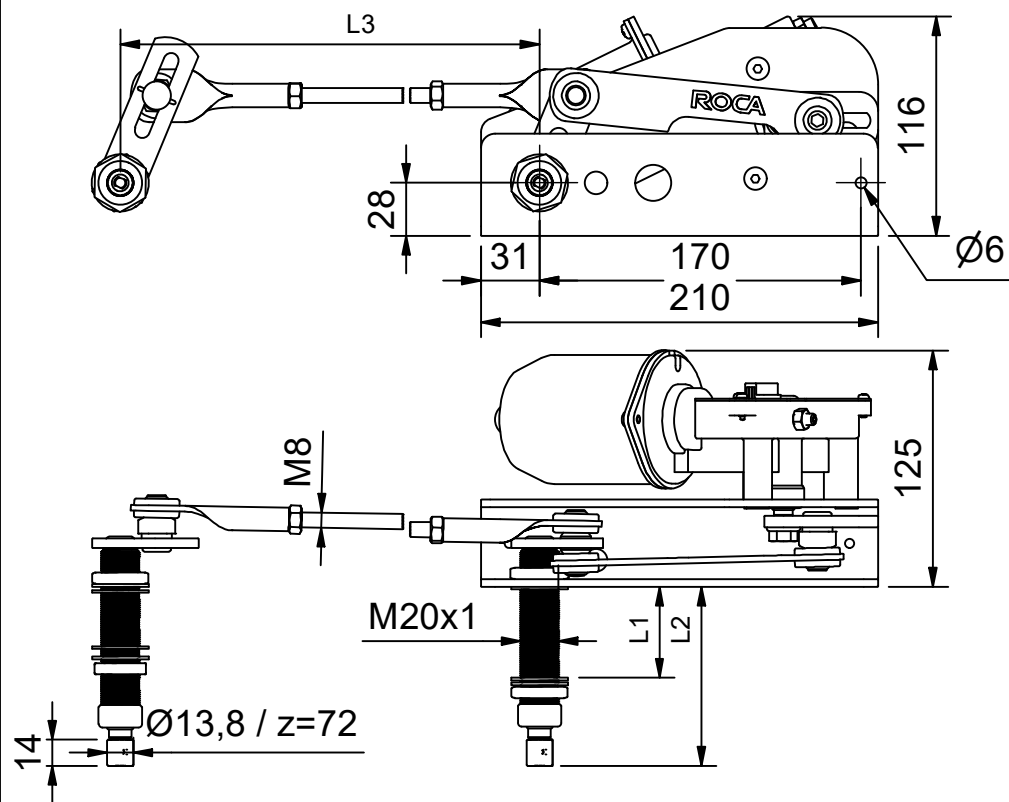




#### Accessories



#### Variations:

| Max length: |    | Voltage input: |        |
|-------------|----|----------------|--------|
| L1          | L2 | 12 V           | 24 V   |
| 28          | 70 | 532911         | 532912 |
| 53          | 95 | 532921         | 532922 |

| Current diagram: | 12 V   | 24 V   |
|------------------|--------|--------|
| No load          | < 3 A  | < 2 A  |
| Normal running   | < 7 A  | < 4 A  |
| Stall            | < 36 A | < 18 A |
| Fuse             | 35 A   | 20 A   |

#### Limited warranty

- ROCA warrants the wiper motors to be free from defective material and workmanship for a period of 3 years from the date of purchase.
- This warranty does not apply to failure or damage caused by improper installation, misuse, lightning strike or damage from a power surge.
- If failure occurs during this period, return it to your dealer for repair or replacement.

250611/KH

## WIPER MOTOR | W38L

### Installation Instructions

Before installation please read these instructions.



#### Key Features

- For overlapping sweeps

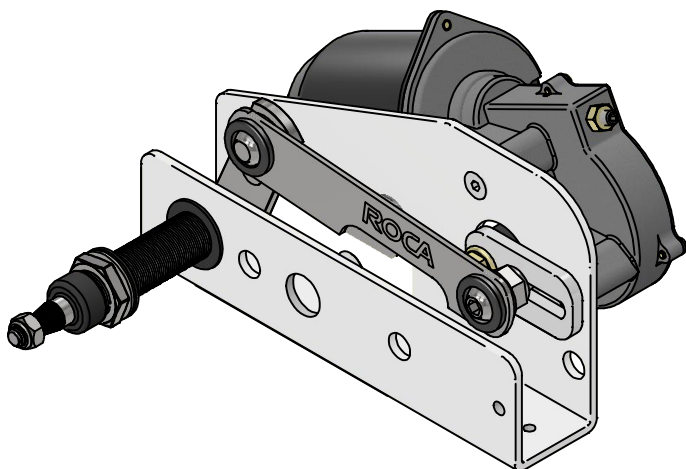


- Two-speed operation with self-parking
- Heavy-duty motor (38 Nm torque)
- Stainless steel wiper shaft
- Adjustable sweep angle: 45° to 110°
- Dynamic parking circuit
- Integrated thermal overload protection
- Insulated ground
- EMC protection
- Supports combinations of arms up to 610mm and blade up to 560 mm
- Suitable for large windshield applications



www.rocaindustry.com

## **Safety Information**



### **General Warnings**

The W38 wiper motor contains moving mechanical components with exposed linkages. Always ensure the wiper system is installed behind a panel or within an enclosure to reduce the risk of injury.

Do not operate the wiper system with any part of the linkage or wiper mechanism accessible to personnel during normal use.

### **Electrical Safety**

Only qualified personnel should install or service the wiper motor.

Ensure the correct voltage (12 VDC or 24 VDC) is used according to product labeling.

Electrical terminals must be properly insulated and protected during installation.

### **Lock-Out / Tag-Out Procedure (Maintenance Safety)**

Before performing any installation, adjustment, or maintenance on the W38 wiper system:

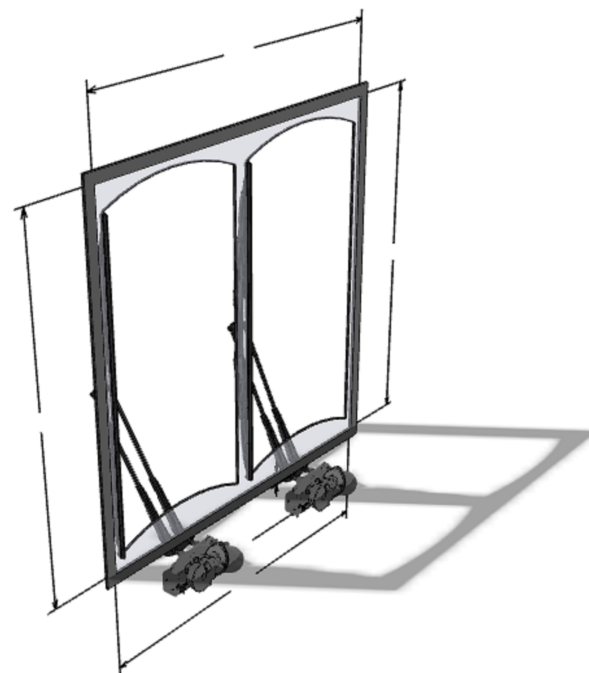
1. Turn off the main battery switch or disconnect the power supply to the wiper motor.
2. Apply a lock-out device or clearly tag the power source to prevent accidental re-energization.
3. Wait 30 seconds to ensure the system fully discharges any residual voltage.
4. Confirm that no mechanical movement occurs when the control switch is toggled.
5. Perform required service or adjustments.
6. Remove tools and ensure all components are securely reassembled before reapplying power.
7. Remove lock/tag and restore power supply.

## **Installation**

The W38 Windscreen Wiper Motor must be installed by qualified personnel in accordance with local safety standards and applicable regulations. The motor is intended for permanent mounting in vehicles or vessels, inside a compartment, panel, or protective enclosure.

Steps:

1. Mount the motor on a flat, rigid surface using the specified mounting hardware.
2. Ensure the wiper linkage mechanism is properly aligned with the output shaft.
3. Adjust the sweep angle between 45° and 110° as required before applying power.
4. Connect power supply wires to the terminals according to the wiring diagram.
  - 12 VDC models: Fuse with 35 A
  - 24 VDC models: Fuse with 20 A
5. Secure all electrical connections using insulated terminals.
6. Confirm that the motor and linkage move freely without obstruction before restoring power.



**Warning:** Keep battery main switch turned off during any operation on the wiper motor.

### Installation of the system.

Make sure the wiper system is mounted aligned to the center line.  
 Max angular difference for drive shafts is  $\pm 5^\circ$ .  
 Cut the M8 threaded shaft to desired length L4.  
 If L4 is longer than 450mm, use accessorie tube 532975 to achieve correct measure.  
 After mounting try to adjust the A3 angle to same as for motor.

### Changing the parking position.

Before the parking position is changed, the wiper motor should be in parked position (Default is set to left).

- Loosen the nut (1).
- Remove the bracket (2) and rotate it 180°.
- Assemble the bracket and tighten the nut firmly (25Nm).

### Change of wiped angle A1.

The wiped angle can be set at any point between  $45^\circ$  and  $110^\circ$ .  
 (Default is set to  $45^\circ$ ).

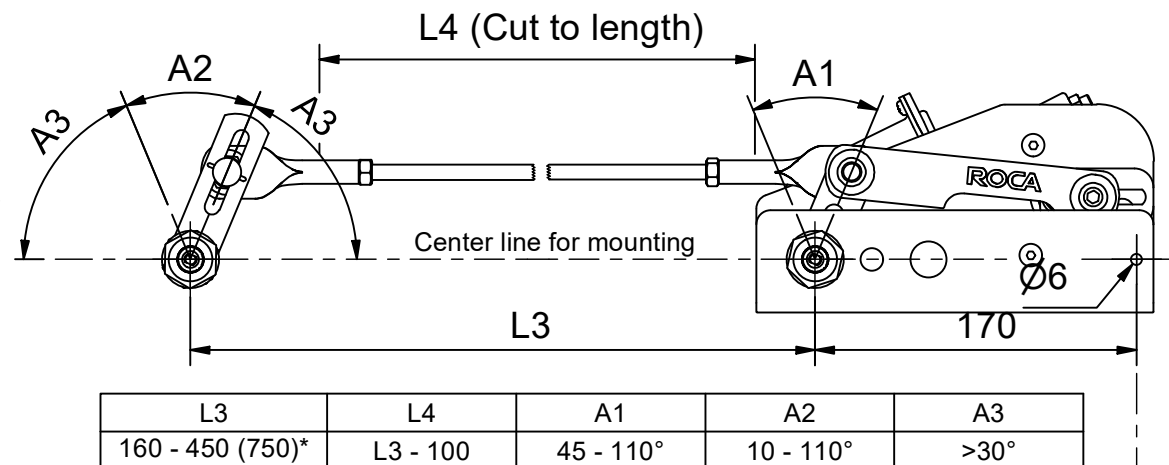
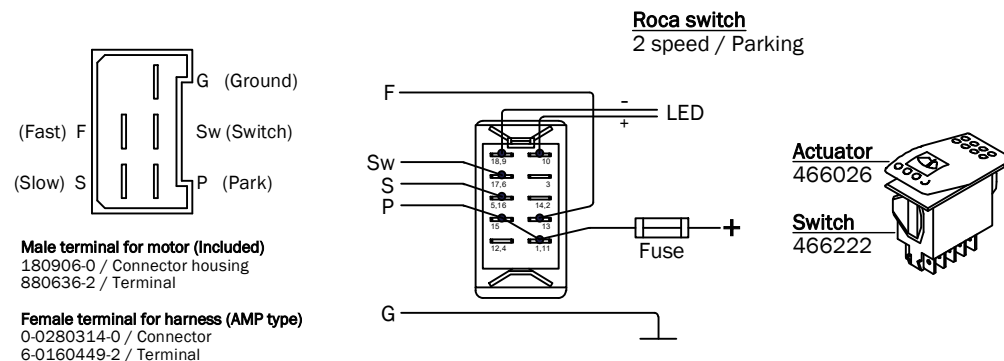
- Loosen the ball/nut (3).
- (Note: the ball/nut is left threaded to prevent it from coming loose when running).
- Move the ball/nut to desired angle position and tighten it firmly (25Nm).

### Changed of wiped angle A2

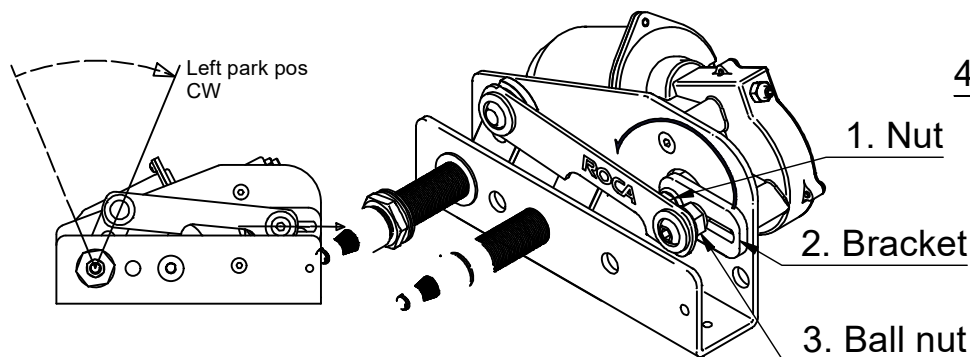
The wiped angle will follow A1 but can be adjusted  $\pm 35^\circ$ .  
 Consider that the sweep angle shouldn't exceed  $110^\circ$  and A3 not bellow  $30^\circ$ .

- Loosen the ball/nut (4).
- (Note: the ball/nut is left threaded to prevent it from coming loose when running).
- Move the ball/nut to desired angle position and tighten it firmly (25Nm).

### Wiring diagram / For other alternatives, see W38 manual



\*) With extension part 532975



4. Ball nut

