

XK 988-690

XK New Model 988 Tire Changer and 690 Balancer Instruction Manual

Brand: XK | Model: 988-690

1. SAFETY INFORMATION

Always prioritize safety when operating heavy machinery. Read and understand all instructions before use. Ensure proper personal protective equipment (PPE) is worn, including safety glasses and gloves.

1.1 Electrical Safety

- The machine operates on 110V power. Ensure the power supply is stable and correctly grounded.
- Do not operate the machine with wet hands or in damp conditions.
- Disconnect power before performing any maintenance or adjustments.

1.2 Pneumatic Safety

- The operating pressure for the tire changer is 6-8 bar. Do not exceed the maximum recommended pressure of 10 bar.
- Regularly check all air lines and connections for leaks.
- Ensure the air compressor is properly maintained and has a functional pressure relief valve.

2. UNPACKING AND ASSEMBLY

The XK 988-690 combo unit is heavy, weighing approximately 840 pounds. Proper equipment is required for safe unloading and assembly.

- A forklift or a fork on a tractor is required to unload this oversized shipment from the delivery vehicle or local freight terminal.
- Carefully unpack all components, ensuring no parts are missing or damaged.
- Follow the detailed installation video for step-by-step guidance on assembling the tire changer and balancer units.

Video 1: Official XK Tire Machine 988-680 Operation Video. This video demonstrates the assembly and initial operation of the tire changer.

Video 2: XK New Model 988 680 Tire Changer Machine Wheel Combo. This video provides an overview of the tire changer and balancer combo unit.

Video 3: XK Tire Machine Tire Changer 960-680-3. This video demonstrates the operation of a similar XK tire changer model.

3. SETUP

3.1 Electrical Connection

Connect the power cord to a grounded 110V outlet. Ensure the outlet meets the machine's power requirements (180-250W for the balancer).

3.2 Air Supply Connection

Connect the air supply line to the machine's air inlet. The operating pressure should be maintained between 6-8 bar. The regulator is adjustable up to 10 bar.



Image 1: Air regulator and filter unit. This component manages the air pressure and filters the air supply to the tire changer.

4. OPERATING INSTRUCTIONS - TIRE CHANGER (MODEL 988)

The XK 988 Tire Changer is designed for efficient tire mounting and dismounting. Always ensure the machine is stable and all connections are secure before operation.

4.1 Bead Breaking

- Position the wheel on the bead breaker. The bead-breaker force is 2500kgf.
- Operate the foot pedal to apply pressure and break the tire bead from the rim.
- The machine includes a hand-held bead blaster function to assist in seating stubborn beads.



Image 2: Bead breaker. This shows the side-mounted bead breaker separating the tire from the rim.

4.2 Tire Mounting and Dismounting

- Secure the wheel using the clamping jaws. Outside clamping range: 12"-20". Inside clamping range: 12"-24".
- Utilize the helper arm with double rollers, especially for low-profile tires, to facilitate smooth mounting and dismounting.

- The maximum wheel diameter is 41" and maximum wheel width is 12.5".



Image 3: Clamping jaws. The four jaws securely hold the wheel during tire changing operations.



Image 4: Helper arm. This auxiliary arm assists in managing tire beads, particularly for stiff or low-profile tires.

5. OPERATING INSTRUCTIONS - WHEEL BALANCER (MODEL 690)

The XK 690 Wheel Balancer ensures precise wheel balancing for optimal vehicle performance.

- Mount the wheel onto the balancer shaft using the appropriate centering cones and quick-release wing nut.
- Input the wheel's rim diameter (10"-24") and rim width (1.5"-20"). The maximum wheel diameter is 44" (1117mm) and maximum wheel weight is 155 lb.

- Select the desired balancing mode: standard dynamic, static, alu 1-3, or motorcycle mode.
- Initiate the balancing cycle. The cycle time is typically 4-7 seconds.
- Apply weights as indicated by the machine to achieve a balancing accuracy of -1g to +1g.



Image 5: Wheel balancer. A wheel is shown mounted on the balancer shaft, ready for the balancing process.

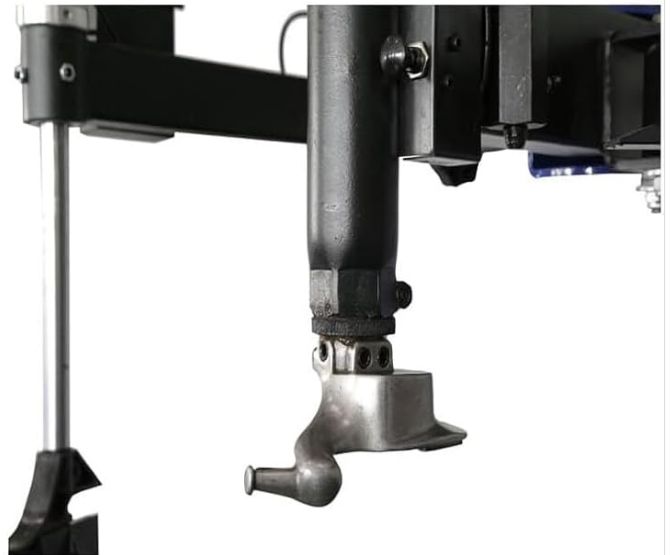


Image 6: Balancer control panel. The digital display and buttons allow for inputting wheel data and selecting balancing modes.

6. MAINTENANCE

- Regularly lubricate all moving parts of the tire changer and balancer to ensure smooth operation and longevity.
- Check all air lines and pneumatic connections for leaks periodically.
- Empty the water from the air filter's oil cup regularly to prevent moisture buildup.
- The wheel balancer may require recalibration over time. Refer to the manual for the calibration procedure.

7. TROUBLESHOOTING

- **Air Leaks:** If experiencing air leaks, particularly around the bead blaster or air lines, inspect all connections and ensure they are properly sealed. Teflon tape can be used on threaded connections.
- **Balancer Calibration:** If the balancer provides inconsistent readings or requests excessive weight, recalibration may be necessary. Follow the calibration instructions in the official manual.

- **Tire Changer Operation:** Ensure the tire is flush against the machine's backstop during bead breaking to prevent movement. When using the helper arm, ensure the tire bead is pushed down into the rim's drop center.

8. SPECIFICATIONS

8.1 XK 988 Tire Changer

Feature	Specification
Power Supply	110V
Motor Power	110V (2.0 Horsepower)
Outside Clamping	12"-20"
Inside Clamping	12"-24"
Max Wheel Diameter	41"
Max Wheel Width	12.5"
Bead-breaker Force	2500kgf
Operating Pressure	6-8 bar
Weight	397 lbs

8.2 XK 690 Wheel Balancer

Feature	Specification
Rim Diameter	10" - 24"
Rim Width	1.5" - 20"
Max Wheel Diameter	44" (1117mm)
Max Wheel Weight	155 lb
Cycle Time	4-7 seconds
Balancing Accuracy	-1g to +1g
Noise Level	<70 db
Power Supply	110/220V 50/60HZ
Max Power	180-250W

9. WARRANTY AND SUPPORT

The XK 988-690 combo unit comes with a 36-month parts replacement warranty. An 18-month parts warranty is also mentioned in customer feedback.

For any parts issues or support inquiries, please contact the seller directly. Prompt response and assistance are typically provided.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question