Specialty Products Company 91000

SPC Performance FasTrax Camber/Caster Gauge (Model 91000) Instruction Manual

For 13-17 inch Wheels

1. Introduction

The SPC Performance FasTrax Camber/Caster Gauge (Model 91000) is a precision tool designed for measuring camber and caster angles on vehicles with 13-17 inch wheels. This portable and hands-free alignment tool assists in accurately assessing wheel alignment, which is crucial for vehicle handling, tire wear, and overall safety. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your FasTrax gauge.

2. Setup

Before using the FasTrax gauge, ensure your vehicle is prepared and the gauge is properly assembled.

1. **Vehicle Preparation:** Park the vehicle on a level, flat surface. Ensure the steering wheel is centered and the tires are inflated to the manufacturer's recommended pressure.
2. **Gauge Familiarization:** Unpack the FasTrax gauge. Identify the main body, the magnetic adapter (if applicable), and the measurement scales for camber and caster.
3. **Attaching the Gauge:** Securely attach the FasTrax gauge to the wheel. The gauge typically uses a magnetic base or adjustable arms to grip the wheel rim. Ensure it is firmly seated and stable on the wheel surface. The gauge should be positioned vertically, with the measurement scales clearly visible.



Figure 1: SPC Performance FasTrax Camber/Caster Gauge. This image displays the complete SPC Performance FasTrax Camber/Caster Gauge, highlighting its design and measurement scales.



Figure 2: Gauge attached to a vehicle wheel for measurement. The gauge is shown securely mounted on a vehicle's wheel, ready for alignment measurements. This illustrates the typical setup during use.

3. Operating Instructions

Follow these steps to accurately measure camber and caster angles.

3.1. Camber Measurement

1. Ensure the vehicle is on a level surface and the steering wheel is centered.
2. Attach the FasTrax gauge securely to the wheel as described in the Setup section.
3. Read the camber angle directly from the gauge's camber scale. The bubble level or digital display will indicate the angle in degrees.
4. Record the measurement for both front wheels.



Figure 3: Close-up view of the gauge attached to a wheel, showing the measurement scale. A detailed view of the FasTrax gauge attached to a wheel, focusing on the measurement display and how it interfaces with the wheel.

3.2. Caster Measurement

Caster measurement requires turning the wheel through a specific arc.

1. With the gauge attached, turn the steering wheel 20 degrees to the left.
2. Adjust the gauge's caster scale to read zero.
3. Turn the steering wheel 20 degrees to the right (a total of 40 degrees from the initial left turn).
4. Read the caster angle directly from the caster scale.
5. Repeat the process for the other front wheel.

4. Maintenance

Proper care ensures the longevity and accuracy of your FasTrax gauge.

- **Cleaning:** After each use, wipe the gauge with a soft, dry cloth to remove any dirt, grease, or moisture. Avoid using harsh chemicals or abrasive cleaners that could damage the finish or measurement scales.
- **Storage:** Store the gauge in its original packaging or a protective case in a dry, clean environment. Protect it from extreme temperatures and impacts.
- **Calibration Check:** Periodically check the gauge's levelness and accuracy. If you suspect inaccurate readings, consult the manufacturer's guidelines for potential recalibration procedures or contact support.

5. Troubleshooting

If you encounter issues with your FasTrax gauge, consider the following common solutions:

- **Inaccurate Readings:**

- Ensure the vehicle is on a perfectly level surface. Even slight inclines can affect readings.
- Verify that tire pressures are correct and equal on both sides.
- Check that the gauge is securely attached to the wheel and not obstructed by wheel weights or other components.
- If the internal bubble level appears off, some models allow for minor adjustments. Refer to specific product documentation or contact support.

- **Difficulty Attaching to Wheel:**
  - Confirm that your wheel size falls within the 13-17 inch compatibility range.
  - Ensure the wheel rim is clean and free of debris that might prevent a secure attachment.
- **Missing Components:** If any parts were missing upon delivery, contact the retailer or manufacturer immediately for assistance.

6. Specifications

Feature	Detail
Brand	Specialty Products Company
Model	91000
Material	Metal
Item Weight	2.9 Pounds
UPC	082642910008
Wheel Size Compatibility	13-17 inch wheels
Manufacturer	SPC Performance

7. Warranty and Support

For specific warranty information regarding your SPC Performance FasTrax Camber/Caster Gauge, please refer to the documentation included with your purchase or visit the official Specialty Products Company website. For technical support, product inquiries, or assistance with troubleshooting beyond the scope of this manual, please contact Specialty Products Company directly through their customer service channels.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question