

Kia 52933-2Y000

Kia Mobility KIT-TIRE (Model 52933-2Y000) Instruction Manual

INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your Kia Mobility KIT-TIRE (Model 52933-2Y000) tire compressor. Please read this manual thoroughly before using the product and retain it for future reference. Always refer to your vehicle's owner's manual for specific tire pressure recommendations and emergency procedures.

IMPORTANT SAFETY INFORMATION

- **Do not use for sidewall punctures:** This device is designed for temporary repair of tread punctures only. It is not suitable for punctures on the tire sidewall or for significant tire damage.
- **Avoid overheating:** Continuous operation can cause the compressor to overheat. Allow the unit to cool down if it becomes excessively hot during use.
- **Proper voltage:** Ensure the compressor is connected to a 12-volt DC power source, typically your vehicle's accessory outlet.
- **Children and pets:** Keep the compressor and its components away from children and pets.
- **Eye protection:** Wear appropriate eye protection when operating the compressor.
- **Vehicle stability:** Ensure your vehicle is parked on a level surface with the parking brake engaged before attempting any tire inflation.
- **Tire pressure:** Always inflate tires to the pressure specified in your vehicle's owner's manual or on the tire placard. Over-inflation can be dangerous.

For detailed visual instructions, refer to the diagram below:



Image 1: Front view of the Kia Mobility KIT-TIRE compressor, illustrating connection points, power switch, and operational steps.

SETUP

- 1. Prepare the vehicle:** Park your vehicle on a flat, stable surface. Engage the parking brake and turn off the engine.
- 2. Locate the compressor:** Remove the Kia Mobility KIT-TIRE compressor from its storage location.
- 3. Connect to tire valve:** Unscrew the valve cap from the tire. Firmly screw the compressor's air hose connector onto the tire valve stem until secure.
- 4. Connect to power:** Insert the compressor's power plug into your vehicle's 12V accessory outlet (cigarette lighter socket). Ensure the vehicle's ignition is in the "ACC" or "ON" position, or the engine is running, as required by your vehicle.

OPERATING INSTRUCTIONS

- 1. Initial Pressure Check:** Before turning on the compressor, observe the current tire pressure reading on the integrated gauge.
- 2. Start Inflation:** Flip the power switch on the compressor to the "ON" position. The compressor will begin to inflate the tire.
- 3. Monitor Pressure:** Continuously monitor the pressure gauge. Inflate the tire to the recommended pressure (e.g., 2.0-2.8 bar / 30-40 psi, or as specified in your vehicle's manual).
- 4. Stop Inflation:** Once the desired pressure is reached, immediately switch the compressor to the "OFF" position.
- 5. Disconnect:** Unscrew the air hose connector from the tire valve and replace the valve cap. Disconnect the power plug from the vehicle's 12V outlet.
- 6. Post-Inflation Driving (for temporary sealant use):** If using the compressor with tire sealant for a temporary repair, drive the vehicle immediately for a short distance (e.g., 10 km / 6 miles) at a moderate speed (e.g., 20-80 km/h or 15-50 mph) to allow the sealant to distribute evenly.
- 7. Re-check Pressure:** After driving, re-check the tire pressure. If the pressure has dropped significantly, the repair may not be effective, and professional assistance is required.

MAINTENANCE

- **Cleaning:** Wipe the exterior of the compressor with a damp cloth. Do not use harsh chemicals or immerse the unit in water.
- **Storage:** Store the compressor in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the hose and power cord are neatly coiled to prevent damage.
- **Inspection:** Periodically inspect the air hose, power cord, and connectors for any signs of wear, cracks, or damage. Do not use the unit if any components are damaged.

TROUBLESHOOTING

- **Compressor does not turn on:**
 - Ensure the power plug is fully inserted into the 12V outlet.
 - Check the vehicle's 12V outlet fuse.
 - Verify the vehicle's ignition is in the correct position (ACC or ON).
- **Slow inflation or no inflation:**
 - Ensure the air hose connector is securely attached to the tire valve.
 - Check for leaks in the air hose or connections.
 - Verify the tire valve stem is not damaged.
 - If the tire has a large puncture or sidewall damage, the compressor may not be able to inflate it.
- **Compressor overheats:**
 - Allow the unit to cool down for at least 10-15 minutes before resuming operation.
 - Avoid continuous operation for extended periods.
- **Inaccurate pressure reading:**
 - Ensure the compressor is on a stable surface.
 - Compare the reading with a known accurate tire pressure gauge if available.

SPECIFICATIONS

Brand	Kia
Model Name	MOBILITY KIT-TIRE
Model Number	52933-2Y000
Manufacturer	KIA
Power Input	12 Volts DC
Power Rating	180W
Current Rating	15A
Item Weight	2.25 pounds (1.021 kg)
Package Dimensions	7.1 x 6.7 x 2.8 inches (18.034 x 17.018 x 7.112 cm)

Country of Origin	United States
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For additional technical details, refer to the product label shown below:



Image 2: Back view of the Kia Mobility KIT-TIRE compressor, showing model, power, and manufacturing details.

WARRANTY INFORMATION

Specific warranty details for the Kia Mobility KIT-TIRE (Model 52933-2Y000) are not provided in this manual. Please refer to the warranty documentation included with your purchase or contact your authorized Kia dealer or the product seller for comprehensive warranty information.

CUSTOMER SUPPORT

For technical assistance, service, or inquiries regarding your Kia Mobility KIT-TIRE, please contact your authorized Kia service center or the retailer from whom you purchased the product. Provide your model number (52933-2Y000) when seeking support to ensure accurate assistance.

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Related Documents - 52933-2Y000

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Match abandoned

Just like you can't play football with a deflated ball—
You can't drive properly with a tyre that has low air pressure.



What Happens When Tyre Pressure Is Low?



If the Tyre Pressure Warning Light Comes On

- 1 Slow down and park in a safe place.
- 2 Check the cluster to see which tyre has low pressure.

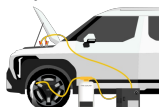


If the vehicle is equipped with a Tyre Mobility Kit (TMK), you can use it to inflate the tyre.



- Step 1. Remove the tyre valve cap and connect the compressor hose from the TMK.
- Step 2. Open the bonnet and connect the compressor cable to the 12V battery.
- Step 3. Start the engine and operate the compressor to inflate the tyre to the recommended pressure.

If the warning light remains on after you have inflated the tyre, you likely have a puncture. Inject the sealant from the TMK to seal the damaged area.



- Step 1. Shake the sealant and connect the sealant hose to the tyre valve.
- Step 2. Connect the compressor hose to the sealant hose.
- Step 3. Open the bonnet and connect the compressor cable to the 12V battery.
- Step 4. Start the engine and turn on the compressor to inject the sealant.
- Step 5. Drive at low speed for 10 minutes to evenly distribute the sealant.

If your vehicle is equipped with a spare tyre, you can replace the damaged one.



- Step 1. Loosen the wheel nuts by turning them anticlockwise. Loosen them in a diagonal sequence. (1 - 2)
- Step 2. Use the jack and the jack handle to lift the vehicle, then fully loosen the wheel nut and remove the tyre.
- Step 3. After mounting the spare tyre, hand-tighten the wheel nuts to hold it in place.
- Step 4. After lowering the vehicle to the ground, tighten the wheel nuts securely.



It's necessary to remove and clean the tyre after using sealant. If you installed a compact spare tyre, replace it with a standard tyre as soon as possible. Always visit an authorised Kia dealer after taking emergency measures.

[Kia Tire Pressure Warning: Causes, Solutions, and Maintenance Guide](#)

Learn what happens when your Kia's tire pressure is low, how to check it, and step-by-step instructions for using the Tyre Mobility Kit (TMK) or a spare tire to resolve issues. Essential guide for Kia drivers.

Red means STOP!

You must stop when you see a red light.
The same applies to
red warning lights on the cluster.



Types of Warning Lights

Red warning light	Yellow warning light	Green warning light
Do not drive. Immediate action required.	Drive with caution. Response required soon.	Indicates the current status. No action required.

When You Can Take Action Yourself



 Parking brake warning light Release the hand brake or pull the brake foot before driving.	 Coolant temperature warning light Check the coolant level and add if necessary.
 Engine oil pressure warning light Refill the engine oil.	 Low tyre pressure warning light Check the tyre pressure and inflate if necessary.
 SCR warning light (Diesel) No immediate action.	 Diesel Particulate Filter (DPF) warning light (Diesel) Drive for more than 30 minutes at over 40 km/h and around 2000 rpm. If the light does not turn off after one hour action and an authorised Kia dealer.





When to Visit an Authorised Kia Dealer



 Charging system warning light	 Air bag warning light	 Electric Power Steering (EPS) warning light
 Master warning light	 Malfunction Indicator Lamp (MIL) warning light	 Service warning light (HEV)
 Electronic Stability Control (ESC) indicator light If in driving, the ESC is operating normally to prevent vehicle skidding. If it indicates there is a malfunction that requires action.	 Electronic Stability Control (ESC) OFF indicator light If in drive, the ESC is deactivated.	

[Kia Warning Lights Explained: Your Guide to Dashboard Indicators](#)

Understand your Kia's dashboard warning lights. This guide explains red, yellow, and green indicators, what you can fix yourself, and when to visit a Kia dealer.

	<p>Kia Shuma / Kia Sephia / Kia Spectra 2001 Repair and Operation Manual</p> <p>A comprehensive repair and operation manual for Kia Shuma, Kia Sephia, and Kia Spectra models manufactured from 2001 onwards. Covers engine, transmission, chassis, electrical systems, and maintenance procedures. Includes technical specifications and troubleshooting guides.</p>
	<p>Kia Roadside Assistance: Comprehensive Coverage and Service Procedures</p> <p>Detailed information on Kia Roadside Assistance coverage, including vehicle assistance, personal assistance, and 24/7 information services. Outlines the step-by-step service procedure and reimbursement process for Kia owners.</p>
	<p>Kia Seltos Owner's Manual: Features, Safety, and Operation Guide</p> <p>Comprehensive owner's manual for the Kia Seltos, detailing features, safety systems, driving instructions, maintenance, and important operational guidelines. Essential guide for Kia Seltos owners.</p>
	<p>Kia Vehicle Dashboard Warning and Indicator Lights Guide</p> <p>A comprehensive guide to understanding the meaning and function of various warning and indicator lights on Kia vehicle dashboards. This document explains each symbol and provides recommended actions for drivers.</p>