

## Tektro 900A

# Tektro 900A Road Calipers Brake Set User Manual

Model: 900A | Brand: Tektro

## INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Tektro 900A Road Calipers Brake Set. Please read these instructions carefully before installation and use to ensure proper function and safety.

The Tektro 900A brake set features a dual-pivot caliper design, offering reliable stopping power for road bicycles. It is constructed with forged aluminum arms for durability and lightweight performance.

## PRODUCT OVERVIEW

### Key Features:

- System:** Dual pivot caliper brake
- Material:** Forged aluminum arms
- Mounting:** Nutted mount bolt
- Reach:** 72-92 mm
- Brake Pads:** P205 (0°) pads, suitable for aluminum rims
- Weight:** Approximately 415 g per pair
- Color:** Unpolished silver finish
- Contents:** One pair (front + rear)

### Components:

The Tektro 900A brake set includes:

- Front Brake Caliper
- Rear Brake Caliper
- Brake Pads (pre-installed)
- Mounting Hardware (nutted bolts)



*Image: A pair of Tekro 900A dual pivot road brake calipers in silver, showing both front and rear units.*

## SETUP AND INSTALLATION

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Proper installation is crucial for safe and effective braking. If you are unsure about any step, consult a professional bicycle mechanic.

1. **Preparation:** Ensure your bicycle frame and fork have appropriate mounting holes for nudded caliper brakes. Clean the mounting area thoroughly.
2. **Mounting the Calipers:**
  - Insert the long mounting bolt of the front caliper through the hole in the fork crown from the front. Secure it with the provided nut from the rear.
  - Insert the shorter mounting bolt of the rear caliper through the hole in the seat stay bridge from the front. Secure it with the provided nut from the rear.
  - Ensure the caliper is centered over the wheel rim.



*Image: A single Tekro 900A front brake caliper, showing the longer mounting bolt.*



*Image: A single Tektro 900A rear brake caliper, showing the shorter mounting bolt.*

### 3. Brake Pad Adjustment:

- Loosen the brake pad fixing bolt.
- Position the brake pads so they are centered on the braking surface of the rim and parallel to the rim when the brake is applied.
- Ensure the pads do not touch the tire or fall below the rim's braking surface.
- Tighten the brake pad fixing bolt securely.

### 4. Cable Installation:

- Route the brake cable from your brake lever through the cable housing and into the caliper's cable anchor bolt.
- Pull the cable taut, ensuring there is minimal slack, and tighten the cable anchor bolt.
- Trim any excess cable, leaving enough length to attach a cable end cap.

### 5. Final Adjustment:

- Squeeze the brake lever several times to seat the cable and housing.
- Adjust the barrel adjuster on the brake lever or caliper to achieve the desired lever feel and pad clearance (typically 1-2mm from the rim).
- Ensure both brake pads contact the rim simultaneously and evenly.

## OPERATING INSTRUCTIONS

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The Tektro 900A brake set operates by pulling the brake levers, which in turn pulls the brake cable, causing the caliper arms to close and the brake pads to press against the bicycle rim, slowing or stopping the wheel.

- **Braking Technique:** Apply both front and rear brakes simultaneously for optimal stopping power and control. The front brake provides most of the stopping power, while the rear brake helps with stability and modulation.
- **Modulation:** Practice applying varying pressure to the brake levers to control your speed smoothly. Avoid sudden, hard braking, especially with the front brake, as this can lead to loss of control.

- **Wet Conditions:** In wet conditions, braking performance will be reduced. Apply brakes earlier and with more gentle pressure to clear water from the rim and pads before full braking.

## MAINTENANCE

Regular maintenance will ensure the longevity and safe operation of your brake set.

- **Cleaning:** Keep brake calipers, pads, and rims clean and free of dirt, grease, and debris. Use a clean cloth and mild detergent if necessary.
- **Brake Pad Wear:** Inspect brake pads regularly for wear. Replace pads when the wear indicators are no longer visible or when the pads become thin. Worn pads can damage rims and reduce braking effectiveness.
- **Cable and Housing:** Check brake cables and housing for fraying, kinks, or corrosion. Replace them if any damage is observed to maintain smooth brake operation.
- **Pivot Points:** Periodically apply a small amount of light lubricant to the caliper pivot points to ensure smooth movement. Avoid getting lubricant on brake pads or rims.
- **Bolt Torque:** Periodically check all mounting bolts and cable anchor bolts for proper tightness. Refer to a bicycle repair manual for recommended torque specifications if available.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Weak Braking Power	Worn brake pads; Contaminated pads/rims; Loose cable; Improper pad alignment.	Replace pads; Clean pads/rims; Tighten cable; Realign pads.
Brake Squeal/Noise	Contaminated pads/rims; Improper pad toe-in; Loose caliper.	Clean pads/rims; Adjust pad toe-in (slight angle); Tighten caliper mounting bolt.
Brake Lever Feels Spongy	Cable stretch; Loose cable; Worn cable housing.	Adjust barrel adjuster; Re-tension cable; Replace cable/housing.
Brake Pads Rubbing Rim	Caliper not centered; Cable too tight; Bent caliper arm.	Center caliper; Loosen cable; Inspect for damage (replace if bent).

## SPECIFICATIONS

Attribute	Value
Brand	Tektro
Model Number	900A
System	Dual Pivot Caliper Brake
Material	Forged Aluminum Arms
Reach Dimension	72-92 mm
Brake Pads	P205 (0°) for Aluminum Rims

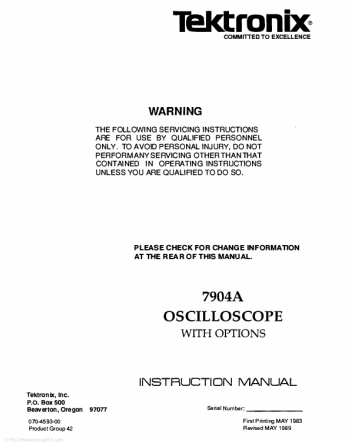
Attribute	Value
Weight (per pair)	Approx. 415 g
Color	Unpolished Silver
Mounting Type	Nutted Mount Bolt
Package Contents	1 pair (Front + Rear)
UPC	744790993455

WARRANTY AND SUPPORT

For warranty information and technical support, please contact your authorized Tektro dealer or visit the official Tektro website. Keep your proof of purchase for warranty claims.  
*Note: This product is supplied in OEM packaging and does not include retail packaging.*

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