DEAR TURBO RIDER,

We thank you for having chosen a Specialized Turbo Creo SL. With this brief guideline we would like to ensure you get the most out of your bike and enjoy every ride. Please contact your Specialized Turbo retailer if you need more details. Have great rides!

RECOMMENDED ADD-ONS

MISSION CONTROL APP

With our free Mission Control App you further enhance your Creo 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 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 belt.

RANGE EXTENDER BATTERY

This external battery sits in a bottle cage on your Creo SL and adds 160 Wh, or 50%, of range, which mostly means an additional ride time of 1 hour in flat/hilly terrain. For longer rides you can carry more than one additional RE. It is compact and only weighs 1 kg.

TIRE PRESSURE

Running the correct tire pressure on your Creo 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.

<table>
<thead>
<tr>
<th>TIRE / DIMENSION</th>
<th>PSI</th>
<th>BAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-WORKS TURBO 28c / TURBO PRO 28c</td>
<td>85 - 102</td>
<td>6.0 - 7.0</td>
</tr>
<tr>
<td>PATHFINDER PRO 38c*</td>
<td>50 - 85</td>
<td>3.5 - 5.5</td>
</tr>
</tbody>
</table>

*Pressure depends a lot on the terrain your Creo (Evo) is set up for (road vs. gravel)

PERSONAL SETUP NOTES

............................................................................................................
............................................................................................................
............................................................................................................
............................................................................................................

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 Creo SL.

SADDLE HEIGHT

The correct saddle height is crucial for pedalling efficiency and comfort. The following method is a useful guideline: Move one crank downwards so that it is positioned as extension of the seat tube (roughly 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 saddle height is adequate when your knee is only slightly angled in this position.

SERVICE AND MAINTENANCE

HARDWARE

Having your Creo SL regularly inspected and serviced by an authorized Specialized Retailer is of great importance. 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
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 cleaner (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) 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 in the worst case)
• Pay special attention to chain/drivetrain maintenance

RIDING
These five notes help you to improve your Creo 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, more silent 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 in a higher cadence spectrum (~75 rpm and above). Pedaling in a smooth cadence is beneficial for optimal range and motor support. Tip: Use the TCD to monitor your cadence.

DISCHARGE RANGE EXTENDER FIRST (APP)
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.

MOTOR AND BATTERY
Both 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 warranty.
• Be aware that the additional motor power results in greater wear and tear of drivetrain parts, brake pads, tires and the like.
• Warranty terms: 2 years

BATTERIES
Your Specialized Turbo 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 (dis-)connecting the RE battery or charging it
• Batteries have undercharge and overcharge protection, so that they can be charged/discharged as needed
• Store your Creo SL 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 place; recharge to 80 % 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 Creo 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.

SPECIALIZED BICYCLE COMPONENTS
15130 Concord Circle, Morgan Hill, CA 95037 (408) 779-6229 0000144731_QSG_R1_10/19
We may occasionally issue updates and addendums to this document. Please periodically check www.specialized.com to make sure you have the latest information.