

INSTRUCTION
for Installation and Operation of
Wheel Doubling Set for
Tractors K-744R2/R3/R4

7430-4704000-2ИМ

1. INTRODUCTION

Tractors K-744R2, K-744R3, K-744R4 can be equipped with extra wheels to work at wet soil (early spring works, etc.) as this helps to reduce pressure over the ground and improves tractor's passing ability; the wheels are provided with an installation set.

The set includes 4 disk wheel assemblies (2 left and 2 right), 4 spacers, 56 bolts, 56 nuts.

2. SAFETY MEASURES

Observe safety measures for tractors K-744R2, K-744R3, K-744R4 according to technical description and operation manual for "Tractors Kirovets: K-744R1, K-744R2, K-744R3, K-744R4".

3. INSTALLATION

Before installation of spacers 1 (see Fig. 1), unscrew fourteen nuts (ШКЯМ 513.000 Nut AM22x1.5-6H) on each carrier of the both axles, whereas two remaining nuts B must be located in opposition to each other, as shown in Section A-A.

The set shall be installed in following sequence.

1. Hang main wheel of the tractor above the ground.

2. Install spacer 1 on the main tractor wheel, providing the alignment of the inner tube valve with hole B in the spacer. Tightening torque of the nuts for fastening the spacer to the main wheel (ШКЯМ 513.000 Nut AM22x1.5-6H) – 350^{+100} N·m (35^{+10} kgf·m), the tightening shall be performed crosswise.

3. Install extra wheel 2 or 3 on the spacer 1, comply with the following requirements:

- inner tube valve should coincide with hole B in spacer 1;

- direction of extra wheel tread pattern shall be the same as one of the main wheel.

4. After fixing the wheel, set the bolts 9 and tighten the nuts 11 of fastening extra wheel to the spacer. Tightening torque of the nuts 11 – 500^{+100} N·m (50^{+10} kgf·m), the tightening shall be performed crosswise.

4. RUNNING TEST AND MAINTENANCE

1. Set air pressure in tyres:

- for main tyres – 0.1 ± 0.01 MPa (1.1 ± 0.1 kgf/cm²);

- for extra tyres – 0.078 ± 0.01 MPa (0.8 ± 0.1 kgf/cm²);

2. Tractor with installed wheel doubling kit shall be run in for at least two hours without load, and then the tightening torque of main and extra wheel nuts shall be checked.

3. During shift maintenance (no more than in 10 engine hours of tractor operation), check the tightening torque of main and extra wheel nuts. Main wheels shall be tightened at the first maintenance (MS-1).

4. Tractor operation with installed kit for wheel doubling at haulage range gears is forbidden.

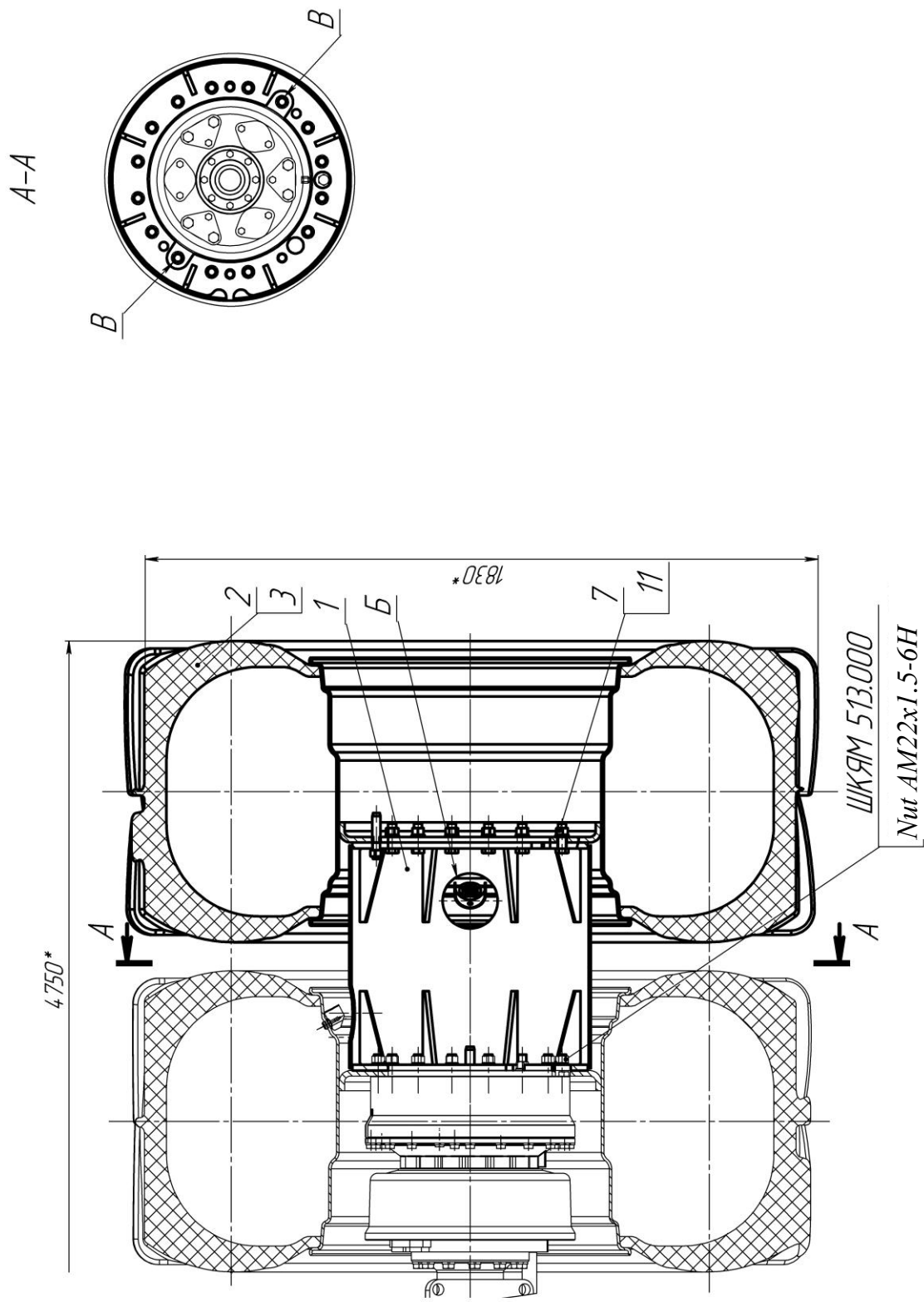


Fig. 1 Installation of doubling set

1 – spacer; 2 – right wheel; 3 – left wheel; 7 – bolt; 11 – nut

5. COMPLETE SET

The set includes:

No.	Designation	Description	Qty	Notes
1.	744P2-3100010	Right wheel	2	
2.	744P2-3100010-01	Left wheel	2	
3.	7430-4704010-2	Spacer	4	Put into box
4.	M22x1.5-6gx70.109.40X.016 GOST 7796-70	Bolt	56	
5.	ШКЯМ 513.000 Nut M22x1.5-6H	Nut	56	
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