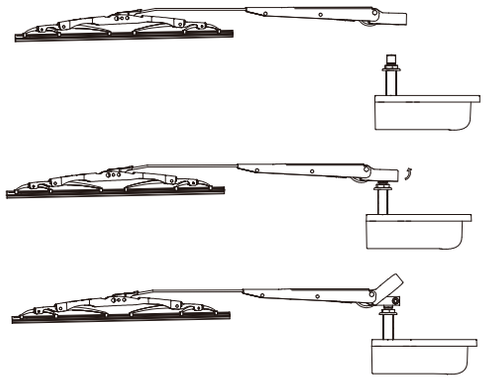


2. Loosen the clasp between the wiper blade connection socket and the wiper arm, push the wiper arm forward, bypass the axis and connection socket at the connection point, then pull it backward to remove, completing the removal.

Wiper Arm & Motor Installation/Removal



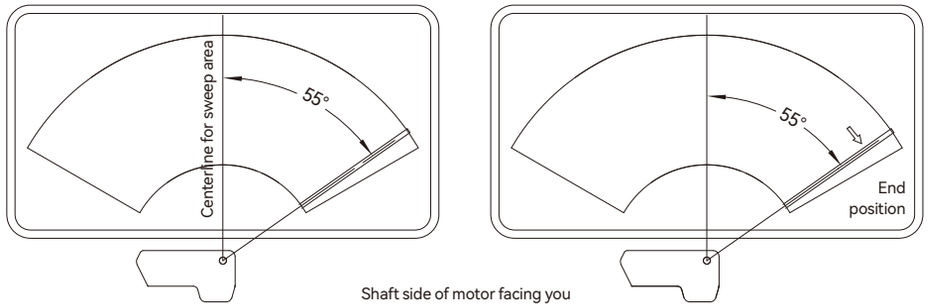
1. Align the shaft hole of the wiper arm with the output shaft of the wiper motor and insert it.
2. Open the protective cover in the direction of the arrow to expose the screw head.
3. Tighten the screw to secure the wiper arm, then return the protective cover to its original position, completing the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

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.

INSTALLATION DIAGRAM

Standard arm



SEAFLO®

6Nm Wiper Kit - 01 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

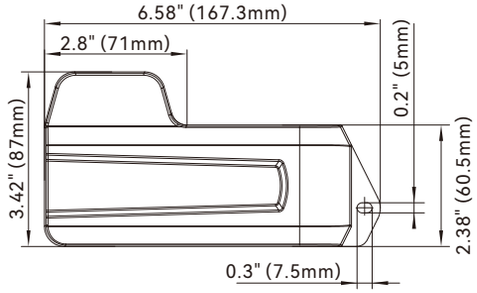
- 6 Nm torque wiper motor with self-parking
- Adjustable sweep angles: 50°, 65°, 80°, 110°
- Self-parking position adjustable to left or right
- Stainless steel drive shaft with UV- and heat-resistant thermoplastic housing
- 316 stainless steel wiper arm with adjustable length (12" to 17")
- 14" wiper blade with multiple supports and curved profile

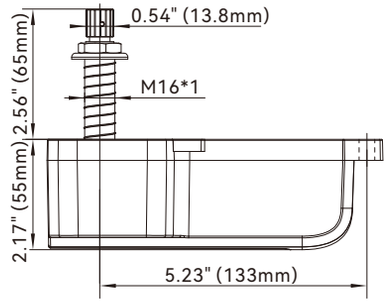
TECHNICAL SPECIFICATIONS

Model	Voltage	Max Current	Sweep Angles	Sweep Speed	Shaft Length	Wiper Arm Length	Wiper Blade Length	Fuse
SFWK1-0664-01	12V	2.5A	50°, 65°, 80°, 110°	45 sweeps /min	64mm / 2.5″	12"-17" 310-440mm (SFWA1-440-01)	14" 355mm (SFWB2-355-01)	5A
SFWK2-0664-01	24V	1.2A						3A

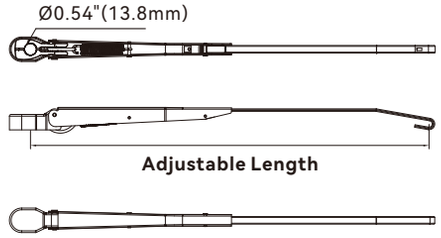
01 Series Kit Including: SFWM1-0664-01(12V Motor)/SFWM2-0664-01(24V Motor) +SFWA1-440-01(Arm)+SFWB2-355-01(Blade)

DIMENSIONAL DRAWING



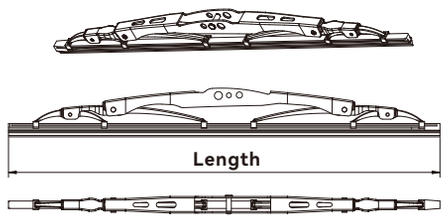


Wiper Arm 01 Series - Standard



Model: SFWA1-440-01
Adjustable Length:
12"–17" / 310–440mm
Type:
J-hook standard model
Material:
316 Stainless Steel

Wiper Blade 01 Series



Model: SFWB2-355-01
Length:
14" / 355mm
Connection Type:
Replaceable connector type
Material:
Iron / Rubber

TOOLS REQUIRED FOR INSTALLATION

User-supplied electrical components:

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

Basic tools:

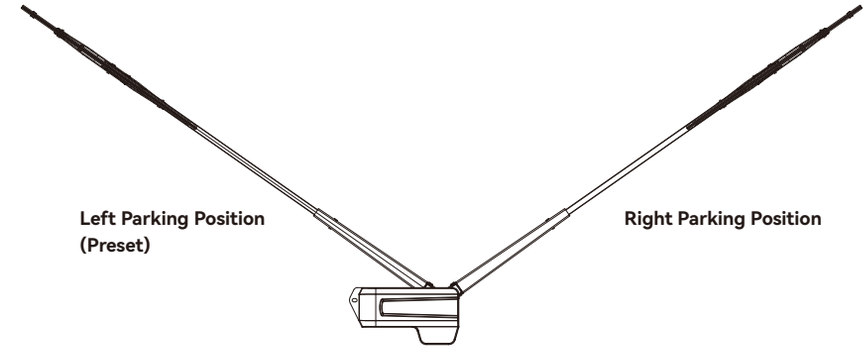
- Electric drill
- Drill bits set:
  5/8" (16mm) drill bit (for motor shaft hole)
  7/32" (5.5mm) drill bit (for through-hole mounting)
  5/32" (4mm)drill bit (for self-tapping screw mounting)
- 1/2" round file
- 3/4" (19mm) open-end box wrench
- Phillips head screwdriver
- Safety glasses
- Measuring tape

Optional tools:

- Marine-grade caulk or silicone
- 5 amp (minimum) diode (for two motors with one switch configuration)

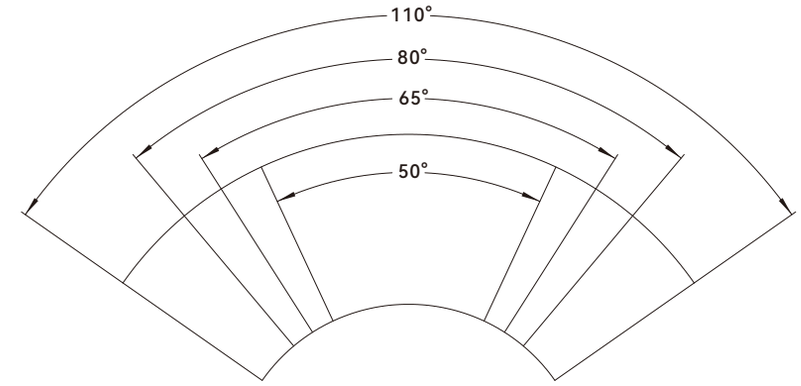
PARKING POSITION ADJUSTMENT OPTIONS

Factory preset to left parking position with a sweep angle of 80°



Shaft side of motor facing away from you

SWEEP ADJUSTMENT OPTIONS

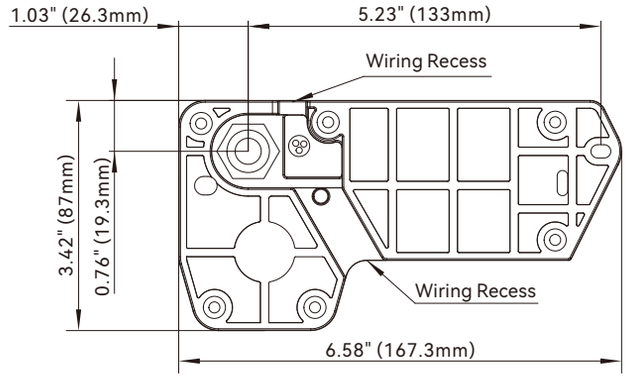


INSTALLATION AND WIRING INSTRUCTIONS

Note: Please read all instructions before beginning.

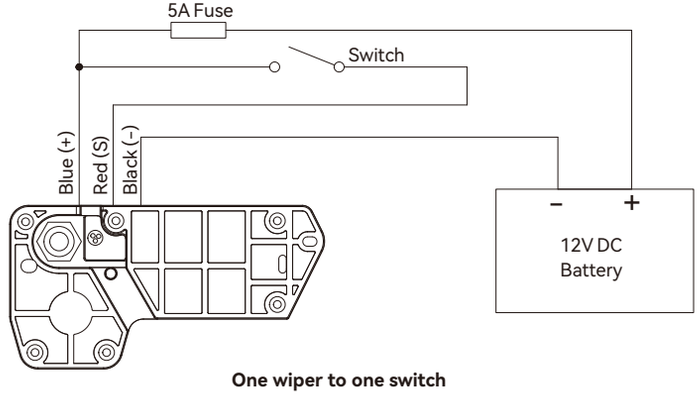
Installation Precautions

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.

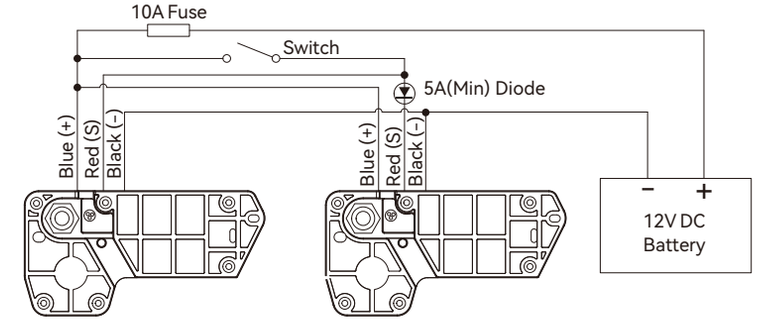


Installation and Wiring

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 5/8" (16mm) 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 7/32" (5.5mm) drill bit for through-hole mounting or a 5/32" (4mm) drill bit for self-tapping screw installation. A #10 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.



One wiper to one switch



Two wipers to one switch

Changing the Wiping Angle

Procedure:

1. Turn the wiper switch on and then off to allow the wiper motor to return to its parked position.
   Warning: The wiper should automatically return to the parked position (either left or right) after being turned off. If it does not park, the wiring may be incorrect. Please check the wiring diagram.
2. Remove the wiper arm and blade, then remove the wiper motor from its mounting position.
3. Use a screwdriver to remove the six cover mounting screws securing the wiper motor cover.
4. Wiping angle choices are: 50°, 65°, 80°, and 110°. Remove the circlip from the transmission plate. Use a screwdriver to remove the position screw, then remove the two sweep angle screws.

   Note:
   Make sure the shaft plate remains in the position shown in the diagram. Do not allow the wiper shaft plate to rotate 180° out of position. If the wiper shaft plate rotates out of position, the wiper motor may fail.
5. Rotate the sweep angle plate (see the parking diagrams):
   - For left-side parking, rotate the desired angle hole to the "6 o'clock" position.
   - For right-side parking, rotate the desired angle hole to the "12 o'clock" position.
     Reinstall the two sweep angle screws and secure the position screw into the correct angle hole. Tighten all screws to prevent loosening.
   - Reinstall the circlip.
6. Reinstall the wiper motor cover:
   - Ensure the gasket is properly seated in the channel of the motor base and the O-rings are still on the screws.
   - Tighten the screws evenly and do not overtighten, to maintain a watertight seal.
   - The motor cover should sit flush with the base.
7. Remount the wiper motor. Before reattaching the wiper arm, turn the motor on and observe its operation. Confirm that the wiper moves through the correct sweep angle and parks in the correct position. Failure to do so could cause damage to the wiper motor. After everything checks out properly, reinstall the wiper arm and blade.

Changing Parking Position

Procedure:

1. Remove the wiper motor cover as described in "Changing The Wiping Angle."
2. Note the current wiping angle inscribed on the sweep angle plate. Remove the circlip from the transmission plate, followed by the position screw and the two sweep angle screws.
3. Rotate the sweep angle plate 180°.

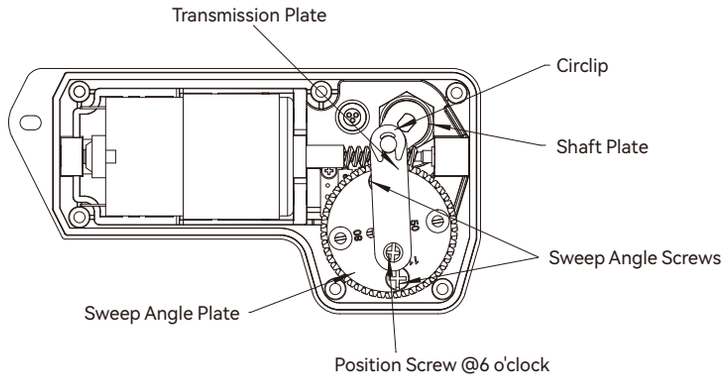
   Note:

   Depending on the original parking position (left or right), the position screw may originally be in the "6 o'clock" or "12 o'clock" position. To return the transmission plate to the original hole, move it to the opposite end of its travel (see the parking diagrams below).
4. Reinstall the two sweep angle screws. Reinstall the position screw into the same sweep angle hole from which it was removed. Reinstall the circlip. This completes the adjustments for left or right parking.

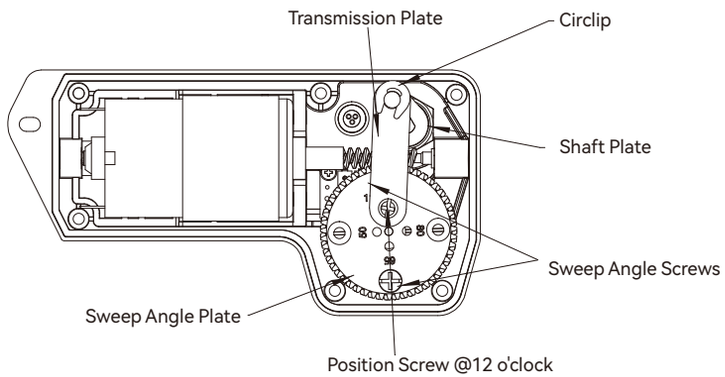
   Note:

   If the position screw is installed in any other angle hole, the parking position will be incorrect.
   If you wish to adjust the wiping angle, refer to the "Changing the Wiping Angle" section.
   Reinstall the wiper motor cover as described in the "Changing the Wiping Angle" section.

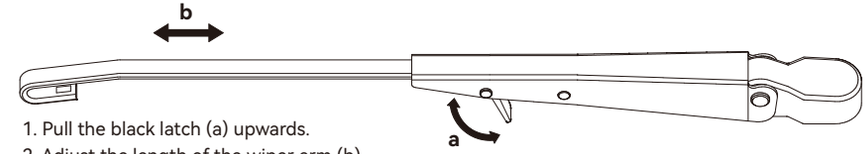
110° Sweep angle in LEFT park position



110° Sweep angle in RIGHT park position



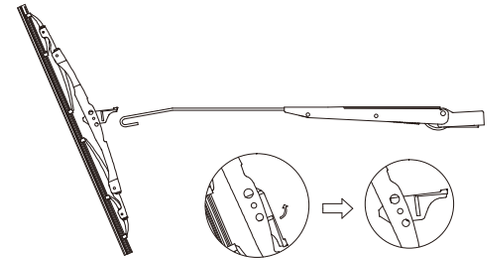
Wiper Arm Length Adjustment



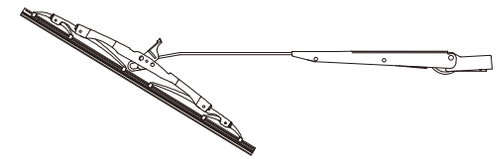
1. Pull the black latch (a) upwards.
2. Adjust the length of the wiper arm (b).
3. After adjustment, press the black latch (a) back into place to ensure it is securely fixed.

Wiper Arm & Blade Installation/Removal

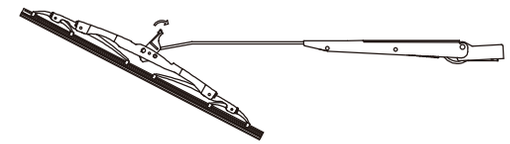
Installation



1. Rotate the connection socket on the wiper blade in the direction shown in the diagram to the specified angle, then insert the wiper arm connector rod into the connection socket.



2. Insert the J-shaped wiper arm into the hole of the wiper blade connection kit, hook it onto the axis of the wiper blade connection, and pull it backward to ensure the axis and hook are tightly engaged and secured.

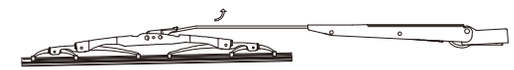


3. Rotate the connection socket of the wiper blade in the direction of the arrow until the clasp snaps into the wiper arm connector rod.



4. Adjust the angle of the connection between the wiper arm and the wiper blade to facilitate subsequent installation, completing the installation.

Removal



1. Adjust the connection angle between the wiper arm and the wiper blade for disassembly. Forcefully unclip the wiper blade connection socket upward.