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TUXING TXEDT033

TUXING 4500Psi PCP Air Compressor User Manual

Model: TXEDT033

Information Components Setup Operation Introduction Safety Maintenance Troubleshooting Specifications Warranty
& Support

1. INTRODUCTION

Thank you for choosing the TUXING 4500Psi PCP Air Compressor (Model: TXEDT033). This high-pressure electric air pump is designed for efficient and reliable air compression for various applications, including PCP air rifles, paintball tanks, scuba diving, and tire inflation. Featuring a double-cylinder design, auto-stop, and auto-purge functions, along with a built-in water-oil separator and cooling system, this compressor ensures clean and consistent air delivery. Please read this manual thoroughly before operation to ensure safe and optimal performance.

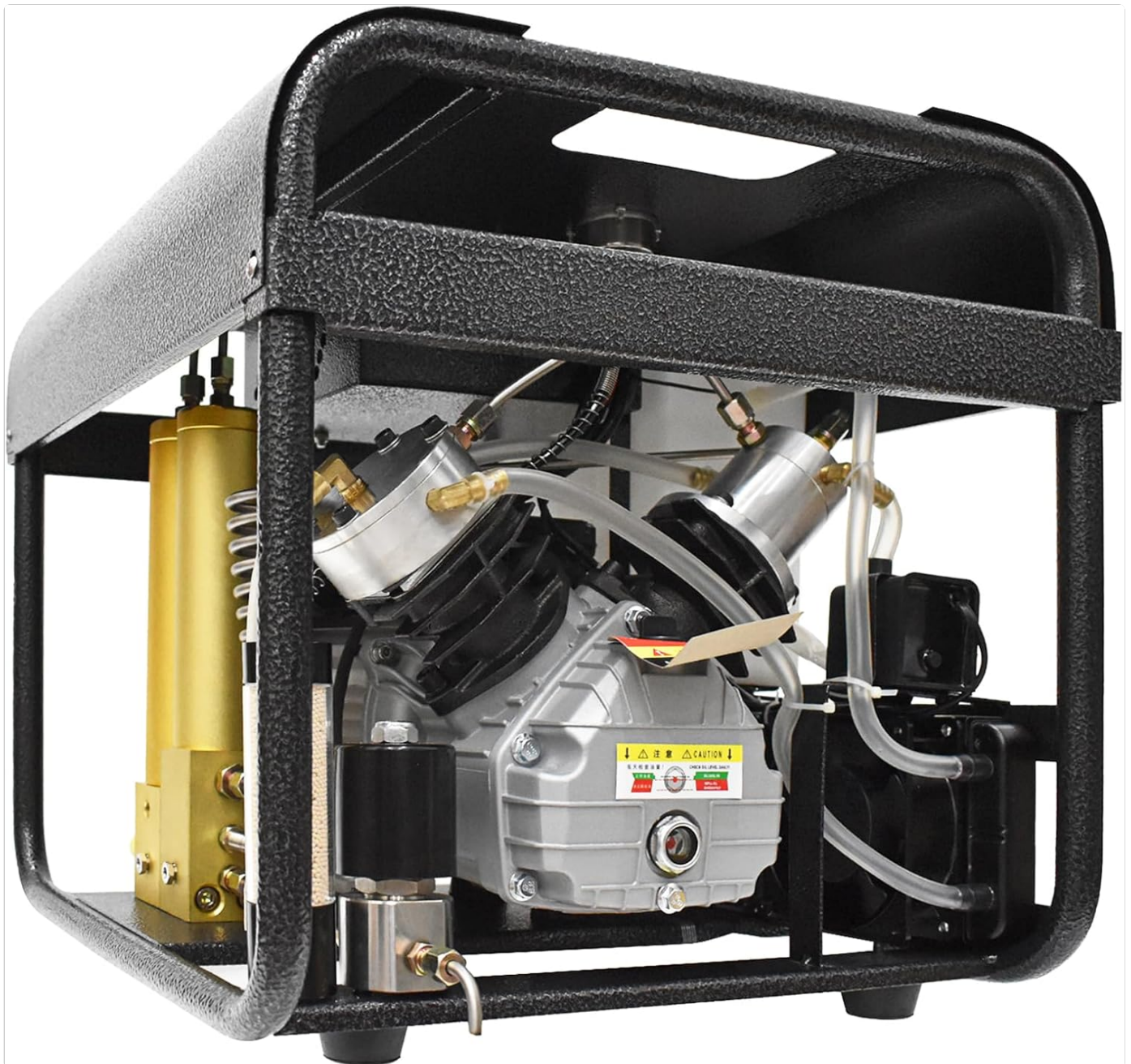


Figure 1: TUXING 4500Psi PCP Air Compressor, Model TXEDT033. This image shows the overall compact design of the compressor with its protective frame.

WIDE APPLICATION



Figure 2: Wide Application of the TUXING Air Compressor. This image illustrates common uses such as filling PCP rifles, paintball guns, and scuba tanks.

2. SAFETY INFORMATION

Operating high-pressure equipment requires strict adherence to safety guidelines. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Manual:** Always read and understand the entire instruction manual before operating the compressor.
- **Proper Ventilation:** Operate the compressor in a well-ventilated area to prevent heat buildup and ensure proper air circulation.
- **Cooling System:** The compressor requires a cooling system (water and fan) to operate safely. **ALWAYS ensure the water cooling system is filled and functioning before starting the compressor.** Failure to do so will lead to overheating and damage.
- **Pressure Limits:** Do not exceed the maximum operating pressure of 4500Psi (300 Bar / 30 MPa). The compressor features an auto-stop function, but always monitor the pressure gauge.

- **Electrical Safety:** Ensure the power supply matches the compressor's requirements (110V). Do not operate with damaged cords or plugs. Keep the compressor away from water sources during operation.
- **Water-Oil Separation:** Regularly drain the water and oil from the separator to maintain air quality and prevent internal damage.
- **Children and Pets:** Keep children and pets away from the compressor during operation.
- **Maintenance:** Perform regular maintenance as described in this manual. Disconnect power before any maintenance or inspection.
- **Emergency Shut-off:** Familiarize yourself with the power switch location for quick shut-off in emergencies.

3. PRODUCT OVERVIEW & COMPONENTS

The TUXING TXEDT033 compressor is designed with key components for high-performance and safety. Understanding these parts is essential for proper operation and maintenance.

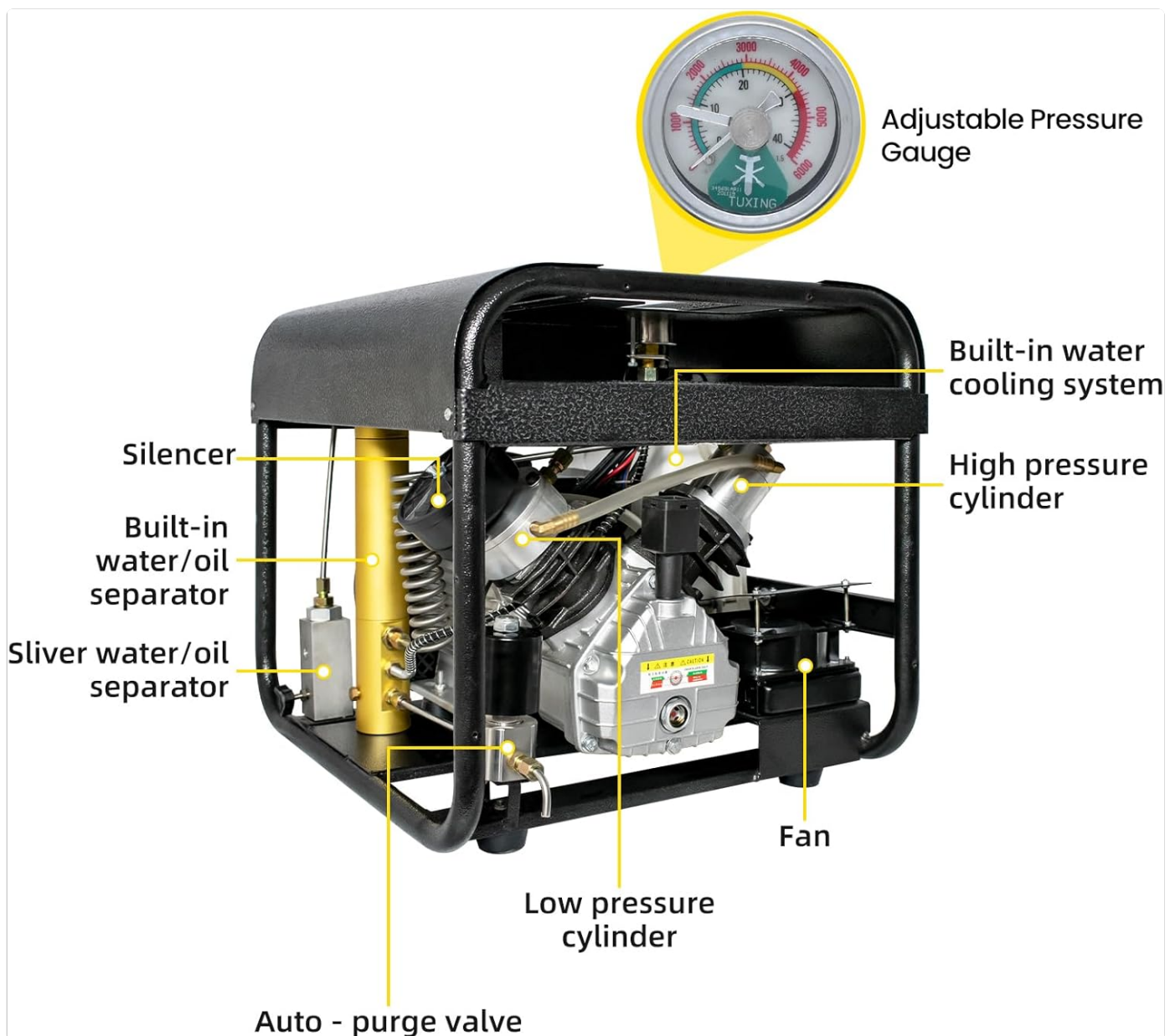


Figure 3: Key Components of the TUXING Air Compressor. This diagram labels the main parts including the adjustable pressure gauge, built-in water cooling system, silencer, water/oil separators, auto-purge valve, low and high pressure cylinders, and cooling fan.

- **Adjustable Pressure Gauge:** Displays current pressure and allows setting of desired auto-stop pressure.
- **Built-in Water Cooling System:** Circulates water to dissipate heat from the compressor.

- **Silencer:** Reduces operational noise.
- **Built-in Water/Oil Separator:** Filters moisture and oil from the compressed air.
- **Sliver Water/Oil Separator:** Additional separation for cleaner air.
- **Auto-Purge Valve:** Automatically releases excess pressure and moisture.
- **Low Pressure Cylinder:** First stage of compression.
- **High Pressure Cylinder:** Second stage of compression for high output.
- **Fan:** Provides additional air cooling for the motor and cylinders.
- **Air Inlet:** Where ambient air enters the compressor.
- **Air Outlet:** Where compressed air exits to the filling hose.
- **Safety Valve:** A pressure relief valve for safety.



Figure 4: Dual Filtration System. This image highlights the two filtration columns and the safety valve, showing the path of air purification.

4. SETUP

Before first use, ensure the compressor is set up correctly to prevent damage and ensure safe operation.

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the compressor on a stable, level surface in a well-ventilated area. Ensure there is adequate space around the unit for air circulation.
3. **Water Cooling System Preparation:**
 - Locate the built-in 5L water tank and water pump.
 - Fill the water tank with clean, distilled water. Ensure the water level is sufficient for circulation.
 - Verify that all water hoses are securely connected.

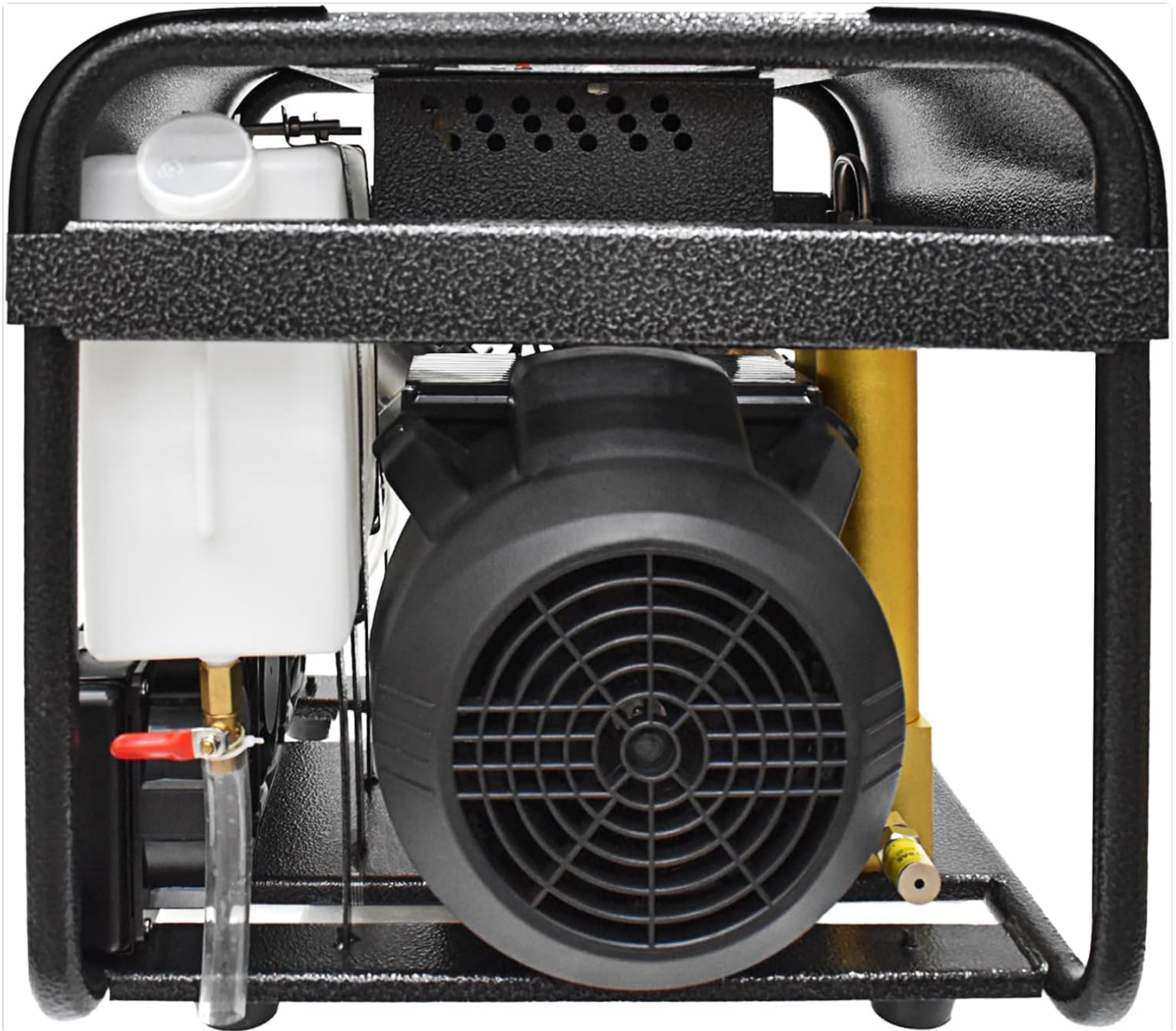


Figure 5: Built-in Water Cooling System. This image shows the rear view of the compressor, highlighting the cooling fan and the water tank for the integrated cooling system.

4. **Power Connection:** Connect the power cord to a grounded 110V AC outlet. Ensure the power switch is in the OFF position before plugging in.
5. **Hose Connection:** Connect the high-pressure filling hose to the air outlet of the compressor and to the device you intend to fill (e.g., PCP tank, paintball gun). Ensure connections are tight to prevent leaks.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your TUXING air compressor.

1. Pre-Operation Check:

- Confirm water tank is filled and cooling system is ready.
- Ensure all hose connections are secure.
- Verify the pressure gauge is at zero before starting.

2. **Set Desired Pressure:** Use the adjustable pressure gauge to set the desired shut-off pressure. The compressor will automatically stop when this pressure is reached.

3. **Start Compressor:** Flip the power switch to the ON position. The compressor will begin to fill the connected tank.

4. Monitor Operation:

- Continuously monitor the pressure gauge during operation.
- Listen for any unusual noises or signs of malfunction.
- The auto-purge function will periodically release moisture and excess pressure.

Adjustable Pressure Gauge Makes it easier for you to operate

Auto-stop and auto-purge function, the compressor reaches the pressure you set, it can shutoff automatically and auto purge at the same time, make the air pure and clean



Figure 6: Adjustable Pressure Gauge and Auto-Purge Function. This image details the pressure gauge for setting the auto-stop point and highlights the auto-purge mechanism.

5. **Auto-Stop:** The compressor will automatically shut off once the preset pressure is reached.

6. Shut Down:

- Turn the power switch to OFF.
- Slowly release any residual pressure in the hose before disconnecting.
- Disconnect the filling hose from your device and the compressor.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your compressor.

- **Drain Water/Oil Separator:** After each use, or as needed, drain any accumulated water and oil from the water-oil separator. This prevents moisture from entering your air tank and protects internal components.
- **Check Water Cooling System:** Regularly check the water level in the cooling tank and replenish with distilled water as necessary. Inspect hoses for leaks or blockages.
- **Filter Replacement:** The compressor features a dual filtration system. Periodically inspect and replace the filter elements as they become saturated or discolored to ensure clean air output.
- **General Cleaning:** Keep the exterior of the compressor clean and free of dust and debris. Ensure cooling vents are not obstructed.
- **Storage:** When not in use, store the compressor in a dry, cool place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your TUXING air compressor. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Compressor does not start.	No power, loose connection, power switch off.	Check power cord, outlet, and ensure power switch is ON.
Compressor overheats and shuts down.	Insufficient water in cooling system, blocked cooling fan, prolonged operation.	Check water level, ensure fan is clear, allow compressor to cool down before restarting.
Low pressure output or slow filling.	Air leaks in hose/connections, clogged filter, worn components.	Check all connections for leaks, replace filter elements, contact support if issue persists.
Excessive moisture in air output.	Water-oil separator not drained, saturated filter.	Drain water-oil separator, replace filter elements.
Unusual noise during operation.	Loose parts, internal component issue.	Turn off immediately. Inspect for loose parts. If noise persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model	TXEDT033
Working Pressure	Up to 4500 Psi (300 Bar / 30 MPa)
Power Voltage	110V
Inflating Speed	2800 R/MIN
Noise Level	75-78 dB
Cooling System	Water and Fan Cooled (Built-in 5L Water Tank and Water Pump)
Filtration	Double Filtration (Water-oil Separator)
Special Features	Auto Stop, Auto Purge, Adjustable Pressure Gauge
Dimensions (L x W x H)	20.87" x 15.75" x 18.9" (53 x 40 x 48 CM)
Item Weight	94.6 pounds (43 Kilograms)
Material	Iron

9. WARRANTY & SUPPORT

TUXING stands behind the quality of its products. This compressor comes with **one-year after-sales warranty** from the date of purchase.

For technical assistance, troubleshooting, or warranty claims, please contact TUXING customer service. Our team is available to provide **24 hours online service** to assist you.

Please retain your proof of purchase for warranty purposes.

Contact Information:

Refer to your product packaging or the official TUXING website for the most current contact details.

Online support is available 24/7.

