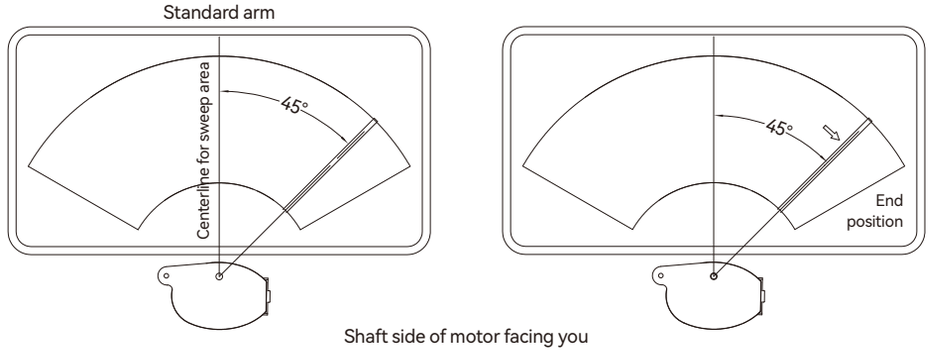
CARE AND MAINTENANCE

Although SEAFLO wiper motors are made of UV- and chemical-resistant materials, periodic cleaning of the housing with mild soap and water is recommended to remove corrosive contaminants.

APPLICATION DIAGRAM



SEAFLO®

5Nm Wiper Kit - 01/02 Series

Instructions

Please read all instructions carefully before beginning installation to ensure proper setup and safe operation.



A complete wiper system designed for small vessels, including motor, telescopic arm, and efficient blade. Suitable for mounting on various exterior windshield frames, with adjustable sweep angles and arm lengths to flexibly fit different glass sizes. Made with high-quality components, easy to install, and built to deliver reliable, efficient wiping performance in diverse marine environments.

FEATURES & BENEFITS

- 5 Nm torque wiper motor with self-parking
- Adjustable sweep angle: 90° or 110°
- Self-parking position adjustable to left or right
- Stainless steel drive shaft and durable metal housing
- 316 stainless steel wiper arm with adjustable length
- Rust-resistant wiper blade with natural rubber edge

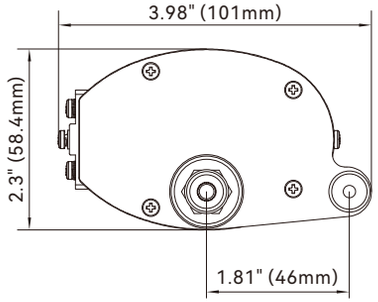
TECHNICAL SPECIFICATIONS

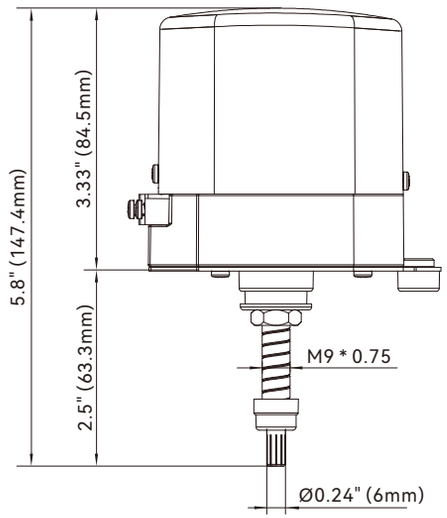
Model	Voltage	Max Current	Sweep Angles	Sweep Speed	Shaft Length	Wiper Arm Length	Wiper Blade Length	Fuse
SFWK1-0564-01	12V	1.2A	90°, 110°	40 sweeps /min	64mm / 2.5″	9¼"-12⅜" 235-315mm (SFWA1-315-05)	11" 280mm (SFWB1-280-03)	3A
SFWK2-0564-01	24V	0.6A						2A
SFWK1-0564-02	12V	1.2A				12"-15" 305-380mm (SFWA1-380-05)	14" 355mm (SFWB1-355-03)	3A
SFWK2-0564-02	24V	0.6A						2A

01 Series Kit Including: SFWM1-0564-01(12V Motor)/SFWM2-0564-01(24V Motor) +SFWA1-315-05(Arm)+SFWB1-280-03(Blade)

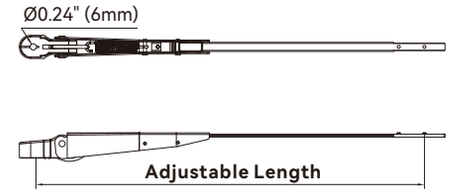
02 Series Kit Including: SFWM1-0564-01(12V Motor)/SFWM2-0564-01(24V Motor) +SFWA1-380-05(Arm)+SFWB1-355-03(Blade)

DIMENSIONAL DRAWING





Wiper Arm 05 Series - Standard



Adjustable Length:

Model: SFWA1-315-05
9¼"-12⅜" / 235-315mm

Model: SFWA1-380-05
12"-15" / 305-380mm

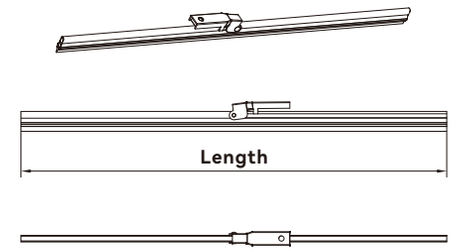
Type:

Insert-type standard model

Material:

316 Stainless Steel

Wiper Blade 03 Series



Length:

Model: SFWB1-280-03
11" / 280mm

Model: SFWB1-355-03
14" / 335mm

Connection Type:

Insert-type

Material:

Stainless Steel / Rubber

TOOLS REQUIRED FOR INSTALLATION

User-supplied electrical components:

- On/Off switch (minimum 5 amp rating)
- 18-gauge wire

Basic tools:

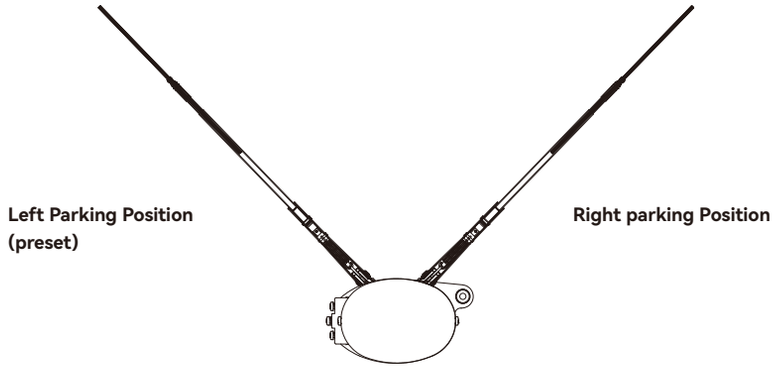
- Electric drill
- Drill bits set:
  3/8" (9.5mm) drill bit (for motor shaft hole)
  3/16" (5mm) drill bit (for through-hole mounting)
  1/8" (3.3mm)drill bit (for self-tapping screw mounting)
- 9/16" (14mm) open-end box wrench
- Phillips head screwdriver
- Safety glasses
- Measuring tape

Optional tools:

- Marine-grade caulk or silicone

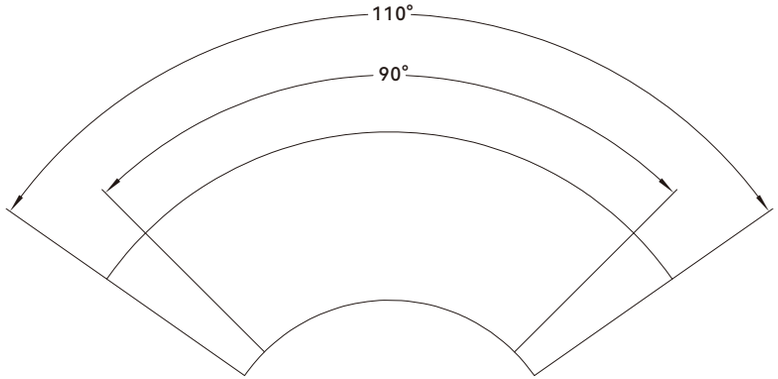
PARKING POSITION ADJUSTMENT OPTIONS

Factory preset to left parking position with a sweep angle of 90°



Shaft side of motor facing away from you

SWEEP ADJUSTMENT OPTIONS



INSTALLATION AND WIRING INSTRUCTIONS

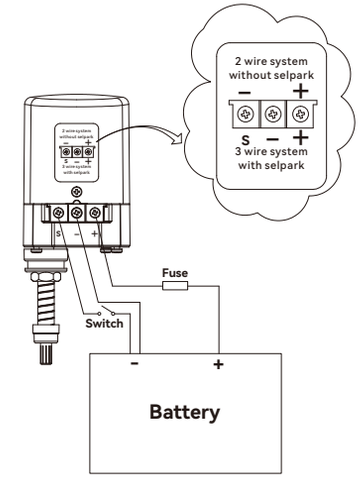
Note: Please read all instructions before beginning.

Installation Precautions

1. The wiper motor should be mounted on a flat surface. Failure to do so may result in the motor housing cracking during installation.
2. For optimal performance, ensure the wiper shaft is positioned at a 90° angle to the windshield.
3. The wiper blade and arm should be installed with a minimum clearance of 1 inch (25.4mm) from the windshield frame. Briefly activate the motor to ensure that the wiper blade does not strike the windshield frame at either end of its wiping arc. If the wiper blade strikes at both ends, it will be necessary to shorten the arm and/or blade length.

Installation and Wiring

1. **Determine the motor mounting position:** Choose a flat area with adequate space and clearance for installing the wiper motor.
2. **Mark the position for the motor shaft and drill the hole:** Use a 3/8" (9.5mm) drill bit to drill a hole for the motor shaft. If the hole is not large enough, you may need to slightly enlarge it with a file to ensure proper installation.
3. **Install the motor shaft:** Remove the attaching nut and washers from the motor shaft. Pass the shaft through the hole and mark the location for the mounting bracket screw. Use a 3/16" (5mm) drill bit for through-hole mounting or a 1/8" (3.3mm) drill bit for self-tapping screw installation. A #8 size screw is recommended.
4. **Wiring:** Connect the wires to the wiper motor as shown in the wiring diagram below. To prevent corrosion, the wiring cavity should be filled with marine-grade silicone or caulk.

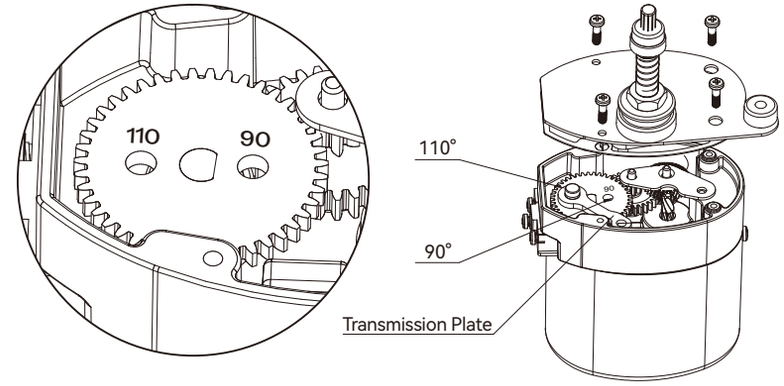


5. **Install the wiper motor:** First, place the rubber washer on the motor shaft, followed by the stainless steel washer, and then the brass shaft nut. The nut should be tightened to 30 to 45 in-lbs.
6. **Install the mounting bracket screws:** Install the mounting bracket screws and tighten them to no more than 15 in-lbs. Do not overtighten.
7. **Install the wiper blade and arm:** Attach the wiper blade to the arm, then install the arm onto the motor shaft.

Changing the Wiping Angle

Procedure:

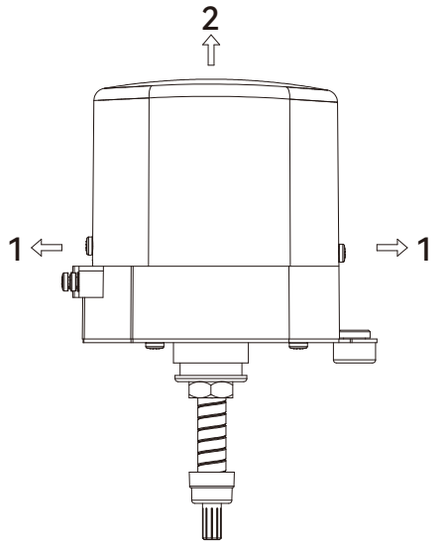
1. Remove the four screws located at the bottom of the motor.
2. Move the transmission plate to the hole corresponding to the desired angle (90° or 110°).
3. Reinstall the screws and tighten them securely.

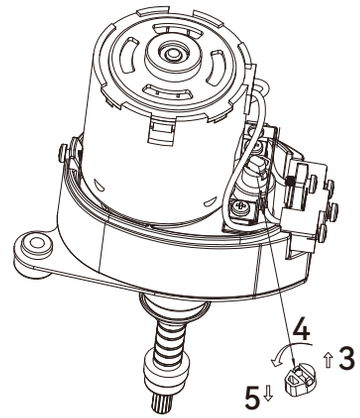


Changing Parking Position

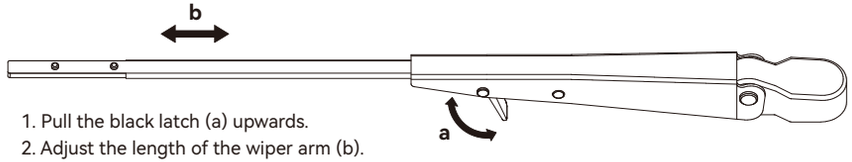
Procedure:

1. Remove the screws from both sides of the motor.
2. Remove the motor cover.
3. Detach the angle plate assembly.
4. Rotate the angle plate assembly by 180 degrees.
5. Reinstall the angle plate assembly.
6. Reattach the motor cover and tighten the screws on both sides.



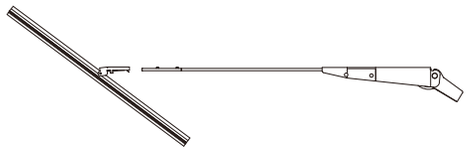


Wiper Arm Length Adjustment

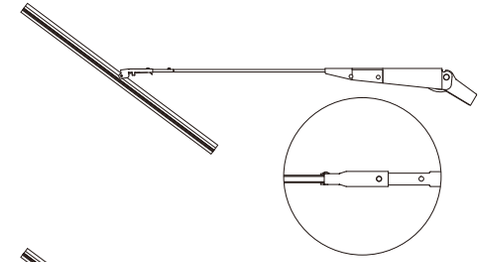


1. Pull the black latch (a) upwards.
2. Adjust the length of the wiper arm (b).
3. After adjustment, press the black latch (a) back into place to ensure it is securely fixed.

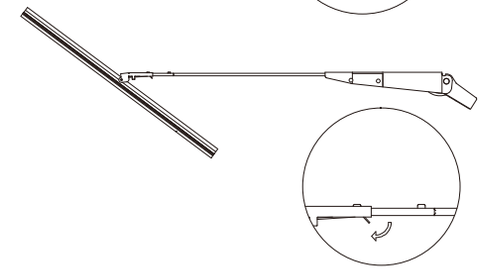
Wiper Arm & Blade Installation/Removal



1. Align the wiper arm connector rod with the connection socket of the wiper blade, push the spring clip at the lower end of the socket, and insert the connector rod smoothly into the socket.

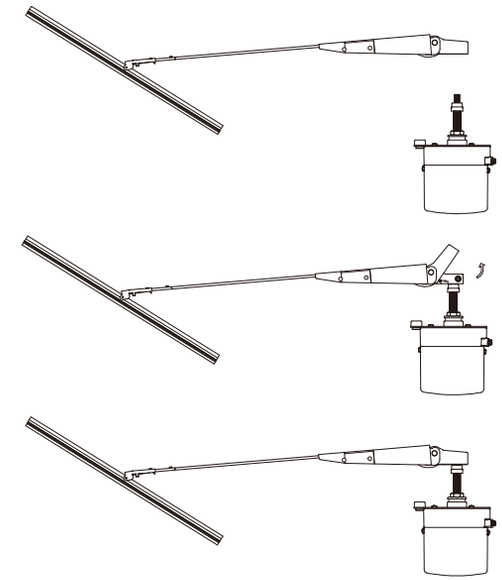


2. The protrusion on the wiper arm connector rod should completely fit into the hole on the wiper blade connection socket, completing the installation.



3. Gently press the wiper arm connector rod down in the direction of the arrow to detach the protrusion from the hole on the connection socket, then pull the connector rod backward to complete the disassembly.

Wiper Arm & Motor Installation/Removal



1. Align the shaft hole of the wiper arm with the output shaft of the wiper motor and insert it.
2. Open the protective cover in the direction of the arrow to expose the screw head.
3. Tighten the screw to secure the wiper arm, then return the protective cover to its original position, completing the installation.
4. During disassembly, loosen the screw to remove the wiper arm.