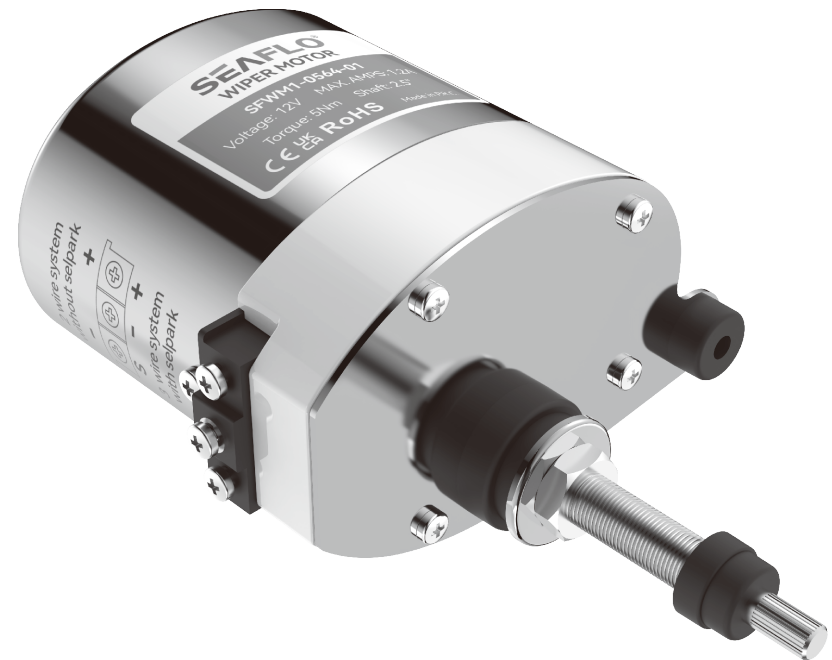


SEAFLO[®]

Wiper Motor 5Nm 01 Series Instructions



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

FEATURES & BENEFITS

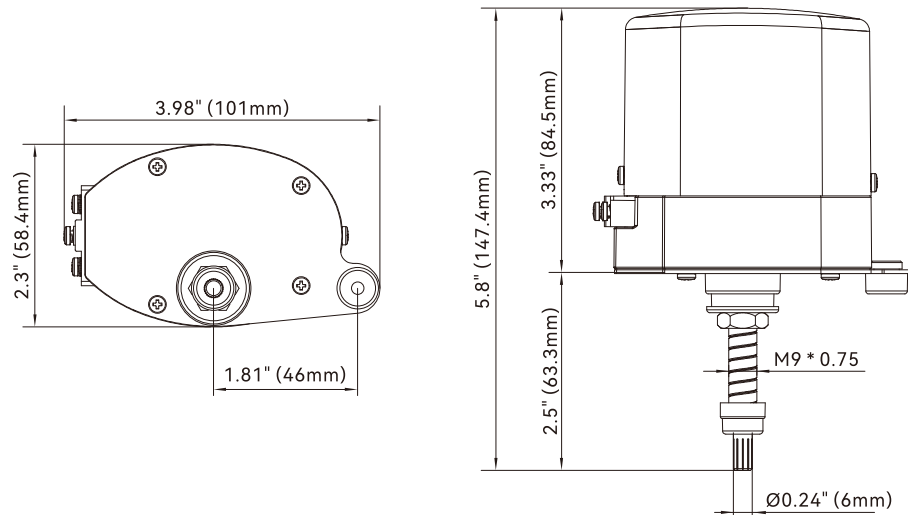
- 5 Nm torque, self-parking
- Adjustable sweep angles: 90°, 110°
- Self-parking position adjustable to the left or right
- Powers arm/blade combinations up to 380 mm / 405 mm
- Stainless steel drive shaft and durable metal housing
- Supports multiple wiper arm and blade combinations

SEAFLO[®]

TECHNICAL SPECIFICATIONS

Model	Voltage	Max Current	Torque	Shaft Length	Sweep Angles	Sweep Speed	Fuse
SFWM1-0564-01	12V	1.2A	5 Nm	64mm / 2.5"	90°, 110°	40 sweeps/min	3A
SFWM2-0564-01	24V	0.6A					2A

DIMENSIONAL DRAWING



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)

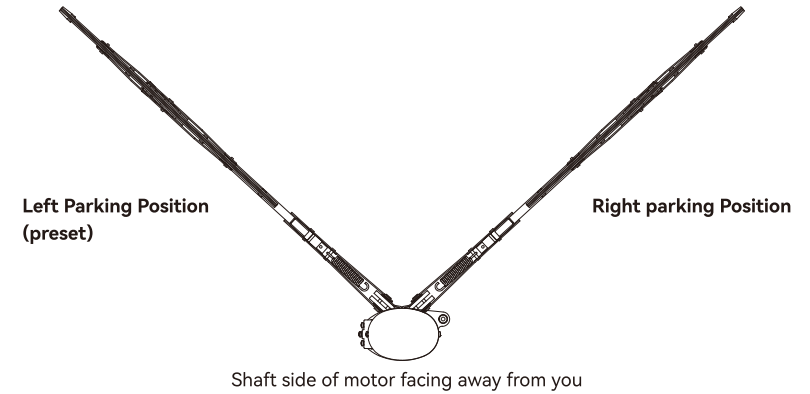
- 9/16" (14mm) open-end box wrench
- Phillips head screwdriver
- Safety glasses
- Measuring tape

Optional tools:

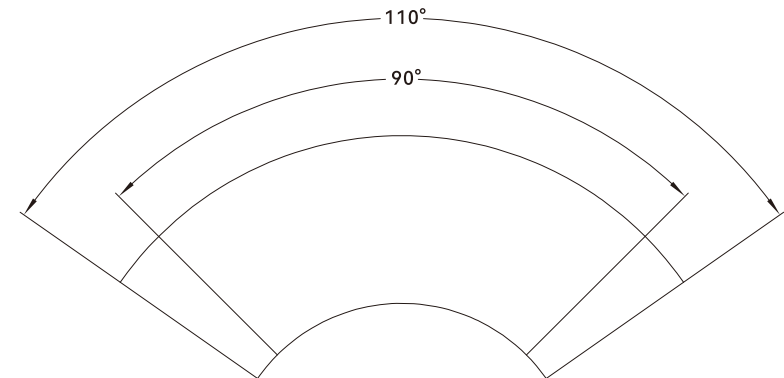
- Marine-grade caulk or silicone

PARKING POSITION ADJUSTMENT OPTIONS

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



SWEEP ADJUSTMENT OPTIONS



INSTALLATION AND WIRING INSTRUCTIONS

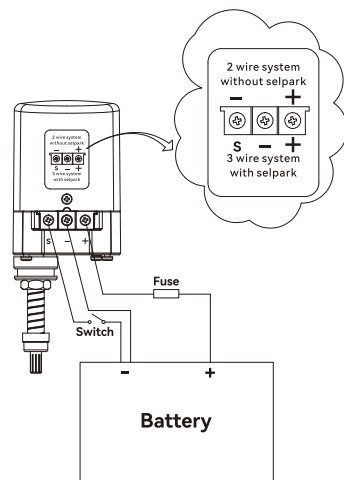
Note: Please read all instructions before beginning.

Installation Precautions

- The wiper motor should be mounted on a flat surface. Failure to do so may result in the motor housing cracking during installation.
- For optimal performance, ensure the wiper shaft is positioned at a 90° angle to the windshield.
- 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

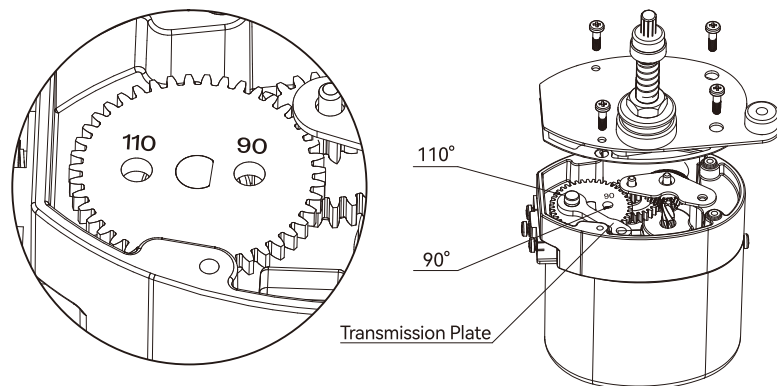
- Determine the motor mounting position:** Choose a flat area with adequate space and clearance for installing the wiper motor.
- Mark the position for the motor shaft and drill the hole:** Use a 3/8" (9.5mm) drill bit to drill a hole for the motor shaft. If the hole is not large enough, you may need to slightly enlarge it with a file to ensure proper installation.
- 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.
- 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.
- 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.
- Install the mounting bracket screws:** Install the mounting bracket screws and tighten them to no more than 15 in-lbs. Do not overtighten.
- 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:

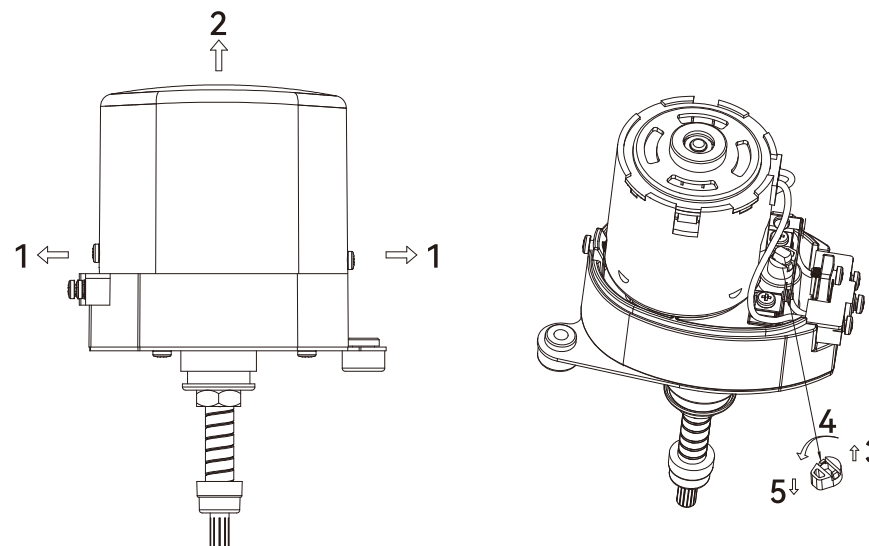
- Remove the four screws located at the bottom of the motor.
- Move the transmission plate to the hole corresponding to the desired angle (90° or 110°).
- Reinstall the screws and tighten them securely.



Changing Parking Position

Procedure:

- Remove the screws from both sides of the motor.
- Remove the motor cover.
- Detach the angle plate assembly.
- Rotate the angle plate assembly by 180 degrees.
- Reinstall the angle plate assembly.
- Reattach the motor cover and tighten the screws on both sides.

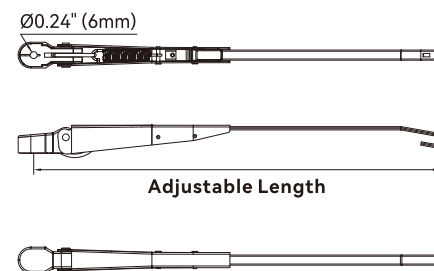


CARE AND MAINTENANCE

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.

OPTIONAL

Wiper Arm 01 Series - Standard

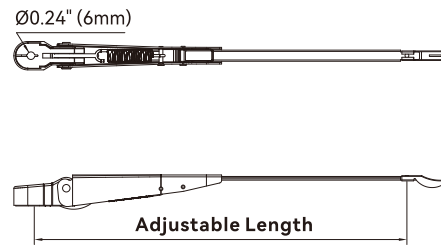


Adjustable Length:
11"-14" / 280-355mm

Type:
J-hook standard model

Material:
316 Stainless Steel

Wiper Arm 04 Series - Standard



Adjustable Length:

7"-10" / 180-255mm

10"-13" / 255-330mm

Type:

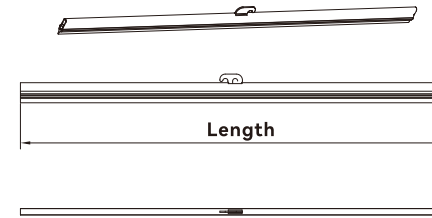
Hook-type standard model

Material:

316 Stainless Steel

Wiper Blade 02 Series

Compatible with Wiper Arm Series 04



Length:

11" / 280mm 12" / 305mm

14" / 335mm 16" / 405mm

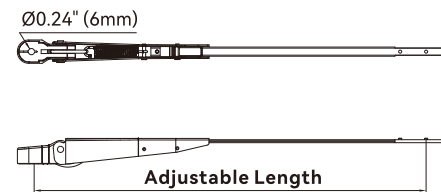
Connection Type:

Hook-type

Material:

Stainless Steel / Rubber

Wiper Arm 05 Series - Standard



Adjustable Length:

9¼"-12¾" / 235-315mm

12"-15" / 305-380mm

Type:

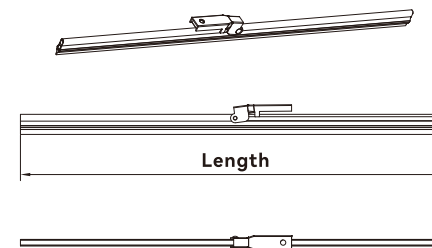
Insert-type standard model

Material:

316 Stainless Steel

Wiper Blade 03 Series

Compatible with Wiper Arm Series 05



Length:

11" / 280mm 12" / 305mm

14" / 335mm 16" / 405mm

Connection Type:

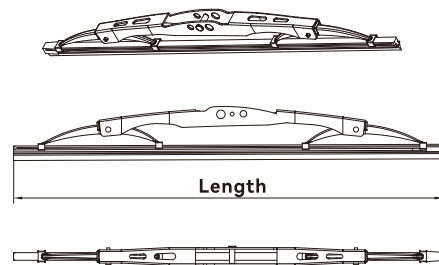
Insert-type

Material:

Stainless Steel / Rubber

Wiper Blade 01 Series

Compatible with Wiper Arm Series 01, 02, and 03



Length:

11" / 280mm 12" / 305mm

13" / 330mm 14" / 355mm

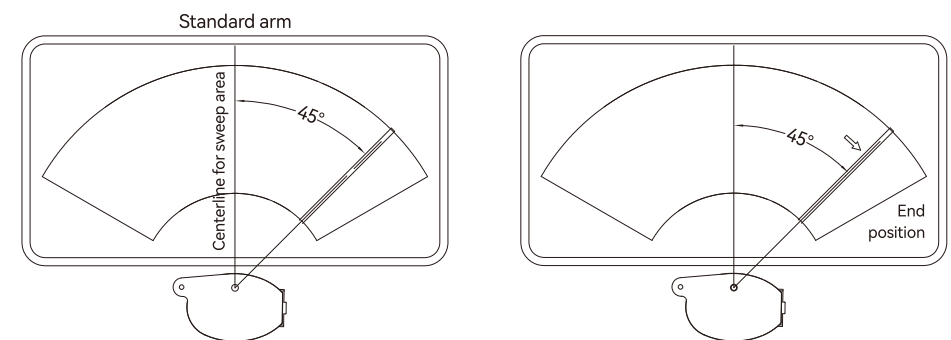
Connection Type:

Replaceable connector type

Material:

Iron / Rubber

APPLICATION DIAGRAM



Shaft side of motor facing you