

SCITOO D714

SCITOO D714 Rear Ceramic Brake Pads Set Instruction Manual

Brand: SCITOO | Model: D714

1. PRODUCT OVERVIEW

The SCITOO D714 Rear Ceramic Brake Pads Set is engineered to provide reliable and efficient braking performance for a wide range of vehicles. These ceramic brake pads are manufactured to precise OE requirements, ensuring a perfect fit and easy installation. They are designed to offer excellent balance and stopping power, contributing to a fast and stable stop without excessive noise or vibration. The advanced design features, such as slotted and chamfered surfaces, enhance heat dissipation and reduce brake dust, contributing to an extended lifetime and a comfortable driving experience.

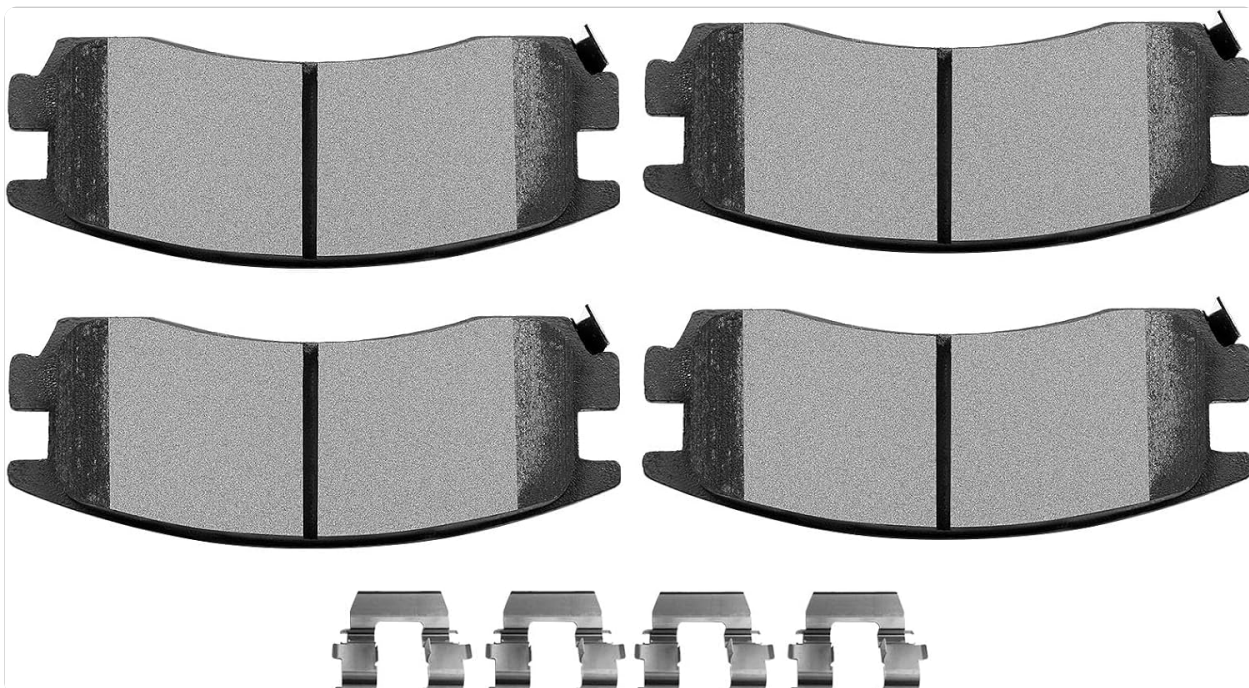


Figure 1: SCITOO D714 Rear Ceramic Brake Pads Set with mounting hardware.

2. WHAT'S IN THE BOX

Each SCITOO D714 Rear Ceramic Brake Pads Set typically includes the following components:

- 4 x Ceramic Brake Pads (for rear driver and passenger side)
- Mounting Hardware (as shown in product images)
- Brake Lubricant (small packet)

3. SETUP AND INSTALLATION

The SCITOO D714 brake pads are designed for easy installation, manufactured to precise OE requirements for a direct fit. While designed for ease of use, professional installation is highly recommended for brake system components to ensure proper function and safety.

Key Installation Considerations:

- **Preparation:** Ensure the vehicle is safely lifted and supported. Remove the wheel and access the brake caliper assembly.
- **Old Pad Removal:** Carefully remove the old brake pads and any associated hardware. Inspect the brake rotors for wear or damage; replace if necessary.
- **Caliper Piston Retraction:** Retract the brake caliper piston(s) to accommodate the new, thicker brake pads.
- **Lubrication:** Apply the provided brake lubricant to the contact points of the new pads and hardware to prevent noise and ensure smooth operation.
- **New Pad Installation:** Install the new SCITOO D714 ceramic brake pads and all new mounting hardware.
- **Reassembly:** Reinstall the brake caliper, wheel, and lower the vehicle.
- **Brake System Bleeding (if necessary):** If the brake lines were opened or air entered the system, bleed the brakes according to your vehicle's service manual.
- **Break-in Procedure:** Follow a proper break-in procedure for new brake pads to ensure optimal performance and longevity. This typically involves a series of moderate stops from varying speeds.

PADS DESIGN

Brake Pads are Made Of OE Material and Ablated at High Temperature, Reduced Dust & Higher Coefficient Of Friction

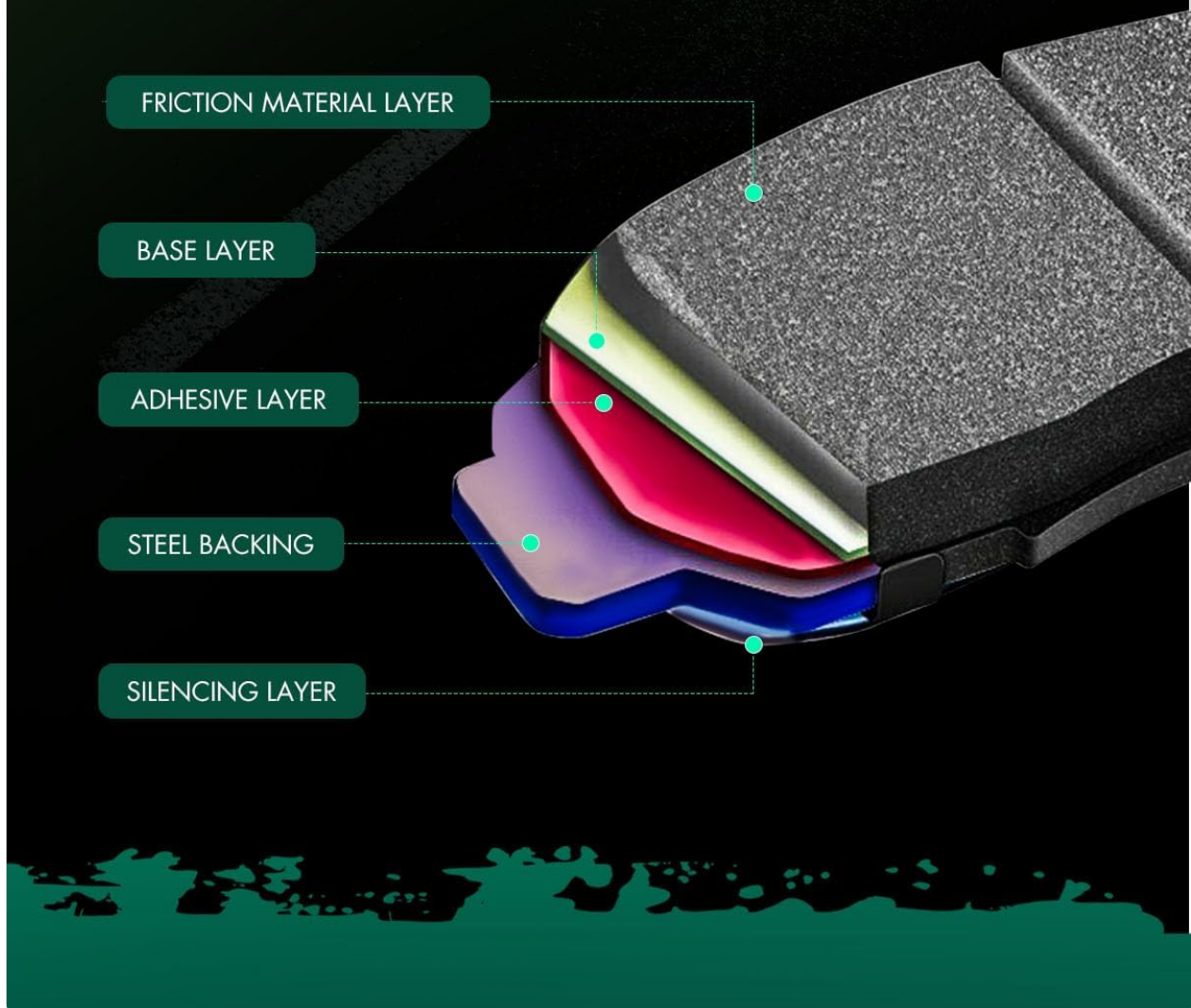


Figure 2: Exploded view of brake pad components.

4. OPERATING PRINCIPLES

Brake pads are a critical component of a vehicle's braking system. When the brake pedal is pressed, a hydraulic system transmits the braking force to the brake caliper. The caliper then clamps the brake rotors, and the friction material of the brake pads applies friction to the rotors, which slows down or stops the vehicle.

Video 1: An animated demonstration of how brake pads and calipers function within a vehicle's braking system, illustrating the hydraulic pressure and friction process.

The SCITOO D714 ceramic brake pads feature a slotted design for fast heat dissipation and easy discharge of brake dust, and a chamfer design that ensures effective contact to reduce brake noise. These design elements contribute to consistent and quiet braking performance.

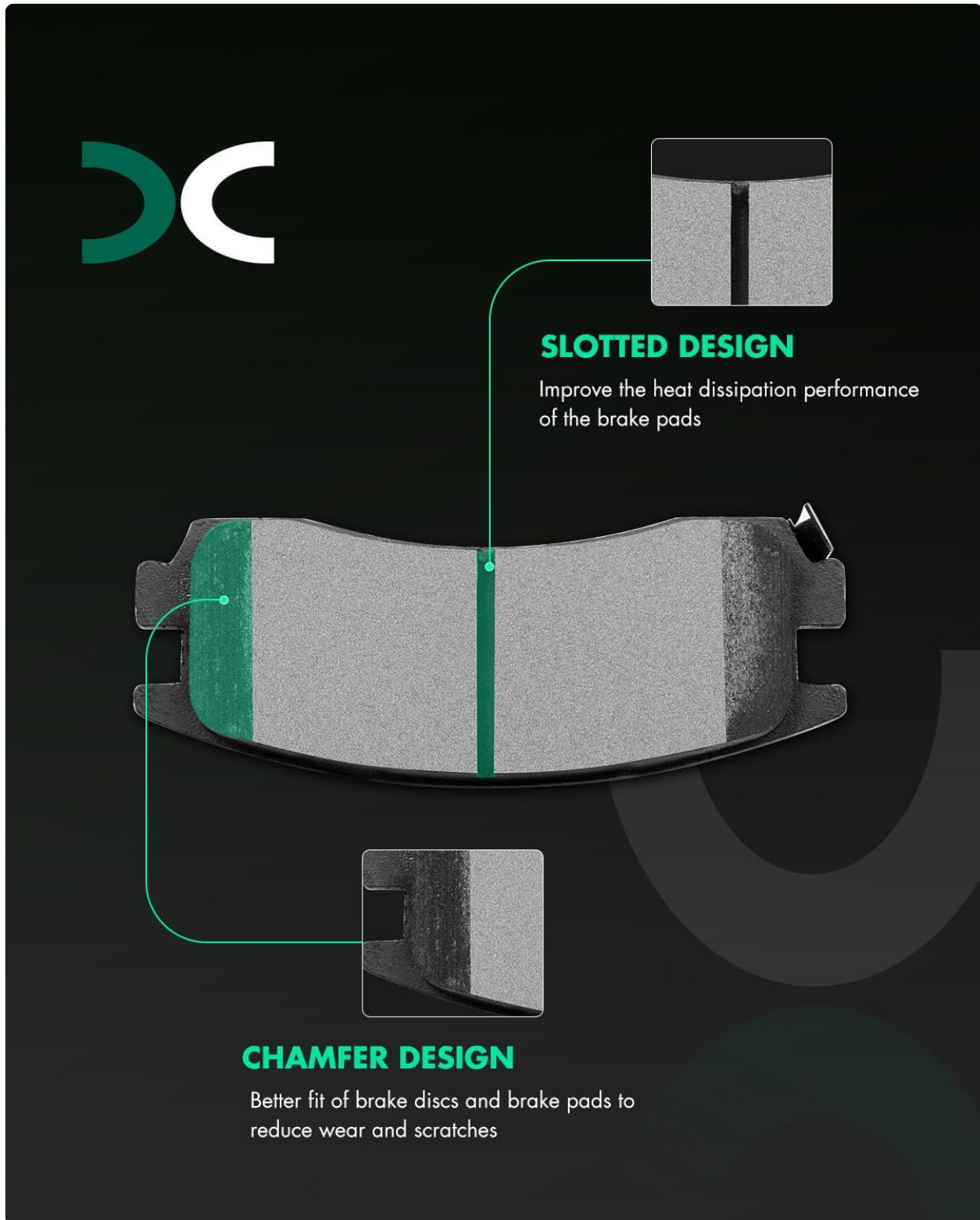


Figure 3: Slotted and Chamfer Design benefits.

5. MAINTENANCE

Regular inspection and timely replacement of brake pads are crucial for maintaining vehicle safety and performance. The general replacement cycle for brake components can vary based on driving habits, road

conditions, and material type.

General Replacement Cycle:

- **Front Brake Pad:** 30,000-50,000 kilometers
- **Rear Brake Pad:** 60,000-100,000 kilometers
- **Front Brake Rotor:** 60,000-80,000 kilometers
- **Rear Brake Rotor:** Approximately 100,000 kilometers

**Driving habits and road conditions can significantly affect the actual lifetime of brake components. Always consult your vehicle's service manual for specific maintenance schedules.*

GENERAL REPLACEMENT CYCLE OF BRAKES



- | | |
|--|--|
| 1. Front brake pad : 30000-50000 kilometers | 3. Front brake rotor : 60000-80000 kilometers |
| 2. Rear brake pad : 60000-100000 kilometers | 4. Rear brake rotor : about 100000 kilometers |

**Driving habits and road conditions can affect specific lifetime*

Figure 4: General replacement cycle for brake components.

6. TROUBLESHOOTING

While SCITOO brake pads are designed for optimal performance, certain issues may arise. Here are common troubleshooting tips:

Common Brake Issues:

- **Squealing/Grinding Noise:**
 - Ensure proper lubrication during installation.
 - Check for proper seating of pads and hardware.
 - Inspect rotors for uneven wear or scoring.
 - Verify correct pad type for your vehicle.
- **Vibration/Pulsation during Braking:**
 - Indicates warped brake rotors. Rotors may need resurfacing or replacement.
 - Check for loose wheel bearings or suspension components.
- **Excessive Brake Dust:**
 - Ceramic pads generally produce less dust than semi-metallic, but some dust is normal.
 - Ensure proper break-in procedure was followed.
- **Reduced Braking Performance:**
 - Check for air in the brake lines (requires bleeding).
 - Inspect for brake fluid leaks.
 - Verify proper installation and pad orientation.
 - Ensure brake fluid level is adequate.

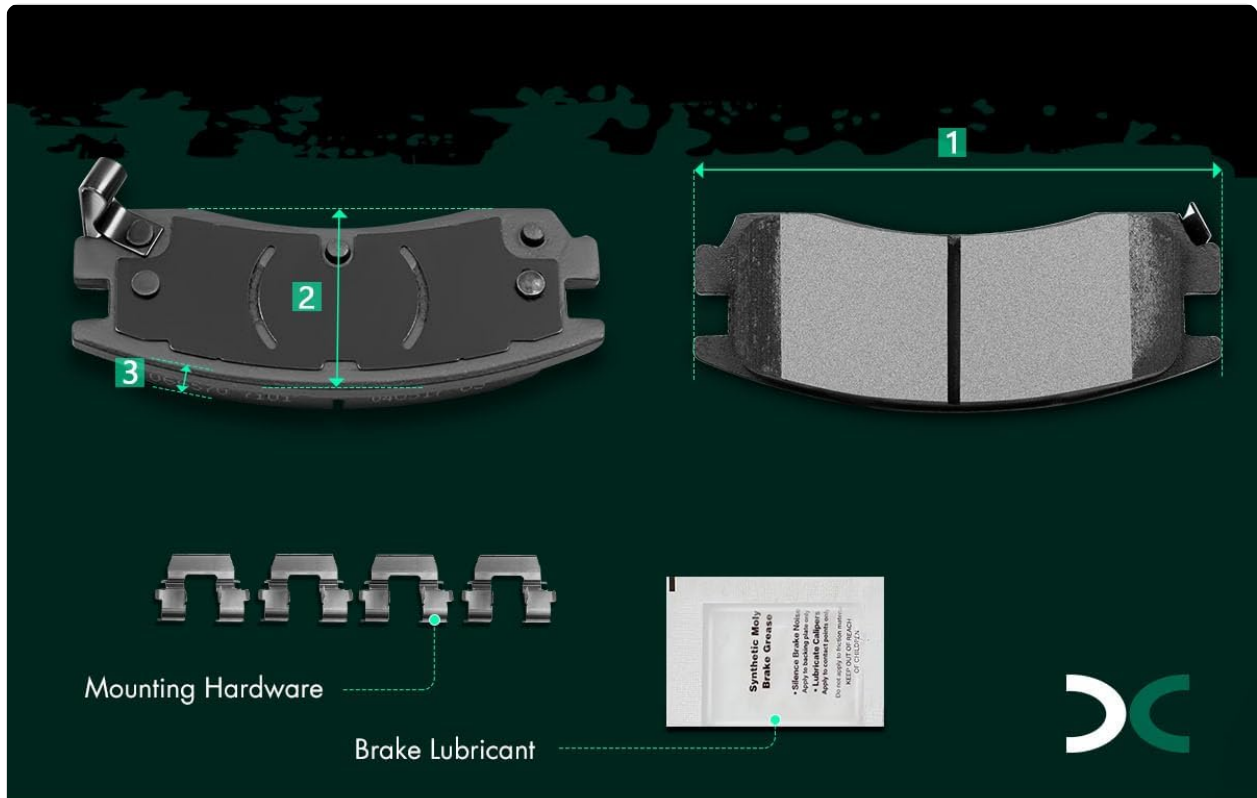
If you experience persistent issues, it is recommended to consult a qualified automotive technician.

7. SPECIFICATIONS

Detailed specifications for the SCITOO D714 Rear Ceramic Brake Pads:

Specification	Value
Brand	SCITOO
Model	D714
Auto Part Position	Rear
Material	Ceramic
Product Length	107.83mm

Product Width	41.05mm
Product Thickness	13.8mm
Friction Coefficient	FF(0.35~0.45/0.35~0.45)
Working Temperature	550°C
OEM Part Number	D714-7387
Item Weight	1.89 pounds
Product Dimensions	6.5 x 5.12 x 2.36 inches



Rear Driver & Passenger Side [D714]

1.	Product Length	107.83mm
2.	Product Width	41.05mm
3.	Product Thickness	13.8mm
4.	Pads Material	Ceramic
5.	Friction Coefficient	FF(0.35~0.45/0.35~0.45)
6.	Working Temperature	550°C



8. VEHICLE COMPATIBILITY

The SCITOO D714 Rear Ceramic Brake Pads are compatible with a wide range of vehicle makes and models. Please verify compatibility using the 'amazonconfirmedfit' Fitment System or consult your vehicle's service manual.

Compatible Vehicle Models:

- **Buick:** Allure (08-09), Century (04-05), LaCrosse (08-09), LeSabre (00-05), Park Avenue (97-05), Regal (94-04), Rendezvous (02-07), Riviera (92-93, 95-99)
- **Cadillac:** Allante (93), DeVille (94-05), Eldorado (92-02), Seville (92-97, 03-04)
- **Chevrolet:** Impala (00-10), Lumina (95-99), Monte Carlo (95-07), Venture (02-04)
- **Oldsmobile:** Alero (99-04), Aurora (95-99, 01-03), Cutlass Supreme (94-97), Intrigue (98-02), Silhouette (02-04), Toronado (92)
- **Pontiac:** Aztek (01-05), Bonneville (00-05), Grand Am (99-05), Grand Prix (94-03), Montana (02-04)
- **Saturn:** SC (91-92), SC1 (93-98), SC2 (93-98), SL (91-98), SL1 (91-98), SL2 (91-98), SW1 (93-98), SW2 (93-98)

COMPATIBLE WITH

∞ · Compatible With Models:

Year	Make	Model	Engine
• 2000-2005	For Buick	For LeSabre	3.8L
• 1997-2005	For Buick	For Park Avenue	3.8L
• 1994-1996	For Buick	For Regal	3.1L
• 1994-1996	For Buick	For Regal	3.8L
• 1992-1997	For Buick	For Riviera	3.8L
• 1993	For Cadillac	For Allante	4.6L
• 1994-2005	For Cadillac	For DeVille	4.6L
• 1994-1995	For Cadillac	For DeVille	4.9L
• 1993-2002	For Cadillac	For Eldorado	4.6L
• 1992-1993	For Cadillac	For Eldorado	4.9L
• 1985 1987	For Cadillac	For Seville	4.6L
• 1992-1993	For Cadillac	For Seville	4.9L



COMPATIBLE WITH

• Compatible With Models:

Year	Make	Model	Engine
• 2000-2005	For Pontiac	For Bonneville	3.8L
• 2004	For Pontiac	For Bonneville	4.6L
• 1994-1996	For Pontiac	For Grand Prix	3.1L
• 1994-1996	For Pontiac	For Grand Prix	3.4L
• 1991-1992	For Saturn	For SC	1.9L
• 1993-1998	For Saturn	For SC1	1.9L
• 1993-1998	For Saturn	For SC2	1.9L
• 1991-1998	For Saturn	For SL	1.9L
• 1991-1998	For Saturn	For SL1	1.9L
• 1991-1998	For Saturn	For SL2	1.9L
• 1993-1998	For Saturn	For SW1	1.9L
• 1993-1998	For Saturn	For SW2	1.9L



COMPATIBLE WITH

SCITOO • Compatible With Models:

Year	Make	Model	Engine
• 1995-2000	For Chevrolet	For Lumina	3.1L
• 1995-1997	For Chevrolet	For Lumina	3.4L
• 1998-1999	For Chevrolet	For Lumina	3.8L
• 1999	For Chevrolet	For Monte Carlo	3.1L
• 1995-1997	For Chevrolet	For Monte Carlo	3.4L
• 1998-1999	For Chevrolet	For Monte Carlo	3.8L
• 2001-2002	For Oldsmobile	For Aurora	3.5L
• 1991-1995	For Oldsmobile	For Aurora	4.0L
• 1997	For Oldsmobile	For Cutlass	3.1L
• 1994-1997	For Oldsmobile	For Cutlass Supreme	3.1L
• 1994-1996	For Oldsmobile	For Cutlass Supreme	3.4L
• 1992	For Oldsmobile	For Toronado	3.8L



Figure 6: Visual compatibility charts for various vehicle makes and models.

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the official SCITOO website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

10. LEGAL DISCLAIMER

Non-Infringement Disclaimer for Auto Parts Sales: Please note that all references to brand names and models are for compatibility purposes only and do not imply any affiliation or endorsement by the original manufacturer.

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