

# SINOVA

## Product Manual

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sinova was founded by a group of diversified OE parts manufacturers with proven quality and exclusive certification by All Parts Care. sinova offers products in over 37 categories and, on average, covers more than 85% of Japanese, Korean, American, and European vehicles. sinova provides a best-in-class supply chain and connects with over 5,000 service centers across twelve countries.



# CATALOGUE



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# Brake Pads

## OE Quality



### U-shaped Ventilation Slot

Partsgo changes the natural frequency, improving noise reduction, heat dissipation, and the removal of foreign matter.

### Shaped Chamfer

Partsgo shortens the running-in period and reduces noise.

### Electrostatic Powder Coating

With electrostatic powder coating seal, Partsgo provides anti-rust and anti-corrosion protection, extending the brake pads' life cycle.



### Friction Lining

Partsgo uses a comprehensive, high-performance ceramic formula and imports core raw materials to match vehicle design.

### Ultimate Performance Ceramic Formula

Under the guidance of Japanese experts, Partsgo engineers developed the ultimate performance ceramic formula, featuring a high friction coefficient, sensitive braking, excellent comfort, low noise, low dust, and a long lifespan.

### Comfortable Silent Ceramic Formula

Imported copper and aramid ceramic fibers are used as the main components, offering strong adaptability, excellent noise performance, exceptional smoothness, stable braking, and good cleanliness.

### High Temperature Scorching

Partsgo reduces running-in time and improves initial braking and noise performance.

### One-Step Forming

Partsgo ensures even wear of the friction materials, guaranteeing stable braking performance and longer lifespan.

### Friction Under-Layer

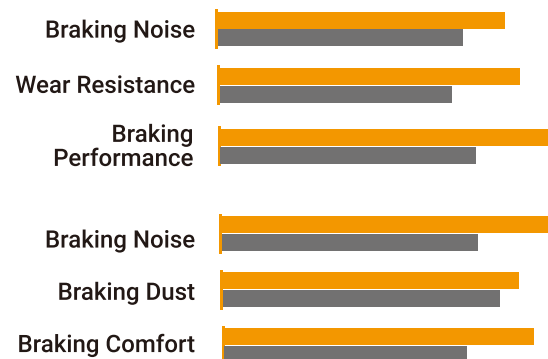
Partsgo imports core raw materials to achieve reliable shear strength and thermal conductivity.

### Adhesive Layer

Partsgo imports adhesive and bonding materials from Japan to ensure stronger adhesion.

■ PartsGo brake pads ■ General brake pads

WORSE ← Performance → BETTER



# Brake Rotors & Drums

## OE Quality



- Engineered from OE design and specifications
- Quality tested at brake testing laboratories
- Partsgo offers 5 types of rotors:
  - Bare
  - Painted hat & edge with rust-prohibitive coating
  - Fully coated with rust-prohibitive coating
  - Drilled for heat dissipation
  - Drilled & slotted for heat dissipation

### Non-Crack Ensures Safety

- High-quality raw materials are sourced from state-owned enterprises
- Inspected by CNAS National Lab (used only by top manufacturers)

### Comfortable Driving

- Flat surfaces measured with precise instruments secure less pedal vibration
- Quieter driving with low dB (Inspected by SAE J2521 Noise AK Test)



### Adaptation to Different Markets

- Aluminum ratio monitoring ensures compliance with 27 material standards across nations (e.g., G3000 for US, DIN EN1561 for EU)
- Geomet coating prevents rusting in extreme weather

### Heat Dissipation

- Mature slotting and drilling processes increase air circulation
- Imported machines from Italy and Austria (Comec, iAG)

# Brake Master

## OE Quality



### Precise Replacement

- The cylinder housing is constructed to match the casting material of the original part, ensuring similar performance.

### Durable Design

- All rubber components are made from high-quality EPDM, using 100% new material.
- Made entirely of new OE materials.



### OE Matching Installation

Developed based on OE specifications to ensure the right fit every time.



### Leakage-Proof

High-quality silicon carbide seals with excellent sealing performance effectively prevent leakage, prolonging service life.



### High Pressure Resistance for Longer Life

Made from high-quality, high-grade alloy material that is more corrosion-resistant, durable, and long-lasting.



### Rapid heat dissipation

Made with high-quality aluminum ZL101A for faster heat dissipation and stronger performance.

# Air Filter

## OE Quality



- The air filter element is an essential component. During engine operation, a large amount of air is drawn in. The air filter is installed in front of the carburetor or intake pipe to filter dust and sand from the air, ensuring sufficient and clean airflow to the cylinder.



### High Efficiency

Microfiber filter medium removes dust and dirt particles effectively.



### Strong Engine Protection

Removes dust and dirt particles, providing excellent protection for your engine.



### Extend Engine Life

Reduces abnormal engine wear by filtering out small particles.

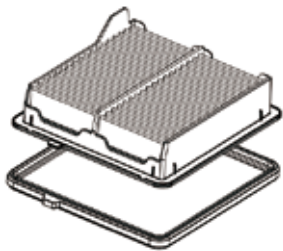
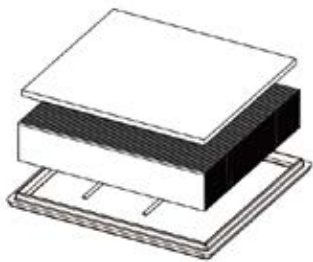
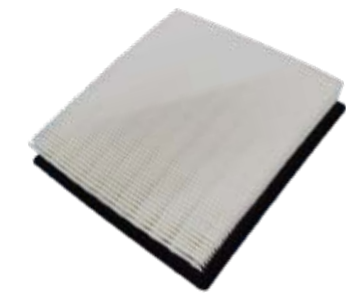


### Effective Seal

Developed based on OE specifications to ensure dimensional accuracy. Features a sealing lip made of polyurethane for more effective sealing.

# Cabin Filter

## OE Quality



- Screens out harmful pollutants to ensure cabin air is always fresh and clean, protecting you and your family.
- Optimizes airflow in your car's heating and air conditioning system.
- Achieves a filtration efficiency of up to 95% for dust, pollen, and other contaminants.
- Materials can meet both standard and premium requirements, with options including PM 2.5 filtration, antibacterial properties, scented features, or vitamin-enriched designs..

# Oil Filter

## OE Quality

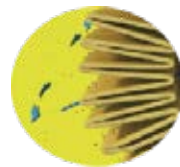


- An oil filter is a crucial component of a car's engine that helps keep the oil clean and free of contaminants. It's a small device that fits between the oil pump's machined components and the engine, designed to trap debris or particles that might circulate in the oil.

High-quality cellulose filter paper, folded evenly and compact, offers a filtration efficiency of up to 99% with a large capacity.



Efficiently filters impurities in engine oil to ensure clean oil enters the engine, reducing wear and damage.



Made of special steel for the automobile manufacturing industry. Its high strength and ductility ensure uniform durability across the shell.



# Battery

## OE Quality



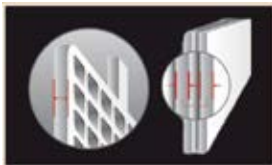
### Stamped Grid Technology

- The innovative grid design for extra power and long life enables faster recharge acceptance and optimal conductivity.
- This design is up to 60% more durable and corrosion-resistant than conventional grid designs.
- It also prevents grid growth and short circuits from exposed wires.



### Duralife Technology

Oxidation resistance increased by 40%.  
Soluble organic carbon reduced by 50%.  
Resistance reduced by 10%.  
The patented design of the negative crossbar enhances the strength of the diaphragm.



### Heat Proof Technology

Heat-proof batteries are specially designed for hot weather, providing higher resistance to corrosion and longer life.



### Carbon additive technology

High-conductivity carbon material refines the crystal size of lead sulfate at high-rate discharge, effectively delaying sulfation on the negative electrode.

The cycle discharge life is twice that of ordinary batteries.

# Ignition Coil

## OE Quality



### World-Class Wires and Materials

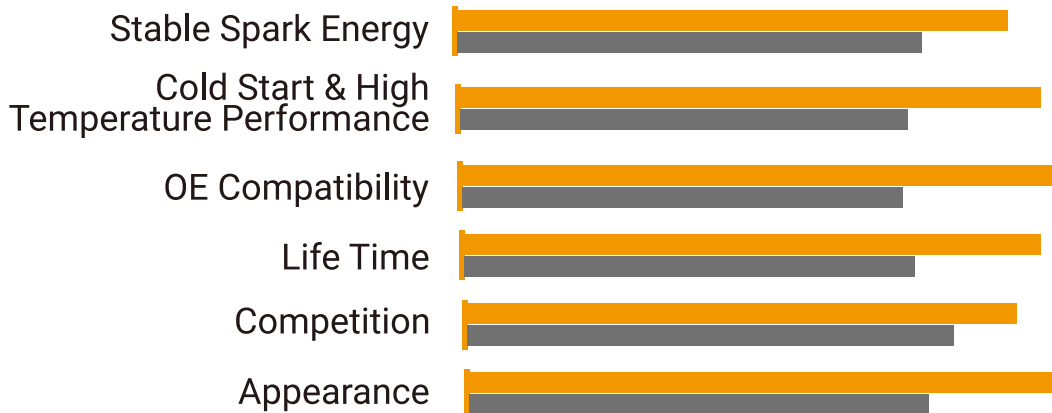
Partsgo uses world-class wires and high-quality materials to ensure superior product performance and durability.

### Advanced Technology & Development Innovation Capabilities

Partsgo coils utilize Japanese bobbin technology, guaranteeing precise turn ratios to generate high-performance sparks. This technology also incorporates additional technical improvements to extend product lifespan.

■ PartsGo ignition coils    ■ General ignition coils

WORSE ← **Performance** → BETTER



# Belt

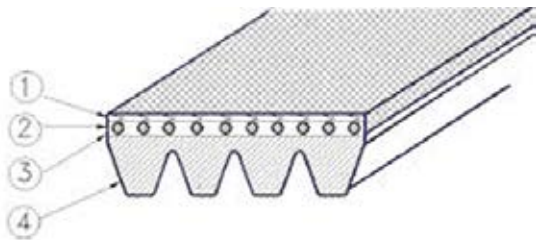
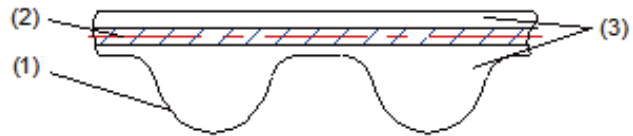
## OE Quality

### Materials:

**Cloth:** Heathcoat, England.

**Cord:** NGF, Japan.

**HNBR Rubber:** Developed by Dupont (USA) with Kevlar Fiber. HNBR is a specialized rubber and strategic material with outstanding performance and high potential for development. It offers excellent oil resistance, corrosion resistance, oxidation resistance, high and low-temperature resistance, and enhanced durability with Kevlar Fiber, significantly improving the belt's lifespan.



### Structure:

- Wide Angle Cloth
- Polyester Cord
- Adhesive Rubber
- EPDM Rubber with Kevlar Fiber

### ■ EPDM Rubber:

Imported from Germany, supplied by ARLANXEO.

Cords:

Supplied by Mehler Germany.

Offers superior oil and high-temperature resistance.

Combined with Kevlar Fiber, the belt is more durable and long-lasting.



# Shock Absorber OE Quality



## Piston Rod

Made from high-quality steel with one-time forming. Special quenching process ensures strong wear resistance and excellent metal fatigue resistance.

## Oil Seal

Oil seals from non-reputable factories can lead to early oil and gas leakage, reduced service life, abnormal noise, and other issues.

## Piston Bottom Valve and Fittings

Manufactured using Auto-Screwdriving Machines and Powder Metallurgy. Piston fittings resist rust, preventing oil deterioration and valve rust failure, ensuring stable performance and extended product life.

## No Leakage

- Uses NOK or RFX oil seals with advanced oil seal piston rod combination technology, ensuring zero leakage.

## Longer Life

- High-quality steel with one-time forming and a special quenching process provides superior wear resistance and fatigue resistance.

## Safer

- High-quality steel construction resists deformation, strengthens connections, and ensures safer driving.

## OE Matching Installation

- Developed based on OE specifications, guaranteeing dimensional consistency and proper in-situ installation.



## Wheel Hub OE Quality



### **Corrosion Resistant**

Made from high-quality steel with one-time forming. Special quenching process ensures strong wear resistance and excellent metal fatigue resistance.

### **Easy to install**

Designed for quick, hassle-free installation.

### **Extended Life**

Application-specific advanced raceway design reduces stress, rotation, and heat on components, ensuring a longer lifespan.

### **Protection from Water and Dirt Entry**

OE-based seal design prevents damage by keeping out moisture and other contaminants.

### **Reliable Performance**

Precise roll design ensures consistent and optimal factory-installed preload, minimizing excessive noise and wear.



# Suspension Parts

## OE Quality



### **Smoother Surface:**

Advanced cold heading process provides a much smoother surface, resulting in better performance.

### **High-Strength Arm:**

Produced using Japanese precision welding for enhanced durability.

### **High-Performance Bushing:**

Made with high-standard rubber from OEM suppliers for superior performance.

### **Improved Service Life:**

Equipped with a double dust cover for added longevity.

### **Increased Torque & Safety:**

Features a self-locking nut for improved safety.

### **Extended Lifespan:**

Enhanced with premium grease for longer-lasting performance.

## Condenser OE Quality



- Condensers are designed to integrate seamlessly with your vehicle's original air conditioning system. Their premium aluminum construction improves reliability and resists corrosion, while the superior fin wave design offers higher heat transfer and maximum refrigerant condensation. All condensers are engineered to decrease foreign particle deposits, keeping your entire condenser system running at optimal performance.

### First Time Fit

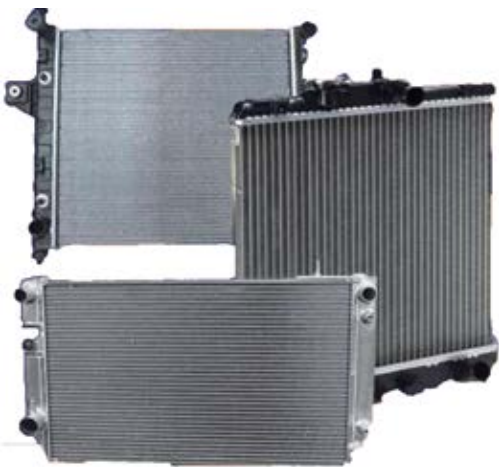
- Assures bolt-in replacement with no brackets or adapters required.
- Reduces required compressor power, improving fuel economy.
- Restores performance to like-new condition.

### Greater Durability

- Pure aluminum construction provides superior resistance to corrosion.
- Zinc diffusion layer enhances corrosion resistance.
- Competitive pricing with a full range of products.
- Unique fin design minimizes airflow blockage.
- High-performance condenser reduces the required compressor power.

# Radiator

## OE Quality



- The radiator consists of three main components: the inlet tank, core, and outlet tank. The core is primarily made up of two sets of passages: tubes and fins.

### **Tubes:**

Act as the flow passage for the coolant.

### **Fins:**

Facilitate airflow between the tubes, allowing heat to transfer efficiently. Heat from the hot coolant is transmitted to the fins through the tubes. Air passing between the fins picks up and carries the heat away, ensuring optimal cooling performance.

- Drop-in fit, form, and function.
- Radiators are 100% tested up to three times during production.
- Enhancements address original design failures, improving longevity for high-mileage vehicles.
- Transmission and engine oil coolers meet OE design standards with copper concentric, aluminum concentric, stainless steel, and aluminum-plated coolers.
- State-of-the-art testing includes cycle, vibration, burst, and environmental tests.
- Premium-grade materials ensure product durability and extended service life.
- Comprehensive radiator coverage for replacement and crash markets.

# Water Pump

## OE Quality



### Housing

- Made with high-quality aluminum ADC-12 for faster heat dissipation and enhanced performance.

### Bearing

- Customized bearings offer excellent impact and wear resistance.
- Can withstand high-speed and high-load conditions for an extended period.

### Water Seal

- High-quality silicon carbide water seal provides excellent sealing performance.
- Effectively prevents leakage and prolongs service life.

### ➤ High Temperature Resistance & Longer Life

Made with high-grade alloy material, ensuring superior corrosion resistance, durability, and an extended service life.

### ➤ Rapid Heat Dissipation

High-quality aluminum ADC-12 enhances heat dissipation and overall performance.

### ➤ Leakage Proof

Silicon carbide water seal offers superior sealing to prevent leaks and extend service life.

### ➤ OE Matching Installation

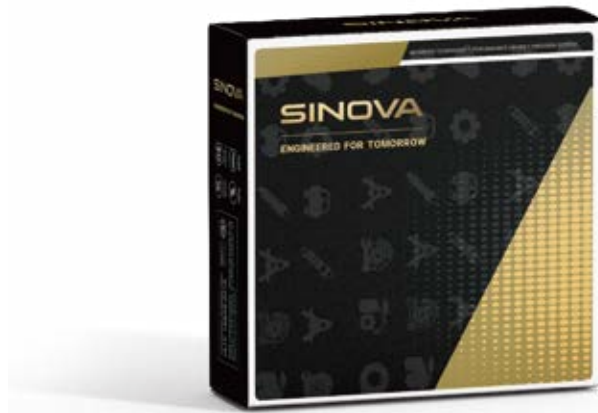
Designed based on OE specifications to ensure a perfect fit every time.

# Auto Accessories Solution

- Covers and Mats
- Car Wash
- Wipers
- Light Bulbs
- Heavy-Duty Wipers
- Workshop Tools
- Workshop Equipment
- Gift Sets
- POP Displays
- Car Film and Tools
- Freon
- Performance Chemicals
- Brake Fluid
- Lubricants
- Coolant



# Back Dasc



## Sinova Bi-Metallic Rotor



- Engineered From OE Design and Specifications
- Lightweight Design with Weight Reduction of 15%-20%
- High Carbon Iron Grade with Excellent Heat Dissipation Performance
- High Structural Strength, Reducing the Risk of Cracking
- Extended Service Life Through Improved Wear Resistance
- Fully Coated Anti-Rust Coating
- Smooth Braking and Low Noise
- Full Coverage on Mercedes Benz and BMW
- 18months Warranty

## Applicable Models

GMC SONOMA 2.2 2002-  
 CHRYSLER NEONI 1.6 2001-2006  
 BMW 1(E81)116i 2006~2011  
 BMW 3 (F31)2.0 330i 2016-  
 BMW 5(E60)48 550i 2005~2010  
 BMW 6(E64)3.0 630i 2007~2010  
 BMW 7(F02)4.0 750Li 2013-2015  
 BMW Z4(E89)3.0 sDrive 35is 2010-



**MERCEDES-BENZ** MERCEDES-BENZ C(W205)2.0 C200 2015-  
**MERCEDES-BENZ** MERCEDES-BENZ E (W213) 2.0T E350L 2018-  
**MERCEDES-BENZ** MERCEDES-BENZ C(C238)2.0T E300 2016-  
**MERCEDES-BENZ** MERCEDES-BENZ S (W222)2.0T S320L 2014-  
**LAND ROVER** LAND ROVER DEFENDER Station (L663)D200 2019-  
**LAND ROVER** LAND ROVER DISCOVERY SPORT (L550) 1.5 2020-  
**LAND ROVER** LAND ROVER RANGE ROVERIV (L405) 3.0 2019-  
**TESLA** TESLA MODEL 3 2018-

# SINOVA



**Trust, Fast and Transparent**

All Parts Care continues to drive sales for customers .  
Sign up to be a distributor for sinova .