



OPERATIONS & PARTS MANUAL

FOR MODELS:

- BE-DPS125
- BE-DP(S)155
- BE-DP(S)175
- BE-DP(S)205
- BE-DP(S)220

PURCHASE DATE	MODEL NO.	SERIAL NUMBER
DEALER		



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Safety at all times

Thoroughly read the instructions given in this manual before operation. Refer to the “Safety Decals” and read the instructions given in this manual before operation. Refer to the “Safety Decals” and read all instructions noted on them. Do not allow anyone to operate this equipment who has not fully read and comprehended this manual and who has not been properly trained in the safe operation of the equipment.

- Operator should be familiar with all functions of the unit.
- Operate implement from the driver’s seat only.
- Make sure all guards and shields are in place and secured before operating the implement.
- Do not leave tractor or implement unattached with engine running.
- Dismounting from a moving tractor could cause serious injury or death.
- Do not stand between tractor and implement during hitching.
- Keep hands, feet and clothing away from power-driven parts.
- Wear snug fitting clothing to avoid entanglement with moving parts.
- Watch out for wires, trees, etc. when raising implement. Make sure all persons are clear of working area.
- Turning tractor too tight may cause implement to ride up on wheels. This could result in injury or equipment damage.

Look For the Safety Alert Symbol!

The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety and extra safety precautions must be taken. When you see this symbol, be alert and carefully read the message that follows it.

In addition to design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.

Be Aware of Signal Words!

A signal word designates a degree or level of hazard seriousness. The signal words are:

DANGER!

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations, typically for machine components that, for functional purpose, cannot be guarded.

WARNING!

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION!

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury, it may result in minor or moderate injury. It may also be used to alert against unsafe practices.

For Your Protection

- Thoroughly read the “Safety Label” section. Read all instructions as noted.

Shutdown and Storage

- Lower machine to ground, put tractor in park, turn off engine and remove ignition key.
- Detach and store implements in an area away from children. Secure implement with blocks and supports.

Use Safety Lights and Devices

- Slow moving tractors, self-propelled equipment and towed implements can create a hazard when driven on public roads. They are difficult to see especially at night.
- Flashing warning lights and turn signals are recommended whenever driving on public roads. Use lights and devices provided with implement.



Transport Machinery Safely

- Comply with state and local laws.
- Maximum transport speed for implement is 20 mph. Do not exceed. Never travel at a speed which does not allow adequate control of steering and stopping. Some rough terrain a slower speed.
- Sudden braking can cause a towed load to swerve and upset. Reduce speed if towed load is not equipped with brakes.
- Use the following maximum speed - tow load weight ratios as guideline:
- 20 mph when weight is less than or equal to the weight of tractor.
- 10 mph when weight is double the weight of tractor.

IMPORTANT: Do not tow a load that is more than double the weight of tractor.

Keep Riders Off Machinery

- Riders obstruct the operator's view and could be struck by foreign objects or thrown from the machine.
- Never allow children to operate equipment.

Practice Safe Maintenance

- Understand procedure first, Use proper tools and equipment. Refer to Operator's Manual for additional information.
- Work in a clean dry area.
- Lower the implement to the ground, put tractor in park, turn off the engine and remove the key before performing maintenance.
- Allow implement to cool completely
- Do not grease or oil implement while it is operation.
- Inspect all parts. Make sure parts are in good condition and installed properly.
- Remove buildup of grease, oil or debris.
- Remove all tools and unused parts from implement before operation.

Prepare For Emergencies

- Be prepared if a fire starts.
- Keep a first aid kit and fire extinguisher handy.
- Keep emergency numbers for police, ambulance and fire department near phone.

Wear Protective Equipment

- Protective clothing and equipment should be worn.
- Wear clothing and equipment appropriate for the job. Avoid loose fitting clothing.
- Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as earmuffs or earplugs.
- Operating equipment safely requires the full attention of the operator. Avoid wearing headphones while operating machinery.

Avoid High Pressure Fluids Hazard

- Escaping fluid under pressure can penetrate the skin causing serious injury.
- Avoid the hazard by relieving pressure before disconnecting hydraulic lines.
- Use a piece of paper or cardboard, not body parts, to check for suspected leaks. Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
- If an accident occurs, seek medical attention immediately. Any fluid injected into the skin must be treated within a few hours or gangrene may result.



Safety Labels

Your Flail Mower comes equipped with all safety labels in place. They are designed to help you safely operate your implement. Read and follow their directions.

1. Keep all safety labels clean and legible.
2. Refer to this section for proper label placement.

To install new labels:

1. Clean the area where the label is to be placed.
2. Spray soapy water on surface where the label is to be placed.
3. Peel backing from label. Press firmly onto the surface.
4. Squeeze out air bubbles with the edge of a credit card.



INTRODUCTION

Braber Equipment welcomes you to the growing family of new product owners. This implement has been designed with care and built by skilled workers using quality materials. Proper assembly, maintenance and safe operating practices will help you get years of satisfactory use from the machine.

Application

The Flail Mowers are designed for category 1 3-PT Hitch or quick-hitch system mounting. These Fixed Bar Flail Mowers are ideal for ripping, leveling, finish grading and backfilling applications at feedlots, outdoor arenas, building sites and maintenance operations on farms and roadways.

Using This Manual

- This Operator's Manual is designed to help familiarize you with a safety, assembly, operation, adjustments, troubleshooting and maintenance. Read this manual and follow the recommendations to help ensure safe and efficient operation.
- The information over time to assure you of the best performance.

Terminology

"Right" or "Left" as used in this manual is determined by facing the direction the machine will operate while in use unless otherwise stated.



Definitions

Note: A special point of information that the operator must be aware of before continuing.

Important: A special point of information related to its preceding topic. The intention is that this information should be read and noted before continuing.

Owner Assistance

The Warranty Registration card should be filled out by the dealer at the time of purchase. This information is necessary to provide you with quality customer service. If customer service or repair parts are required, contact a dealer. A dealer has trained personnel, repair and equipment needed to service the machine. The parts on your machine have been specially designed and should only be replaced with genuine parts.

Serial Number Plate

For prompt service always use the serial number and model number when ordering parts from your dealer. Be sure to include your serial and model numbers in correspondence also.

ASSEMBLY & SET-UP

Tractor Requirements

This mower is designed with a 3-PT category! Hitch. Tractor horse power rating should not exceed 80 PTO horse power.

Assembly

Refer to the parts illustration.

Tractor Hook-Up

1. Be certain that tractor draw bar will not interfere. Move draw bar ahead or remove if required. Draw bar should also be checked for clearance when unit is being raised for the first time.
2. Align lower link arms of tractor to hitch clevises on mower. Insert lower hitch pins into lower ball swivels and attach lynch pins.
3. Attached tractor top link to upper floating hitch on mower with pin supplied. Secure with lock pin.
4. Adjust tractor top link in or out to place upper hitch pin vertically above slightly behind lower hitch pins to allow mower flotation. The mower should be run with the back 15 degrees lower than the front.

Driveline Installation

1. Slide driveline end with extended safety cone over splined shaft of gearbox and secure with attaching device.
2. Slide driveline over tractor's splined PTO shaft secure with locking device.
3. Driveline should now be moved back and forth to ensure that it is secure on the PTO shaft of the tractor and mower gearbox.
4. Attach chain from the driveline shield to one of the upper hitch braces to ensure that the shield does not rotate.
5. Should driveline require shortening:
 - Hold half-shafts next to each other in the shortest working position and mark them.
 - Shorten inner and outer guard tubes equally.
 - Shorten inner and outer sliding profiles by the same length as the guard tubes.
 - Proper overlap is a minimum of one-half the length of each tube, with both tubes being of equal length.
 - Round off all sharp edges and remove burrs. Grease sliding profiles.

CAUTION!

Tractor PTO shield and all mower guards must be in place at all times during operation!



OPERATING INSTRUCTIONS

Transporting

Note: Always disengage PTO before raising mower to transport position.

1. When raising the mower to transport position, be sure that driveline does not contact tractor or mower. Adjust and set the tractor 3PT hitch lift height so that the driveline does not contact mower deck in the fully raised position.
2. Be sure to reduce tractor ground speed, when turning, leaving enough clearance so that the mower does not contact obstacles such as buildings, trees or fences.
3. Select a safe ground travel speed when transporting from one area to another. When traveling on roadways, transport in such a way that faster moving vehicles may pass safely.
4. When traveling over rough or hilly terrain, shift tractor to a lower gear.

CAUTION!

When traveling on public roads, whether at night or during the day, use accessory lights and devices to adequately warn operators of other vehicles. Comply with all federal, state and local laws.

Mowing Instructions

1. Clear area to be mowed of objects and debris that might be picked up and thrown by the mower blades.
2. Grass is best cut when it is dry. Mowing wet grass can cause plugging resulting in grass clumps behind the mower.
3. Grass should be mowed frequently as shorter clippings deteriorate faster.
4. If mowing extremely tall grass, it is best to raise cutting height and mow the area, then lower cutting height and mow a second time at the desired height.

Operating Instructions

Proper servicing and adjustments are the key to the long life of any machine. With careful and systematic inspection of the mower, costly maintenance, time and repair can be avoided.

Before beginning to mow, the following inspection should be performed:

1. Check oil level in gearbox.
2. Check that all plugs in gearbox have been replaced and tightened properly.
3. Be sure all mower knives, bolts and nuts are tight.
4. Be certain all guards and shields are in place and secure.
5. Grease driveline shaft and all other grease fittings.
6. Clear area to be mowed of rocks, branches and other foreign objects.
7. Lower mower to ground. Set tractor throttle at approximately 1/4 open. Engage PTO to start blades rotating.
8. Operate with 540 RPM PTO
9. Begin mowing at a slow forward speed and shift up until the desired speed is achieved, maintaining 540 PTO RPM.
10. Mower knives will cut better at a faster blade speed than at reduced throttle.
11. After mowing the first 50 feet, stop and check to see that the mower is adjusted properly.
12. Do not make sharp turns or attempt to back up while mower is on the ground.
13. Do not engage PTO with mower in the fully raised position. Do not engage PTO at full throttle.



ADJUSTMENTS

Leveling the Mower

Note: Tractor and mower should be on level ground. Leveling can be adjusted at the tractor's 3PT arms and center link.

Cutting Height Adjustment

The machine's cutting height depends on the position of the rear roller.

1. Remove the bolts that fix the roller on both sides.
2. Lift lower both sides of rollers in equal measurements.
3. Replace bolts and re-tighten.

3PT Hitch Adjustments

The 3PT hitch system on this mower has been designed for front to back flotation when mowing on uneven terrain. Adjust tractor's top center link to place the upper hitch pin vertically above or slightly behind the lower hitch pins. The mower should be run with the back 15 degrees lower than the front. The hitch can also be adjusted from side to side by turning the adjustment handle. Turn handle until you have achieved your desired location.

CAUTION!

Engage parking brake, shut off tractor, remove key and disengage PTO before making any height adjustments!

Belt Tension

CAUTION!

Belt drive system under spring tension; use care to avoid bodily harm!

The belt tension should be checked after the first 20 hours of use and then every 40 hours of use. 1. Tension on the belt can be adjusted with the belt tension bolt. Turn bolt until desired tension is achieved. When the belt has the correct tension, the gearbox should be adjusted so that the gearbox extension is running straight (parallel) with the flail mower. Loosen bolts at the bottom of the gearbox and move gearbox until gearbox extension is running straight.

CAUTION!

Excessive tension on the belt may lead to premature failure of belt and drive components.

Excessive tension on the belt may also to safety hazard to the operator or bystanders.

MAINTENANCE & LUBRICATION

Proper servicing and adjustment are the key to the long life of any farm implement. With careful and systematic inspection, you can avoid costly maintenance, time and repair.

⚠ CAUTION!

For safety reasons, each maintenance operation must be performed with tractor PTO disengaged, Mower lowered completely to ground and tractor engine shut off with ignition key removed.

- After using the mower for several hours, check all bolts to be sure they are tight and check drive belt tension.
- Replace any worn, damaged or illegible safety decals by obtaining new decals from dealer.

Knife Replacement

Important: Make sure that the knife is the same length as the others on the mower. This will keep the rotor rotation balanced.

1. Remove bolt and nut.
2. Remove old knife.
3. Install new knife and existing bolt.
4. Secure with nut.

⚠ CAUTION!

Belt drive system under spring tension; use care to avoid bodily harm!

1. Remove belt guard fender and belt cover.
2. Disengage belt tension by loosening belt tension bolt until belt can be removed.
3. With tension relieved from belt remove old belt from pulleys.
4. Tighten belt tension bolt.
5. Re-install belt guard and belt guard fender.

Storage

At the end of the working season or when the mower will not be used for a long period, it is good practice to clean off any dirty or grease that may have accumulated on the mower and any of moving parts.

1. Clean as necessary.
2. Check knives for wear and replace if necessary.
3. Inspect mower for loose, damage or worn parts and adjust or replace as needed.
4. Store unit inside, if possible, for longer life.
5. Repaint parts where paint is worn or scratched to prevent rust.
6. Replace all damaged or missing decals.



Driveline Shaft U-Joints

Type of lubrication: Multi-purpose grease



Roller Bearing (Both Ends)

Type of lubrication: Multi-purpose grease



Cutter Rotor Bearing (Both Ends)

Type of lubrication: Multi-purpose grease



Gearbox

Type of lubrication: SAE 90W gear lube

Check oil level in gearbox by removing the plug located on the right hand side. Oil should be level with bottom of plug hole. Add oil if necessary by removing top fill plug and side plug. Add oil until it flows from side plug hole. **DO NOT OVERFILL!**

IMPORTANT: Mower should be level when checking oil in gearbox.



Driveline Profiles

Type of lubrication: Multi-purpose grease

SPECIFICATIONS & CAPACITIES

MODEL	DPS125	DPS155	DPS175	DPS205	DPS220
Structure Weight	300 kg	330 kg	360 kg	308 kg	410 kg
Working Width	125 cm	155 cm	175 cm	205 cm	220 cm
Blade Type & Numbers	20 hammers	24 hammers	28 hammers	32 hammers	32 hammers
Hitch Type	Standard 3PT Hitch				
Power Required	40-80 hp	40-80 hp	40-80 hp	60-80 hp	60-100 hp

MODEL	DP155	DP175	DP205	DP220
Hydraulic Movement	450 mm	450 mm	450 mm	450 mm
Working Width	380 kg	410 kg	430 kg	460 kg
Working Width	155 cm	175 cm	205 cm	220 cm
Blade Type & Numbers	24 hammers	28 hammers	32 hammers	32 hammers
Hitch Type	Standard 3PT Hitch			
Power Required	40-80 hp	40-80 hp	60-80 hp	60-100 hp

⚠ CAUTION!

Do not try to clean rear discharge are when mower is running. Bodily harm may occur!



TROUBLESHOOTING

PROBLEM	SOLUTION
Belt Slipping	Unplug and clean mower deck. Remove belt guard shields and clean sheaves. Replace belt.
Patches Of Uncut Grass	Mow at full throttle (540 PTO RPM) Check PTO speed and tractor engine. Shift transmission to a lower gear. Tighten belts. Replace missing knives.
Excessive Vibration	Replace knives. Replace drive belt. Replace drive belt. Replace pulley's or align. Remove belt guard shields & clean debris from belt area & sheaves.
Gearbox Noisy	Check lubricant level.
Knives Scalping Grass	Raise cutting height by adjusting roller. Change mowing pattern. Reduce speed turns.
Uneven Cut	Shift to a lower gear. Level Mower. Replace missing knives.
Tractor Loaded Down By Mower	Mow at full throttle (540 PTO RPM). Shift to a lower gear. Clean mower.

APPENDIX

Bolt Torque

The tables shown below give correct torque values for various bolts and cap screws.

Tighten all bolts to the torques specified unless otherwise noted. Check tightness of bolts periodically, using bolt torque chart as a guide. Replace hardware with the same strength bolt.

English Torque Specification

BOLT DIAMETER	SAE 2		SAE 5		SAE 8	
	N.M	LB-FT	N.M	LB-FT	N.M	LB-FT
1/4"	8	6	12	9	17	12
5/16"	13	10	25	19	36	27
3/8"	27	20	45	33	63	45
7/16"	41	30	72	53	100	75
1/2"	61	45	110	80	155	115
9/16"	95	60	155	115	200	165
5/8"	128	95	215	160	305	220
3/4"	225	165	390	290	540	400
7/8"	230	170	570	420	880	650

Metric Torque Specifications

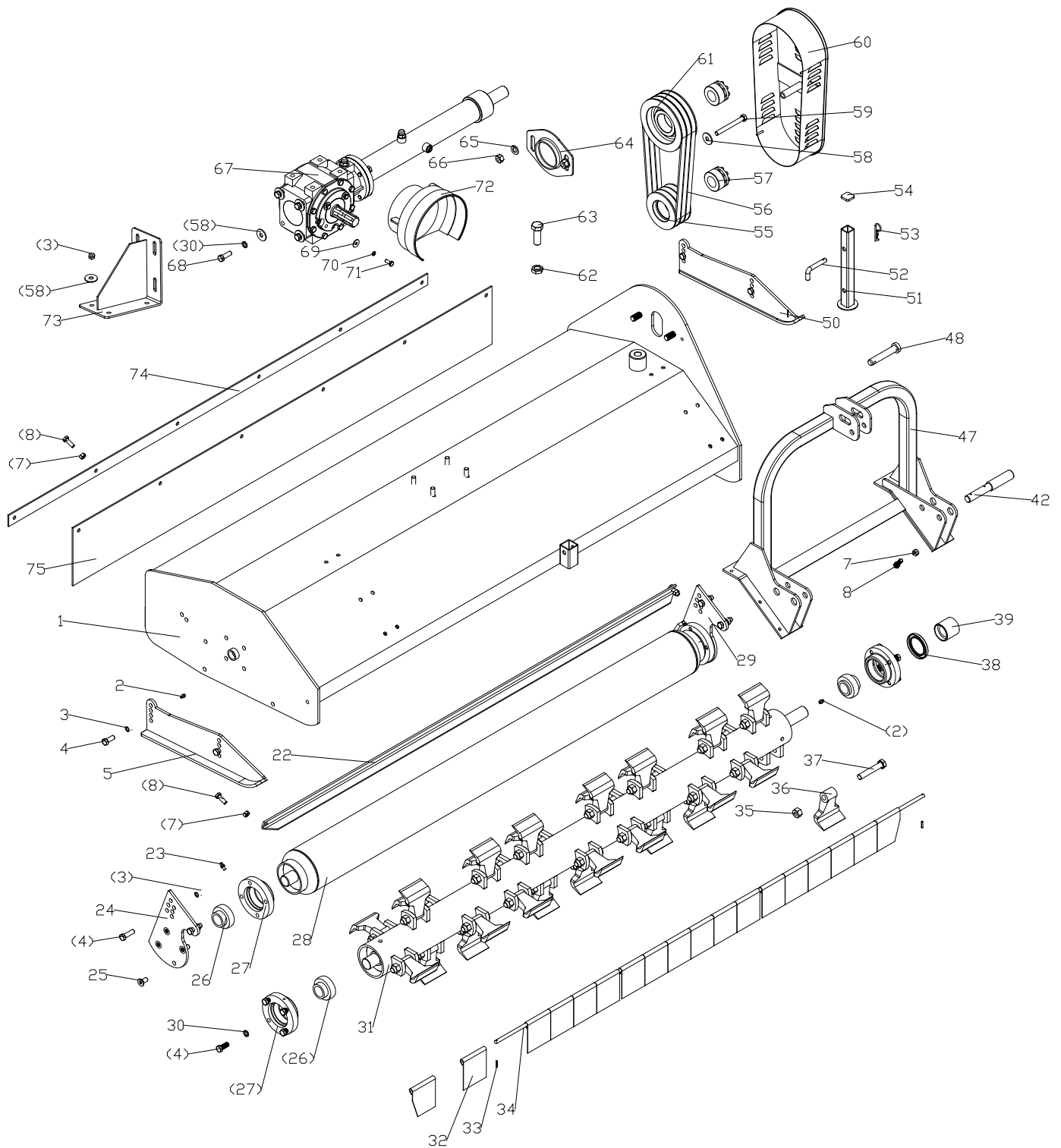
BOLT DIAMETER	8.8		10.9	
	N.M	LB-FT	N.M	LB-FT
M3	0.5	0.4	1.8	1.3
M4	3	2.2	4.5	3.3
M5	6	4	9	7
M6	10	7	15	11
M8	25	18	35	26
M10	50	37	70	52
M12	90	66	125	92
M14	140	103	200	148
M16	225	166	310	229
M20	435	321	610	450
M24	750	553	1050	744
M30	1495	1103	2100	1550
M36	2600	1917	3675	2710

Torque figures indicated above are valid for non-greased or non-oiled threads and heads otherwise specified. Therefore, do not grease or oil bolts or cap screws unless otherwise specified in this manual. When using locking elements, increase torque value by 5%.



EXPLODED VIEW & PARTS LISTS

DPS FLAIL MOWER ASSEMBLY



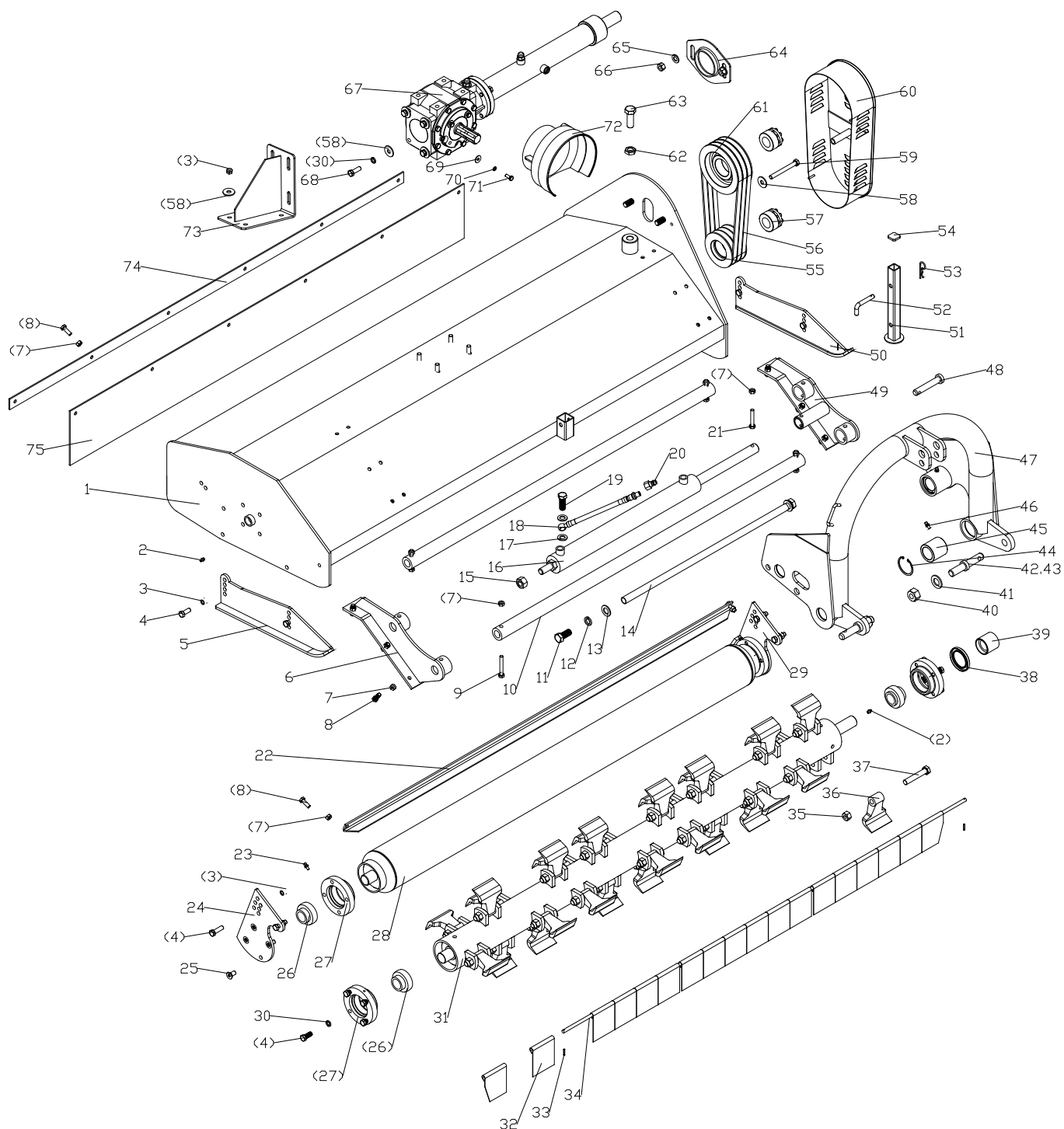
DPS FLAIL MOWER ASSEMBLY

REF	PART NUM	DESCRIPTION	QTY
1	DPS175.013	The cover weldment	1
2	GB1152-89/M8X1	Oil cup M8X1	2
3	GB6184-86/M12	Locking nut M12	8
4	GB5783-86/ M12X30	Bolt M12x30	16
5	DP175.015	Base plate (R)	1
7	GB6184-86/M10	Locking nut M10 (DPS 155)	20
		(DPS175)	20
		(DPS205)	21
8	GB5783-86/ M10X30	Bolt M10x30 (DPS 155)	20
		(DPS175)	20
		(DPS205)	21
22	DP175.102	Mud shield	1
23	JB/T7940.2-95/ M6	Oil cup M6	2
24	DP175.018	Supporting for roller (L)	1
25	GB70.3-2000/ M12X25	Hex. head bolt M12X25	8
26	UC207-Z	Flange UC207-Z	4
27	EFGC125.115	Bearing	4
28	DP175.020	Roller weldment	1
29	DP175.019	Supporting for roller (R)	1
30	GB93-87/12	Spring washer 12	12
31	EFGC125.018	Blade axle weldment	1
32	EFGC125.113	Fender (DPS 155)	16
		(DPS175)	18
		(DPS205)	21
33	GB879-86/4X22	Elastic cylindrical pin 4x22	2
34	EFGC125.104	Shaft for fender	1
35	GB6184-86/ M16X1.5	Locking nut M16X1.5 (DPS 155)	24
		(DPS175)	28
		(DPS205)	32
36	EFGC125.122A	Blade (DPS 155)	24
		(DPS175)	28
		(DPS205)	32
37	GB5785-2000	Bolt M16X1.5X90 (DPS 155)	24
		(DPS175)	28
		(DPS205)	32

REF	PART NUM	DESCRIPTION	QTY
38	GB13871- 94/55X80X8	Oil seal FB55X80X8	1
39	EFGC125.116	Oil-sealing sleeve	1
42	BM30.102	Pin for lifting	2
47	DPS175.011	Hanging weldment	1
48	EFGC125.123	Pin shaft	1
50	DP175.014	Base plate (L)	1
51	DP175.107	Supporting frame	1
52	1G135.00.107	Bent pin	1
53	EFGC125.110	R pin	1
54	EFGC125.112	Cover	1
55	EFGC125.117A	Small belt pulley	1
56	GB/T1154-97/ SPB991	Strap SPB991	4
57	JB/ T7934Z3/35X60	Swellable sleeve	2
58	GB96-85/12	Plain washer 12	5
59	GB5782-86/ M12X120	Bolt M12X130	1
60	EFGC125.012	Belt cover	1
61	EFGC125.121A	Big belt pulley	1
62	GB6173-86/ M20x1.5	Nut M20x1.5	1
63	GB5786-86/ M20X1.5X55	Bolt M20X1.5X55	1
64	EFGC125.120	Tension plate	1
65	GB97.1-85/14	Plain washer 14	2
66	GB6184-86/M14	Locking nut M14	2
67	DP175.022	Gearbox assembly	1
68	GB5783-86/ M12X35	Bolt M12x35	4
69	GB96-85/8	Plain washer 8	4
70	GB93-87/8	Spring washer 8	4
71	GB5783-86/ M8X20	Bolt M8x20	4
72	DP175.104	Guard shade	1
73	EFGC125.024	Gearbox support	1
74	DP175.106	Press plate	1
75	DP175.105	Rubber plate	1



DP FLAIL MOWER PARTS LIST

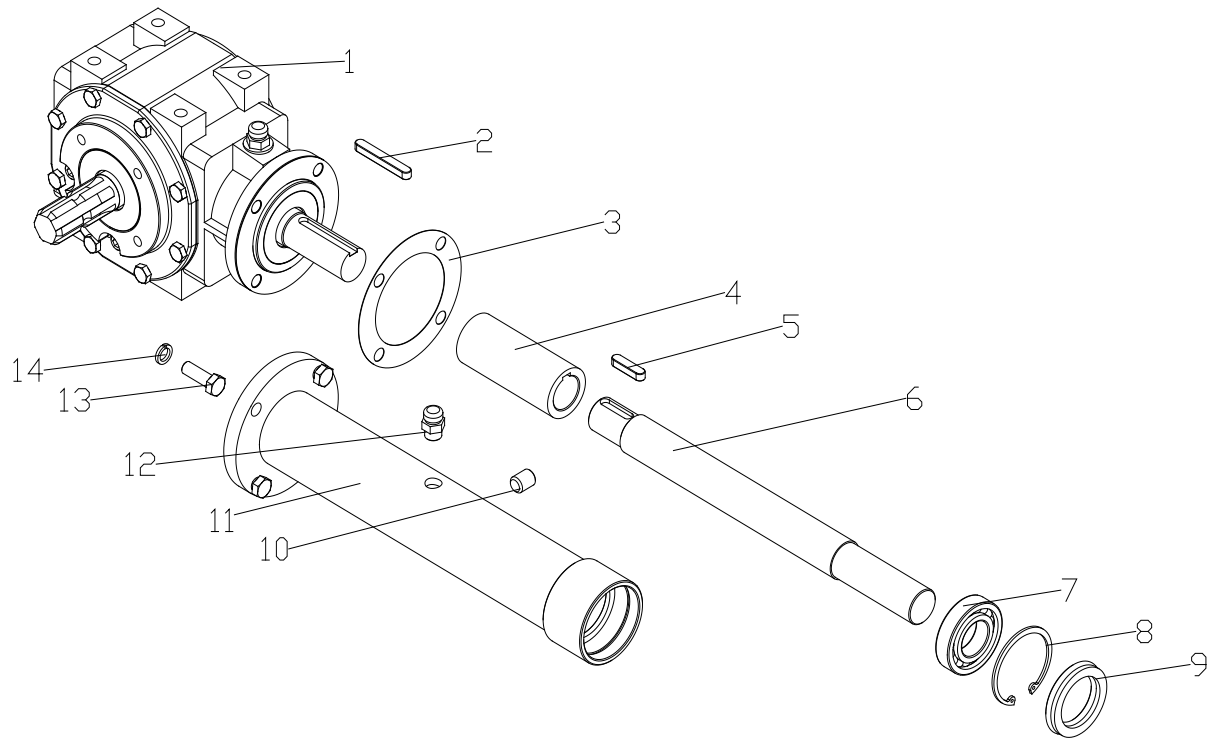


DP FLAIL MOWER PARTS LIST

REF	PART NUM	DESCRIPTION	QTY
1	DP175.013	The cover weldment	1
2	GB1152-89/M8X1	Oil cup M8X1	2
3	GB6184-86/M12	Locking nut M12	12
4	GB5783-86/M12X30	Bolt M12x30	16
5	DP175.015	Base plate (R)	1
6	DP175.021	Connecting bracket(L)	1
7	GB6184-86/M10	Locking nut M10 (DP155)	25
		(DP175)	25
		(DP205)	26
8	GB5783-86/M10X30	Bolt M10x30 (DP155)	20
		(DP175)	20
		(DP205)	21
9	GB5782-86/M10X70	Bolt M10x70	4
10	DP175.103	Guide rail	2
11	GB5783-86/M18X40	Bolt M18x40	2
12	GB93-87/18	Spring washer 18	2
13	GB97.1-85/18	Plain washer 18	2
14	DP175.101	Supporting tube	2
15	GB6184-86/M20	Locking nut M20	1
16	DP175.016	Slippage cylinder	1
17	GB3451-86/16	Washer 16	4
18	DP175.017	Oil pipe	2
19	GB3451/M16X1. 5X30	Bolt M16X1.5X30	2
20	EFGCH125.013	Quick connector R1/2"	2
21	GB5782-86/M10X60	Bolt M10x60	1
22	DP175.102	Mud shield	1
23	JB/T7940.2-95/M6	Oil cup M6	2
24	DP175.018	Supporting for roller (L)	1
25	GB70.3-2000/M12X25	Hex. head bolt M12X25	8
26	UC207-Z	Flange UC207-Z	4
27	EFGC125.115	Bearing	4
28	DP175.020	Roller weldment	1
29	DP175.019	Supporting for roller (R)	1
30	GB93-87/12	Spring washer 12	12
31	EFGC125.018	Blade axle weldment	1
32	EFGC125.113	Fender (DP155)	16
		(DP175)	18
		(DP205)	21
33	GB879-86/4X22	Elastic cylindrical pin 4x22	2
34	EFGC125.104	Shaft for fender	1
35	GB6184-86/M16X1.5	Locking nut M16X1.5 (DP155)	24
		(DP175)	28
		(DP205)	32
36	EFGC125.122A	Blade (DP155)	24
		(DP175)	28
		(DP205)	32

REF	PART NUM	DESCRIPTION	QTY
37	GB5785-2000/M16X1.5X90	Bolt M16X1.5X90 (DP155)	24
		(DP175)	28
		(DP205)	32
38	GB13871-94/55X80X8	Oil seal FB55X80X8	1
39	EFGC125.116	Oil-sealing sleeve	1
40	GB6184-86/M22X1.5	Locking nut M22X1.5	2
41	GB97.1-85/22	Plain washer 22	2
42	EFGCH125.103	Pin for lifting	2
43	EFGCH125.102	Lockpin	2
44	GB893.1-86/60	Circlip 60	4
45	EFGCH125.107	Nylon bush	4
46	GB1152-89/M6	Oil cup M6	4
47	DP175.011	Hanging weldment	1
48	EFGC125.123	Pin shaft	1
49	DP175.012	Connecting bracket(R)	1
50	DP175.014	Base plate (L)	1
51	DP175.107	Supporting frame	1
52	1G135.00.107	Bent pin	1
53	EFGC125.110	R pin	1
54	EFGC125.112	Cover	1
55	EFGC125.117A	Small belt pulley	1
56	GB/T1154-97/SPB991	Strap SPB991	4
57	JB/T7934Z3/35X60	Swellable sleeve	2
58	GB96-85/12	Plain washer 12	9
59	GB5782-86/M12X120	Bolt M12X130	1
60	EFGC125.012	Belt cover	1
61	EFGC125.121A	Big belt pulley	1
62	GB6173-86/M20x1.5	Nut M20x1.5	1
63	GB5786-86/M20X1.5X55	Bolt M20X1.5X55	1
64	EFGC125.120	Tension plate	1
65	GB97.1-85/14	Plain washer 14	2
66	GB6184-86/M14	Locking nut M14	2
67	DP175.022	Gearbox assembly	1
68	GB5783-86/M12X35	Bolt M12x35	4
69	GB96-85/8	Plain washer 8	4
70	GB93-87/8	Spring washer 8	4
71	GB5783-86/M8X20	Bolt M8x20	4
72	DP175.104	Guard shade	1
73	EFGC125.024	Gearbox support	1
74	DP175.106	Press plate	1
75	DP175.105	Rubber plate	1

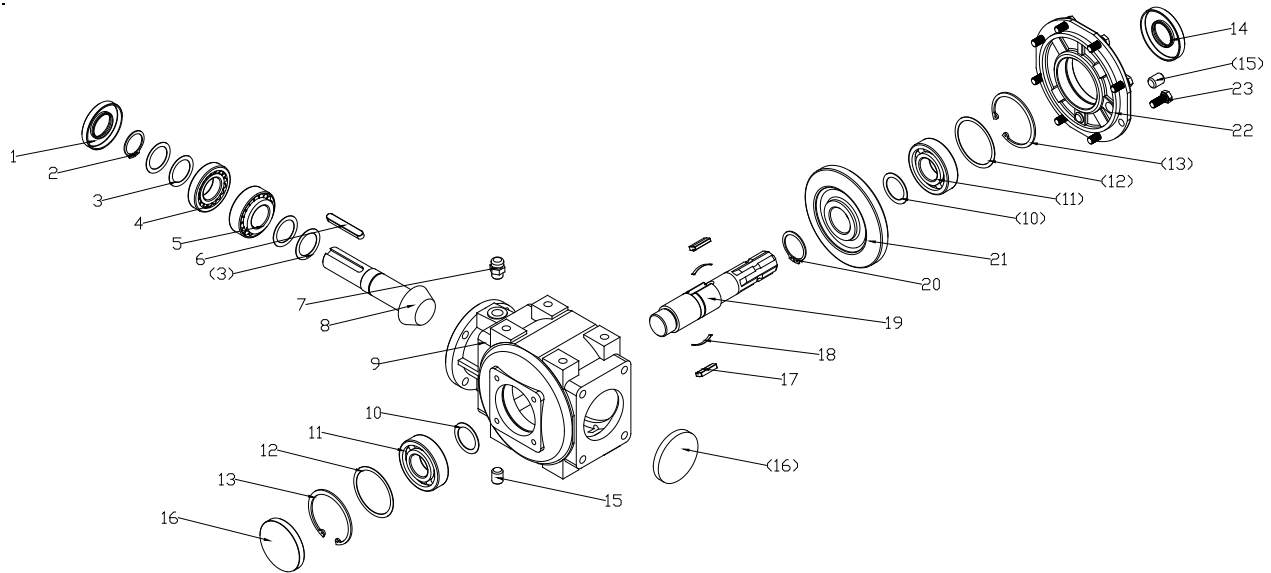
DP(DPS) FLAIL MOWER GEARBOX ASSEMBLY



REF	PART NUM	DESCRIPTION	QTY
1	TS50.300Z.02	Gearbox assembly	1
2	GB1096-79/A10X70	Key A10X70	1
3	EFGC125.166	Paper gasket	1
4	EFGC125.167	Connected sleeve	1
5	GB1096-79/A10X40	Key A10X40	1
6	DP175.155	Shaft	1
7	GB/T276-94/6207	Bearing 6207	1
8	GB893.1-86/72	Circlip 72	1
9	GB13871-94/35X72X10	Oil seal 35×72×10	1
10	ZBT 32001.3-87	Retainer	1
11	DP175.023	Shaft tube weldment	1
12	EFGC125.169	Bolt of plug screw ZG3/8"-19	1
13	GB5783-86/M12X35	Bolt M12X35	4
14	GB93-87/12	Spring washer 12	12



DP (DPS) FLAIL MOWER GEARBOX LIST



REF	PART NUM	DESCRIPTION	QTY
1	GB9877.1-88/35X72X10	Oil seal 35×72×10	1
2	GB894.1-89/35	Circlips for shaft 35	1
3	TS50.300Z.01.110	Washer (S) 0.7	4
4	GB297-94/30207	Bearing 30207	1
5	GB297-94/32207	Bearing 32207	1
6	GB1096-79/10X65	Key 10X65	1
7	EFGC125.169	Bolt of plug screw ZG3/8"-19	1
8	TS50.300Z.01.111	Bevel gear shaft	1
9	TS50.300Z.01.101	Gearbox complete	1
10	TS50.300Z.01.105	Washer (S) 1	2
11	GB/T276-94/6307	Bearing 6307	2
12	TS50.300Z.01.104	Washer (B) 0.7	2
13	GB893.1-86/80	Circlips for hole 80	2
14	GB9877.1-88/35X80X10	Oil seal 35×80×10	1
15	ZBT 32001.3-87	Retainer	1
16	TS50.300Z.01.106	Seal cover	2
17	TS50.300Z.01.108	Key	2
18	TS50.300Z.01.109	Spring	2
19	TS50.300Z.02.103	Pinion shaft	1
20	GB894.1-89/42	Circlips for shaft 42	1
21	TS50.300Z.01.107	Bevel gear	1
22	TS50.300Z.01.102	Gearbox cover	1
23	GB5783-86/M10X25	Bolt M18x40	8



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