

# RACE TECH

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## NITROGEN NEEDLE - TSNN 01

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Thank you for purchasing the Race Tech Nitrogen Needle (TSNN 01). This tool is designed for gas-charged shocks and forks with self-sealing type rubber valves. A complete Nitrogen Charging System also includes a Race Tech Nitrogen Gauge (TSNG 02), Regulator (TSNR 01), Nitrogen tank, and a Hose (TSNH 48). (Nitrogen tanks are available at welding supply stores.)

### Instructions for use:

1. **Screw the Nitrogen Needle Tool into the Air Chuck** on the Race Tech Nitrogen Gauge Body (TSNG 02).
2. On the shock, remove the screw (if there is one) that covers the self-sealing rubber valve on the shock. **Insert the needle into the rubber valve** as straight as possible. Physically support the Needle to avoid bending it as this can cause premature needle breakage.
3. **Set the nitrogen tank regulator outlet pressure** to the shock manufacturers recommended pressure setting. Using the chuck from the nitrogen tank regulator, pressurize the Race Tech Nitrogen Gauge to the shock manufacturers recommended nitrogen pressure setting.
4. **Pull the needle out** of the self-sealing rubber valve and replace the cover screw. Reinstall the protective cover over needle when not in use.

### Needle care and replacement:

1. **At times the tip of the needle may get bent over or dulled.** It can be re-sharpened by dragging it across a sharpening stone or a piece of 320 grit sandpaper placed on a piece of glass. Replacement needle tips are available (TPNN 01).
2. **To remove the needle for replacement.** Remove the retaining nut. Replace the safety cover. Grab the tapered plastic portion of needle with pliers and twist while pulling.

**NOTE:** If you'd like you can remove the valve core from the Schrader Valve so you don't have to depress it when filling.

**Warning:** Wear eye protection. Never point needle towards yourself or others. Always follow manufacturers rebuild and pressure recommendations.

