

# Instructions for use

## FORESTRY WINCHES

### 35M / 40eco

## Instructions for safe work Spare parts list



**Manufacturer:**  
Uniforest d.o.o.  
Dobriša vas 14/a  
3301 PETROVČE  
[www.uniforest.si](http://www.uniforest.si)

Valid from serial number onwards:

35M	142004321
40eco	143004101

## Dear customer!

We are pleased that you decided to purchase our machine. Forestry winch is a forestry machine of modern design, whose construction enables effective and safe work in the forest. Work in the forest can only be safe if you follow the instructions for safe work and use. Upon following all instructions, the machine will operate flawlessly, and you will avoid unnecessary costs. We recommend reading the instructions carefully. If you are not sure about something, you can also contact us. We wish you safe work.

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## 2. Intended purpose

The machine is intended exclusively for normal work in the forest. Any other use outside of this framework holds as unintended. The manufacturer is not liable for damages, resulting from unintended use. In this case, the user is the sole bearer of risk. Intended use also includes regarding operational, service and maintenance conditions, which are prescribed by the manufacturer. Only persons, who are trained and acquainted about the dangers and consequences, which can result from improper use, can operate the machine. Relevant safety regulations must also be followed, including generally valid safety-technical, occupational medicine and road traffic regulations. Own interference and modifications of the machine exclude the manufacturer's liability for damages resulting from this.

## 3. Technical data:

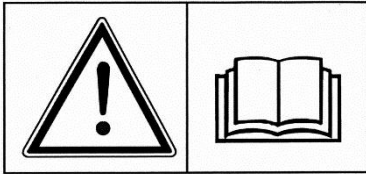
	Unit	35M	40eco
Work group	EM	1	1,2
Towing force	kN	35	40
Brake force	kN	37,5	50
Wire rope medium speed	m/s	0,90	0,90
Wire rope maximum length	mm/m	8/115	8/115
	mm/m	9/90	9/90
Wire rope length (serial)	mm/m	10/70	11/60
Tractor required power	kW	22-35	25-35
	PS	30-48	34-48
Calculated tear force	kN	70	80
Rated strength	N/mm <sup>2</sup>	70	80
Width	mm	1200	1400
Length	mm	450	470
Height without protective net	mm	1160	1160
Height with protective net	mm	2000	2000
Weight (without wire rope)	kg	245	235
Power take-off RPM	min-1	max 540	max 540

## INSTRUCTIONS FOR SAFE WORK

When operating the winch, you must devote maximum attention to safety! To prevent accidents, carefully read and follow the instructions below.

### 1. General:

1. Apart from the instructions in this user manual you should also observe all general safety and accident preventing regulations.



2. When working with the winch, it is necessary to comply with the rules of safety at work.
3. Only persons, who are older than 18, are allowed to work with the winch.
4. Safety and warning plates on the machine provide important instructions for safe use. Observe them for your safety.
5. The winch or its flawless operation should be checked before every use or at least once every working day. Defects should be removed by an expert. Before first use or after significant alterations and at least once a year the winch must be examined by an expert.
6. When using public transport routes observe traffic signs and regulations.
7. When using the winch wear personal protective equipment(helmet, gloves, appropriate footwear,...).
8. Before starting and driving check the surrounding area (children). Maintain adequate visibility.
9. Riding on the winch during transport is not allowed.
10. Connect the winch according to the instructions.
11. For on road travel the machine must be in the following condition. If the winch covers the rear lights of the tractor and they are not visible during transport on public roads, install additional lights on the winch.
12. Adjust the driving speed to the environmental conditions. When driving up or down or across a slope avoid sudden turning of the steering wheel.
13. Do not stand in the danger area.



14. If the tractor is not blocked against moving with a brake or wheel blocks, no person should be standing between the tractor and the winch.



15. Do not touch the winch until every part of the winch has stopped.  
16. Check mounting bolts regularly.  
17. Before use the winch must be visually inspected. At least once a year, the winch must be inspected by a professionally qualified person.  
18. During any work on the winch you must turn the tractor off.



19. It is forbidden to remove the safety devices from the winch.  
20. Use a tow rope of adequate strength and quality (see the factory plate).  
21. A damaged wire rope must be replaced immediately.  
22. If it is necessary to use a wire rope of an appropriate length. When you wind the rope up, a distance of 1,5 of rope diameter to outer diameter of the drum should stay on the drum. When you unreel the rope, a minimum of 3 rope wraps should stay on the drum.  
23. The assistant is not allowed to connect load on the winch until he has informed the tractor driver about it.  
24. It is especially dangerous to stand next to the tree that you are about to pull (Figure 1).  
25. When using a relay pulley there is a triangular danger area, where you are not allowed to stay during the tow (Figure 2).



Figure 1

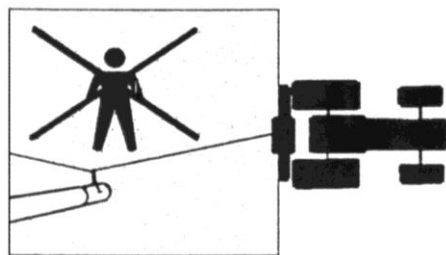


Figure 2

26. When towing observe the maximum allowed angle of 30° (Figure 3).  
27. On uneven terrain or when not observing the maximum allowed towing angle there is a danger of the winch rolling over (Figure 6).

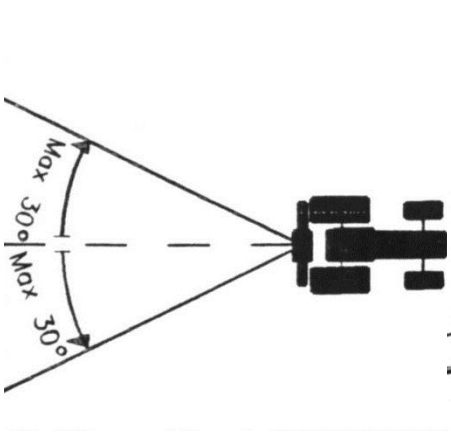


Figure 3

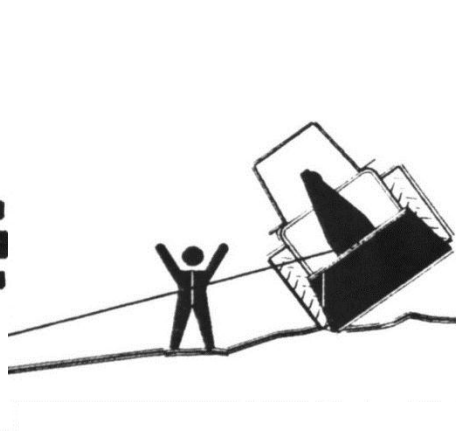


Figure 4

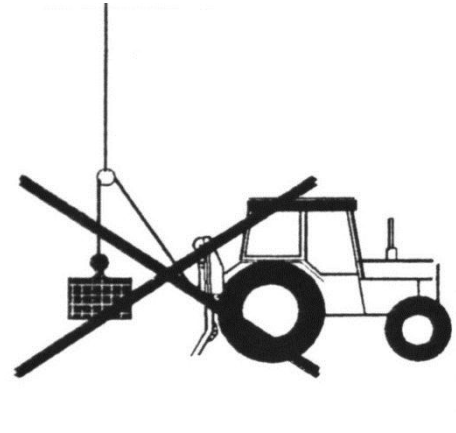


Figure 5

28. Do not use the winch for unintended purposes (lifting loads, etc.).(Figure 5)
29. Tractor driver and assistant must continuously communicate during their work.
30. The winch operator must continuously observe the load during the tow. If this is not possible due to the configuration of the terrain, the assistant should help.
31. The tractor to which the winch is connected to must have a minimum tyre profile which still meets the traffic regulations. Otherwise the wheels must be fitted with snow chains. Chains are also obligatory when working in snow and ice.
32. When disconnecting the winch, you first need to choose an appropriate hard and flat surface. Fix the winch by means of support legs. Lean the drive shaft on the prepared holder.
33. In the area of the three point linkage there is a danger of injuries due to compression or crushing.



34. The winch can be operated only from a safe place from which the load, wire rope, rope hook or the winch itself do not pose a threat to the operator. A safe place can also be the tractor seat if the winch has a safety net of sufficient size. When operating the winch outside the tractor seat the operator must be provided with an appropriate protection, e.g. the tractor itself, secure location at a sufficient distance from the vehicle, e.g. behind a tree. Logs can be monitored from the side next to the connection and shorter timber can be monitored diagonally behind the load. (See Figure 6).



35. During the tow, it is forbidden to stand between the load and the winch as well as in the danger area between the winch, relay pulley and load. (See picture 7).



Figure 6

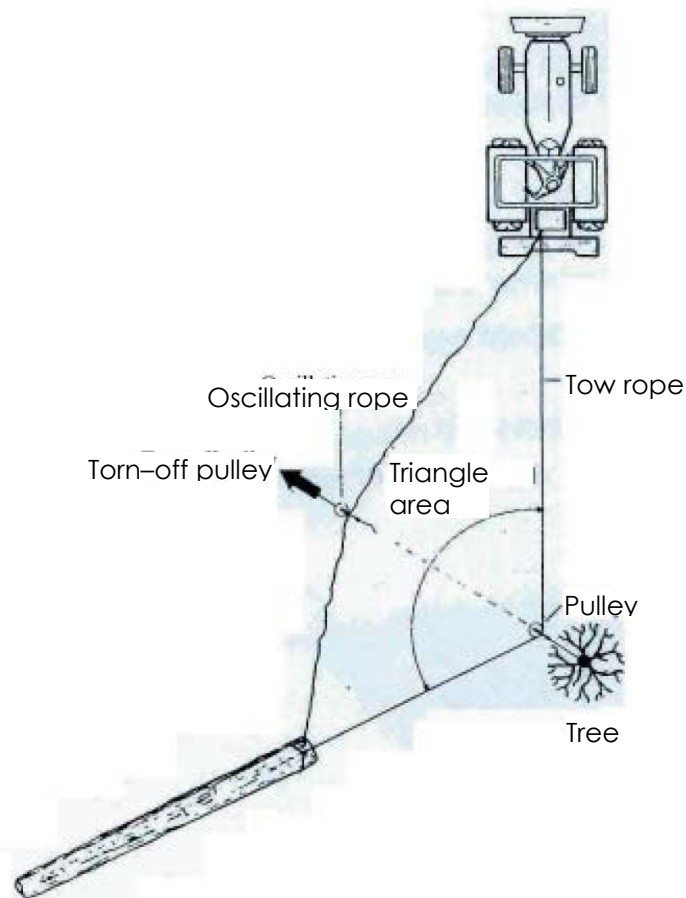


Figure 7

## 2. Cardan shaft

1. Only use such cardan shafts which are recommended by the manufacturer.
2. The cardan shaft protection pipes, protective funnels and attachment protection must be mounted on the machine and be in perfect condition.
3. Observe the recommended pipe protection in transport and working position.
4. The cardan shaft can only be connected or disconnected, when the cardan attachment is turned off, the engine has stopped and the ignition key has been removed.
5. The cardan shaft must always be properly mounted and protected.
6. Secure the cardan shaft against rotating with a chain.
7. Before switching on the cardan shaft on the tractor make sure that the chosen speed and direction of rotation match the requirements from the chapter Technical data.
8. Before switching on the cardan shaft make sure no person is standing in the danger area of the machine. This rule must also be observed during machine operation.
9. Never switch on the cardan shaft when the engine is turned off.
10. Put the disconnected cardan shaft on the intended holder.

# INSTRUCTIONS FOR USE

## 1. Description

The winch is intended for towing of cut-down timber from the forest and timber ramping. It is constructed of welded housing, drive mechanism, clutch, drum with wire rope, brake and diverting pulley. With the help of wire rope, the timber is towed to the ploughing attachment and attached on the grooves on the winch housing with forestry chains. Then, the timber can be transported to the place, where other transport means have access.

**REQUIRED EQUIPMENT OF THE TRACTOR PTO shaft with chosen gear ratio, max. 540 RPM.  
Three-point hitch of I and II category.**

Maximum number of revolutions and direction of tractor PTO shaft rotation is  $540 \text{ min}^{-1}$ .



## PTO SHAFT ADJUSTMENT

Length of PTO shaft needs to be adjusted for different tractors (figure 6). For winch 35M, it is appropriate to use a PTO shaft, torque max. 355 Nm, type W 200E, for 40eco torque max. 500 Nm, type W 300E Walterscheid.

Ascertain the accurate length in the following manner:

1. Shut down the tractor.
2. Connect the machine to the tractor.
3. Extract the PTO shaft apart and connect the individual shaft halves to the tractor and machine and compare them crosswise and mark them (figure 8.1).
4. Shorten external and internal plastic protection pipes (figure 8.2).
5. Shorten external and internal slide profiles with the same distance as plastic protection pipes (figure 8.3).
6. Crop the pipe end, remove fillings and grease the slide positions well (figure 8.4).



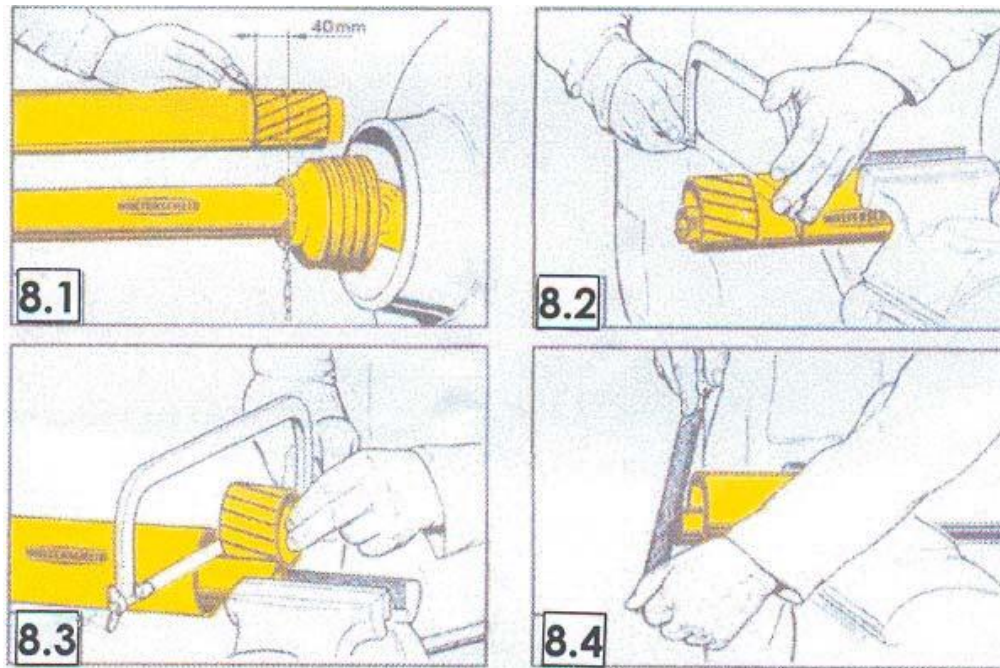


Figure 8

## 2. Tractor mounting

When connecting the winch, do not stand in the danger zone!

Forestry winch can be connected to any tractor, which has a three-point hitch, with connection frame of category I or II. Appropriate construction also enables easy connection to the tractor with automatic connection rods. Connect the prescribed PTO shaft and secure cardan protection with a hang chain. Be careful that the cardan clicks into place on both connection points!

For transfer of torque from the tractor to the winch, it is advisable to use a PTO shaft with a clutch. Once the winch is attached to the tractor, strengthen the stabilizers on the lower connection rods and level the winch with a hitch nut into position, so that the winch is tilted backwards for approximately 20 degrees.

## 3. Wire rope unwinding

### Warning

**Steel rope must be completely unwound before first use and wind it back on the generator drum under load.**

For instance, we can do this so that we attach the rope to a standing tree and pull the tractor with slight braking to the tree. This procedure must be done also before trying to tow, if we towed downhill beforehand or if the rope was wound loosely during towing.

## **ATTENTION!**

Loosely wound steel rope can be damaged (stuck, bent) at greater load, so that it is prohibited to use it again.

**Warranty does not apply for a steel rope, which is damaged in such manner.**

Once the winch is correctly connected, we start to unwind the wire rope. We do this so that we pull the wooden handle on the red rope (pos. 2, figure 11) and in this way move handle 1 in direction OFF (figure 10). Brake is released and the wire rope can be unwound. In case that we just installed the wire rope on the drum or we observe that it is not properly wound, we unwind the entire length of the wire rope and wind it strong, as given in the start of this chapter.

## **4. Winch controler**

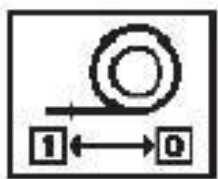


Figure 9

Lower the winch on the ground. In this manner, the winch strengthens on the surface by the board and we engage hand brake. Under no circumstances it is allowed to start working, before the winch is secure on the ground.

Before starting pulling the black rope, check that it is properly wound between the small pulleys (figure 12). This winding is correct when the handle (pos. 6) returns in the starting position OFF (figure 9), after we stop pulling the rope (pos. 5, figure 12).

**If the rope is not properly wound, a situation may arise, where the winch towing does not stop on our wish, which can result in an accident.**

**Any intervention in the engagement mechanism, which would stop synchronous operation of the clutch and the brake, is prohibited. It is also prohibited to pull the red rope of the brake (pos. 2, figure 11) during towing.**

**During towing, it is prohibited to lift the hydraulic lever system (PTO shaft power takeoff failure may arise).**

## SETTINGS

### 1. Clutch

Proper setting of the clutch ensures optimal pulling force. Clutch is factory set upon winch testing, but it is required to set it again due to wear of the friction coating.

**Readjustment is not allowed during warranty period!**

Setting is done so that we mount a dynamometer on the black rope. If there is no dynamometer on disposal, spring scale with appropriate weighing range can also be used. Once the dynamometer (scale) is mounted, pull the rope with force of 350 N (35 kg) and follow the handle position (pos. 6, figure 12). In plan view, this handle is shown on figure 12a. Nut on the main shaft (pos. 9, figure 12) regulates the handle position (pos. 6) as long as the handle starts moving away from the rest, but no more than 5 mm! If the nut is over-tightened (pos. 9, figure 12) and it has moved away from the rest for more than 5 mm, the required axial force on the frictional surface of the clutch was reduced excessively. The winch will not gain required towing force or the frictional surface of the clutch will be damaged due to sliding.

### 2. Preliminary brake

With screw (pos. 10) and wing nut (pos. 11, figure 12) set the preliminary brake. Proper setting ensures that the wire rope does not automatically or too easily unwinds from the drum. This could cause too loose winding and damage to the wire rope, if the brake is unburdened or when unwinding. Preliminary brake is properly set when it is still possible to unwind the rope without greater effort. If we pull the rope uphill, it is possible to additionally unburden this brake, so the towing of rope is easier, but it must be returned to its original position afterwards.

### 3. Brake

Brake setting is done by a nut (pos. 3, figure 11). Brake handle (pos. 1) is in OFF position (figure 10). Firstly, use a fork wrench to set the nut (pos. 3). Distance between the roller (pos. 4) on the handle and the nut should be approximately 7 mm. If the brake force is not sufficient, repeat the procedure and tighten the nut (pos. 3) again to the right. If the brake is set to excessive force, the unwinding of the rope is made more difficult. Therefore, the nut must be loosened somewhat to the left.

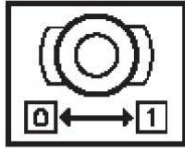


Figure 10

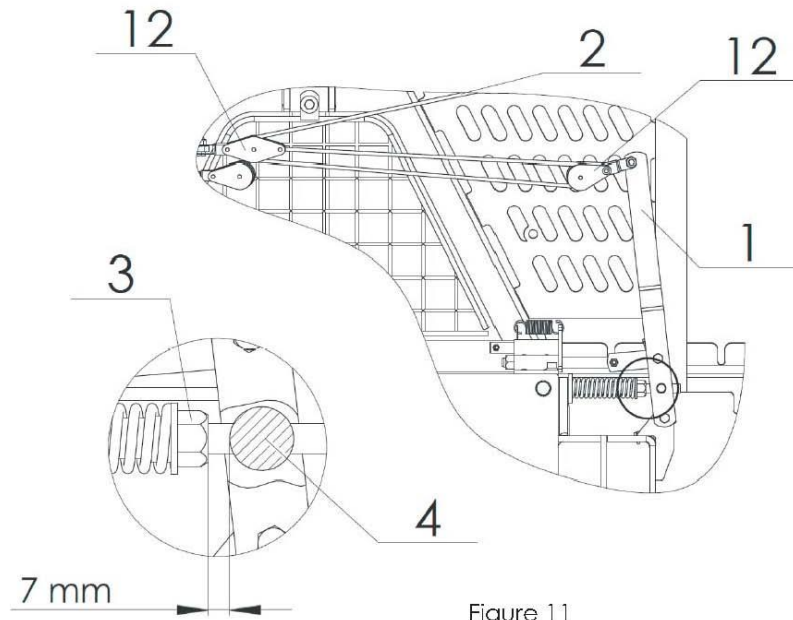


Figure 11

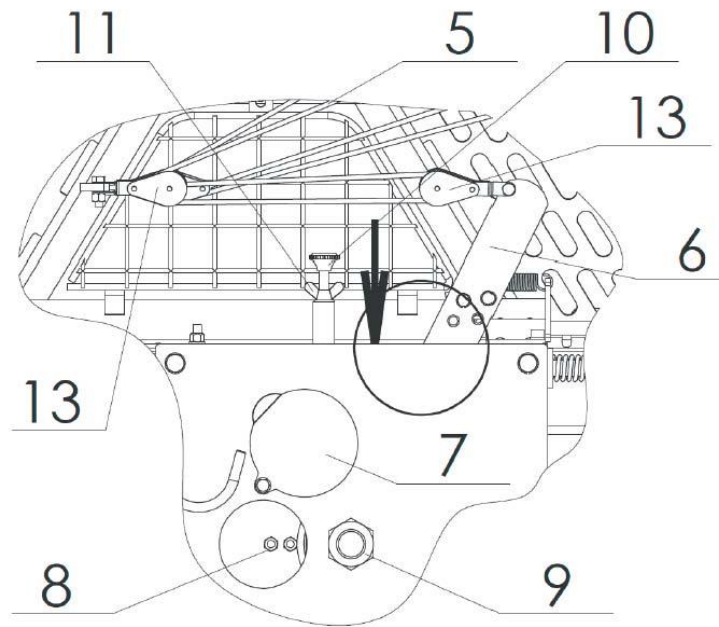
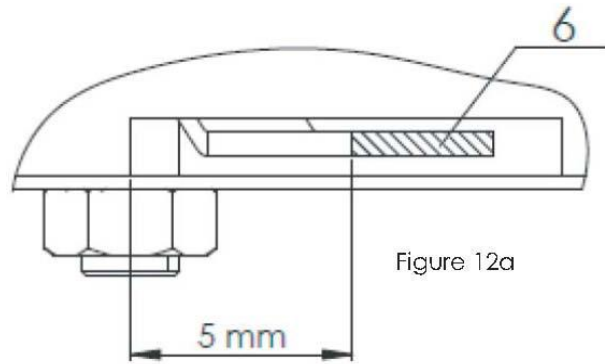


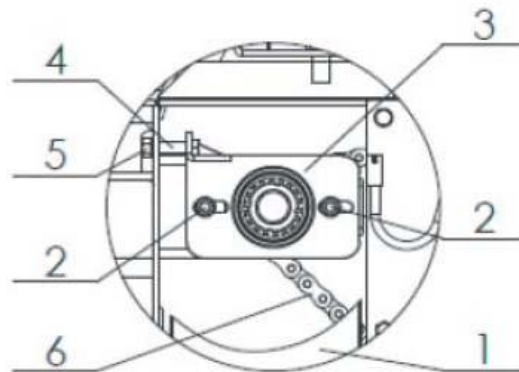
Figure 12



#### 4. Drive chain tensioning

After a certain period of operation, the drive chain stretches; therefore it must be checked frequently and tensioned, if required. It must be checked every 60 hours of operation.

Tensioning is done according to the following procedure (figure 13). First, remove the protective sheet metal of the PTO shaft (pos. 1). Loosen both bolts (pos. 2) on the drive housing (pos. 3). Then tighten the nut (pos. 5). Tighten the nut so long that the drive chain is properly tensioned. Check this by hand – the chain must have a minimum oscillation. Tighten both bolts (pos. 2) and replace the protective sheet metal of the PTO shaft with bolts (pos. 1).



#### 5. Wire rope assembly

First, remove the triangular protective net on the winch column. Then rotate the cover (pos. 7, figure 12) and rotate the drum in a position, which enables unscrewing of the bolt on the drum. Unscrew this bolt in a position, so that the groove on the drum is free. Insert the wire rope in the guide of the upper pulley and direct it through the upper pulley to the rope drum. Insert the rope in the groove and tighten the bolt (pos. 8). Then start to wind according to the procedure, which applies to towing. Once the entire length of the wire rope is wound, unwind it again and wind it again strongly according to the procedure, which is described in the chapter “Wire rope unwinding” to prevent damage to the rope.

## MAINTENANCE



**LUBRICATION** Before proceeding with maintenance work, shut down the engine, remove the key and wait for all moving parts to stop.

There is a grease fitting on the winch, which enables greasing of the upper pulley and guide. The second grease fitting is on the housing of the lower pulley. Greasing is required every 60 hours of operation.

**Non-frequent greasing can cause wear of slide elements and consequentially a defect, which is not subject to warranty terms!**

Drive chain must be lubricated every 100 hours of operation. Lubricate it with spray for lubrication of chains or special grease, which does not melt at high temperatures, because the grease can come into contact with friction coating of the clutch.

Before lubrication remove protection of PTO shaft (pos. 1, figure 13) and lubricate this spot. Remove the chain before lubrication. After finishing lubrication, replace the protective sheet.

**If grease comes into contact with friction coating of the clutch due do improper and excessive lubrication, this would mean a drastic reduction in towing force and consequentially it would be required to replace the blades of the clutch, which cannot be a subject of this warranty!**

All other bearings on the winch are of closed type, therefore greasing is not necessary. PTO shaft is lubricated according to manufacturer's instructions.







## REMOVAL OF FAULTS

<b>Determined faults (malfunctions)</b>	<b>Cause</b>	<b>Procedure for removal of faults (trouble)</b>
<b>Insufficient pulling force.</b>	Grease on frictional padding of the clutch.	Replace clutches.
	Burnt frictional padding of the clutch.	Clean padding with sandpaper or grind (thickness approximately 0.5 mm).
	Improper setting.	Setting according to instructions.
	Worn frictional padding of the clutch	Replace clutches.
	Incorrectly installed clutch.	Install according to technical documentation.
<b>Insufficient brake force.</b>	Improper setting.	Setting according to instructions for use.
	Grease on the padding of the brake belt.	Replace the brake belt.
	Damaged brake belt.	Replace the brake belt.
	Damaged brake mechanism.	Replace damaged parts.
	Other.	Contact service company.
<b>Wire rope cannot be pulled out or the pulling is difficult.</b>	Improper setting of pre-brake.	Setting according to instructions.
	Improper setting of brake	Setting according to instructions.
	Damaged or stuck wire rope	Pull out the rope with a tractor and, if required, install a new wire rope.
	Damaged brake belt.	Replace the brake belt.
	Brake handle is not in correct position.	Proceed according to instructions for use.
	Damaged or corroded engagement mechanism.	Grease the engagement mechanism with WD spray or, if required, replace the engagement mechanism.
	Other.	Contact service company.



Determined faults (malfunctions)	Cause	Procedure for removal of faults (trouble)
<b>The winch pulls, despite the clutch being disengaged.</b>	Improper setting.	Setting according to instructions.
	Crossed, wound rope for control of brake handle.	Installed the rope in parallel manner.
	Lever, connecting the brake handle, does not allow return in disengaged position.	Check the lever.
	Damaged engagement mechanism.	Repair or replace the engagement mechanism.
	Damaged winch drum.	Replacement or repair of the drum.
	Not enough clutch distance.	Setting according to instructions.
	Broken part of frictional padding on the clutch.	Replace clutches.
	Excessively tensioned drive chain.	Chain setting according to instructions.
<b>The winch makes noise with operation.</b>	Insufficiently tensioned drive chain.	Tension the chain, as described in the instructions.
	Damaged or worn bearings.	Replace bearings.

## explanation of nameplate

Machine type	 		
Manufacture year	Dobriša vas 14a, SI-3301 Petrovče Tel: +386 3 713 14 10 / Fax: +386 3 713 14 18, www.uniforest.com		
Serial no.	Typ: <input type="text"/> Nr.: <input type="text"/>	Ø: <input type="text"/> mm L: <input type="text"/> m	Wire rope diameter Wire rope length
Pulling force at the internal diameter of the drum	 F <sub>max</sub> : <input type="text"/> kN F <sub>min</sub> : <input type="text"/> kN	 F <sub>min</sub> : <input type="text"/> kN σ: <input type="text"/> N/mm <sup>2</sup>	Min. breaking force Specific min. breaking force
Pulling force at the external diameter of the drum	 P <sub>max</sub> : <input type="text"/> bar	 <input type="text"/> U/min <input type="text"/> kg	Max. PTO shaft revolutions Weight of the machine



## SPARE PARTS LIST

### Forestry winches – 35M / 40eco (Image 1)

Pos.	Title	Plan or standard number			
		35M		40eco	
		Nr. of pcs		Nr. of pcs	
1	Frame var.	1	305.01.00.0	1	304.01.00.0
2	Lower pulley kpl.	1	5006.10.00.A	1	5006.10.00.A
3	Trailer coupling kpl.	1	502.12.20.0	1	502.12.20.0
4	Brake and clutch kpl.	1	335.05.30.0	1	335.05.30.0
5	Protections and other kpl.	1	305.13.00.0	1	305.13.00.0
6	Upper pulley kpl.	1	305.09.00.0	1	305.09.00.0
7	Drive shaft kpl.	1	305.08.00.0	1	305.08.00.0
8	Drum kpl.	1	305.05.20.0	1	305.05.20.0
9	CHAIN RK 12 A-1 (ASA 60) WIP (71 link 1352,55mm)	1	1000280	1	1000280
10	CHAIN ASSEMBLY JOINT SG 12 A1	1	1003563	1	1003563
11	Screw M12x90 Zn	3	1000085	3	1000085
12	Nut M12 Zn	4	1000142	4	1000142
13	Washer M12 Zn	7	1000161	7	1000161

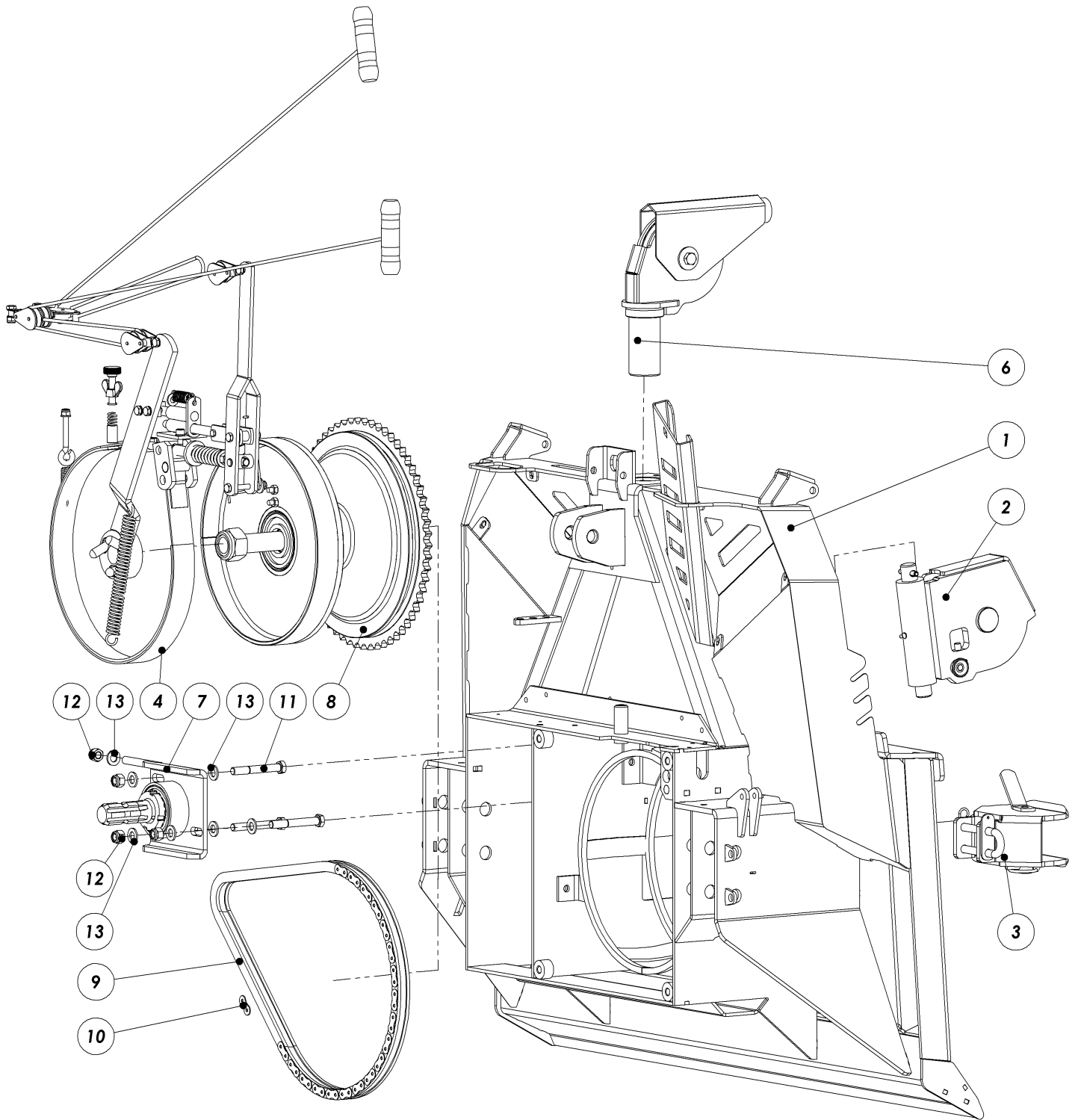


Image 1

## Forestry winches – 35M / 40eco (Image 2)

Pos.	Title	Nr. of pcs	Plan or standard number
1	Pre-brake screw	1	702.00.41.0
2	Brake wire 5,5 m kpl (red)	1	1000554
3	Clutch wire 6.5 m kpl. (black)	1	1004067
4	Small single pulley	1	502.00.40.0
5	Small double pulley	1	502.00.41.0
6	Small single pulley 2	1	502.00.42.0
7	Small double pulley, wide	1	502.00.43.0
8	Spacer tube	1	502.05.12.0
9	Pin 1	1	502.06.08.0
10	Brake bolt	1	502.06.12.0
11	Brake fork	1	502.06.15.0
12	Brake handle var.	1	502.06.20.0
13	Clutch lever spring	1	502.06.25.0
14	Lever plate 1	2	502.06.30.0
15	Brake sleeve	1	502.06.32.0
16	Brake compression spring	1	502.06.35.0
17	Brake bolt	1	502.06.41.0
18	Compression spring	1	702.69.00.0
19	Washer	1	1000363
20	Braking belt spring	1	502.06.07.1
21	Brake roller	3	502.11.15.0
22	Clutch lever spring	1	502.11.25.0
23	Automatic control mechanism actuator var.	1	502.11.30.0
24	Automatic control mechanism kpl.	1	502.50.00.0
25	Clutch handle var.	1	303.12.00.0
26	Brake band var.	1	305.06.00.0
27	Pad	2	305.06.04.0
28	Brake tubing	1	305.06.07.0
29	Screw hexagon M8x16	2	1003454
30	Control mechanism housing var.	1	502.50.02.0
31	Extension spring	1	502.34.01.0
32	Actuator housing 1	1	502.50.06.0
33	Return rod	1	502.50.09.0
34	Ball fi 8,7	2	1010486
35	Spring linchpin 6x40	1	1000208
36	Screw M8x70 Zn	1	1000042
37	Screw M8x55 Zn	1	1000041
38	Screw M6x35 Zn	1	1000040
39	Screw M8x20 Zn	4	1000051
40	Screw M8x25 Zn	2	1000052
41	Screw M10x45 Zn	1	1000075
42	Screw M8x60	1	1001147
43	Nut M8x60	7	1003460
44	Nut M6 Zn	1	1003712
45	Nut M10 Zn	1	1003461



## Forestry winches – 35M / 40eco (Image 3)

Pos.	Title	Nr. of pcs	Plan or standard number
1	Main shaft	1	305.07.10.0
2	Gear wheel with plate	1	305.07.00.0
3	Wire rope drum	1	305.05.00.0
4	Spacer	1	305.05.07.0
5	Brake compression spring	1	502.00.30.0
6	BEARING 6208 2Z	2	1000301
7	BEARING 6308 2Z	3	1000303
8	Nut M30 Zn	1	1000144
9	Nut M8 Zn	2	1003735
10	10-3/8"	1	1000346

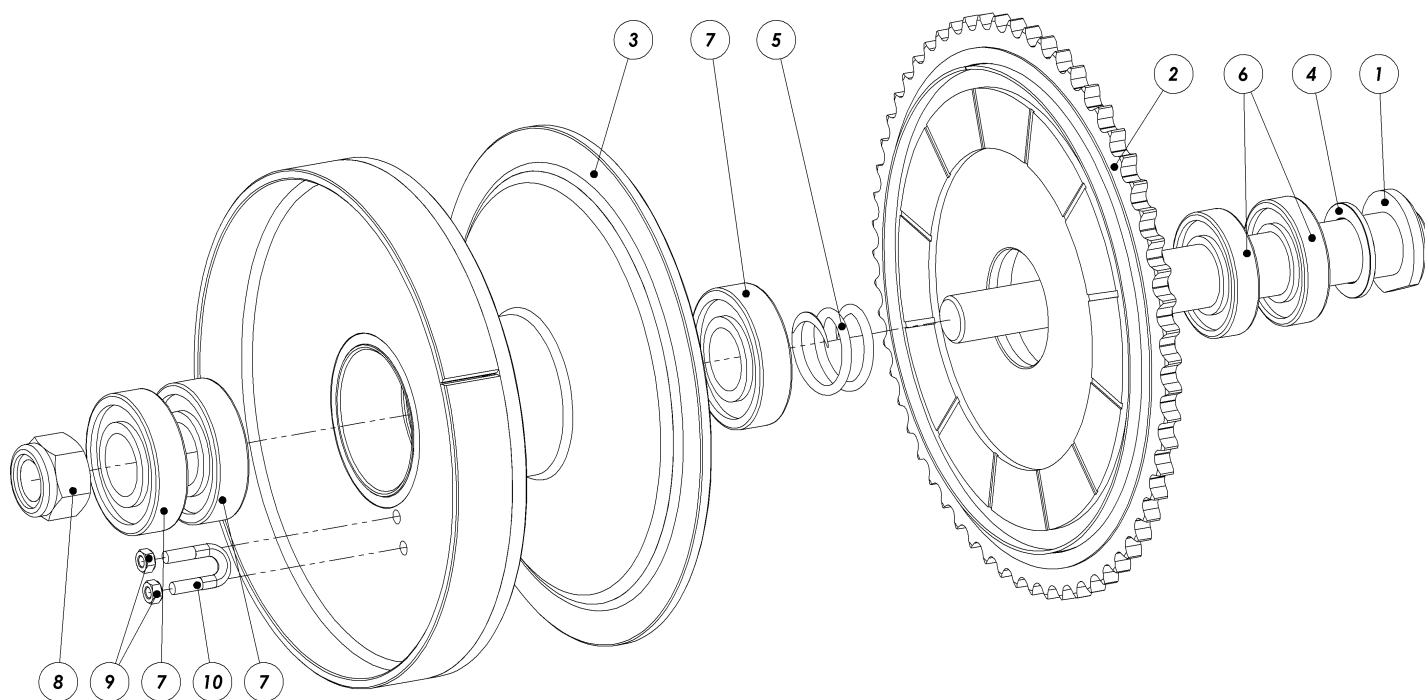


Image 3

### Forestry winches – 35M, 40eco (Image 4)

Pos.	Title	Nr. of pcs	Number
1	Pin var.	2	305.00.07.0
2	Coupling pin var.	1	305.00.25.0
3	Protective metal sheet	1	305.00.50.0
4	Cover kpl.	1	305.11.00.0
5	Cardan shaft protection kpl.	1	305.35.00.0
6	Protective screen var.	1	5006.88.00.A
7	Protective screen bolt	1	5006.88.15.0
8	Screw M8x20 Zn	11	1000051
9	Screw M10x70 Zn	2	1010831
10	Screw M8x16 Zn	5	1000050
11	Nut M8 Zn	11	1003460
12	Nut M10 Zn	2	1003461
13	Washer M8 SKM	3	1009844
14	Washer M8 Zn	19	1003471
15	Tractor linchpin 10	3	1000211
16	Lubricator M8x1	1	1000234
17	LINCHPIN R 3x52 mm	1	1000210
18	Large grommet fi 70	1	1000736
19	Chainsaw protector	1	1001046
20	NAUTICAL CHAIN 2.5 ZN	3	1003484
21	Cardan shaft protection	1	305.35.01.0
22	Cardan shaft protection	1	305.35.02.0
23	Rivet	4	1003685
24	Washer M8 Zn	2	1003465
25	Drum protection var.	1	305.01.10.0
26	Triangular metal sheet R	1	305.01.42.0
27	Triangular metal sheet L	1	305.01.46.0

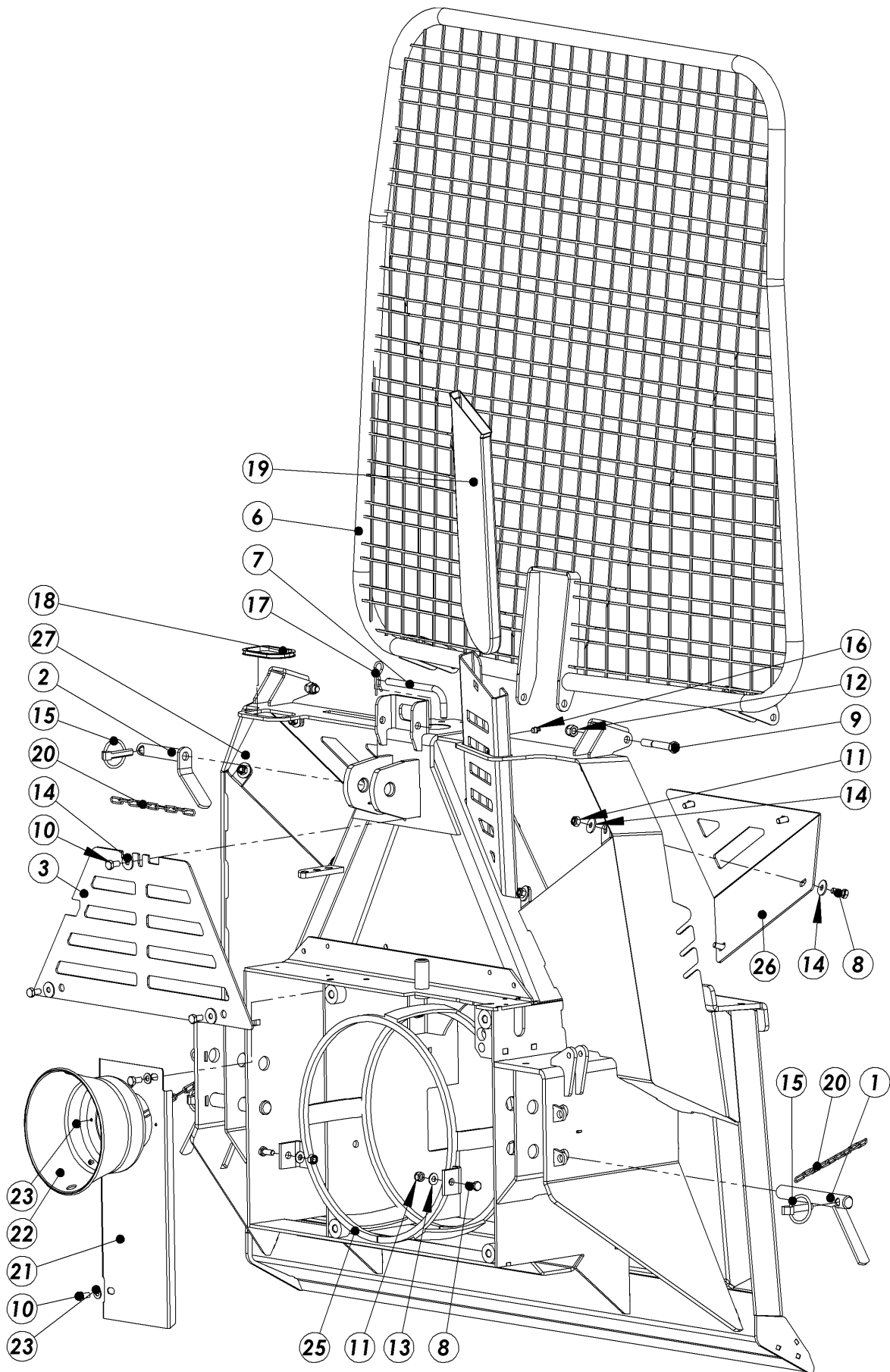


Image 4

## Forestry winches – 35M, 40eco (Image 5)

Pos.	Title	Nr. of pcs	Number
1	Cover var.	1	305.11.01.0
2	Leg pin 10	1	502.00.13.0
3	Cardan holder	1	502.11.08.0
4	Small cover	1	502.11.09.0
5	Support leg var.	1	305.00.10.0
6	Screw M12x20 Zn	4	1000055
7	Screw M8x16 Zn	1	1000050
8	Screw M12x55 Zn	1	1000084
9	Nut M12 Zn	1	1000139
10	Washer M12 SKM	4	1000176
11	Washer M8 Zn	1	1003465
12	Spring pin 4x20	1	1000207
13	LINCHPIN R 3x52 mm	1	1000210
14	Cotter pin 5x50	1	1003497
15	Cotter pin 2,5x16	1	1003495
16	NAUTICAL CHAIN 2.5 ZN	1	1003484

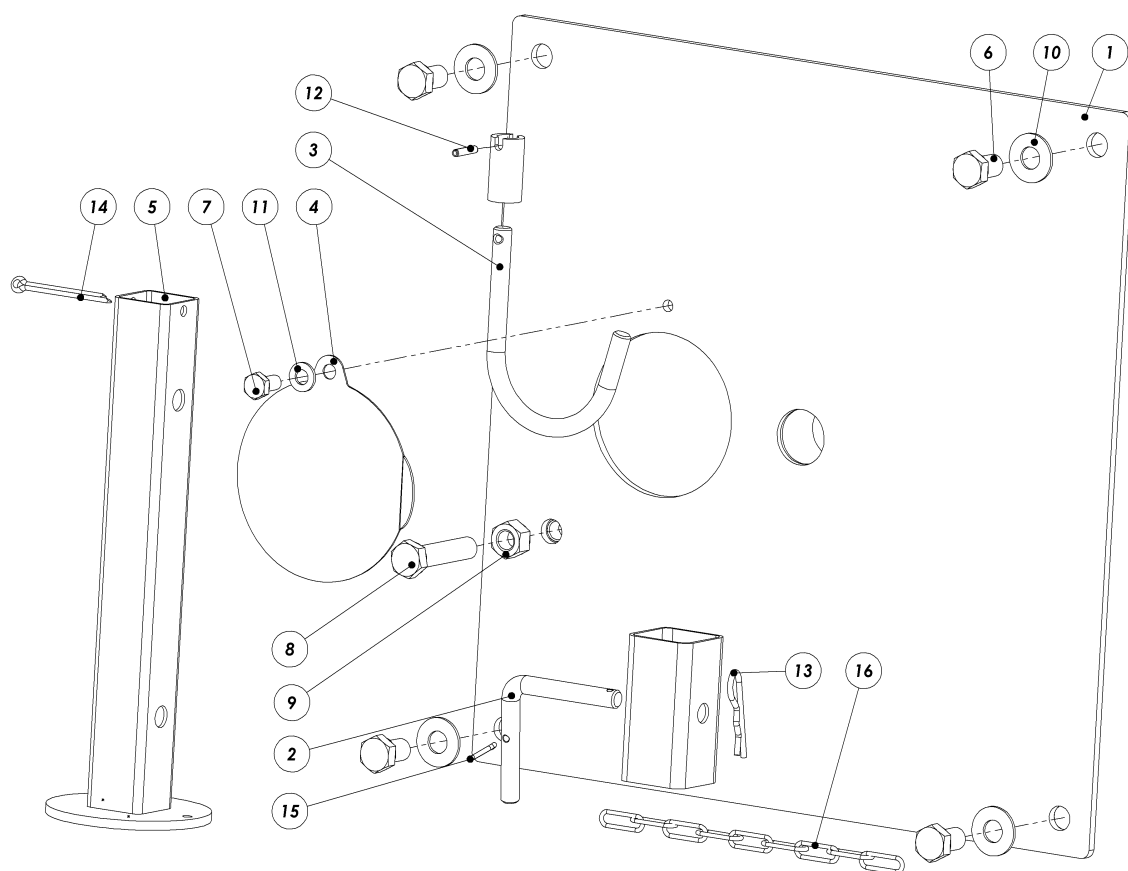


Image 5



## Forestry winches – 35M, 40eco (Image 6)

Pos.	Title	Nr. of pcs	Number
1	Upper pulley	1	305.09.01.0
2	Pulley wheel	1	305.09.08.0
3	Cardan holder	1	305.09.09.0
4	Pulley sleeve	1	305.09.29.0
5	Bearing 6305 2RS	1	1000310
6	Snap ring N62x2	1	1000237
7	Washer M12 Zn	2	1000166
8	Screw M12x65 Zn	1	1000045
9	Nut M12 Zn	1	1000142

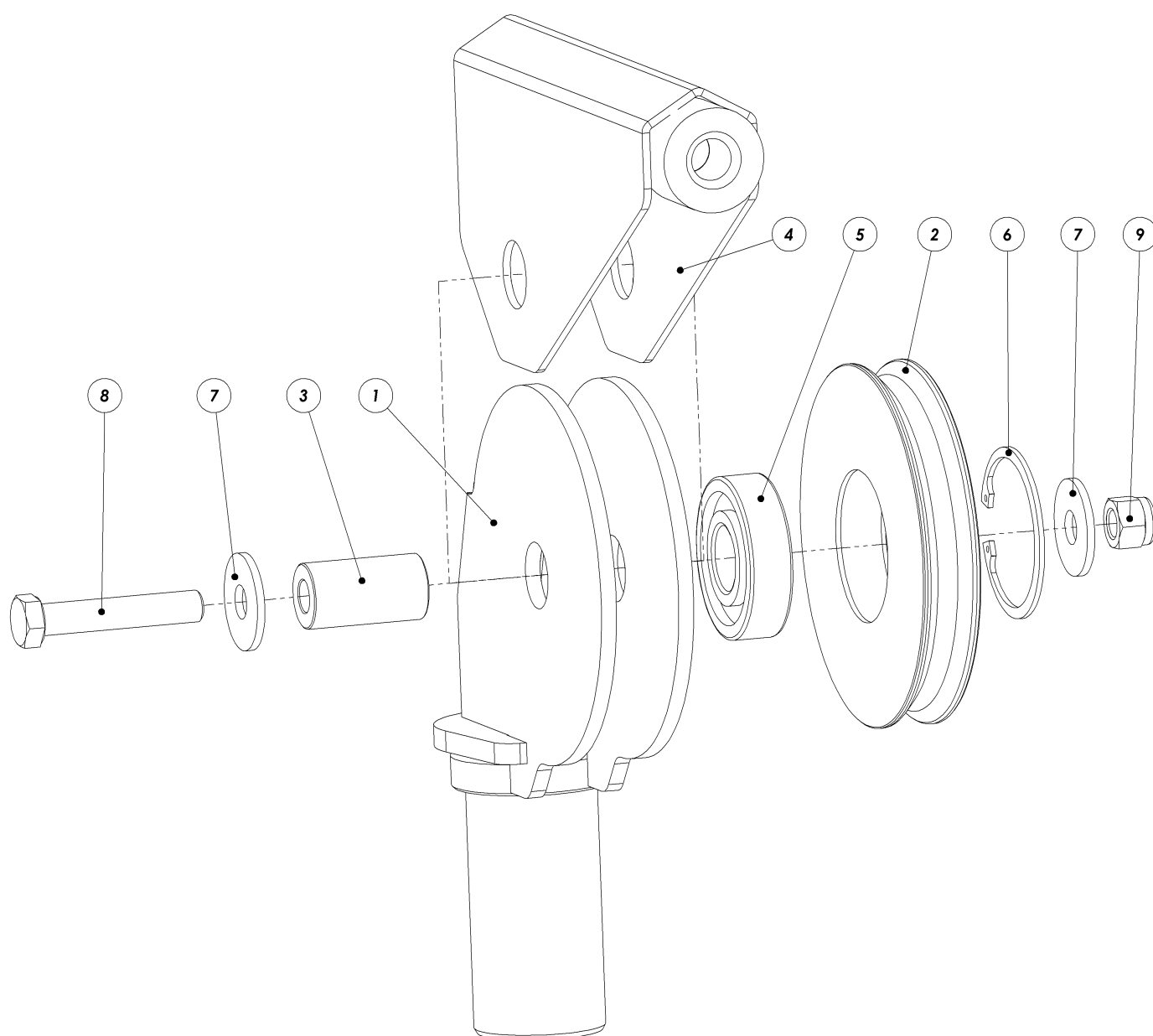


Image 6

### Forestry winches – 35M, 40eco (Image 7)

Pos.	Title	Nr. of pcs	Number
1	Drive shaft with a gear wheel	1	305.08.01.0
2	Drivetrain housing	1	305.08.05.0
3	Ball bearing 6208 2Z	2	1000301
4	Nut KM8 ( M40x1,5 )	1	1000145
5	Washer mb-8	1	1003510

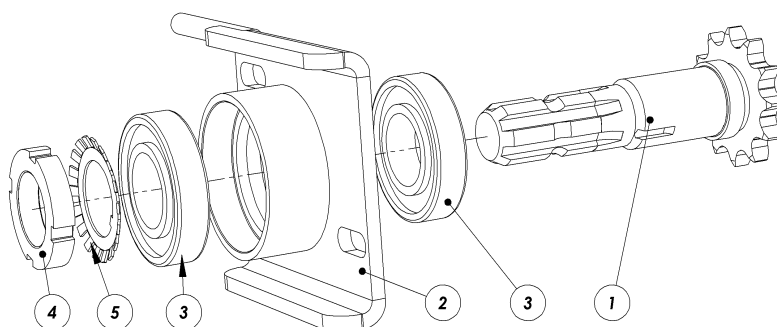


Image 7

### Forestry winches – 35M, 40eco (Image 8)

Pos.	Title	Nr. of pcs	Number
1	Linkage set var.	1	502.12.00.A
2	Linkage bolt var.	1	502.00.25.0
3	Linkage guard var.	1	502.12.10.0
4	PIN R 3x52 mm	1	1000210
5	Tractor linchpin 10	1	1000211

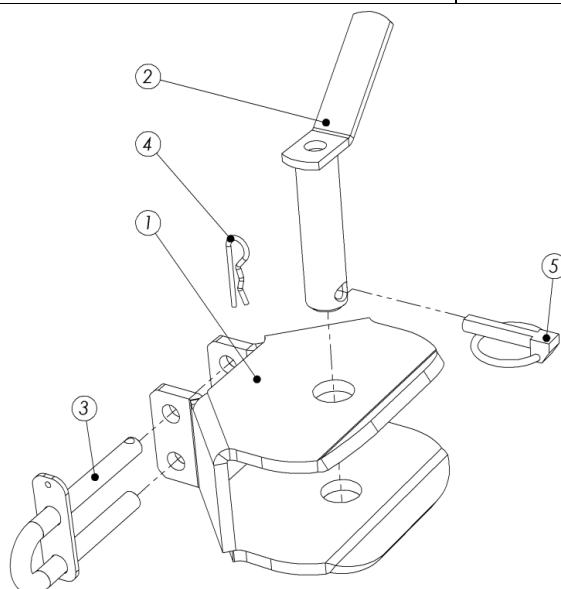


Figure 8

### Forestry winches – 35M, 40eco (Image 9)

Pos.	Title	Nr. of pcs	Number
1	Pin var.	1	5006.10.01.A
2	Coupling pin var.	1	5006.10.09.0
3	Protective metal sheet	1	5006.10.10.0
4	Cover kpl.	1	5006.10.11.0
5	Cardan shaft protection kpl.	1	5006.10.12.0
6	Protective screen var.	1	5006.10.14.0
7	Protective screen bolt	1	5006.10.18.A
8	Screw M8x20 Zn	1	502.09.08.0
9	Screw M10x70 Zn	1	502.10.10.0
10	Screw M8x16 Zn	1	230225
11	Nut M8 Zn	1	120121
12	Nut M10 Zn	1	1000118
13	Washer M8 SKM	1	1000117
14	Washer M8 Zn	1	1000236
15	Tractor linchpin 10	1	1003971
16	Lubricator M8x1	1	1001116
17	LINCHPIN R 3x52 mm	1	1000230
18	Large grommet fi 70	1	1000234

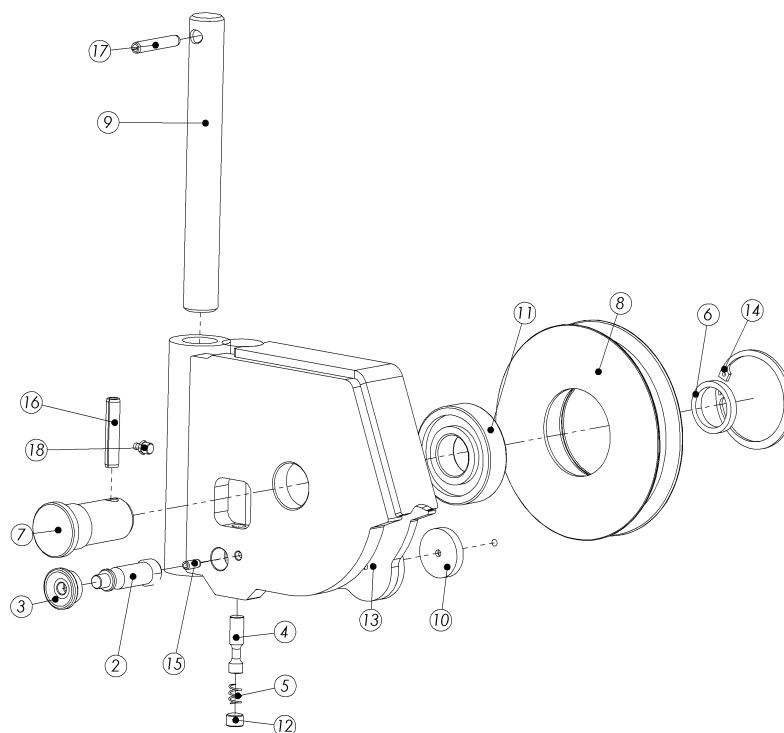


Figure 9

# EC DECLARATION OF CONFORMITY

IN COMPLIANCE WITH:

DIRECTIVE 2006/42/ES AND THE MACHINERY SAFETY RULES  
(OFFICIAL GAZETTE OF RS, NR. 75/08, 66/10 and 74/11)

MANUFACTURER:

UNIFOREST D.O.O.  
DOBRIŠA VAS 14, 3301 PETROVČE, SLOVENIA

PERSON RESPONSIBLE FOR TECHNICAL DOCUMENTATION:

MARKO POLAK, UNIV.DIPL.INŽ., UNIFOREST,  
DOBRIŠA VAS 14, 3301 PETROVČE

DESCRIPTION OF DEVICE - MACHINE:

WINCH:  
UNIFOREST 30M, 35M, 40 eco, 50 eco, 40E, 40ER, 40EH, 40Hpro  
50E, 50ER, 50EH, 50Hpro, 60E, 60ER, 60EH, 60Hpro,  
80E, 80ER, 80EH, 80Hpro

WE DECLARE UNDER OUR SOLE RESPONSIBILITY THAT THE ABOVE MENTIONED MACHINE

WINCH:  
UNIFOREST 30M, 35M, 40 eco, 50 eco, 40E, 40ER, 40EH, 40Hpro  
50E, 50ER, 50EH, 50Hpro, 60E, 60ER, 60EH, 60Hpro,  
80E, 80ER, 80EH, 80Hpro

IS COMPLIANT WITH THE FOLLOWING REGULATIONS AND STANDARDS:

DIRECTIVE 2006/42/EC AND THE MACHINERY SAFETY RULES  
(OFFICIAL GAZETTE OF RS, NR. 75/08, 66/10 and 74/11)

HARMONISED AND OTHER STANDARDS:

SIST EN ISO 12100:2011 SIST EN ISO 4254-1:2010/ AC:2011  
SIST EN ISO 13857:2008 SIST EN ISO 4413:2011 ÖNORM L5276:2008

DATE:

PETROVČE, 23. 8. 2018

SIGNATURE OF RESPONSIBLE PERSON:

MARKO POLAK, UNIV.DIPL.INŽ.

