

INSTRUCTION BOOK

# **FARMA T 6**

SERVICE AND SPARE PARTS

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## **1 INTRODUCTION**

This manual deals with the **T 6** forest trailer and contains all the operating and maintenance instructions you need for using the trailer safely and correctly.

Even if you are experienced user of this kind of equipment, read this manual carefully.

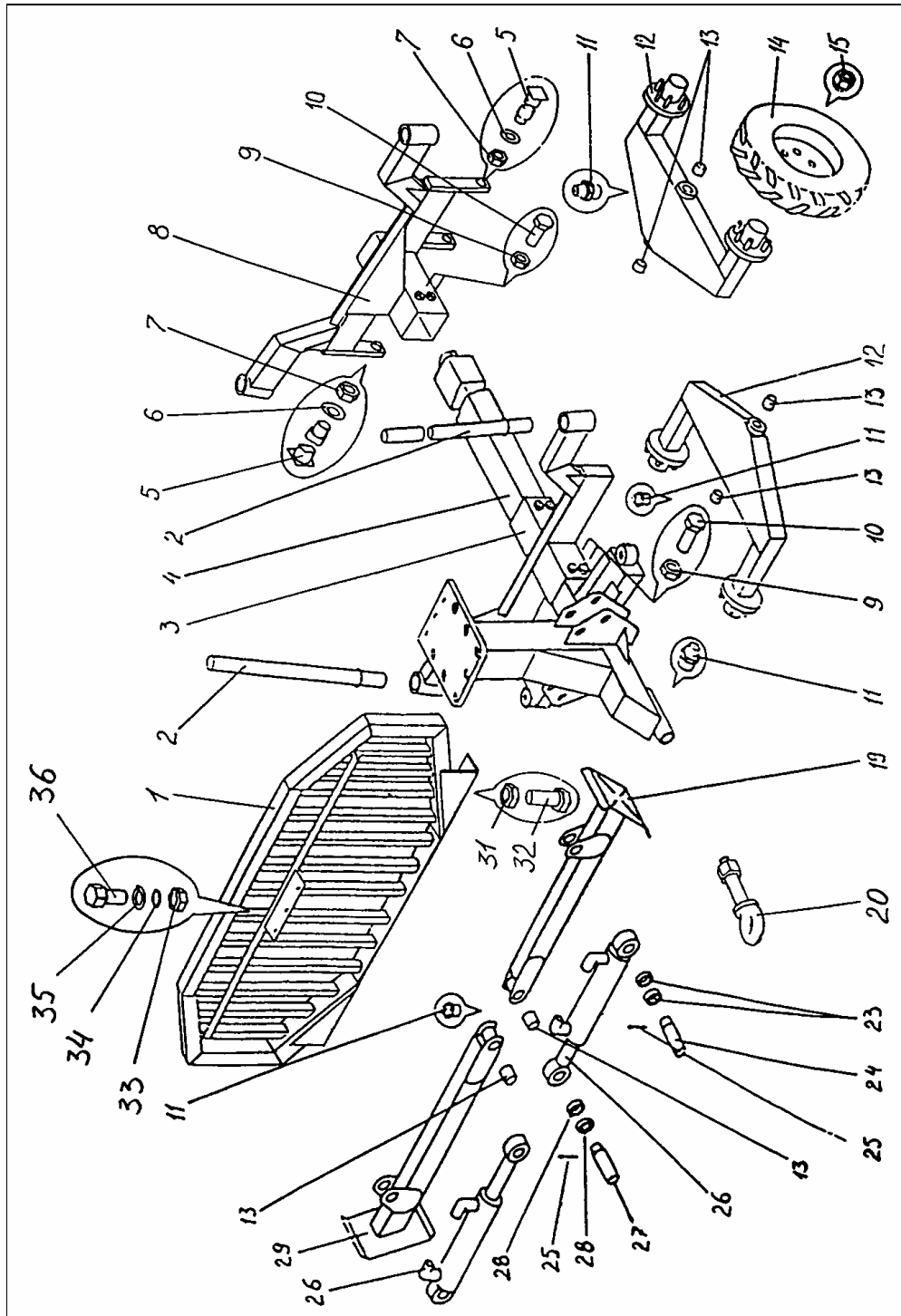
It contains information that enables the trailer to be used efficiently and safely. Make sure that this trailer corresponds to your demands.

Regular maintenance is essential for troublefree, efficient and economical utilization.

It is the operator duty to familiarize and obey all safety precautions and instructions carefully.

**2 TECHNICAL SPECIFICATION**

**2.1 CONSTRUCTION OF THE TRAILER**



## 2.2 SPAREPART LIST FOR TRAILER T 6

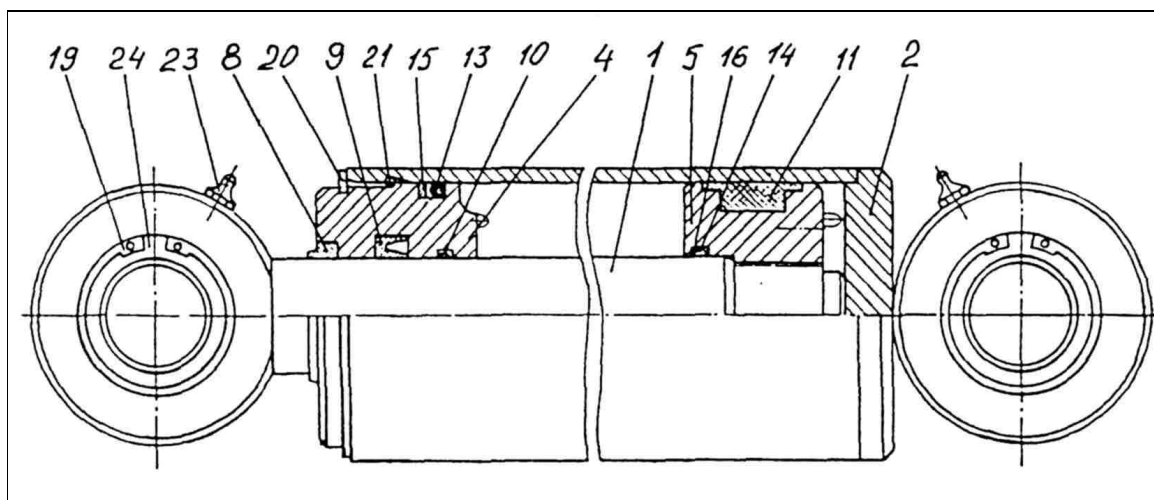
Production no FMW 14

Pos no	Art no	Number	Sparepart	Dimension	Pcs
1	14001	F14-0820000.000	Backwall		1
2	14002	F14-150000.000	Pin		4
3	14003	F14-160000.000	Material holder		1
4	14004	F14-0710000.000	Frame		1
5	14005	M13-01005000.000-010	Axle-bolt		2
6	14006		Plane washer	ø20	2
7	14007		Nut	M24	4
8	14008	M14-060000.000	Wheel support		1
9	14009		Nut	M16	8
10	14010		Bolt	M16x45	8
11	14011		Grease nipple	1/8"	7
12	14012	M14-090000.000	Bogie side		2
13	14013		Glide bearing	PAP2530P10	8
14	14014		Wheel	11,50/80-15,3	4
15	14015		Wheel nut		24
19	14016	M14-140000.000-010	Stabilizer leg		1
20	14017	M13-000010.000	Pull hook		1
23	14018	M14-000000.001-010	Distance ring		4
24	14019	M14-000000.002	Axle bolt		2
25	14020		Split pin	ø4x40	7
26	14021	M14-100100.000-020	Hydraulic cylinder	63/32-300	2
27	14022	M14-000000.002-020	Axle bolt		4
28	14023	M14-000000.001	Distance ring		4
29	14024	M14-140000.000	Stabilizer		1
30	14025	S 5,5	H-hose for stabilizer	L=3350	4
32	14026		Bolt	M20x80	2
33	14027		Nut	M12	3
34	14028		Spring washer	12 mm	3
35	14029		Washer	12 mm	3
36	14030		Bolt	M12x40	3

## 2.3 HYDRAULIC CYLINDERS

Sparepartlist for Hydraulic-cylinder 63/32-300  
 Stabilizer cylinder for trailer T6; T7; T8 ton trailer  
 Production no M14-100100000-020.

Pos nr	Art no	Number	Sparepart	Dimension	Pcs
1	55601	M13-100320.000-020	Piston rod		1
2	55602	M14-100110.000-020	Tube		1
4	55603	M13-100300.001	Front bush		1
5	55604	M13-100300.002	Piston		1
8	55605		Scrape-ring	AS 32-45-7-10	1
9	55606		Sealing	NI300 32-47-10	1
10	55607		Buch	DFI 32-35,1-4,0	1
11	55608		Sealing	Simco 5x2 63-47-29,8	1
13	55609		O-ring	52,2x5,7	1
14	55610		O-ring	32,2-3,0	1
15	55611		Sealing	SRA 63-5,1-1,5	1
16	55612		Sealing	SRI 32-2,6-1,0	2
19	55613		Lock-ring	SGH 42	2
20	55614		Lock-ring	SGA 60	1
21	55615		Lock-ring	N 72240	1
23	55616		Grease-nipple	1/8"	2
24	55617		Joint bearing	GE25ES	2



**2.4 TECHNICAL DATA**

<b>TRAILER T 6</b>	<b>6 t</b>
Loading area, m <sup>2</sup>	1,4
Ground clearance, mm	400
Center beam, mm	120x120x6,3
Axle, mm	60x60
Length, m	4,2
Width, m	1,8
Wheels	11,5/80-15,3
Loader weight, kg	900

## 3 OPERATING INSTRUCTIONS

### 3.1 SAFETY

- ❑ Read the manual before operating the trailer. Neglecting the instructions can cause danger to operator and machine.
- ❑ Operator must have sufficient training for using this machine.
- ❑ Do not use the trailer until you are familiar with the controls.
- ❑ Before loading works, ensure there is no one in danger zone (20 m).



### **DON'T FORGET TO LIFT THE SUPPORT LEGS UP BEFORE MOVING TO ANOTHER PLACE.**

- ❑ Operator must have full visibility all over working area.
- ❑ The vehicle must be on stable ground and positioned securely. Support legs must be used while loading to prevent the trailer tipping over.
- ❑ Use vehicles parking brakes during the loading.
- ❑ Do not exceed maximum loading values.



### 3.2 INSTRUCTIONS FOR SAFE OPERATION

#### **SUPPORTING THE TRAILER**

- Always engage the base machines parking brakes before loading. If necessary put some obstacles in front of wheels.
- Always use support legs. Make sure the trailer is situated at firm terrain.



**DO NOT USE SUPPORT LEGS FOR LIFTING THE LOAD. USE SUPPORT LEGS ONLY FOR SUPPORTING THE TRAILER.**

#### **MANIPULATING THE HYDRAULIC FUNCTIONS**



**NEVER CONTROL THE HYDRAULIC FUNCTIONS FROM ONE EXTREME POSITION TO ANOTHER WITH SPEED! THIS MAY CAUSE OVERTURNING THE TRAILER.**

- Avoid loading on a slanted ground or at least work with extreme cautiousness.
- When working on a slanted surface load less than usual.



**ALWAYS ENGAGE THE BASE MACHINES PARKING BRAKES BEFORE LOADING WORKS. IF NECESSARY PUT SOME OBSTACLES IN FRONT OF WHEELS.**

### 3.3 WORKING AT EXTREME CONDITIONS

Recommended working temperature range for trailer is **-30°C up to +40°C** .

Note that working at low temperatures accelerates hydraulic gaskets wearing and increases hydraulic hoses exposure to damages and steel constructions exposure to brittle fracture. Before start working at cold conditions let the oil circulate freely through system a few minutes.

Slowly drive every action through several times so that gaskets come pliable before they receive full pressure.

At exceptionally warm conditions beware of hydraulic oils excessive heating. Too high oil temperature (higher +80°C) degrades oil and damages gaskets.

## 4 MAINTENANCE INSTRUCTIONS

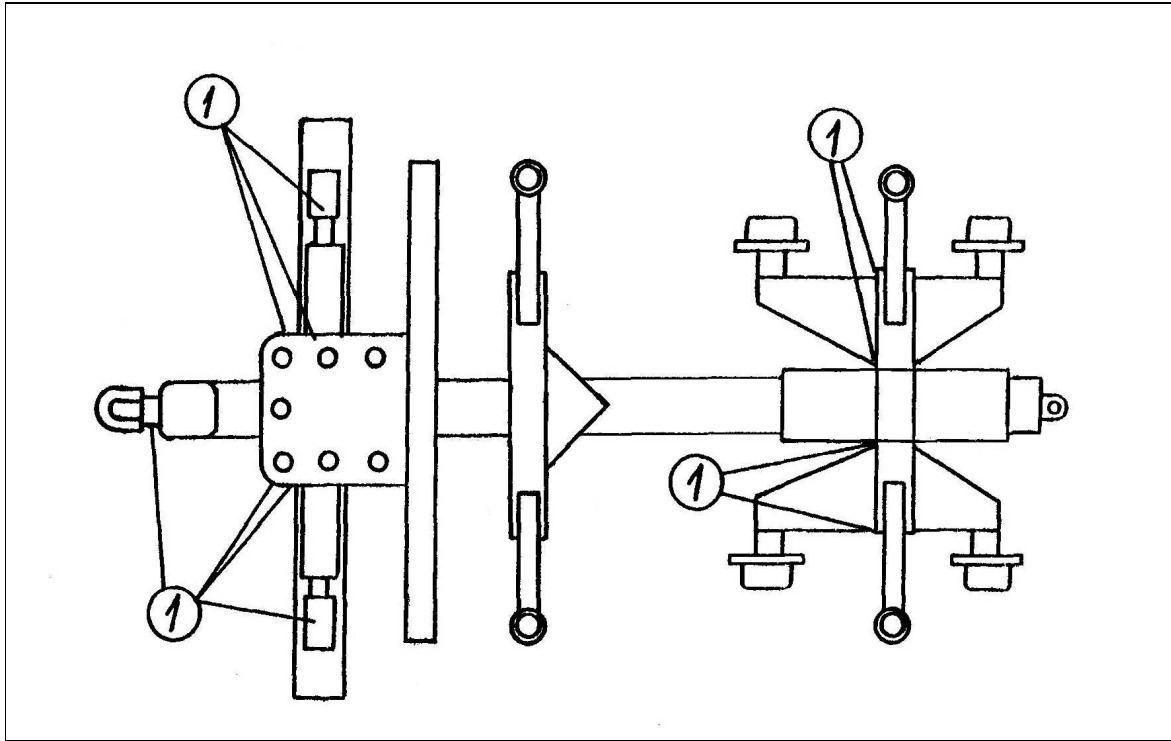
### 4.1 SAFETY



**READ THE MAINTENANCE INSTRUCTIONS BEFORE SERVICE OR MAINTENANCE WORKS. DO NOT ATTEMPT TO PERFORM SUCH MAINTENANCE WORKS WHICH YOU DO NOT FULLY UNDERSTAND**

- Repair all safety endangering defects immediately.
- Check that the trailer is on a level and stable ground.
- Use vehicles parking brake during maintaining the trailer. Make sure that nobody can unnecessarily have access to trailers or vehicles controls.
- Never attempt to do maintenance works on the hydraulic system before you are sure there is no pressure.
- Do not tighten or repair a leaking hydraulic couplings while the system is pressurized.
- Never attempt to localize a leakage from hoses or connections by feeling with hand. The high pressure oil jet can penetrate skin and cause serious burns and damages. High pressure oil is also highly flammable.
- Do not work under such device that is sustained only by hydraulics. During maintenance use supports.
- Avoid getting oil into eyes. Use safety goggles and gloves.

4.2 LUBRICATION



Recommended grease BP LS-EP2 , I 21M



**PAY SPECIAL ATTENTION TO THE TOWBAR CYLINDER.  
GREASE IT AFTER EVERY 50 WORKING HOURS.**