

OPERATING INSTRUCTIONS

LOGGING WINCH

**EGV 45AHK, EGV 45AHKSG,
EGV 55AHK, EGV 55AHK 1.8M, EGV 55AHK SG,
EGV 55AHK 1.8M SG,
EGV 65AHK, EGV 65AHK 1.8M, EGV 65AHK 2.05M,
EGV 65AHK SG, EGV 65AHK 1.8M SG, EGV 65AHK 2.05M SG,
EGV 65AHK ZS, EGV 65AHK ZS SG,
EGV 65AHK ZS 1.8M, EGV 65AHK ZS 1.8M SG,
EGV 65AHK ZS 2.05M, EGV 65AHK ZS 2.05M SG,
EGV 85AHK, EGV 85AHK 1.95M, EGV 85AHK 2.05M,
EGV 85AHK SG, EGV 85AHK 1.95M SG, EGV 85AHK 2.05M SG.**



45AHK		55AHK		65AHK		85AHK	
45AHKSG		55AHKSG		65AHKSG		85AHKSG	
				65AHKZS			
				65AHKZSSG			

Please read operating instructions carefully before installing and using the logging winch.

1. GENERAL

Dear Customer,

By purchasing our winch, you obtained the equipment which will provide you with great help in your work. To make operating the machine as safe and pleasant as possible, please carefully read this operating instructions and follow the safety and maintenance guidelines.

We would like to thank you for your trust and wish you great satisfaction in your work.

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1.2. APPLICATION

Logging winch is intended for the agriculture use, especially for pulling the wood. The winch is constructed as a three point connecting piece of the suitable driving machinery. **The winch may be used for pulling loads on the ground, only.** This operating instructions also describe proper use and maintenance of the winch. Any other application of the machine is considered as unintended use and the manufacturer Tajfun does not take any responsibility for eventual damages caused by such application.

1.3. TECHNICAL DATA

	EGV 45 AHK	EGV 55 AHK	EGV 65 AHK	EGV 85 AHK
Nominal Pulling Power (max)	45 kN	55 kN	65 kN	85 kN
Pulling Power at a Full Drum	22.4 kN	27.9 kN	32.8 kN	39.5 kN
Brake Power	56 kN	69 kN	81 kN	106 kN
Pulling Speed (at 540 rpm — PTO shaft)	(0.54 - 1.08) m/s	(0.54 - 1.07) m/s	(0.50 - 0.99) m/s	(0.51 - 1.10) m/s
Gear Ratio	1 : 8.89	1 : 8.89	1 : 10.80	1 : 10.67
Required Drive Power	(15 - 37) kW	(25 - 52) kW	(37 - 66) kW	(52 - 100) kW
Wire Rope Length - Drum Capacity	∅ 9 / 125 m, ∅ 10 / 94 m, ∅ 11 / 78 m, ∅ 12 / 61 m.	∅ 10 / 95 m, ∅ 11 / 78 m, ∅ 12 / 61 m, ∅ 13 / 56 m.	∅ 11 / 140 m, ∅ 12 / 118 m, ∅ 13 / 89 m, ∅ 14 / 78 m.	∅ 13 / 110 m, ∅ 14 / 106 m, ∅ 15 / 86 m.
Wire Rope Min. Brake Point (F _{Smin})	90 kN	110 kN	130 kN	170 kN
Width	1400 mm	1500 mm	1660 mm	1800 mm
Length	525 mm	565 mm	670 mm	680 mm
Height without protective net	1260 mm	1510 mm	1660 mm	1710 mm
Height with protective net	2300 mm	2300 mm	2300 mm	2300 mm
Transport Height	1361 mm	1600 mm	1729 mm	1780 mm
Max. Operating Noise	70 dB (A)	70 dB (A)	70 dB (A)	70 dB (A)
Weight	350 kg	365 kg	540 kg	590 kg
Operating pressure	145 - 160 bar	145 - 160 bar	145 - 160 bar	145 - 160 bar
Oil viscosity	46 mm ² /s at 40°C	46 mm ² /s at 40°C	46 mm ² /s at 40°C	46 mm ² /s at 40°C
Oil reservoir volume	1.8 l	1.8 l	2.8 l	2.8 l

1.4. TYPE PLATE

The type plate contains the following information:

- Manufacturer: Tajfun Planina d.o.o., Planina 43a, 3225 Planina pri Sevnici, www.tajfun.com
- Model: EGV 65 A 2.05M
- Serial Number: 2013
- Device Name: LOGGING WINCH
- Serial Number: 207654-12345
- Maximum Pulling Force (F_{max}): 65 kN
- Minimum Pulling Force (F_{min}): 32.8 kN
- Minimum Pulling Force (F_{Smin}): 130 kN
- Maximum Rotational Speed (n_{max}): 540 min⁻¹
- Maximum Operating Pressure (p_{max}): [] bar
- Wire Rope Diameters: ∅12, ∅13, ∅14 mm
- Wire Rope Lengths: 118, 89, 78 m
- Weight: 546 kg
- CE Marking
- Part Number: 503810

Labels on the plate:

- a**: Points to the Year of Manufacture (2013).
- b**: Points to the Serial Number (207654-12345).
- c**: Points to the Wire Rope Min. Break Point (130 kN).

a	Year of Manufacture
b	Serial Number
c	Wire Rope Min. Break Point

2. SAFETY INSTRUCTIONS

Operating the winch is demanding and dangerous, therefore an absolute concentration and caution are essential. For effective and safe operation please observe the following guidelines:

- **Take safety precautions! Observe all safety guidelines and carefully read the operating instructions.**
- **Winch operation and maintenance is allowed to qualified persons older than 18 years of age, only!**
- **User personal protective equipment (helmet, gloves, forestry boots).**
- **Never work alone in the forest! If unavoidable, use radio communication device.**
- **Check the operation of the winch prior to any use, at least once every working day. Any deficiency should be eliminated immediately. The winch must be inspected by an expert at least once a year.**
- **Disconnect the winch drive, when performing repair or maintenance work. Besides disconnecting the tractor PTO-shaft, also shut down the tractor engine.**
- **All protective parts of the winch (safety nets, covers ...) must be in place during the operation. Any modification of these protective parts is not permitted!**
- **Use only appropriate winching devices and equipment, suitable to the winch pulling power (forestry chains, hooks, portable pulleys, belts, ...).**
- **Wire ropes must have sufficient strength and meet technical data requirements of the winch (See type plate). Minimal break point of the wire rope or other pulling means (chain ...) must be at least twice as high as the maximum winch pulling power.**
- **Replace the damaged wire rope as soon as possible!**
- **Use wire ropes of appropriate length! The permitted wire rope length is set by fully coiling the wire rope onto the drum. The difference between upper layer of the coiling and the edge of the drum should not be lower than twice the diameter of the wire rope.**
- **Before the beginning of work, the operator has to make sure the work can be preformed safely.**
- **Winch operator has to pay attention, that the wire rope does not uncoil completely under the load and that at least five coils of the rope remain on the drum (except in case of emergency).**
- **The wire rope must be coiled to the drum tightly (Chapter 4.4.1.).**

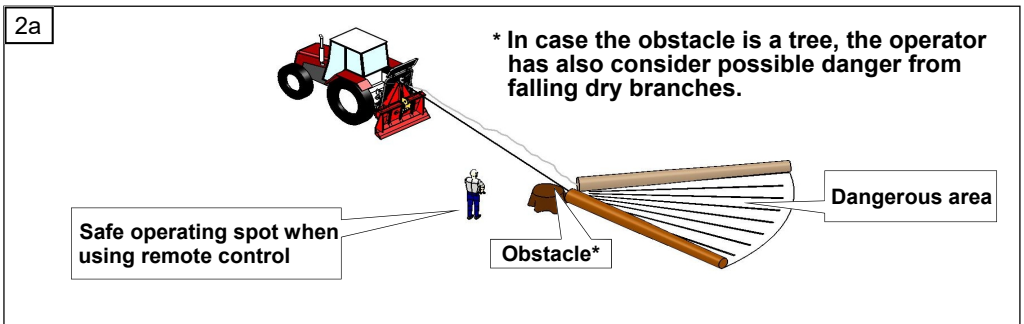
- **The operator should control the winch from the safe area (5 m away from the winch). The machine, load, wire rope or other objects which can get thrown towards the winch in case of breakage of wire rope or other pulling means can pose a danger to the operator. Tractor cabin is also considered as a safe operating spot, in case the safety net is installed properly between the driver's seat and the winch.**

Winch operation from a close distance (up to 5 m) and operation outside of the tractor cabin is permitted only if the area is secured with a dedicated protection.

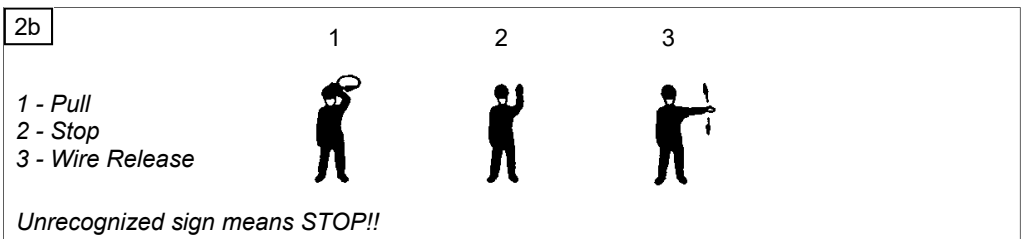
Suitable and safe area for winch operation should be in an appropriate distance from the tractor and the winch, for example behind the three.

In case you operate the winch using the remote control and walk besides the log being pulled, you have to stay near the wire rope connecting point.

When pulling logs, the operator should follow the load parallel, near the wire rope connecting point. When pulling branches and tree tops, the operator may follow the load diagonally, behind the load (Figure 2a).

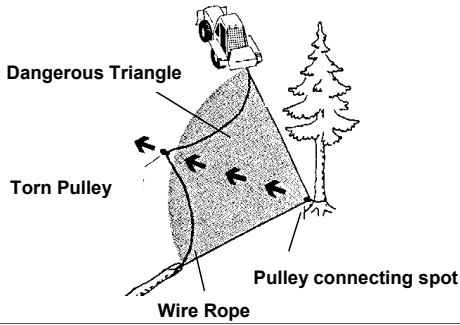


- **The winch operator must constantly observe the load being pulled. If the pulling distance is not visible from his position, an assistant being in constant contact with the operator must observe the load. The winch operator and assistant communicate with previously agreed signs (Figure: 2b).**



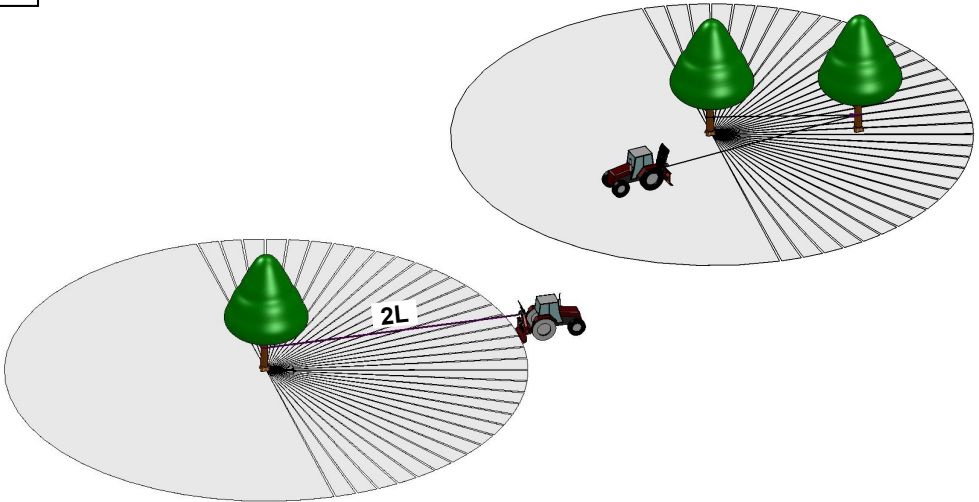
- **Special attention should be paid to proper and safe fastening of the load. The assistant should not start with the fastening procedure, until he or she notifies the tractor operator!**
- **When working with wire rope, do not stay in the area between the load and the winch and in the dangerous triangle between the winch, pulley and the load (Figure: 2c).**

2c

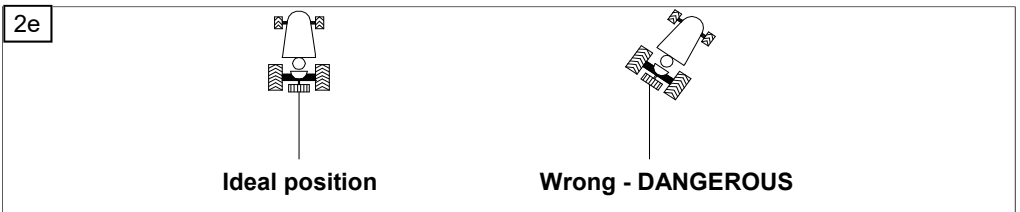


- **When pulling the logs on the steep slope, do not stay under the load, even if the load is standing still on the stretched wire rope.**
- **When pulling the tree which is still standing, tighten the wire rope before the beginning of felling. Position yourself and the winch outside the dangerous area in the distance twice the tree height. In case you use the pulley to alter the pulling direction, the dangerous area is within a radius of single tree height (Figure: 2d). When using the pulley, do not stay in the dangerous triangle!**

2d



- **Tractor which powers the winch should have sufficient tire tread depth: at least 40 % left, otherwise installation of tire chains is necessary. Permanent use of tire chains is required when working in the snow or ice in winter conditions.**
- **Before beginning of the work, the tractor must be anchored well using the winch board. In case the soft ground does not give enough support, the tractor should be anchored using additional wire rope or chain to prevent possibility of slippage or even tractor turnover, especially when working on steeper slopes or when pulling heavier loads!**
- **The size of the load and pulling speed should be adjusted to the tractor strength and capability as well as to the inclination of the slope and ground composition to prevent possibility of turnover and to keep maneuverability and braking efficiency.**



- **Use the lower pulley on the winch to prevent any possible tractor turnover, especially when pulling heavier loads. Pay special attention that the wire rope is aligned properly in the pulley.**
- **When releasing the loads, do not approach the load until the wire rope is loose or the brake is released.**
- **When using the tractor with hydrodynamic drive, the operator must, before leaving the tractor cabin, make sure that:**
 - **supporting legs are lowered and the winch is lowered to the ground and anchored**
 - **tractor brake is activated**
 - **tractor transmission is in the neutral position**
- **When disconnecting the winch, it is necessary to place the winch on the hard and level surface. First, the supporting legs must be set in the supporting position and PTO shaft must be placed in the dedicated holder.**
- **Observe traffic regulations! In case you drive on public roads, also observe all current regulations for designation of tractor equipment which is connected to the back of the tractor.**
- **The connector on the winch is intended as an implement and should not be used on public roads.**

3. CONNECTING THE WINCH

Mount the winch to the three point linkage system of the tractor by using three coupling pins. The lower links of the tractor must be attached with screws to prevent the transverse movement of the winch.

- The winch is driven by a PTO shaft, which should correspond to necessary drive power of the winch - see Technical Data - chapter 1.3.
- Prior to work, lift the supporting legs of the winch

When first mounting the winch, check the P.T.O. shaft length.

Check the P.T.O. shaft length, by lifting and lowering the winch to determine the shortest distance between the connecting shafts. In this position the tubes of the mounted P.T.O shaft should be approx. 20 mm shorter.

In case P.T.O. shaft is too long, it must be shortened:

- Saw off steel and plastic tubes on both ends to the same length. Afterwards file down, clean and grease the edges.

When using our machines, we recommend Tajfun PTO Shafts:

Model	Dimensions	Compatibility
PTO Shafts C Line-T 2BR+KK560	1 3/8"Z6 - 1 3/8"Z6;L _{KK} = 560	EGV 35 A, EGV 45 A
PTO Shafts C Line-T 4BR+KK560	1 3/8"Z6 - 1 3/8"Z6;L _{KK} = 560	EGV 45 AHK, EGV 55 A, EGV 55 AHK, EGV 65 A, EGV 65 AHK, EGV 65 AHK ZS
PTO Shafts C Line-T 6BR+KK560	1 3/8"Z6 - 1 3/8"Z6;L _{KK} = 560	EGV 85 A, EGV 85 AHK, EGV 105 AHK, DGV 2X55 AHK

Always place the winch on the level surface. After disconnecting the winch from the tractor, PTO shaft may remain mounted to the winch and laid on the hook.

3.1. CONTROL CONSOLE

(Diagram, Page 9)

Connect the winch power cable into the tractor electrical socket (See: Electrical diagram A, page: 9). Connect the control console into the socket on the winch.

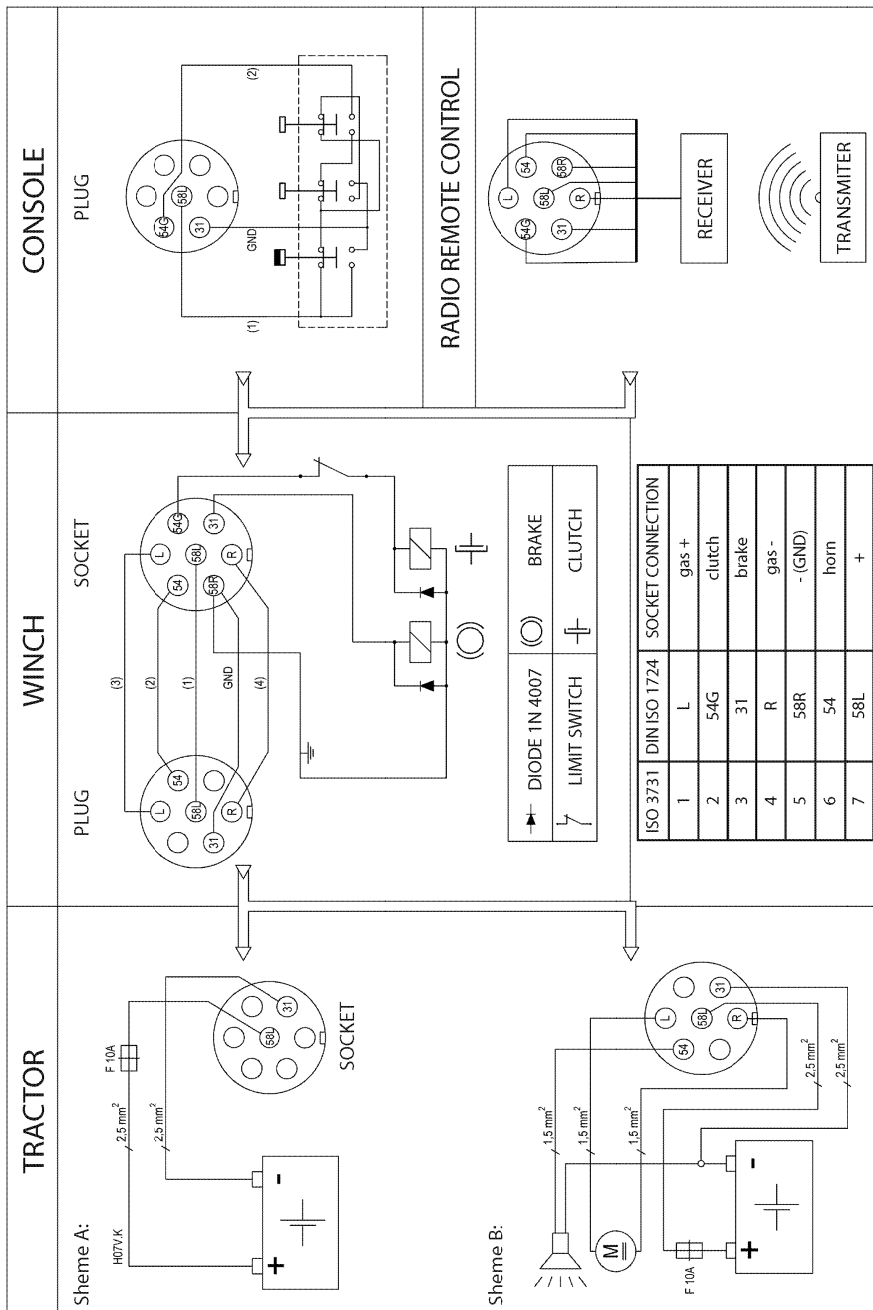
Before beginning of work turn tractor position lights ON.

3.2. RADIO REMOTE CONTROL

(Diagram, Page 9)

Hydraulic winch can also be controlled using radio remote control. To enable radio remote control, instead of plugging in the control console, plug the radio remote control receiver into the socket on the winch. Connect the winch power cable into a specially prepared socket on the tractor (See: Electrical diagram A, Page 9), where you can also connect the horn and gas control unit (See: Electrical diagram B, Page 9).

Observe radio remote control unit manufacturer's instructions!



Check that the power source provides 12 V voltage and current protection with 10 A fuses, otherwise the electrical system may malfunction. The minimum cross-section of a single wire from the power source must be at least 2,5 mm².

4. FUNCTION AND OPERATION OF THE WINCH

**Observe all safety instructions (Chapter: 2.)!
Also follow important tips in the frames!**

4.1. RELEASE THE WIRE ROPE (PERMANENT BRAKE RELEASE) **(Figure 4)**

Control Console **Type A:**

By switching on the **»Wire rope release«** switch on the control console, release the brake band so that the drum is released, too, to turn freely. The wire rope can be pulled off the drum. Make sure that the wire rope pulling power is set correctly (Chapter: 4.5).

As long as the **»Wire rope release«** switch is ON, the remaining bottoms on the control console are out of function.

Control Console **Type B:**

Push and hold the **»Brake release«** button on the control console, to release the brake band and allow drum rotation. Now, the wire rope can be pulled off the drum. Make sure that the wire rope pulling power is set correctly (Chapter: 4.5.).

Push the **»Pull«** button to stop the wire rope release.

When pulling the wire rope use constant force without jerking which may cause the loosening of the wire rope on the drum and building loops.

When uncoiling the wire rope off the drum, be careful not to rip it off at the connecting point.

4.2. PULLING (COILING THE WIRE ROPE) **(Figure: 4)**

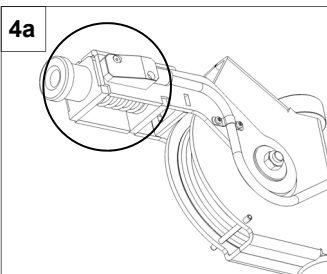
Control Console **Type A:**

By switching off the **»Wire rope release«** switch and pushing the **»Pull«** button on the control console the winch starts to pull. When the **»Pull«** button is released, the pulling is interrupted. During the interruption, the brake band automatically switches on and prevents the load from sliding when the pulling is stopped.

Control Console **Type B:**

By pushing the **»Pull«** button on the control console the pulling is engaged. **The pulling is stopped** when you release the **»Pull«** button on the control console.

The brake prevents the load from sliding backwards when pulling is stopped.



Limit switch (Fig. 4a) automatically shuts down pulling, when rope is fully coiled.

When limit switch shuts down pulling, you must pull out approx. 15 cm of rope to release limit switch spring.

Although the power of the PTO shaft drive remains constant, the pulling power changes.

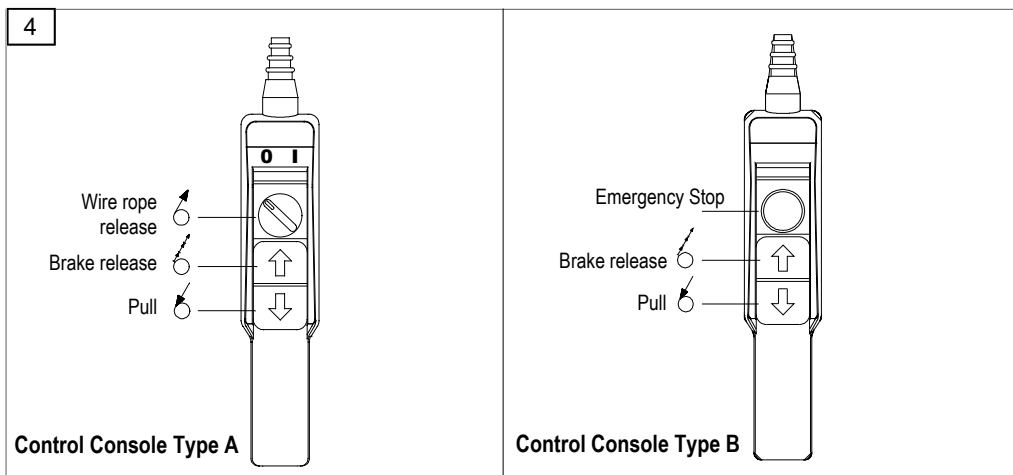
It is useful to know that at the constant drive power, the pulling power depends on the length of the wire rope coiled to the drum. The strongest pulling power is achieved at the first layer of coils. By multilayer coiling the pulling power decreases progressively. The pulling power changes in inverse proportion to the pulling speed, which is highest when the wire rope is fully coiled.

The nominal pulling is the highest power achieved by the winch with the first layer of coils on the drum. It is defined in the technical data section of this operating instructions and on the type plate of each winch. By increasing the number of coil layers on the drum, the pulling power decreases. With the full drum the pulling power comes to 50 % to 60 % of the nominal pulling power.

4.3. RELEASING THE WIRE ROPE UNDER LOAD (Figure 4)

The brake prevents tied load from sliding back, when you stop the pull. To release the stretched wire rope, **quickly** push and release the »**brake release**« button repeatedly to prevent the drum from uncoiling suddenly and loosening the coiled wire rope.

- If the wire rope on the drum gets loose, the outer coils of the wire rope get under the inner coils at the repeated pulling, and the wire rope gets damaged quickly.
- (See: Coiling the wire rope tightly onto the drum.: 4.4.1.).



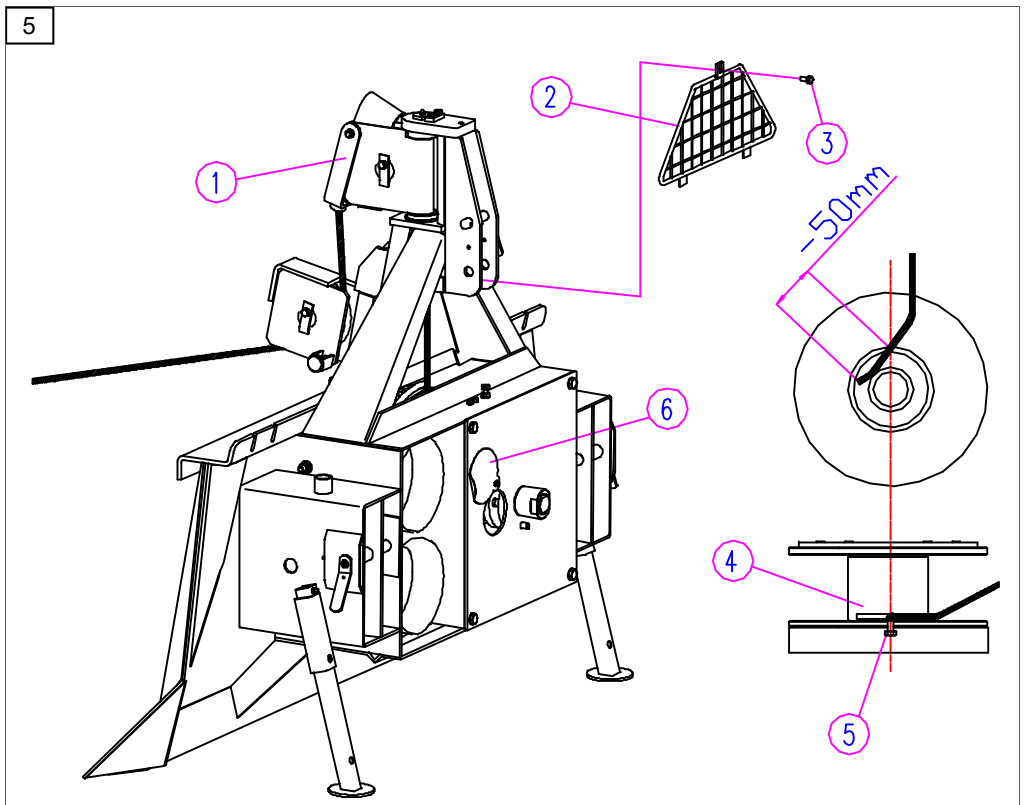
EMERGENCY STOP (Control Console **Type B)**

By pushing the »**Emergency Stop**« button, the pulling and wire rope release functions are stopped. The button mechanically locks in the pushed position. In this position the pulling or wire rope release functions do not work. Turn the button slightly to the right to disengage the emergency stop. In case any function button is pushed when the emergency stop is disengaged, the machine will detect the malfunction and prevent the »pushed« button from operating.

4.4. INSTALLING A NEW WIRE ROPE

(Figure 5)

- If the winch is mounted to a tractor, first disconnect the PTO shaft, and switch of the tractor engine
- Remove the triangular shield **2** by unscrewing the screw **3**
- Remove the cover **6**
- Turn the drum to the position which will enable you to reach screw **5** through the opening
- By using the ring spanner No 19 partly unscrew screw **5** and pull out the old wire rope
- Pass the wire rope through the upper pulley **1** into the winch to the outer sidewall of the drum. Slide the wire rope approximately 50 mm into the opening in the drum hub **4**
- Fasten the wire fixing screw **5**
- Reinstall the cover **6** to close the opening and install the triangular shield **2**
- **Coil up the wire rope onto the drum tightly (Chapter: 4.4.1.).**



4.4.1. COILING THE WIRE ROPE TIGHTLY ONTO THE DRUM

First, uncoil the wire rope completely and check its quality. Afterwards push the “**Pull**” button to coil up the wire rope onto the drum (Figure: 4).

Pay attention to coil the first five coils using minimum force and the rest of the wire rope using higher force.

You can achieve this in two ways:

- By pulling the load;
- By fastening the wire rope to a fixed object, so that the tractor is pulled towards this object. It is recommended to do this on a slight incline, so the tractor is pulled uphill, or by braking slightly.

WARNING: The wire rope must always be tightly coiled up onto the drum - before starting the work with a new winch it is necessary to uncoil the wire rope completely without any load, check its quality and tightly coil it back onto the drum: first five coils should be coiled by using minimum load and the rest of the wire rope using higher load!

When uncoiling the wire rope off the drum, be careful not to rip it off at the connecting point.

4.4.2. WIRE ROPE QUALITY

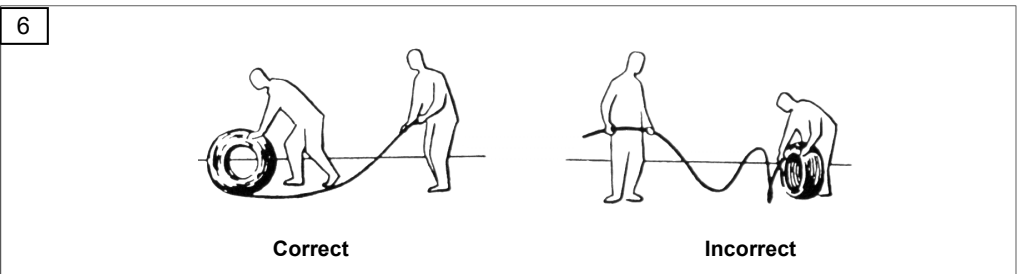
- Only unused wire rope can be reclaimed.
- Use only attested wire rope with a minimum brake point, specified in the technical data (Chapter: 1.3.).
- The wire rope must not be longer than maximum length, specified in the technical data (Chapter: 1.3.).

4.4.3. WIRE ROPE UNCOILING

(Figure: 6)

WARNING:

When handling the rope, pay attention that the wire rope does not make loops when coiling or uncoiling it.



4.5. SETTING THE WIRE ROPE RELEASE POWER

(Figure: 8)

The wire rope release power must be set correctly, so the drum stops immediately after releasing the wire rope. This prevents the wire rope on the drum from releasing by itself.

Set the wire rope release power using the wing nut **41**

- By screwing or unscrewing the wing nut **41**, the wire rope release power increases or decreases.

4.6. SETTING THE WINCH BRAKE POWER

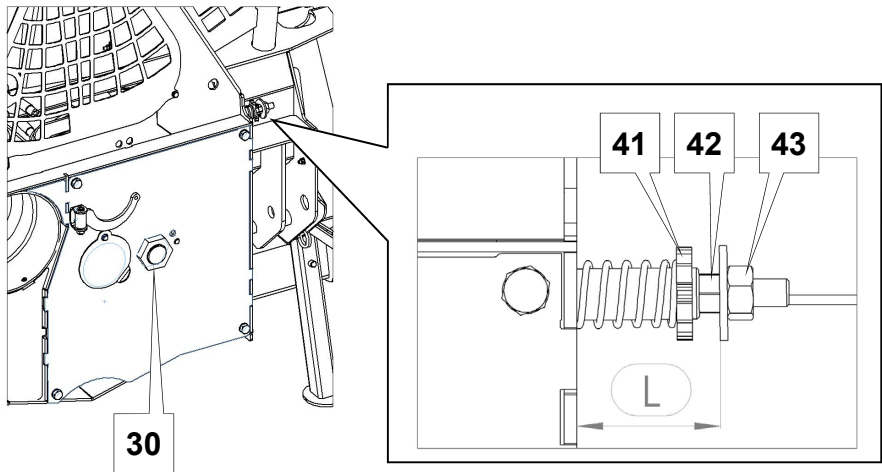
(Figure: 8)

The brake band is factory set to the brake power which is 25 % higher than the nominal pulling power of the winch. The brake power changes due to the wear of the brake band lining and has to be readjusted periodically. Properly adjusted brake band prevents the load from sliding backwards when in the »ON« position and allows pulling the wire rope out of the winch, when the brake handle is in the »OFF« - »permanent brake release« position.

- Set the brake power by screwing or unscrewing the drawn cup **42**, to reach the distance **L**. (**Distance »L« is only an orientation point for approximate setting of brake power.** Exact setting can only be achieved by using a measuring instrument).
- By screwing the drawn cup **42** from its starting position, you increase the brake power, and vice versa.
- Using spanner No 19 screw the counter nut **43** to prevent unscrewing of the drawn cup **42**.

	EGV 45 AHK	EGV 55 AHK	EGV 65 AHK	EGV 85 AHK
L	52 mm	52 mm	52 mm	50 mm

8



4.7. SETTING THE CLUTCH CYLINDER STROKE

(Figure: 8)

By pushing the »Pull« button, clutch cylinder **8** pushes the drum towards the clutch which starts to turn. When you release the button, the drum returns to its original position. This axial cylinder stroke must be minimal and never larger than 5 mm. When the clutch gradually wears-off, the stroke must be lowered. Therefore it is recommended to control the clutch cylinder stroke constantly.

- The drum stroke adjustment is performed in “PERMANENT BRAKE RELEASE” position
- Screw the nut **30** to the right until the drum starts to turn (P.T.O shaft must be connected), without pushing the »Pull« button
- Turn the nut **30** slightly to the left until the drum stops turning
- To prevent unwanted pulling turn the nut **30** an additional 3/4 turn to the left
- Check the stroke.

WARNING:

In case the clutch cylinder stroke increases over 7 mm the oil may start leaking around the piston.

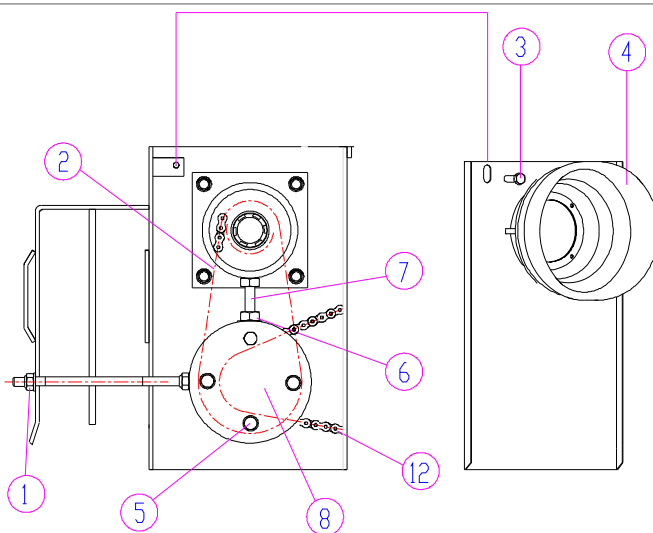
4.8. CHECKING AND TIGHTENING THE DRIVE CHAIN

(Figure 9)

During the operation and under the load, the drive chain stretches, therefore the operator must check and readjust the chain periodically to prevent excessive wear of the whole chain drive. The chain must not be set to tight and chain slack should be set 1 to 3 mm. The shorter chain should allow ± 1 mm slack and the longer chain ± 3 mm. Check the tightness of the chain by hand, pushing the chain between the chain wheels.

Procedure:

- If the winch is connected to the tractor, shut down the tractor and disconnect the PTO shaft.
- Unscrew the screw **3** and remove the chain cover **4** by pushing it upwards.
- Loosen both screws **5** by approximately one turn, to move the drive chassis **8**.
- First tighten the shorter chain **2** using the tensioning screw **7** and counter nut **6**. Screw the counter nut tightly, afterwards. The slack of the shorter chain should be ± 1 mm.
- Tighten the longer chain **12** by screwing the nut on the tightening screw **1** until you reach the desired chain slack: ± 3 mm.
- Screw the screws **5** tightly.
- Lubricate the chain using special chain lubrication spray.



5. SERVICING AND MAINTAINING THE WINCH

Regular and proper maintenance is necessary for trouble free and long-life operation of the winch.

5.1. TROUBLESHOOTING

PROBLEM :	POSSIBLE CAUSES:	ACTION:
The winch does not react to controls when you push the button on the control console (or by pushing the buttons on the remote control, when controlling the winch remotely).	Not enough pressure in the hydraulic system.	Check if the winch drive is engaged (PTO shaft must be connected, otherwise the pump does not function) Check the oil quantity in the reservoir.
	System is not powered.	Check the electrical connection on the tractor and check if tractor position lights are lit (check the remote control battery) Check and clean the corroded battery contacts, if necessary.
	The control valve does not work.	Check if the system is powered (see the solution above) In case the control valve is only blocked temporarily, you can unblock it by pushing the control console buttons and magnet push-caps simultaneously. The push-caps are located in the middle of the magnet surfaces.

PROBLEM	POSSIBLE CAUSES	ACTION
The winch pulling power is low.	Too much wire rope on the drum.	(Chapter: 4.2., 4.4.).
	Greasy clutch plates (improper chain drive lubrication).	Clean the surface of the clutch plates or replace the clutch plates. ⊗
	Worn out clutch plates.	Replace the clutch plates. ⊗
	Damaged driving component of the winch.	Replace the damaged components. ⊗
	Low oil pressure.	⊗
Oil pressure under 145 bar.	Not enough oil in the reservoir.	Check the reservoir oil level and add the oil if necessary, Find and seal the eventual oil leakage.
Too low oil pressure.	Pump malfunction.	Contact the service department. ⊗
	Incorrectly adjusted operating pressure.	
	Not enough oil in the reservoir.	
Sudden pressure loss when winch is not operating.	Non-return valve malfunction.	Contact the service department. ⊗
	Seat unloading valve malfunction.	
	Control valve malfunction.	
	Pressure accumulator malfunction.	
The brake force is incorrect.	Incorrectly adjusted brake.	Set the brake power according to the instructions (Chapter: 4.6.).
	Brake band lining is greasy.	Clean the brake band lining and the drum surface. ⊗
	Damaged brake mechanism.	Replace the damaged parts. ⊗
	Worn out brake band.	Replace the brake band. ⊗
Wire rope is hard to pull out.	Incorrectly set wire rope release power.	Set the wire rope release power according to the instructions (Chapter: 4.5.).
	Damaged wire rope.	Replace the wire rope (Chapter: 4.4.).
	Damaged brake band.	Replace the brake band. ⊗
The winch is pulling when the clutch is disengaged.	Incorrectly adjusted clutch cylinder stroke.	Adjust the clutch cylinder stroke (Chapter: 4.7.).
	Damaged drum.	Replace the drum. ⊗
	Damaged clutch plates.	Replace the clutch plates. ⊗

⊗ More demanding procedures must be performed by a qualified technical service, only.

Hydraulic oils:

Factory filled oil:	Replacement oils:
Hydrolubric - VGS 46	Castrol Hyspin AVH 46
	Mobil DTE 16
	Shell TELLUS T46
	BP Energol SFA 46
	SETRAL Poclairn

5.2. MAINTENANCE PLAN

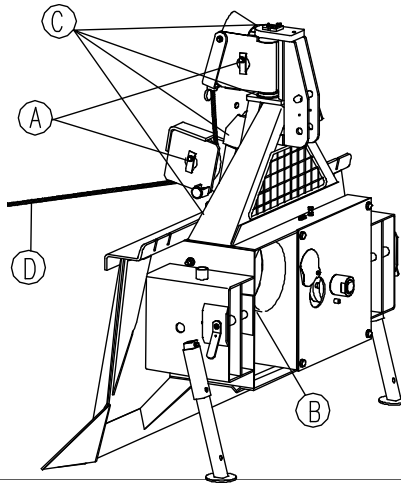
Before starting any operation, the winch must be checked visually and functionally:

- All nuts and screws must be screwed tightly
- There should be no mechanical damages
- All safety devices are installed on the connecting parts of the winch
- The PTO shaft is correctly connected and secured by the safety chain
- The bottom links of the tractor are correctly fixed and prevent the winch from moving horizontally
- The clutch is operating properly
- Brake band is operating properly
- The wire rope release power is set correctly
- Remove all faults and deficiencies before starting the operation.

WHAT to do?		WHEN?	HOW?	
<ul style="list-style-type: none"> • Release the rope and coil it tightly onto the drum, • Check if the wire rope is undamaged, • Check if the wire rope is fixed properly 		<ul style="list-style-type: none"> • When using a new winch • When the wire rope is loose on the drum 	Visually Ch.: 4.4.1.	
• Checking and tightening of the chain		Every 48 hours of operation	Ch.: 4.8.	
• Clutch plates replacement		When necessary	⊗	
• Brake band replacement		When necessary	⊗	
• Oil replacement and filter		After 48 hours of operation, the once a year		
• Lubrication (Figure 10)	A	Cable pulley's bearing	No lubrication	
	B	Drive chain	Every 48 hours of operation	Chain Lubrication Spray
	C	The upper and lower pulley beds and other sliding elements.	At least once a month	Lithium grease oil
	D	Wire rope	Once a month	Lithium grease
• Cleaning the framework interior		Every 100 hours of operation or more frequently in case of harsh operating conditions		

⊗ More demanding procedures must be performed by a qualified technical service, only.

The machine is functionally and safety tested. In case of breakdown it is necessary to use only original spare parts to ensure flawless and safe operation. The customer loses all claims of warranty if non-original spare parts are used, if the winch is not maintained according to maintenance plan, if repairs are performed unprofessionally or by unqualified person.



5.3. CONSEQUENCES OF OVERLOAD AND MISUSE OF LOGGING WINCHES

- Burnt clutch plates
- Burnt brake band
- Damaged brake mechanism
- Torn chain
- Broken pulley or pulley bearing
- Damaged cardan shaft-s housing
- Damaged cardan shaft-s or chain sprockets
- Bent framework (couplings, safety elements, drive carrying elements, pulleys, ...)
- Torn "new" wire rope or linking chain of appropriate strength
- Bent drum axle
- Torn brake band

5.4. SPARE PARTS ORDERING

When ordering spare parts it is necessary to provide the following information:
Winch type, serial number and year of manufacture;
catalogue number, name and quantity of the spare part; Exact customer's address.

The manufacturer warrants the availability of any spare parts and service for the period of 10 years following the purchase of the machine.

EC - Declaration of Conformity

Manufacturer:

**TAJFUN Planina, proizvodnja strojev d.o.o.,
Planina 41a, 3225 Planina pri Sevnici, Slovenia**

declares with full responsibility that the products mentioned hereinafter:

LOGGING WINCHES

Type:	Serial Number:	Type:	Serial Number:
EGV 45 AHK	202522-XXXXX	EGV 65 AHK ZS	211140-XXXXX
EGV 45 AHK SG	211941-XXXXX	EGV 65 AHK ZS SG	210414-XXXXX
EGV 55 AHK	202524-XXXXX	EGV 65 AHK ZS 1.8M	211543-XXXXX
EGV 55 AHK 1.8M	202509-XXXXX	EGV 65 AHK ZS 1.8M SG	211595-XXXXX
EGV 55 AHK SG	210160-XXXXX	EGV 65 AHK ZS 2.05M	248636-XXXXX
EGV 55 AHK 1.8M SG	210161-XXXXX	EGV 65 AHK ZS 2.05M SG	248637-XXXXX
EGV 65 AHK	202526-XXXXX	EGV 85 AHK	202528-XXXXX
EGV 65 AHK SG	209096-XXXXX	EGV 85 AHK SG	209131-XXXXX
EGV 65 AHK 1.8M	202510-XXXXX	EGV 85 AHK 1.95M	202511-XXXXX
EGV 65 AHK 1.8M SG	209095-XXXXX	EGV 85 AHK 1.95M SG	209132-XXXXX
EGV 65 AHK 2.05M	207656-XXXXX	EGV 85 AHK 2.05M	202512-XXXXX
EGV 65 AHK 2.05M SG	209097-XXXXX	EGV 85 AHK 2.05M SG	209133-XXXXX

covered by this declaration complies with the requirements of:

Directive 2006/42/EC

and is in compliance with standards:

EN ISO 12100:2010, EN ISO 4254-1:2009,
EN 14492-1:2006, ISO/FDIS 19472:2005

The person authorized to compile the technical documentation at the manufacturer's address is the same as the signatory of this Declaration:

Planina, 13. 12. 2019

Iztok Špan
General Manager

WARRANTY SHEET

THE WARRANTY DOES NOT EXCLUDE THE CUSTOMER'S RIGHTS RESULTING THE MANUFACTURER'S LIABILITY FOR PRODUCT DEFECTS.

We guaranty:

- that the product will operate fault free, if operated according to enclosed operating instructions;
- that we will repair any fault or defectiveness within 45 days during the warranty period. In case the product is not repaired within the mentioned term, we will replace it with a new product on customer's request.

The product is warranted **12 MONTHS** from the day of purchase, which must be proved by the customer with the certified warranty sheet (stamp of the shop, date of purchase and salesman's signature, serial number and year of manufacture).

Warranty sheet is valid only if shown together with original invoice!

The warranty covers any parts against defects in material and workmanship. In case of repairs performed by unqualified person, or when using non-original spare parts, the customer loses all claims of warranty! Our warranty is void also in case of:

- Damages caused by not following these operating instructions;
- Damages which are customer's fault;
- Damages resulting from improper use or overload and operation in unsuitable conditions.

We shall provide service and spare parts for 9 years after the expiry of the warranty period.



Tajfun Planina d.o.o.

Planina pri Sevnici 41a
SI-3225 Planina pri Sevnici
Slovenija

W: www.tajfun.com

Product specifications (copy from the type plate):

Winch Type:	Serial number:	Year of Manufacture:
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Data on product sale:

STORE (company and headquarters):	Date of delivery:
	Stamp and signature of the salesperson: