

INSTRUCTION
for Installation and Operation of
Wheel Doubling Set for Tractors
K-743, K-744R4PrP

743-47.04.000 ИМ

1. INTRODUCTION

For ensuring the work of tractors K-743, K-744R4PrP on very moist soils (early spring works, etc.) for the purpose of reducing the specific pressure on soil and improving the tractor's passability, provision is made for installation on the tractors of extra wheels with parts for their installation.

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

2. SAFETY MEASURES

The safety rules of tractors K-743, K-744R4PrP should be observed in accordance with the Operation and Maintenance Manual of Kirovets Tractors of K-7 Series.

3. INSTALLATION

Before installation of spacers 1 (see Fig. 1), unscrew the fourteen nuts (ШКЯМ 513.000 Nut AM22x1.5-6H) on each carrier of the both axles, whereas the 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 the 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 spacer fastening 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 7 and tighten the nuts 11 of fastening additional wheel to 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 pairing 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 of the tractor shall be tightened during the first maintenance (M-1).

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

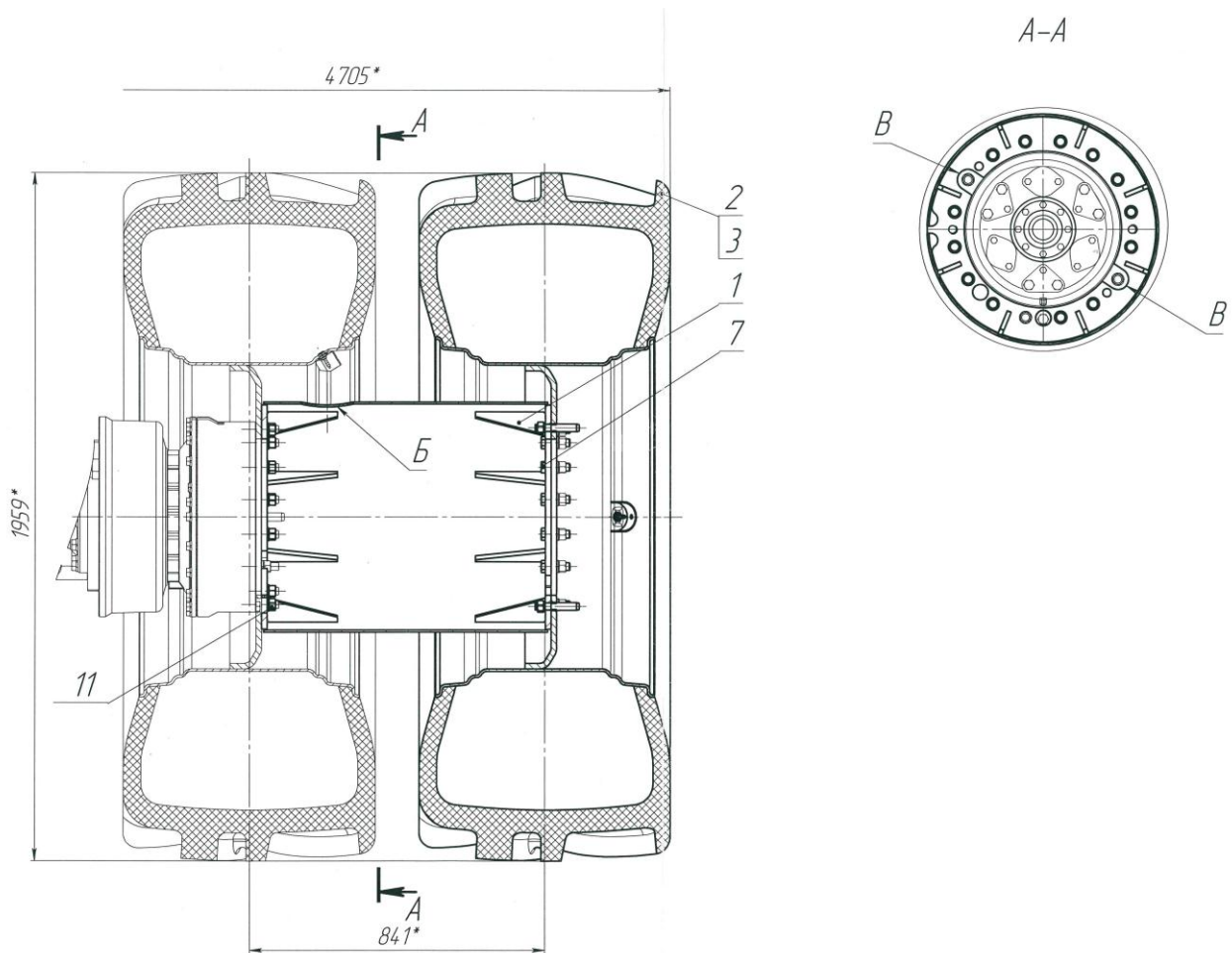


Fig. 1 Installation of doubling set

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

5. COMPLETE SET

The set includes

No.	Designation	Description	Q-ty	Note
1.	744P4-3100010	Right wheel	2	Put into box
2.	744P4-3100010-01	Left wheel	2	
3.	743-4704010	Spacer	4	
4.	M22x1,5-6gx70.109.40X.016 GOST 7796-70	Bolt	56	
5.	ШКЯМ 513.000 Nut AM22x1,5-6H	Nut	56	
6.	743-47.04.000 ИМ	Installation and Operation Instruction of Wheel Doubling Set of Tractors K-743, K-744R4PrP	1	