

## KYB 349068

# KYB 349068 Excel-G Gas Shock Instruction Manual

Model: 349068 | Brand: KYB

## 1. INTRODUCTION

---

The KYB 349068 Excel-G Gas Shock is an OEM replacement shock absorber designed to restore your vehicle's original handling and control characteristics. This manual provides essential information regarding the product's features, installation, operation, maintenance, and specifications to ensure optimal performance and longevity.





*Image 1: The KYB 349068 Excel-G Gas Shock, a direct OEM replacement component.*

## 2. PRODUCT OVERVIEW

---

The KYB Excel-G Gas Shock is engineered for SUVs and Crossovers, focusing on restoring the vehicle's original capabilities rather than altering them. Key features include:

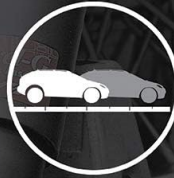
- **OEM Replacement:** Specifically calibrated to help restore original handling and control characteristics.
- **Twin-Tube Design:** Utilizes a seamless working cylinder matched with a Teflon coated piston band for a positive seal and extended life.
- **Durability:** Features a triple chrome plated piston rod and multi-lip oil seals to reduce wear.
- **Stability:** Solid seamless mounting eye rings and bolt bushings are incorporated to eliminate rattles and enhance stability.

# Excel-G™ Shocks & Struts

Restores original handling  
and control capabilities



Restores Designed  
Stability



Improves  
Stopping Distance



ESC Ready



Helps Maintain  
Wheel Alignment



Helps Prolong  
Tire Life



OE  
Replacement

**KYB**®

Image 2: Diagram illustrating the benefits of KYB Excel-G Shocks & Struts, including restored stability, improved stopping distance, ESC readiness, maintained wheel alignment, prolonged tire life, and OE replacement.

# Excel-G<sup>TM</sup>



## Twin Tube Design

Matches OEM design and is built to help restore the designed control of your vehicle

## Vehicle Specific Damping Valves

Hand assembled, in-house valves correctly manage tire contact, steering response and body control

## Seamless Working Cylinder

Allows the valves to work as designed and keep you in control

**KYB**<sup>®</sup>

World Class Shocks & Struts

Image 3: Diagram detailing the internal components of KYB Excel-G Shocks & Struts, highlighting the Twin Tube Design, Vehicle Specific Damping Valves, and Seamless Working Cylinder.

### 3. SAFETY INFORMATION

---

#### WARNING:

- Always wear appropriate personal protective equipment (PPE) including safety glasses and gloves when working on vehicle suspension components.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work. Never rely solely on a jack.
- Consult your vehicle's specific service manual for detailed removal and installation procedures. Improper installation can lead to serious injury or vehicle damage.
- Shock absorbers are pressurized. Do not attempt to open or modify the unit.

### 4. SETUP AND INSTALLATION

---

Installation of shock absorbers requires specialized tools and knowledge. It is highly recommended that installation be performed by a qualified mechanic or automotive technician. Refer to your vehicle's specific shop manual for detailed instructions.

## General Steps (Consult Shop Manual for specifics):

1. Safely lift and support the vehicle.
2. Remove the wheel corresponding to the shock being replaced.
3. Locate and loosen the upper and lower mounting bolts of the old shock absorber.
4. Carefully remove the old shock absorber.
5. Install the new KYB 349068 Excel-G Gas Shock, ensuring all bushings and washers are correctly positioned.
6. Tighten all mounting bolts to the vehicle manufacturer's specified torque settings.
7. Reinstall the wheel and lower the vehicle.

For a visual overview of shock and strut functionality and installation considerations, please refer to the following videos:

*Video 1: KYB Excel-G Shocks & Struts - This video provides an overview of KYB Excel-G shocks and struts, highlighting their design and performance characteristics.*

*Video 2: SCITOO Shocks and Struts - This video demonstrates general features and benefits of aftermarket shocks and struts, including ease of installation and vibration reduction.*

*Video 3: A-Premium Complete Suspension Strut & Coil Spring Assembly - This video showcases the components and benefits of a complete strut assembly, relevant for understanding suspension systems.*

*Video 4: ECCPP Shocks Struts Shocks Absorbers Strut Kits - This video illustrates the internal workings and quality features of shock absorbers, emphasizing easy installation and high performance.*

## 5. OPERATING PRINCIPLES

---

The KYB Excel-G Gas Shock is a nitrogen gas-charged, twin-tube design. It functions by converting kinetic energy (motion) into thermal energy (heat) through the resistance of fluid flow within the shock absorber. This damping action controls unwanted spring and suspension movement, maintaining tire contact with the road surface for optimal handling, stability, and braking performance.

## 6. MAINTENANCE

---

Regular inspection of your vehicle's suspension components, including the KYB 349068 Excel-G Gas Shocks, is crucial for safety and performance. It is recommended to have your shocks inspected by a qualified technician every 12,000 miles or annually.

### Inspection Points:

- Check for any signs of oil leakage around the shock body.
- Inspect mounting bushings and hardware for wear, cracks, or looseness.
- Look for any physical damage to the shock body, piston rod, or dust boot.
- Observe vehicle handling for excessive bouncing, swaying, or nose-diving during braking.

## 7. TROUBLESHOOTING

---

If you experience any of the following symptoms, your shock absorbers may need replacement or further inspection:

- **Excessive Bouncing:** Vehicle continues to bounce after hitting a bump.
- **Poor Handling:** Vehicle sways excessively on turns or feels unstable.
- **Nose Dive/Squat:** Front of the vehicle dips excessively during braking, or rear squats during

acceleration.

- **Uneven Tire Wear:** Scalloped or cupped wear patterns on tires.
- **Fluid Leaks:** Visible oil or fluid leaking from the shock body.
- **Noise:** Clunking or rattling sounds from the suspension.

If you observe any of these issues, consult a qualified mechanic for diagnosis and repair.

## 8. SPECIFICATIONS

---

Attribute	Value
Brand	KYB
Model Number	349068
Auto Part Position	Rear
Vehicle Service Type	SUVs
Material	Chrome
Item Weight	3.9 ounces
Product Dimensions	12.17 x 6.5 x 5.12 inches
UPC	781552585756

## 9. WHAT'S IN THE BOX

---

- 1 x KYB 349068 Excel-G Gas Shock Absorber

## 10. WARRANTY INFORMATION

---

For specific warranty details regarding the KYB 349068 Excel-G Gas Shock, please refer to the official KYB website or contact KYB customer service directly. Warranty terms typically cover manufacturing defects and material flaws under normal use and service.

## 11. SUPPORT

---

If you have any questions, require technical assistance, or need further information about the KYB 349068 Excel-G Gas Shock, please visit the official KYB website or contact their customer support team. Always ensure you have your product model number and purchase details available for efficient service.

[Visit the Official KYB Store](#)