

Monroe 5572

Monroe OESpectrum 5572 Suspension Shock Absorber User Manual

Model: 5572 | Brand: Monroe

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Monroe OESpectrum 5572 Suspension Shock Absorber. Designed to restore a vehicle's original factory drivability and performance, this shock absorber delivers an exceptional level of handling precision and control while effectively filtering out noise, vibration, and harshness. Please read this manual thoroughly before installation and use to ensure proper function and safety.

PRODUCT OVERVIEW AND KEY FEATURES

The Monroe OESpectrum 5572 shock absorber incorporates advanced technology to enhance vehicle suspension performance. Key features include:

- **Consistent Ride:** OE all-weather fluid contains special additives to assist with extreme temperatures and help reduce oil breakdown, ensuring consistent performance across various conditions.
- **Exceptional Handling:** Full displaced valving, specifically tuned for each vehicle application, adjusts to road extremes. A larger bore provides more efficient damping control, contributing to consistency and a smooth ride.
- **Control and Durability:** A PTFE-banded piston ensures consistent sealing between the piston and pressure tube, leading to better control and increased durability of the unit.
- **Reduced Noise, Vibration, and Harshness (NVH):** The Twin Technology Active Control System delivers exceptional control under most driving conditions while effectively isolating impact-related noise, vibration, and harshness.
- **Improved Performance:** A nitrogen gas-charge maintains tire-to-road contact for improved ride and handling by reducing aeration and shock fade, providing a responsive and stable driving experience.





Figure 1: The Monroe OESpectrum 5572 Suspension Shock Absorber. This image displays the complete shock absorber unit, highlighting its robust construction and design.

REDUCED NOISE, VIBRATION AND HARSHNESS

Twin Technology™ Active Control System delivers exceptional control under most driving conditions while isolating impact-related noise, vibration and harshness



Figure 2: Illustration of reduced noise, vibration, and harshness. This image shows two modern vehicles, symbolizing the enhanced ride comfort and quietness achieved with the Twin Technology Active Control System.

EXCEPTIONAL HANDLING

Full displaced valving, tuned specifically to each vehicle, adjusts to road extremes while the larger bore provides more efficient damping control to provide consistency and a smooth ride



Figure 3: Two Monroe OESpectrum shock absorbers. This image highlights the design that contributes to exceptional handling and precise control, showing the units ready for installation.

CONTROL & DURABILITY

Fluon-banded piston provides consistent sealing between piston and pressure tube for better control and increased durability

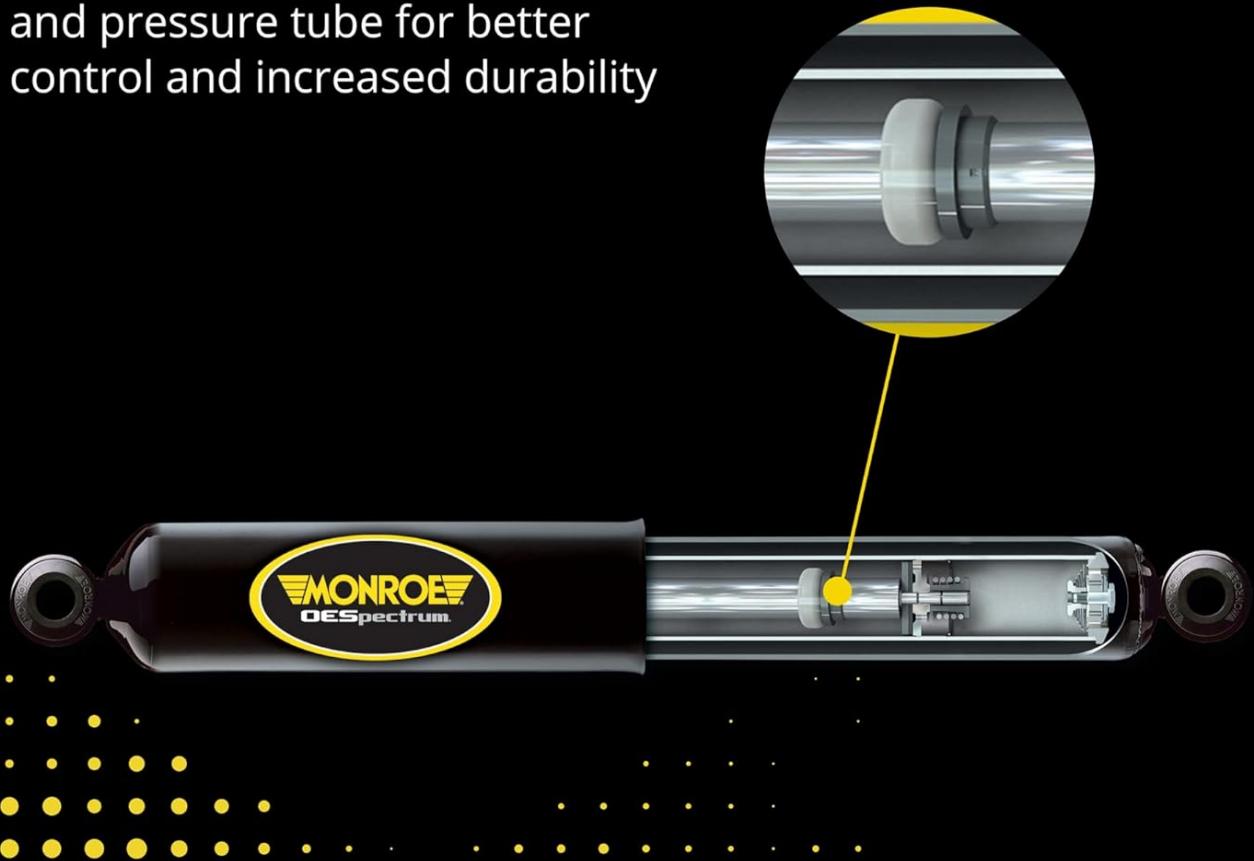


Figure 4: Cutaway view illustrating control and durability. This image shows the internal PTFE-banded piston, emphasizing its role in consistent sealing and long-term durability.

CONSISTENT RIDE

OE all-weather fluid contains special additives to assist with extreme temperatures and help reduce oil breakdown



Figure 5: Internal view demonstrating consistent ride. This image provides a detailed look at the OE all-weather fluid flow within the shock absorber, illustrating how it maintains performance under varying temperatures.

IMPROVES PERFORMANCE

High pressure nitrogen gas charge maintains tire-to-road contact for improved ride and handling while tight damping response provides vehicle control.



Figure 6: Monroe OESpectrum shock absorber with protective boot. This image shows the complete assembly, including the boot, which contributes to improved performance by protecting internal components.

BUILT TO LAST

Self-lubricating fluid seal retains gas and reduces excessive friction against the piston rod to help reduce premature wear

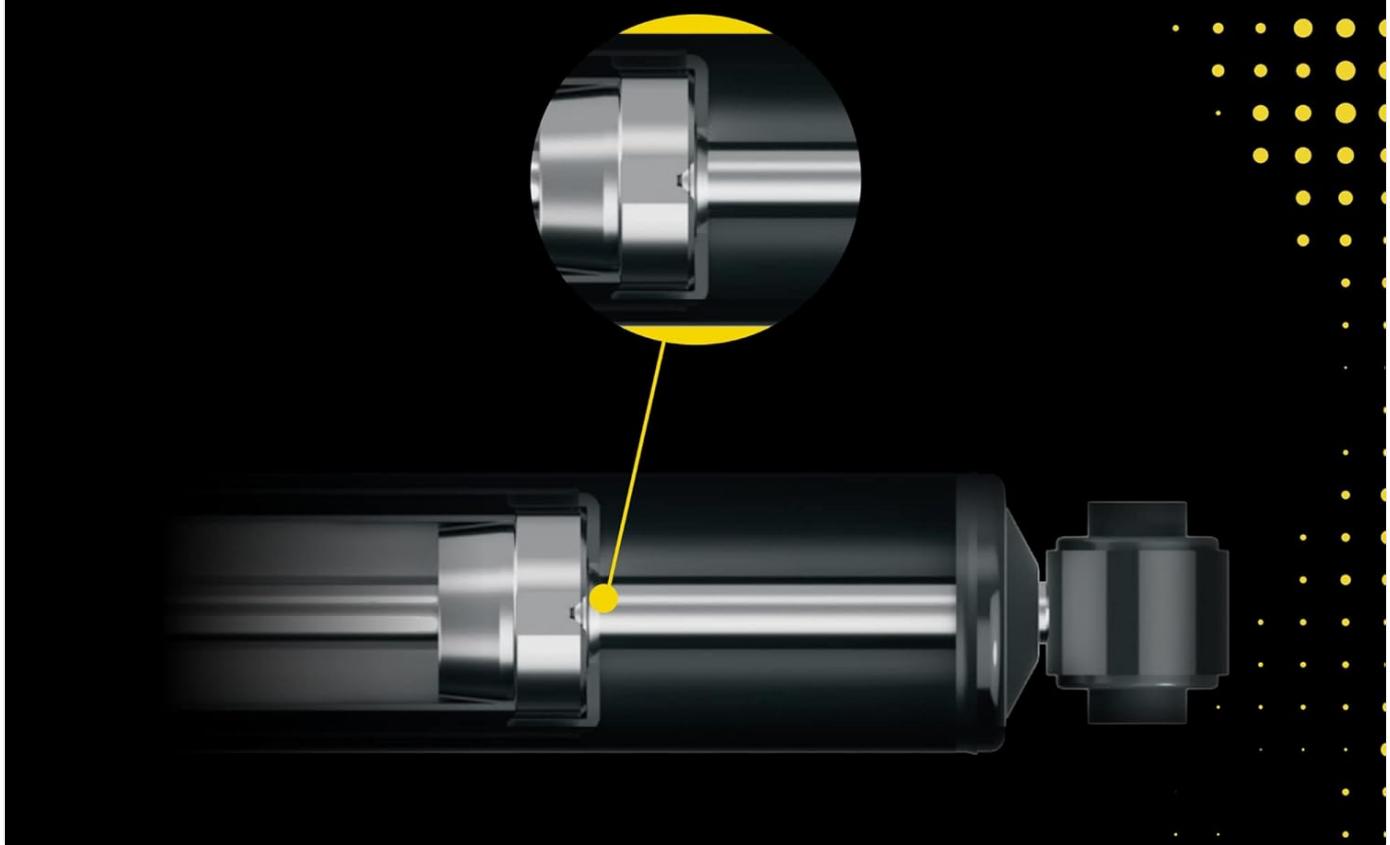


Figure 7: Close-up of the self-lubricating fluid seal. This image highlights the critical component that retains gas and reduces friction, ensuring the shock absorber is built to last.

INSTALLATION GUIDE

Installation of suspension components should ideally be performed by a certified automotive technician. Improper installation can lead to vehicle instability and safety hazards. Always refer to your vehicle's specific service manual for detailed instructions and torque specifications.

Required Tools and Equipment:

- Vehicle lift or jack stands
- Wheel chocks
- Socket wrench set (metric/SAE as required)
- Torque wrench
- Penetrating oil

- Wire brush
- Safety glasses and gloves

General Installation Steps:

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and chock the wheels. Lift the vehicle safely using a lift or jack stands. Remove the wheel corresponding to the shock absorber being replaced.
2. **Access Old Shock:** Locate the existing shock absorber. Depending on the vehicle, this may involve removing other components for access. Clean any rust or debris from mounting bolts using a wire brush and apply penetrating oil.
3. **Remove Old Shock:** Carefully unbolt the upper and lower mounting points of the old shock absorber. Be aware that the suspension may drop or spring up once the shock is removed.
4. **Install New Shock:** Position the new Monroe OESpectrum 5572 shock absorber into place. Align the mounting holes and insert the bolts. Hand-tighten all bolts initially.
5. **Torque Bolts:** Refer to your vehicle's service manual for the correct torque specifications for the upper and lower mounting bolts. Use a torque wrench to tighten all bolts to the specified values. *Do not overtighten.*
6. **Reassembly:** Reinstall any components removed for access. Reattach the wheel and lower the vehicle.
7. **Final Check:** After installation, bounce the vehicle's suspension a few times to settle the components. Check all bolts for proper tightness. It is recommended to have a wheel alignment performed after replacing suspension components.

OPERATING PRINCIPLES

The Monroe OESpectrum 5572 shock absorber is a critical component of your vehicle's suspension system, designed to control unwanted spring motion. When your vehicle encounters bumps or dips, the springs compress and rebound. Without shock absorbers, this motion would continue, leading to an uncomfortable and uncontrolled ride.

The shock absorber works by converting the kinetic energy of suspension movement into thermal energy, which is then dissipated. This is achieved through the movement of a piston within a fluid-filled tube. As the piston moves, fluid is forced through small orifices, creating hydraulic resistance that dampens spring oscillations. The OESpectrum's advanced valving and nitrogen gas charge ensure consistent damping force, maintaining optimal tire-to-road contact for improved stability, handling, and braking performance.

MAINTENANCE AND CARE

Monroe OESpectrum shock absorbers are designed for long-lasting performance with minimal maintenance. However, regular inspection of your vehicle's suspension components is recommended as part of routine vehicle servicing.

Inspection Checklist:

- **Visual Inspection:** Check for any signs of fluid leaks around the shock absorber body. A slight film of oil is normal, but excessive wetness indicates a leak.
- **Damage Check:** Inspect the shock absorber body for dents, bends, or other physical damage. Check the piston rod for pitting or scoring.
- **Mounting Points:** Ensure all mounting bolts are secure and free from corrosion. Check rubber bushings for cracks, deterioration, or excessive wear.
- **Performance Check:** If you notice increased body roll, excessive bouncing after hitting bumps, nose-diving during braking, or uneven tire wear, it may indicate worn shock absorbers.

If any issues are identified during inspection, it is recommended to consult a qualified technician for further assessment and potential replacement.

TROUBLESHOOTING

This section addresses common symptoms that may indicate issues with your vehicle's suspension, potentially related to shock absorber performance.

Symptom	Possible Cause	Recommended Action
Excessive Bouncing/Ride Harshness	Worn or failing shock absorber, incorrect tire pressure.	Inspect shock absorbers for leaks/damage. Check tire pressure. Consult technician.
Increased Body Roll/Poor Cornering	Worn shock absorbers, worn sway bar links/bushings.	Inspect suspension components. Consider shock absorber replacement.
Nose-Diving During Braking	Worn front shock absorbers.	Inspect front shock absorbers. Replace if necessary.
Uneven Tire Wear (cupping/scalloping)	Worn shock absorbers, unbalanced tires, alignment issues.	Inspect shock absorbers. Have tires balanced and alignment checked.
Clunking/Rattling Noises from Suspension	Loose mounting bolts, worn bushings, internal shock damage.	Inspect all mounting points and bushings. If noise persists, professional diagnosis is needed.

For any persistent or severe issues, it is always recommended to seek diagnosis and repair from a qualified automotive professional.

SPECIFICATIONS

Attribute	Detail
Brand	Monroe
Model	OESpectrum
Item Model Number	5572
OEM Part Number	5572
UPC	048598247292
Auto Part Position	Front
Style	Active
Vehicle Service Type	Car
Exterior Finish	Machined
Material	Alloy Steel
Item Weight	2.74 pounds
Product Dimensions	23.1 x 4 x 2.6 inches
Manufacturer	DRiV Incorporated
Date First Available	June 15, 2023

WHAT'S IN THE BOX

Your Monroe OESpectrum 5572 Suspension Shock Absorber package includes:

- Monroe OESpectrum 5572 Suspension Shock Absorber unit(s)
- Parts Pack(s) (may include nuts, bolts, washers, or bushings as required for installation)

Please verify all components are present upon opening the package. If any parts are missing or damaged, contact customer support immediately.

WARRANTY AND SUPPORT

Monroe products are manufactured to high-quality standards and are backed by a manufacturer's warranty. Specific warranty terms and conditions may vary. Please retain your proof of purchase for warranty claims.

For technical assistance, warranty inquiries, or to locate a certified installer, please visit the official Monroe website or contact their customer support line. Contact information can typically be found on the product packaging or the manufacturer's official website.

Monroe Official Website: www.monroe.com

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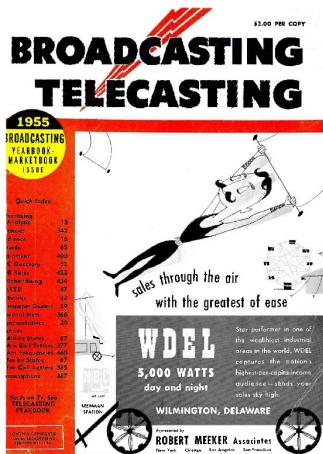
Gerni AUTHORISED SERVICE AGENTS		
Page 1		
ACT	Address	Contact No.
RapidClean DRB 21 Lyle St, Pyrmont NSW 2009		
NSW	Address	Contact No.
The Tool Store 25 Monro Ave, Kirrawee 2232		
United Tools - Gosford 20 Main St, Gosford NSW 2250		
Car & Gear Tool Doctor 1 & 5 Anzac Pde, North Sydney NSW 2000		
Edgar Bros Service Centre 811 Macquarie St, Sydney NSW 2000		
Harry's Machinery & Mechanical 10 Webb St, Arncliffe NSW 2210		
ICE Electric (Previously Pallet Tools) 4/175 Lake St, Port Macquarie NSW 2440		
Rapaclean Soft Wash 10 Monro St, Coffs Harbour NSW 2450		
Rapaclean Soft & Magic 20-30 Macquarie St, Sydney NSW 2000		
NT	Address	Contact No.
Harvey Distributors 18 Merville Pl, Merville NT 0800		
QLD	Address	Contact No.
Hobby Medical Supplies 1/101 Herston Rd, Herston QLD 4006		
I-Tool Distributors 1/228 Bally St, Southport QLD 4215		
Gold Coast Pressure Cleaners 5 Drayton St, Gold Coast QLD 4216		
Daily Mover Supplies 1/101 Herston Rd, Herston QLD 4006		
Industrial Cleaning Supplies 1/28 Tuggerah Ave, Tuggerah NSW 2254		
Signature Cleaning 1/8 Tuggerah Ave, Tuggerah NSW 2254		
Big Bills Cleaning Supplies 2/19/1888 St, Townsville QLD 48111		
Caves Chemicals 1/5 Jalan St, Cairns QLD 4820		
Adelaide Tools - Mississ 1738 Admiralty Avenue, Mississ SA 5020		
Adelaide Tools - SA Metro 1195 South Rd, St Morph SA 5042		
Prestige Power Tool Repairs 3/302 Malina Rd, Milnerton SA 2041		
Precision Generators 10/1000 Northgate Rd, Northgate SA 5000		
Aptech Tools 801 Research St, Port Pirie SA 5405		
Adelaide Tools - Coorparoo 801 Main St, N. Coorparoo SA 4114		
Adelaide Tools - Lonsdale 31 Lonsdale Rd, Lonsdale SA 5040		

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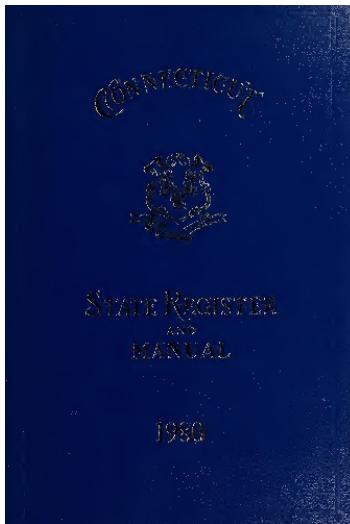


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Showroom and Sales Office Locations KnollStudio			
Region	Sales Representative	Phone	Fax
Atlanta	Jane Hunecke Jane.Hunecke@nkdc.com	0 404 231-7028	C 404 316-2409
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Healthcare/Healthcare Americas	Moira Flumerfelt Moira.Flumerfelt@nkdc.com	C 817 744-6677	
Boston	Linda Sarrant Linda.Sarrant@nkdc.com	0 817 390-0804	C 817 349-6267
Charlotte	Mike Green Mike.Green@nkdc.com		C 970 349-0118
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Dallas, Residential Sales	Lee Ann Stevens LeeAnn.Stevens@nkdc.com	0 814 272-0801	C 770 530-0872
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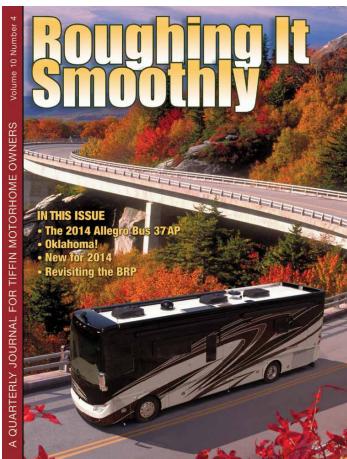
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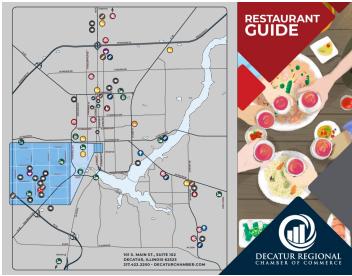


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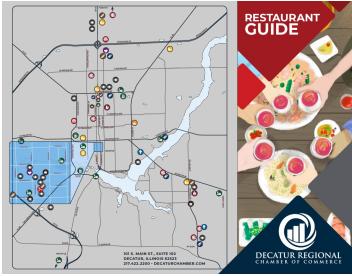
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