



SPECIALIZED TURBO BIKES

QUICKSTART GUIDE

Dear Turbo Rider,

We thank you for choosing a Specialized Turbo SL e-bike. This brief guide provides important information on setup, usage and maintenance of your Turbo SL e-bike. Please note that this guide focuses on the Turbo SL e-bike system. For bike-specific information, such as suspension setup, please refer to the manual that came with your bike. This ensures you get the most out of your bike and enjoy every ride. You can also contact your Specialized Turbo retailer if you need more details. Have a great ride!

SETUP

Manuals

Please study all the supplied manuals carefully before your first ride. They contain important information on how to set up, use and maintain your Turbo SL e-bike.

Saddle Height

The correct saddle height is crucial for pedaling efficiency and comfort. The following method is a useful guideline: Move one crank downwards so that it is positioned as an extension of the seat tube (roughly the 5 o'clock position). Sit on the bike in riding position and place your heel on the lower pedal with the foot parallel to the ground. The correct saddle height should leave your knee only slightly bent in this position.

Tire Pressure

Running the correct tire pressure on your Turbo SL is crucial for a controlled and enjoyable ride. The table below is based on the recommendations on the tires. Your individual setting may vary according to rider weight and load, terrain and ride style. Front tires can be inflated with less pressure than rear tires. If your bike comes with 2bliss ready tires, we recommend a tubeless setup for even better performance (pressures can be lowered by ~10 psi). Check the tire pressure before each ride.

SL BIKE FAMILY	TIRE	PSI	BAR
Turbo Creo SL	Turbo 28c	85-102	6.0 - 7.0
	Pathfinder 38C	50-80	3.5 - 5.5
Turbo Levo SL		25-50	1.7 - 3.4
		Max 40 on carbon rim	Max 2.8 on carbon rim
Turbo Vado SL	Nimbus 38c	50 - 80	3.5 - 5.5
	Pathfinder 38c		

RECOMMENDED ADD-ONS

Mission Control App

With our free Mission Control App you can further enhance your Turbo SL experience. It not only allows you to customize the motor characteristics by changing the default motor settings (e.g. customize for range vs. power), the App also enables you to control range, diagnose the system, record rides, sync them with Strava and more.

Turbo Connect Display

This wireless display connects via ANT+ to show all the regular data of a bicycle computer plus Turbo data like battery state of charge as % figure and bar scale(s), rider power, cadence and selected mode. It even allows connecting a heart rate strap.

Range Extender Battery

This external battery sits in a bottle cage on your Turbo SL e-bike and adds 160 Wh, or 50%, of range, which typically means an additional hour of ride time in flat/hilly terrain. For longer rides you can carry more than one additional RE. It is compact and only weighs 1 kg. Refer to the bike manual for bike-specific information about installation and handling.

SERVICE AND MAINTENANCE

Hardware

Having your Turbo SL e-bike regularly inspected and serviced by an authorized Specialized Retailer is imperative. Please refer to all manufacturer's maintenance documents and ask your local Specialized Retailer for details.

Software

We continuously improve our software to offer you the best possible ride experience. Therefore, make sure your system runs with the latest software. Your local Specialized Retailer will be happy to keep your system up-to-date.

Cleaning Your Turbo SL

By cleaning your bike regularly in an appropriate manner, you ensure greater longevity, less wear and the best performance.

These tips are key:

- Never use a high-pressure washer (use a wet cloth or a low-pressure garden hose for removing dirt)
- Always turn off the bike before cleaning
- Remove the Range Extender battery (RE) and close the charge port before cleaning (if needed, clean separately with a wet cloth; remove dirt from connectors with a soft brush or low-pressure air)
- Inspect the RE / charge port for dirt accumulation (to clean inside, use a soft brush or low-pressure air)
- Before connecting the charger or Range Extender battery, make sure all contacts and ports are dry and clean
- Regularly clean the Speed Sensor magnet on the rear wheel with a cloth (brake dust with metal parts can collect and cause issues)
- Pay special attention to chain/drive-train maintenance

RIDING

These five notes and tips will help you improve your Turbo SL rides and understand key bike behaviour.

Shifting

When shifting gears, reduce pedaling force. Try to avoid shifting under heavy loads, e.g. when accelerating or climbing. Only shift one gear at a time. This leads to smoother, quieter shifting and supports drivetrain longevity.

Mode Selection

When looking for increased range, primarily use the modes Eco and Sport. When you need maximum power or maximum range is not needed, Turbo mode is a great option.

Maintain a Smooth Cadence

The motor is designed to support you especially well at higher cadences (~75 rpm and above). Pedaling with a smooth cadence is beneficial for optimal range and motor support. Tip: Use the TCD to monitor your cadence.

Discharge Range Extender First

We recommend sticking to the default parallel discharge scenario when using a Range Extender battery. This way, the technically needed reduction in motor assist will be noticeable later and battery health benefits in the long run.

Discharging the RE first only makes sense if you want to remove it at some point to have a lighter bike or if you want to make room for a water bottle.

State of Charge and Power Output

Between 20% and 15% remaining battery state of charge, the system starts reducing motor support to ensure uninterrupted support at lower charge/voltage levels. Between 5% and 3% remaining soc, motor support shuts off, but the system stays on.

This is not only beneficial for battery health and lifetime, but also ensures wired lights can be powered for about two more hours.

Both the motor and battery are very user-friendly components that do not require a lot of special attention. However, there are a few tips and notes you should consider.

Motor

- The motor unit is a fully closed, well-protected unit, but never pressure wash the bike/bottom bracket area
- Any firmware manipulation. e.g. to derestrict the speed limit, is illegal and can void the warranty
- Be aware that the additional motor power results in greater wear and tear of drivetrain parts, brake pads, tires, etc.
- Warranty terms: 2 years

Batteries

Your Specialized Turbo SL comes with a high-quality Lithium Ion battery that is built for maximum performance and safety.

- Familiarize yourself with the battery chapter in the manual and the symbols on the battery itself
- Be aware that batteries age over time and through usage (reduced range)
- Always power off the bike before connecting or disconnecting the RE battery or charging it
- Batteries have undercharge and overcharge protection, so that they can be charged/discharged as needed
- Store your Turbo SL e-bike with the internal battery and any RE battery at room temperature before riding in cold conditions (especially when below 0° C / 32° F)
- When not using batteries for a longer period, leave them at a charge level of about 60 %, store them/the bike in a dry, preferably cool place; recharge to 60 % every three months
- When carrying your bike on a car bike rack, remove the Range Extender battery and make sure the charge port is closed; transport the RE inside the car
- Warranty terms: 2 years or at least 75 % capacity after 300 charge cycles.

Avoiding Damage Made Easy

DO NOT rotate the cranks backwards when:

1. The charge cable is connected
2. The RE cable is not connected to the frame port

This also means you should never push your Turbo SL backwards in the two above scenarios. The RE cable should either be connected at both ends or be completely removed from the bike. Disregarding this advice can result in serious damage to the charger connector, the RE cable or even the RE/charge port.

