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> TEC Front Ceramic Disc Brake Pads TEC-2375 Instruction Manual

TEC TEC-2375

TEC Front Ceramic Disc Brake Pads TEC-2375 Instruction Manual

Model: TEC-2375 | Brand: TEC

1. PRODUCT OVERVIEW

The TEC Front Ceramic Disc Brake Pads, model TEC-2375, are engineered for superior braking performance and durability. Featuring the acclaimed SilentGrip™ Low Resin Ceramic formula, these brake pads are designed to provide reliable stopping power, low dust, and quiet operation. They are manufactured in ISO-Certified installations, ensuring high quality and are 100% Asbestos-free.

NOTICE

This product only fits the following vehicles :

2022-2024 Nissan Rogue

2021 Nissan Rogue 1st Digit Of Vin Is J

Image 1.1: Overview of TEC Front Ceramic Disc Brake Pads TEC-2375.

2. VEHICLE COMPATIBILITY

These TEC-2375 Front Ceramic Disc Brake Pads are specifically designed for the following vehicle models:

- **2022-2024 Nissan Rogue**
- **2021 Nissan Rogue** (*Note: Applicable only if the 1st digit of the VIN is 'J'*)

Always verify compatibility with your vehicle's specifications before installation.



Image 2.1: Compatibility notice for Nissan Rogue models.

3. KEY FEATURES AND TECHNOLOGY

The TEC-2375 brake pads incorporate several advanced features to ensure optimal performance:

- **SilentGrip™ Low Resin Ceramic Formula:** Provides superior braking performance with smooth friction, extreme temperature stability, and quicker compound cooling, while minimizing dust and noise.
- **Fiber-Reinforced Multi-Layer Shim:** Features a rubber core to eliminate noise, vibration, and harshness, ensuring quiet operation.

- **High Carbon SteelRX Alloy:** Engineered for pressure resistance and thermal conductivity, enhancing durability. Dipped in an anti-rust black paint for corrosion protection.
- **Precise Laser-Cut Channel Cut:** Improves thermal stability and prevents brake fade due to overheating.
- **Scorched Surface:** Minimizes the break-in process, raises initial cold effectiveness, and enhances pad-to-rotor contact.
- **Chamfered Edges:** Ensures smooth and gradual initial engagement on the rotor surface, preventing edge shifting.
- **One-Piece Integral Molding Technology:** Enhances the durability and extends the service life of the pads.

Noise Reduction Technology



**MULTI-LAYERED
RUBBERIZED
SHIMS**



**PREMIUM
STEEL BACKING
PLATE**

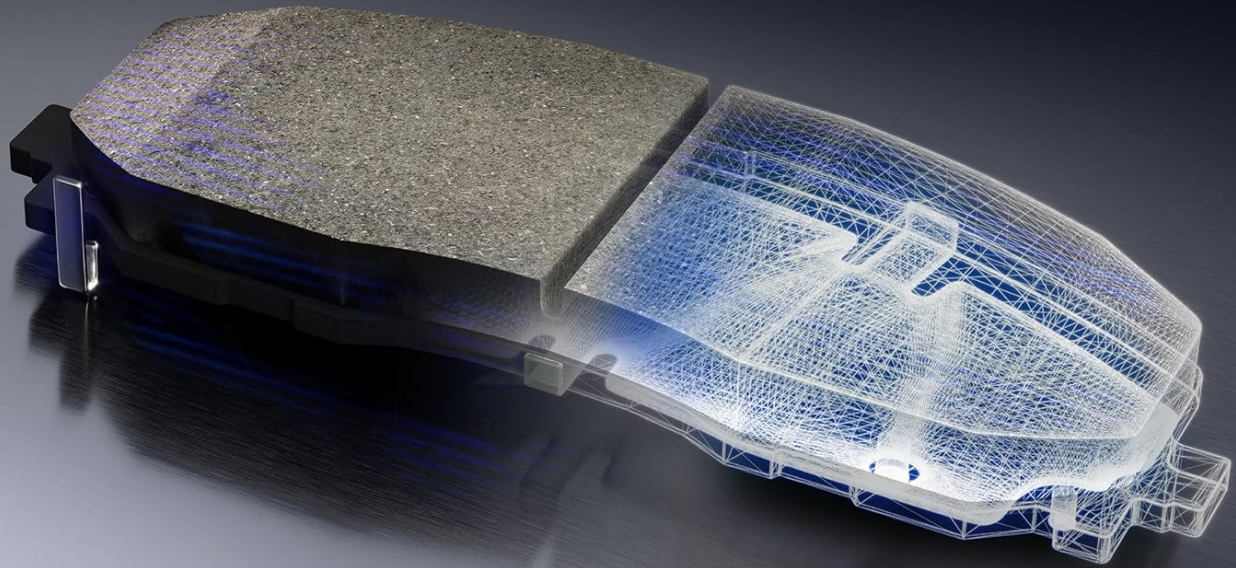


**SILENT
BRAKING NOISE
INSULATION**

Image 3.1: Illustration of key performance features including chamfered edges, scorched surface, post-curing, and slotted design.

Perfect Fit Guaranteed

3D scanning technology helps ensure shape accuracy and compatibility to original equipment.



 **3D
OEM FIT
TECHNOLOGY**

Image 3.2: Details on noise reduction technology, including multi-layered shims and steel backing plates.

Advanced Friction

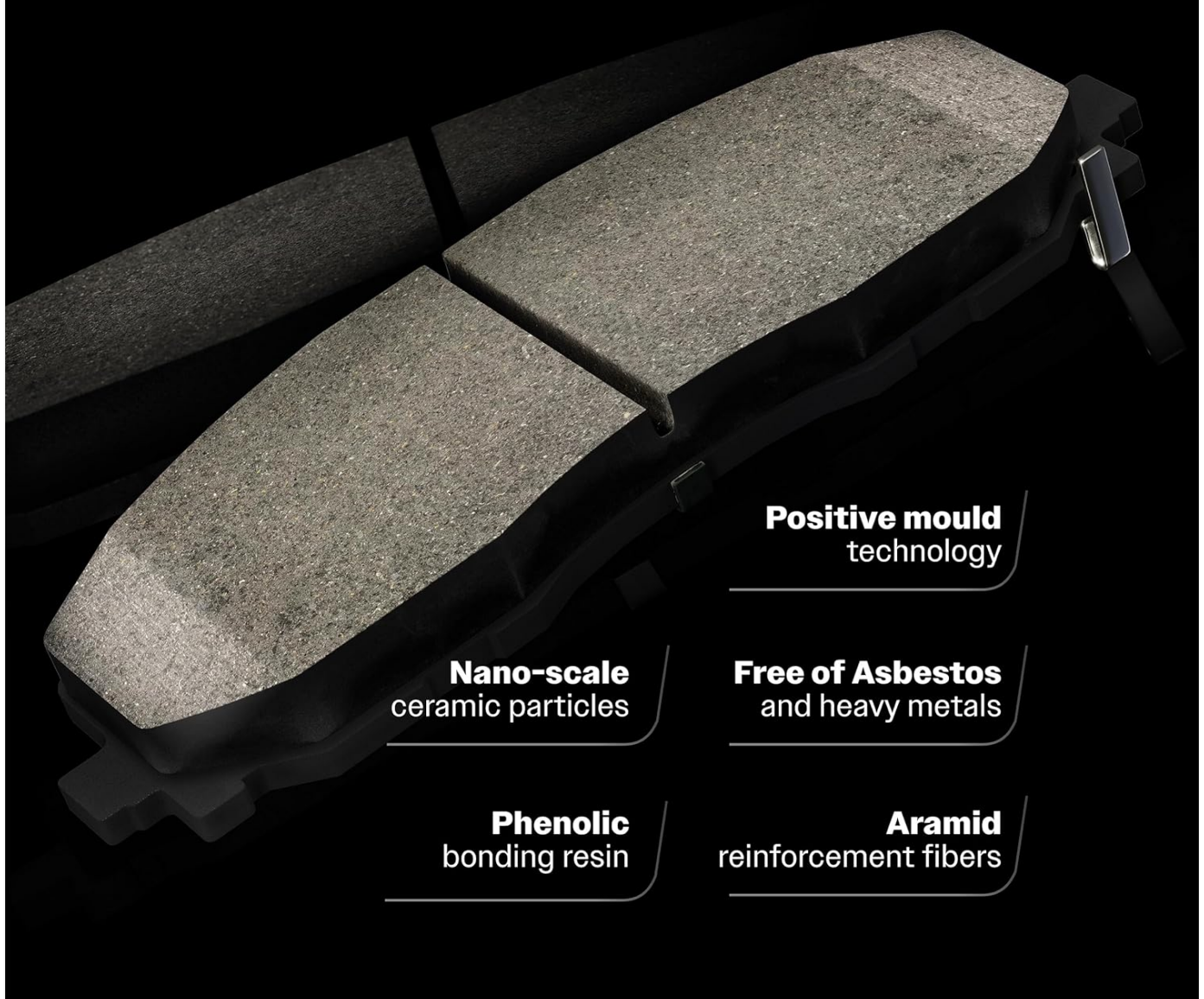


Image 3.3: Visual representation of perfect fit guaranteed through advanced manufacturing.

Ultimate Driving Experience

The perfect balance between comfort, safety and durability.

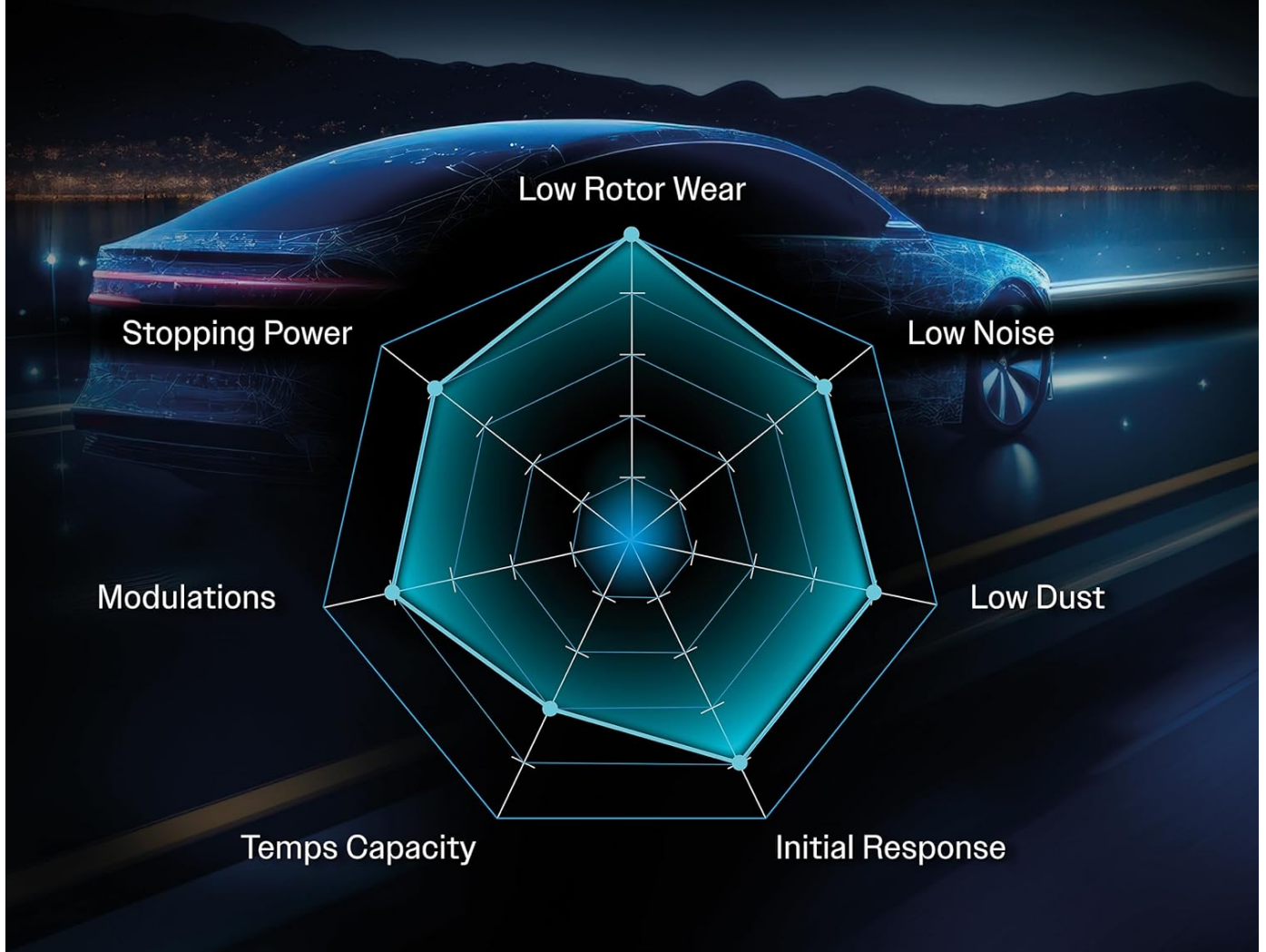


Image 3.4: Components of the advanced friction material, highlighting ceramic particles and asbestos-free composition.

Cleaner Wheels

Premium formulation, without asbestos or heavy metal particles, reduces rotor wear and cut down on brake dust.



Image 3.5: Radar chart illustrating balanced performance across various braking attributes.

4. INSTALLATION

Installation of brake pads requires mechanical knowledge and specialized tools. It is highly recommended that installation be performed by a qualified professional to ensure safety and proper function.

4.1 Included Hardware

Premium Stainless-Steel hardware is included with the TEC-2375 brake pads when required by the application. Always refer to the product packaging or images for a complete list of included components.



Image 4.1: Example of brake pad hardware installation. Ensure all necessary hardware is used.

4.2 General Installation Steps (Consult Service Manual)

1. Safely lift and support the vehicle. Remove the wheel.

2. Remove the brake caliper and old brake pads.
3. Clean the caliper and caliper bracket thoroughly.
4. Install new hardware (shims, clips) as provided.
5. Install the new TEC-2375 brake pads into the caliper bracket.
6. Reinstall the brake caliper and secure all bolts to manufacturer specifications.
7. Reinstall the wheel and lower the vehicle.
8. Perform a proper brake pad break-in procedure (bedding-in) as recommended by the vehicle manufacturer or brake pad instructions.

Important: Always consult your vehicle's service manual for specific torque specifications and procedures.

5. MAINTENANCE

Proper maintenance of your braking system is crucial for safety and longevity.

- **Regular Inspection:** Periodically inspect brake pads for wear, typically every 10,000 to 20,000 km or as recommended by your vehicle manufacturer.
- **Brake Fluid Check:** Ensure brake fluid levels are adequate and the fluid is clean. Replace brake fluid according to your vehicle's maintenance schedule.
- **Rotor Condition:** Check brake rotors for excessive wear, scoring, or warping. Replace or resurface rotors as needed when installing new pads.
- **Cleanliness:** Keep wheels and brake components clean to prevent accumulation of dust and debris, which can affect performance and lead to noise. TEC brake pads are designed for cleaner wheels with low dust formulation.

Easy to Install

Include all premium hardware needed for easy and problem-free installation.

*Only applicable when required by the application and allowed by the FMSI standard for safety.

• **IMPORTANT - Reference the product picture to see what is included.** •

Image 5.1: TEC brake pads contribute to cleaner wheels by reducing brake dust.

6. TROUBLESHOOTING

If you experience any issues with your brake pads, consider the following common problems and solutions:

Symptom	Possible Cause	Solution
Squealing/Grinding Noise	Improper installation, worn pads, contaminated pads/rotors, lack of lubrication on contact points, worn hardware.	Re-inspect installation, replace worn pads, clean components, apply brake lubricant to non-friction surfaces, replace hardware.
Vibration/Pulsation	Warped rotors, uneven pad wear, loose caliper.	Inspect and replace/resurface rotors, check for proper pad seating, tighten caliper bolts.

Symptom	Possible Cause	Solution
Reduced Braking Performance	Worn pads, brake fluid issues, air in brake lines, contaminated pads.	Inspect pads, check brake fluid, bleed brake lines, replace contaminated pads.
Excessive Brake Dust	Normal for some pad types, but excessive dust can indicate issues.	TEC ceramic pads are designed for low dust. If excessive, inspect for rotor wear or other system issues.

If troubleshooting steps do not resolve the issue, consult a certified automotive technician.

7. SPECIFICATIONS

Attribute	Detail
Model Number	TEC-2375
Part Position	Front
Material Type	Ceramic
Product Dimensions	21 x 13.5 x 5 cm
Item Weight	2.03 kg
Manufacturer	Transit
Country of Origin	China
Specification Met	OEM
GTIN / UPC	775629547525

8. WARRANTY AND SUPPORT

8.1 Limited Lifetime Warranty

TEC Front Ceramic Disc Brake Pads TEC-2375 come with a **Limited Lifetime Warranty** against manufacturer defects. This warranty covers defects in materials and workmanship under normal use and service. For specific terms and conditions, please refer to the official TEC warranty documentation or contact customer support.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact TEC customer support through their official channels. You can also visit the [TEC Store on Amazon](#) for more information.

