

canyease 80502001SL

Canyease Front Windshield Wiper Motor and Linkage Assembly

Model: 80502001SL

1. PRODUCT OVERVIEW

This manual provides instructions for the installation, operation, and maintenance of your Canyease Front Windshield Wiper Motor and Linkage Assembly. This complete system is designed to restore effective windshield cleaning, ensuring clear visibility in various weather conditions.



Image: The complete wiper system package, including the wiper motor, wiper linkage, and wiper blades, shown installed on a vehicle's windshield.

2. COMPATIBILITY

This wiper motor and linkage assembly is compatible with the following vehicle models:

- Jeep Wrangler 2007-2011 (3.8L V6)
- Jeep Wrangler 2012-2017 (3.6L V6)
- Jeep Wrangler JK 2018 (3.6L V6)

Reference OE Numbers: 55077859AB, 55077859AD, 55077859AC, 602-105AS, 602105AS. Please verify that these numbers match your original part before installation.

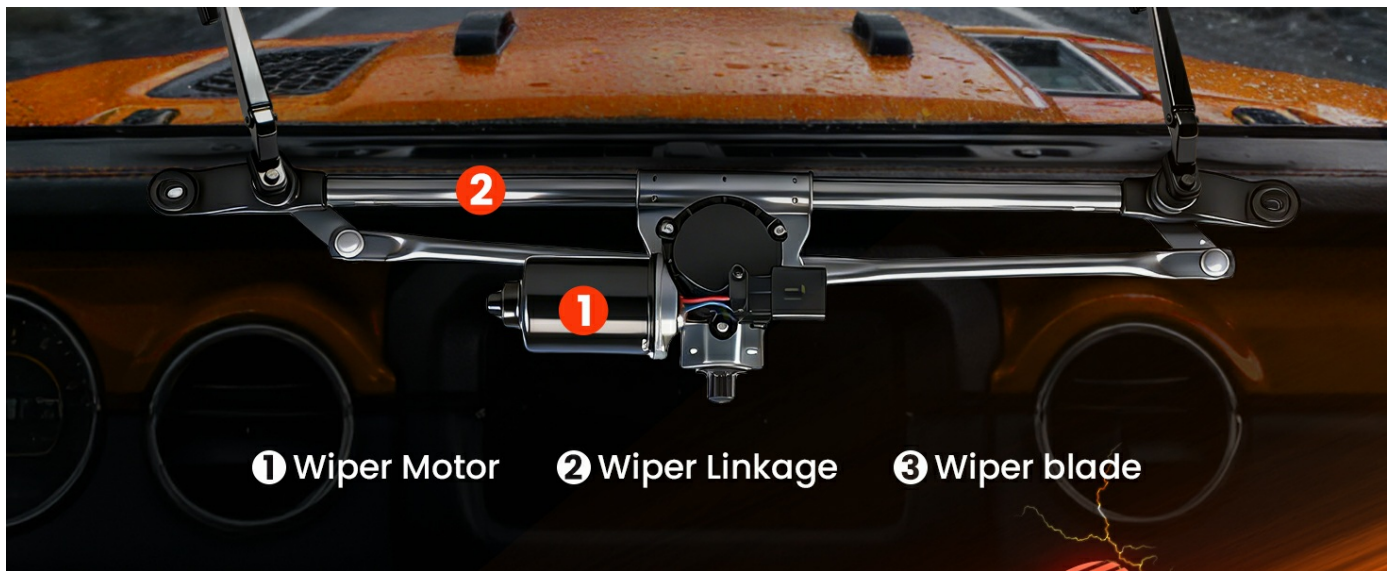


Image: Detailed view of the wiper motor's electrical connector and a list of compatible OE reference numbers, along with vehicle fitment years.

3. PACKAGE CONTENTS

Upon opening the package, ensure all components are present and undamaged:

- 1 x Wiper Motor
- 1 x Wiper Linkage
- 2 x Wiper Blades

4. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Follow these guidelines:

- Ensure the vehicle's ignition is off and the battery is disconnected before beginning any work.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- If you are unsure about any step, consult a qualified automotive technician.
- Keep all tools and small parts away from children.

5. INSTALLATION INSTRUCTIONS

This assembly is designed for OEM fit and DIY-friendly installation. No specialized tools are typically required. The following steps provide a general guide for replacement:

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and turn off the ignition. Disconnect the negative terminal of the vehicle's battery.
2. **Remove Wiper Arms:** Carefully lift the wiper arms away from the windshield. Locate and remove the retaining nuts or caps at the base of each wiper arm. Gently pull the wiper arms off their splined shafts.
3. **Remove Cowl Panel:** Depending on your vehicle model, you may need to remove the plastic cowl panel located at the base of the windshield to access the wiper motor and linkage. This usually involves removing clips or screws.
4. **Disconnect Electrical Connector:** Locate the electrical connector for the wiper motor. Press the release tab and carefully disconnect the connector.
5. **Remove Old Assembly:** Unbolt the mounting bolts or nuts securing the old wiper motor and linkage assembly to the

vehicle's frame. Carefully remove the entire assembly from the vehicle.

6. **Install New Assembly:** Position the new CanyEase wiper motor and linkage assembly into place. Secure it with the original mounting bolts or nuts, ensuring they are tightened to the manufacturer's specifications.
7. **Connect Electrical:** Reconnect the electrical connector to the new wiper motor, ensuring it clicks securely into place.
8. **Reinstall Cowl Panel:** Reinstall the cowl panel, securing it with all clips and screws.
9. **Reinstall Wiper Arms:** Place the new wiper blades onto the wiper arms (if not already assembled). Position the wiper arms onto their respective splined shafts, ensuring they are in the correct park position. Secure them with the retaining nuts or caps.
10. **Test Functionality:** Reconnect the vehicle's battery. Turn on the ignition and test the wiper system at all speeds to ensure proper operation and full range of motion. Check for any unusual noises or erratic movement.

Durable All-Steel Linkage



- High Torque
- Smooth Operation
- Precision Engineering
- Durable
- Quiet Operation
- Long Lifespan

Image: The Canyese wiper motor and linkage assembly, illustrating its integrated design for straightforward installation.

6. OPERATION

The Canyese Front Windshield Wiper Motor and Linkage Assembly controls the movement of your vehicle's windshield wipers. Once installed, the system operates in conjunction with your vehicle's existing wiper controls (stalk or dashboard buttons) to provide various wiping speeds and intermittent functions. The motor is designed to provide stable and reliable power for effective windshield cleaning, ensuring clear visibility.

7. MAINTENANCE

To ensure the longevity and optimal performance of your wiper system:

- Regularly inspect wiper blades for wear and tear. Replace them at least once a year, or sooner if streaking or chattering occurs.
- Keep your windshield clean to reduce strain on the wiper motor and blades.
- Avoid operating wipers on a dry windshield. Always use windshield washer fluid.
- In icy conditions, ensure wiper blades are not frozen to the windshield before operation.



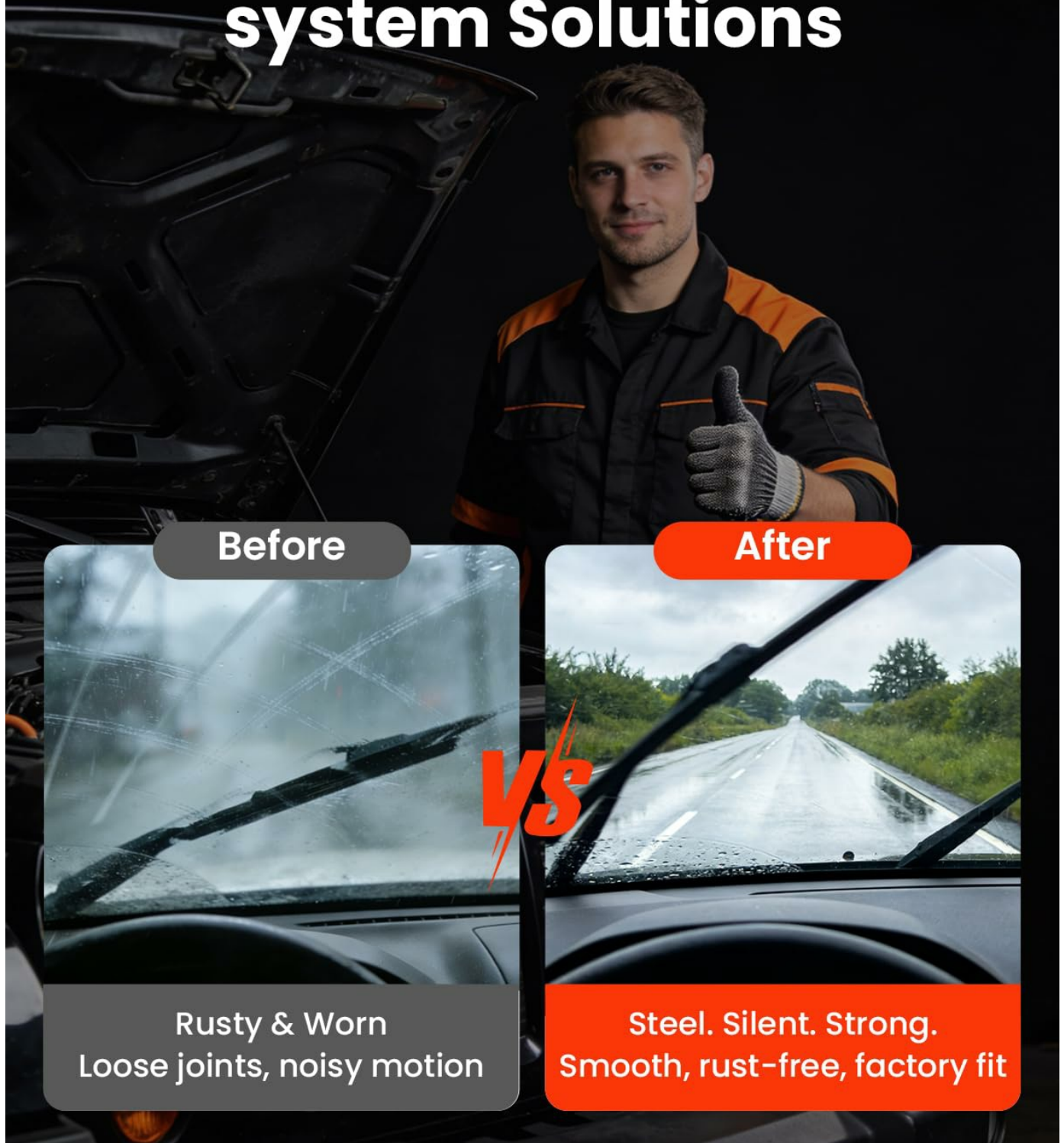
Image: A hand inspecting a wiper arm, highlighting common issues that indicate the need for wiper linkage replacement.

8. TROUBLESHOOTING

If you experience issues with your windshield wiper system, consider the following common problems and solutions:

Symptom	Possible Cause	Solution
Ineffective Wiping: Wiper blades are not moving properly or cleaning the windshield effectively.	Worn wiper blades, loose wiper arms, or a failing wiper motor/linkage.	Inspect and replace wiper blades. Check wiper arm nuts for tightness. If the issue persists, inspect the motor and linkage for proper function.
Noisy Operation: Wiper motor makes unusual noises (grinding, clicking).	Worn motor gears, dry linkage pivots, or a failing motor.	Lubricate linkage pivots if accessible. If noise originates from the motor, replacement may be necessary.
Loose or Wobbly Linkage: Wiper arms move erratically or have excessive play.	Worn linkage bushings or connections.	Inspect all pivot points and connections on the linkage. If worn, the linkage assembly may need replacement.
Misaligned Wipers: Wiper arms do not park correctly or collide with each other.	Incorrect installation of wiper arms or a faulty park mechanism in the motor.	Ensure wiper arms are installed in the correct park position. If the issue persists, the motor's park mechanism may be faulty.

Premium Wiper system Solutions



Before

After

VS

Rusty & Worn
Loose joints, noisy motion

Steel. Silent. Strong.
Smooth, rust-free, factory fit

Image: A visual comparison showing a windshield with rusty and worn wipers versus a clear windshield after replacement, demonstrating improved visibility.

9. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	canyease
Model Name	Jeep Wrangler wiper assembly
Part Number	80502001SL
Speed	100 rpm
Voltage	12 volts
Horsepower	50 watts
IP Rating	IP54 (Waterproof)
Materials	High-quality stamped steel components, high copper wire density, heat-resistant materials, wear-resistant injection-molded nylon gears.

REFERENCE NUMBER:
55077859AB、55077859AD、55077859AC
602-105AS、602105AS

Placement on Vehicle	Working Voltage	Terminal Count
Front	12V	5

2007-2018

Jeep Wrangler

2018-2018

Wrangler JK

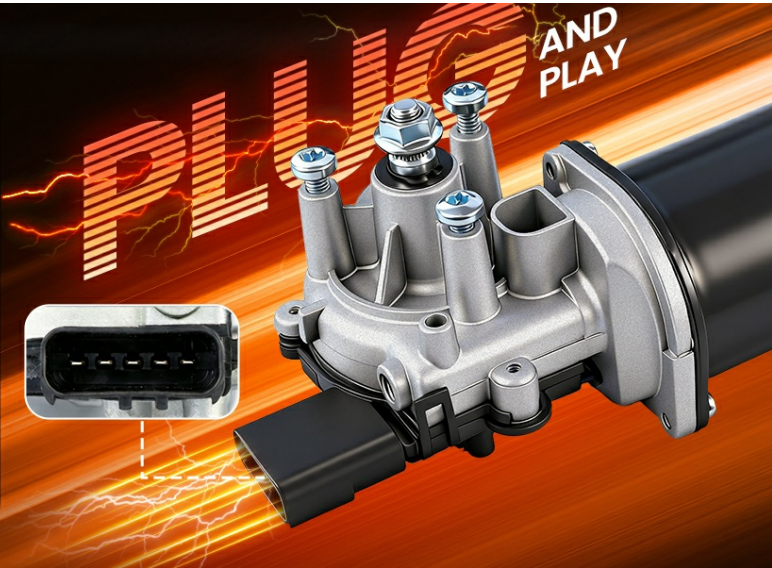


Image: An illustration of the wiper motor's internal components, highlighting high copper wire density and thermal protection for strong performance.

IP54 Waterproof
Multi-layer axial sealing,IP54 protection level certification

Lowers energy consumption

Intelligent short-circuit protection

safety upgrade



Image: The wiper motor assembly shown with water splashing, illustrating its IP54 waterproof protection level.

10. WARRANTY

This Canyease Front Windshield Wiper Motor and Linkage Assembly comes with a **1-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please contact Canyease customer service through the platform where you purchased this product or visit the official Canyease store page.

Canyease Store: <https://www.amazon.com/stores/canyease/page/628E6D1A-7393-40B6-AAD8-D5705C27E1E7>

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