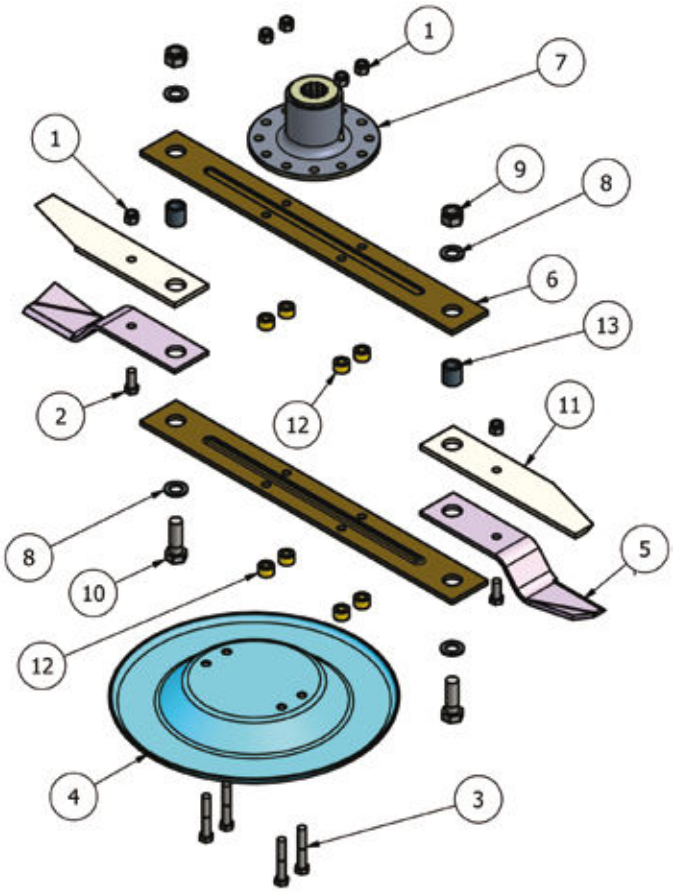


Item	Part No	Description	Qty
1	1200-HOSE-A	1/4"x3660mm Str to Block 90	2
2	1200-HOSE-B	1/4"x3400mm Block 90 to Block 90	2
3	1200-HOSE-D	1/4"x5180mm Str to Block 90	1
4	1200-HOSE-E	1/4"x8000mm Str to Block 90	1
5	1200-HOSE-F	1/4"x2900mm Str to Block 90	1
6	1251-5-14	1/4" RESTRICTOR VALVE (BLACK)	2
7	EDOW12	1/2" DOWTY WASHER	4
8	EDOW14	1/4" DOWTY WASHER	12
9	EMF14	1/4" M/F CONNECTOR	1
10	EMM1214	1/2-14" M/M CONNECTOR	4
11	EMM14	1/4" M/M CONNECTOR	8
12	EMMMT14	1/4" M/M/M CONNECTOR	2
13	EQRM12	1/2" QUICK RELEASE MALE	4

Blades

PRO-CUT BLADE SYSTEMS - from 2011

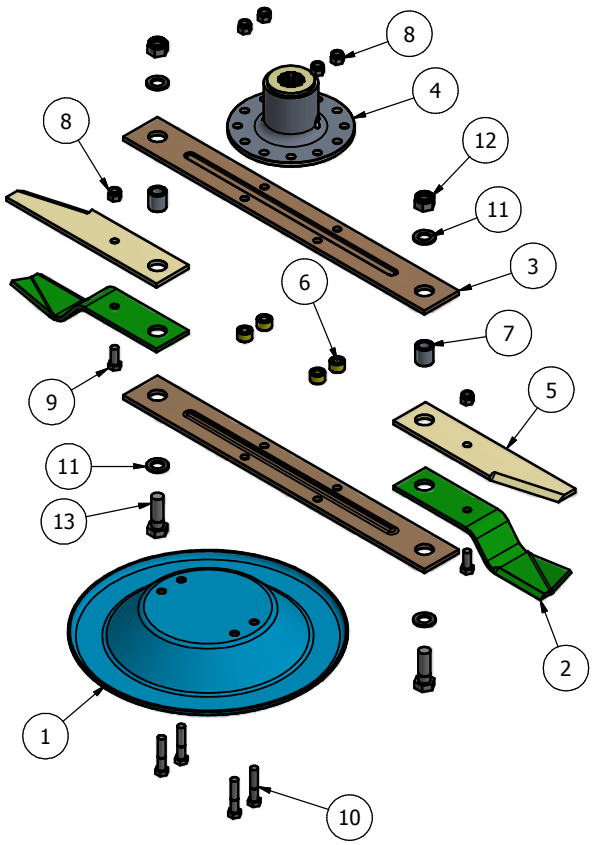
MACHINE MODEL: 8FTGD & 12FTGDW



Item	Part No	Description	Qty
1	1/2F	1/2" FINE NYLOC NUT	6
2	12x114FBZP	1/2"x1 1/4" FINE BOLT	2
3	12x3FBZP	1/2"x3" FINE BOLT	4
4	9GT-USS	UNDER SOLE SKID	1
5	**9GTB/A**	**SWING BLADE (Anti-Clk)**	**2**
5	**9GTB/C**	**SWING BLADE (Clk)**	**2**
6	BLDB-623	BLADE BACK (623 CTR)	2
7	DF-BMP	J205 G/BOX BLADE MOUNT	1
8	FWM20	M20 FLAT WASHER	4
9	M20	M20 NYLOC NUT	2
10	M20x60BZP	M20x60 BOLT	2
11	NTSB12C	OVERLAP BLADE	2
12	12T-BBS	BLADE BACK SPACER	8
13	12T-LBB	OVERLAP BLADE BUSH	2

MACHINE	QTY
8FTGD	1 clockwise 1 anti clockwise
12FTGDW	1 clockwise, 1 anti clockwise)

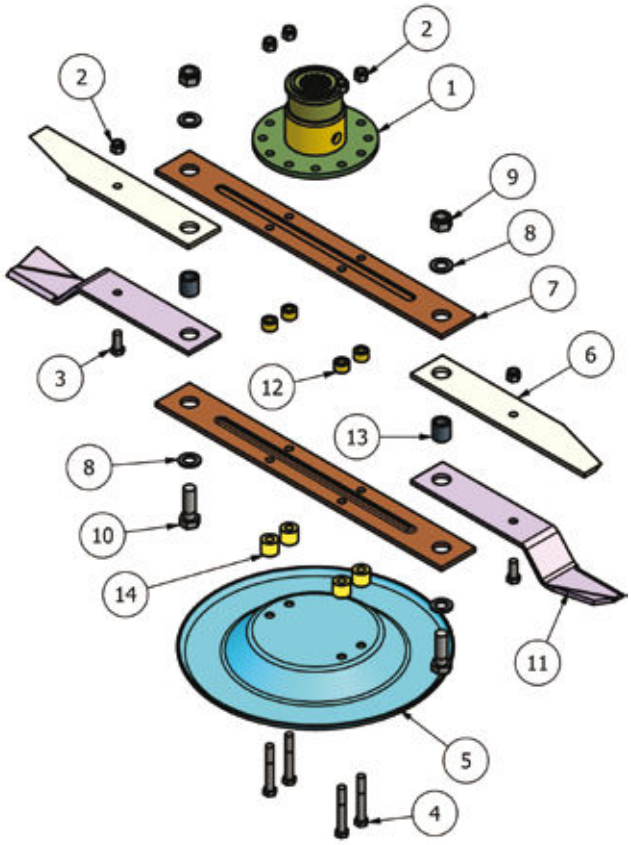
MACHINE MODEL: 12FTGDW (WING)



Item	Part No	Description	Qty
1	9GT-USS	UNDER SOLE SKID	1
2	9GTB-C	SWING BLADE (Clk)	2
3	BLDB-623	BLADE BACK (623 CTR)	2
4	DF-BMP	J205 G/BOX BLADE MOUNT	1
5	**NTSB13C**	**OVERLAP BLADE**	**2**
6	12T-BBS	BLADE BACK SPACER	4
7	12T-LBB	OVERLAP BLADE BUSH	2
8	1/2F	1/2" FINE NYLOC NUT	6
9	12x114FBZP	1/2"x1 1/4" FINE BOLT	2
10	12x212FBZP	1/2"x2 1/2" FINE BOLT	4
11	FWM20	M20 FLAT WASHER	4
12	M20	M20 NYLOC NUT	2
13	M20x60BZP	M20x60 BOLT	2

MACHINE	QTY
12FTGDW	1 clockwise,

MACHINE MODEL: 9FTGD



Item	Part No	Description	Qty
1	909GT-BM01	909GT BLADE MOUNT	1
2	1/2F	1/2" FINE NYLOC NUT	6
3	12x114FBZP	1/2"x1 1/4" FINE BOLT	2
4	12x312FBZP	1/2"x3 1/2" FINE BOLT	4
5	9GT-USS	UNDER SOLE SKID	1
6	BLD-OV375	OVERLAP BLADE 375mm	2
7	BLDB-595	BLADE BACK (595 CTR)	2
8	FWM20	M20 FLAT WASHER	4
9	M20	M20 NYLOC NUT	2
10	M20x60BZP	M20x60 BOLT	2
11	**NTSB10A1**	**601 SLASHER BLADE (Anti-Clk)**	**2**
11	**NTSB10A2**	**601 SLASHER BLADE (Clk)**	**2**
12	12T-BBS	BLADE BACK SPACER	4
13	12T-LBB	OVERLAP BLADE BUSH	2
14	84RM-BAM	BLADE BACK SPACER-PLATED	4

MACHINE	QTY
9FTGD	1 clockwise 1 anti clockwise

NOTE: Please have the serial number of your machine to hand when ordering blades to ensure you get the correct parts.

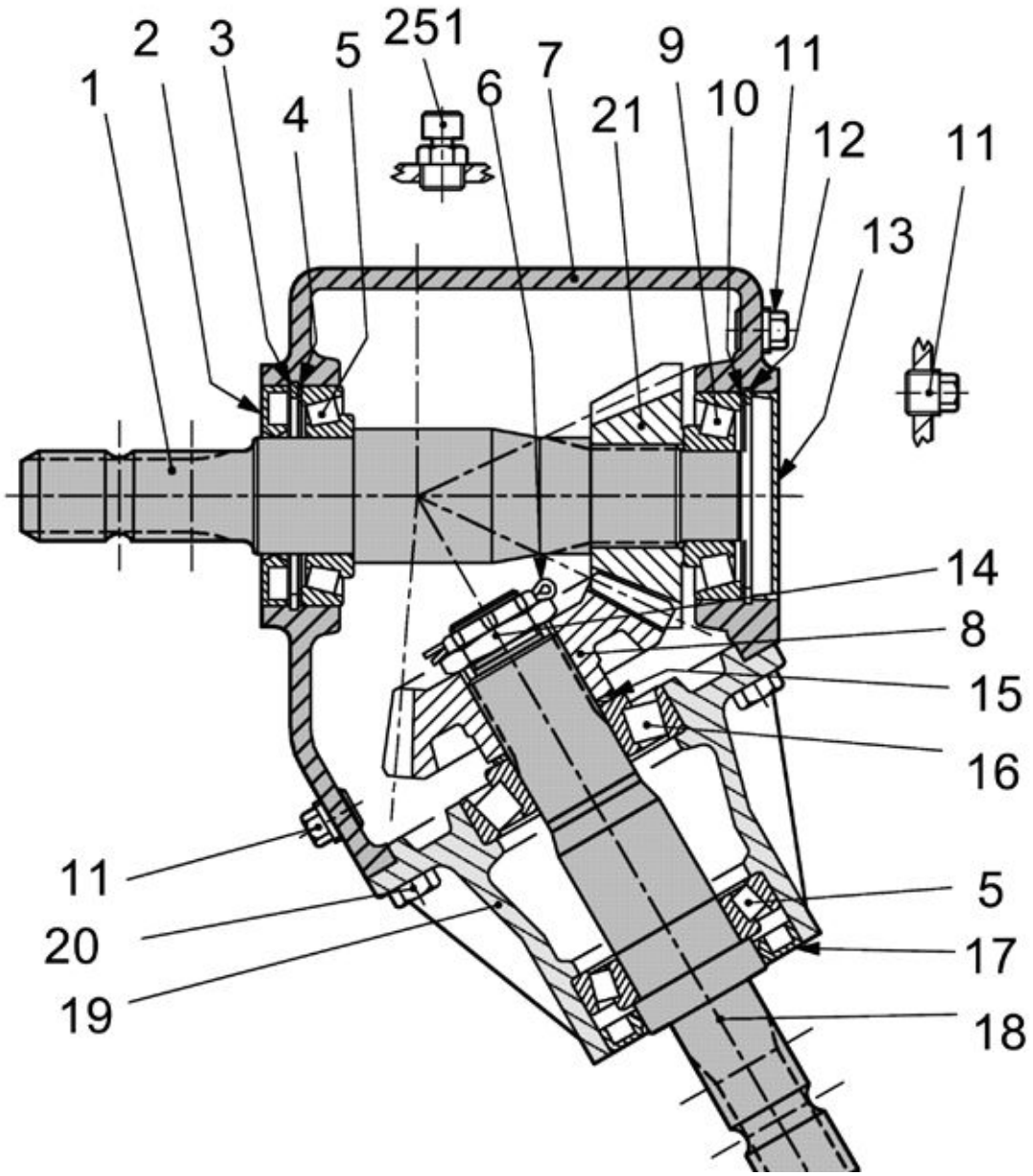
PTO Shafts

Machine	Primary	Secondary	Wing
8FTGD Trailed	V600860ENC12C12	T600810ENC12RB2 (T60BOOR-1100)	N/A
	V60 SHAFT COLLAR	T60 SHAFT OVERRUN+SHEARBOLT	N/A
9FTGD Trailed	V600860ENC12C12	T600810ENC12RB2 (T60BOOR-1100)	N/A
	V60 SHAFT COLLAR	T60 SHAFT OVERRUN+SHEARBOLT	N/A
12FTGDW Trailed	V600960CEC02C12	T600810ENC12RB2 (T60BOOR-1100)	12TW-PTO
	V60 SHAFT WIDE ANGLE	T60 SHAFT OVERRUN+SHEARBOLT	WING DRIVE PTO SHAFT COMPLETE 1200T

Gearboxes

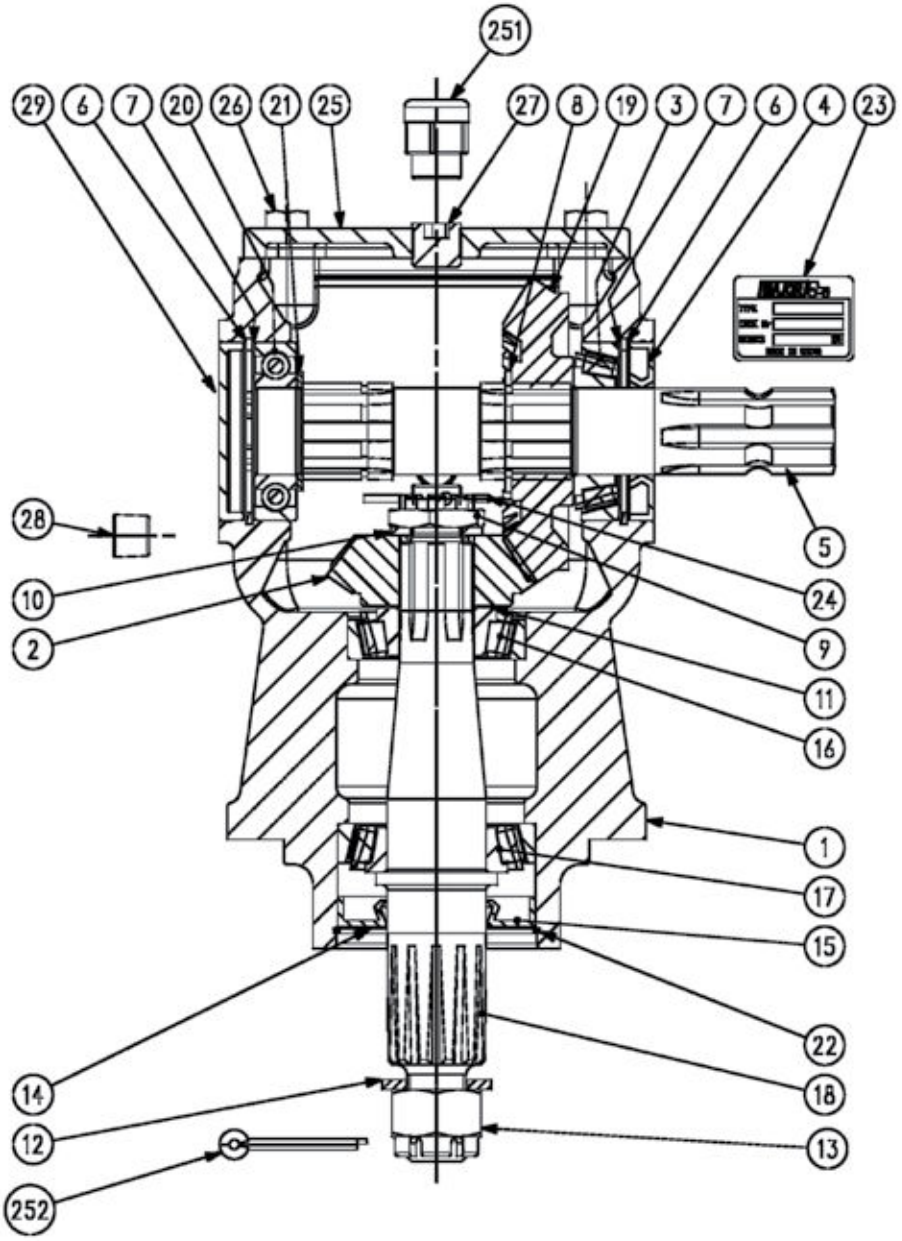
Machine	Gearbox
8FTGD-HD, 9FTGD-HD & 12FTGDW-HD	MJ40T
8FTGD-HD, 9FTGD-HD & 12FTGDW-HD	T291A
12FTGDW-HD (Wing)	MJ40T21

T291A-291.005-1.35



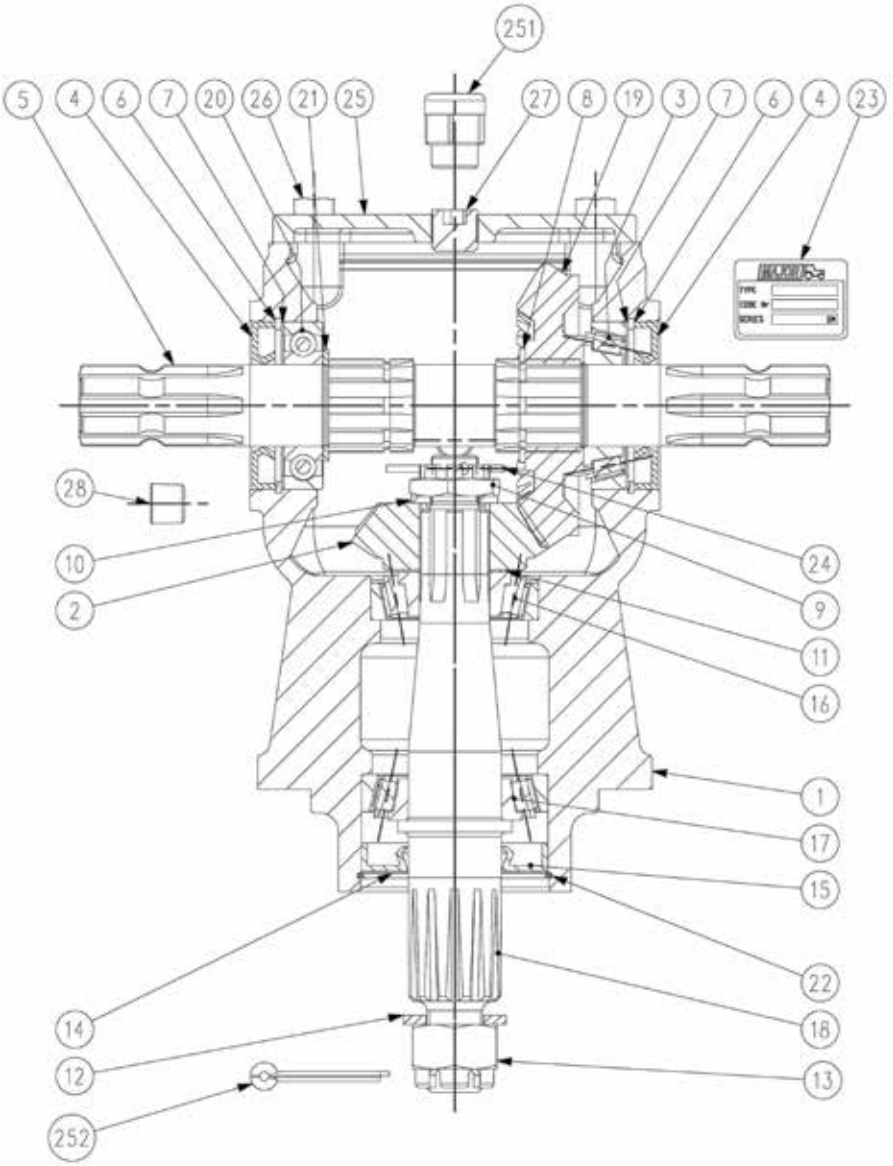
Item	Part No	Description	Qty
1	0291.3001.00	Shaft	1
2	8.7.3.00331	Oil Seal	1
3	8.5.2.00332	Snap Ring	
4	0709.7500.00	Shim	1
5	8.0.9.01186	Bearing	2
6	8.4.7.01111	Cotter Pin	1
7	0291.0301.00	Casing	1
8	0286.5001.00	Crown Wheel	1
9	8.0.9.00129	BEARING 30307	1
10	0267.7500.00	Shim	1
11	T4A/10	PLUG 3/8"GAS (8.6.5.00006)	3
12	85200030	Snap Ring	1
13	8.7.0.00790	Cap	1
14	0132.7106.00	Nut	1
15	0244.7500.00	Shim	1
16	8.0.9.00128	Bearing	1
17	8.7.3.010.96	Oil Seal	1
18	0291.2000.00	Shaft	1
19	0291.1300.00	Extension	1
20	M10x22	BOLT M10X22 8,8 (8.1.1.00501)	8
21	0286.6000.00	Pinion	1
251	8.6.7.00161	Oil Filler Plug	1

MJ40L - 347.800 - 1.47



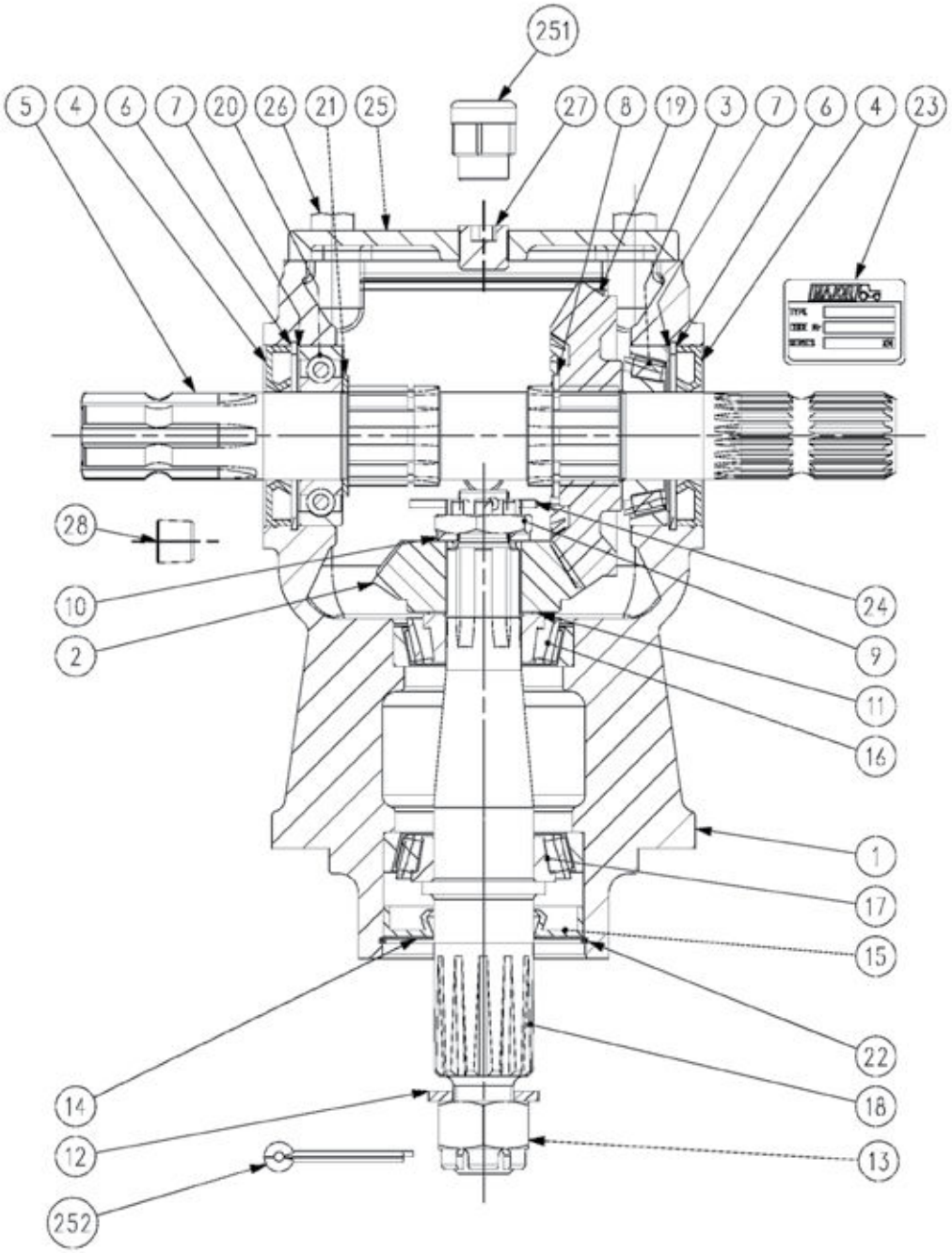
Item	Part No	Description	Qty
1	0.347.0300.00	Casting and Machining	1
2	UO.040.5004.00	Gear Pinion Z15 M5.5	1
3	8.09.00026	Roller Bearing 30207 (35x72x18.25)	1
4	8.7.3.00055	Oil Seal (35x72x10)	1
5	0.347.3002.00	Through Shaft 1"3/8 Z6	1
6	8.5.2.00131	Snap Ring (72x75x2.5 , For Holes)	2
7	0.248.7500.00	Shim Kit (60.3x71.7)	2
8	8.5.1.00680	Snap Ring (40x37.5x2.5 , For Shafts)	1
9	0.289.7102.02	Castle Nut (M20X1)	1
10	8.3.2.00531	Flat Washer (21x37x3)	1
11	0.102.7500.00	Shim Kit (30.3x44)	1
12	LF135-2	Flat Washer (25x44x4)	1
13	LF135-1	Castle Nut (M24x2)	1
14	1.135.7100.00	Protective Flat Washer (40.4x79.9x1)	1
15	8.7.1.00748	Dust Lip (40x80x12)	1
16	8.0.9.01049	Roller Bearing 30306 (30x72x20.75)	1
17	8.0.9.00024	Roller Bearing 30208 (40x80x19.75)	1
18	UO.040.3006.01	Output Shaft ASA D.P. 8/16 Z12	1
19	UO.040.6004.00	Gear Crown Z22 M5.5	1
20	8.0.1.00870	Ball Bearing 6207 (35x72x17)	1
21	0.259.7525.00	Shim (35.3x48x2.5)	1
22	8.5.3.00955	Snap Ring SB 81 (81x82.8x2)	1
23	0.205.7100.00	"Major" Name Plate	1
24	8.4.7.00823	Cotter Pin (4x40)	1
25	0.347.1300.00	Top Cover	1
26	8.11.00061	Bolt M10x25 HHB (8.8)	4
27	8.6.6.00088	1/2" Gas Solid Plug	1
28	8.6.6.00201	3/8" Gas Oil Level Plug	1
29	8.7.0.00744	Oil Cap (72x10)	1
251	8.6.7.00269	1/2" Gas Oil Breather Plug	1
252	8.4.7.00516	Cotter Pin (5x50)	1

MJ40T - 347.801 - 1.47



Item	Part No	Description	Qty
1	0.347.0300.00	Casting and Machining	1
2	U0.040.5004.00	Gear Pinion Z15 M5.5	1
3	8.0.9.00026	Roller Bearing 30207 (35x72x28.25)	1
4	8.7.3.00055	Oil Seal (35x72x10)	2
5	0.347.3000.00	Through Shaft 1”3/8 Z6 - 1”3/8 Z6	1
6	8.5.2.00131	Snap Ring (72x75x2.5 , For Holes)	2
7	0.248.7500.00	Shim Kit (60.3x71.7)	2
8	8.5.1.00680	Snap Ring (40x37.5x2.5 , for shafts)	1
9	0.289.7102.02	Castle Nut (M20x1)	1
10	8.3.2.00531	Flat Washer (21x37x3)	1
11	0.102.7500.00	Shim kit (30.3x44)	1
12	LF135-2	Flat Washer (25x44x4)	1
13	LF135-1	Castle Nut (M24x2)	1
14	1.135.7100.00	Protective Flat Washer (40.4x79.9x1)	1
15	8.7.1.00748	Dust Lip (40x80x12)	1
16	8.0.9.01049	Roller Bearing 30306 (30x72x20.65)	1
17	8.0.9.00024	Roller Bearing 30208 (40x80x19.75)	1
18	U0.040.3006.01	Output Shaft ASA D.P. 8/16 Z12	1
19	U0.040.6004.00	Gear Crown Z22 M5.5	1
20	8.0.1.00870	Ball Bearing 6207 (35x72x17)	1
21	0.259.7525.00	Shim (35.5x48x2.5)	1
22	8.5.3.00955	Snap Ring SB 81 (81x82.8x2)	1
23	0.205.7100.00	“Major” Name Plate	1
24	8.4.7.00823	Cotter Pin (4x40)	1
25	0.347.1300.00	Top Cover	1
26	8.1.1.00061	Bolt M10x25 HHB (8.8)	4
27	8.6.6.00088	1/2” Gas Solid Plug	1
28	8.6.6.00201	3/8” Gas Oil Level Plug	1
251	8.6.7.00269	1/2” Gas Oil Breather Plug	1
252	8.4.7.00516	Cotter Pin (5x50)	1

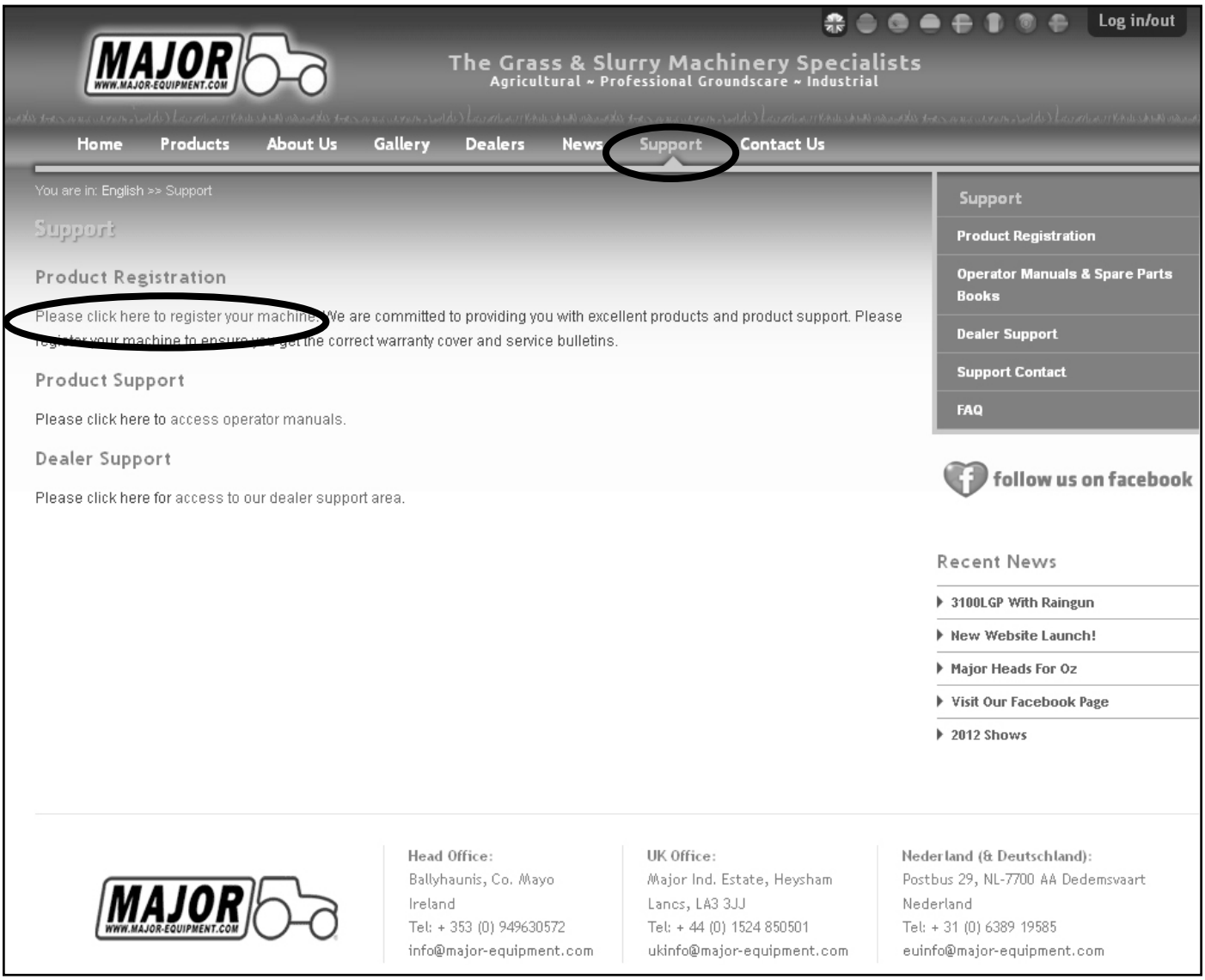
MJ40T21 - 347.802 - 1.47



Item	Part No	Description	Qty
1	0.347.0300.00	Casting and Machining	1
2	U0.040.5004.00	Gear Pinion Z15 M5.5	1
3	8.0.9.00026	Roller Bearing 30207 (35x72x18.25)	1
4	8.7.3.00055	Oil Seal (35x72x10)	2
5	0.347.3001.00	Through Shaft 1"3/8 Z6 -1"3/8 Z21	1
6	8.5.2.00131	Snap Ring (72x75x2.5 , For Shafts)	2
7	0.248.7500.00	Shim Kit (60.3x71.7)	2
8	8.5.1.00680	Snap Ring (40x37.5x2.5)	1
9	0.289.7102.02	Castle Nut (M20x1)	1
10	8.3.2.00531	Flat Washer (21x37x3)	1
11	0.102.7500.00	Shim Kit (30.3x44)	1
12	LF135-2	Flat Washer (25x44x4)	1
13	LF135-1	Castle Nut (M24x2)	1
14	1.135.7100.00	Protective Flat Washer (40.4x79.9x1)	1
15	8.7.1.00748	Dust Lip (40x80x12)	1

Item	Part No	Description	Qty
16	8.0.9.01049	Roller Bearing 30306 (30x72x20.75)	1
17	8.0.9.00024	Roller Bearing 30208 (40x80x19.75)	1
18	U0.040.3006.01	Output Shaft ASA D.P. 8/16 Z12	1
19	U0.040.6004.00	Gear Crown Z22 M5.5	1
20	8.0.1.00870	Ball Bearing 6207 (35x72x17)	1
21	0.259.7527.00	Shim (35.3x48x2.5)	1
22	8.5.3.00955	Snap Ring SB 81 (81x82.8x2)	1
23	0.205.7100.00	"Major" Name Plate	1
24	8.4.7.00823	Cotter Pin (4x40)	1
25	0.347.1300.00	Top cover	1
26	8.1.1.00061	Bolt M10x25 HHB (8.8)	4
27	8.6.6.00088	1/2" Gas Solid Plug	1
28	8.6.6.00201	3/8" Gas Oil Level Plug	1
251	8.6.7.00269	1/2" Gas Oil Breather Plug	1
252	8.4.7.00516	Cotter Pin (5x50)	1

Warranty: This machine is guaranteed for 12 months. No warranty is given where the machine is being used as a hire machine. Warranty is against faulty workmanship or parts, with the exception of components not of MAJOR'S manufacture or design, i.e. hydraulic components, universally jointed shafts, chains and tyres, etc., which are subject to the original manufacturers conditions. To register your machine for warranty, please go to the support section of our website www.major-equipment.com and enter your details.



HEAD OFFICE
Major Equipment Intl Ltd
Ballyhaunis, Co Mayo
Ireland
Tel: +353 (0) 9496 30572

UK OFFICE
Major Equipment Ltd
Major Ind. Estate, Heysham,
Lancs, LA3 3JJ, UK
Tel: +44 (0) 1524 850501

Netherlands & Germany OFFICE
Major Equipment Intl Ltd
Postbus 29, NL-7700 AA
Dedemsvaart, Nederland
Tel: + 31 (0) 6389 19585