

Model CW1800

Curtain Winch

IMPORTANT INFORMATION READ BEFORE INSTALLATION

This winch is equipped with a special one way brake system. The brake system is connected to the drive shaft of the main pinion gear and is extended on the winch frame. The diamond shaped brake cap can be seen on top of the frame next to the motor Fig A. The brake is a spring loaded one way brake, the braking force is applied while the load is being lowered. There is a specific lift direction and a specific lower direction.

The winch must be installed with the curtain/load on the proper side of the drive pipe.

To ensure that this happens, the winch can be installed with the brake on the top or the bottom. Refer to the diagrams showing the four possible mounting options.

Run the winch prior to installation to check for shipping damage. Refer to Fig C & D if using the 6" center line to flange side up, with the brake in the top position. Refer to Fig E & F if using the 3½" centerline to flange side up with the brake in the bottom position.

Follow the limit switch setting instructions as described in Fig G.

Installing the winch the wrong way around will mean that the limit direction is backwards and the winch will draw higher current when the curtain is lifting. It will not stop quickly when lowering. The curtain could also creep down slowly when the power is off.

To help with alignment of the drive pipe during installation use a drill with a ½" socket over the hex stud on the back of the motor Fig B. Watch the limit travellers and limit switches to ensure you do not overdrive and damage the winch.

Fig A

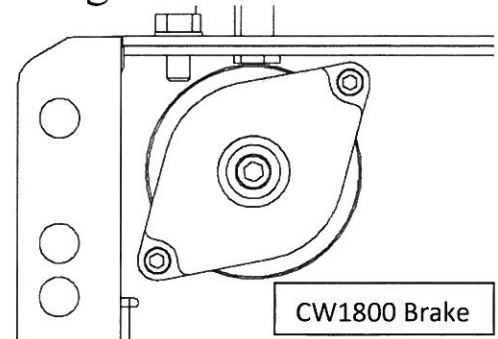
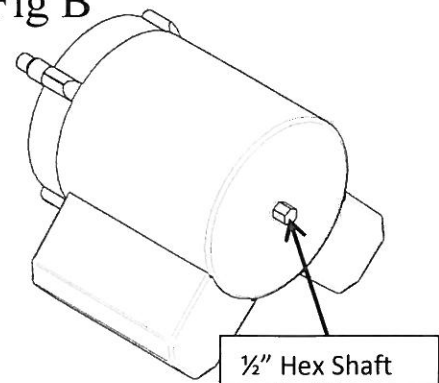
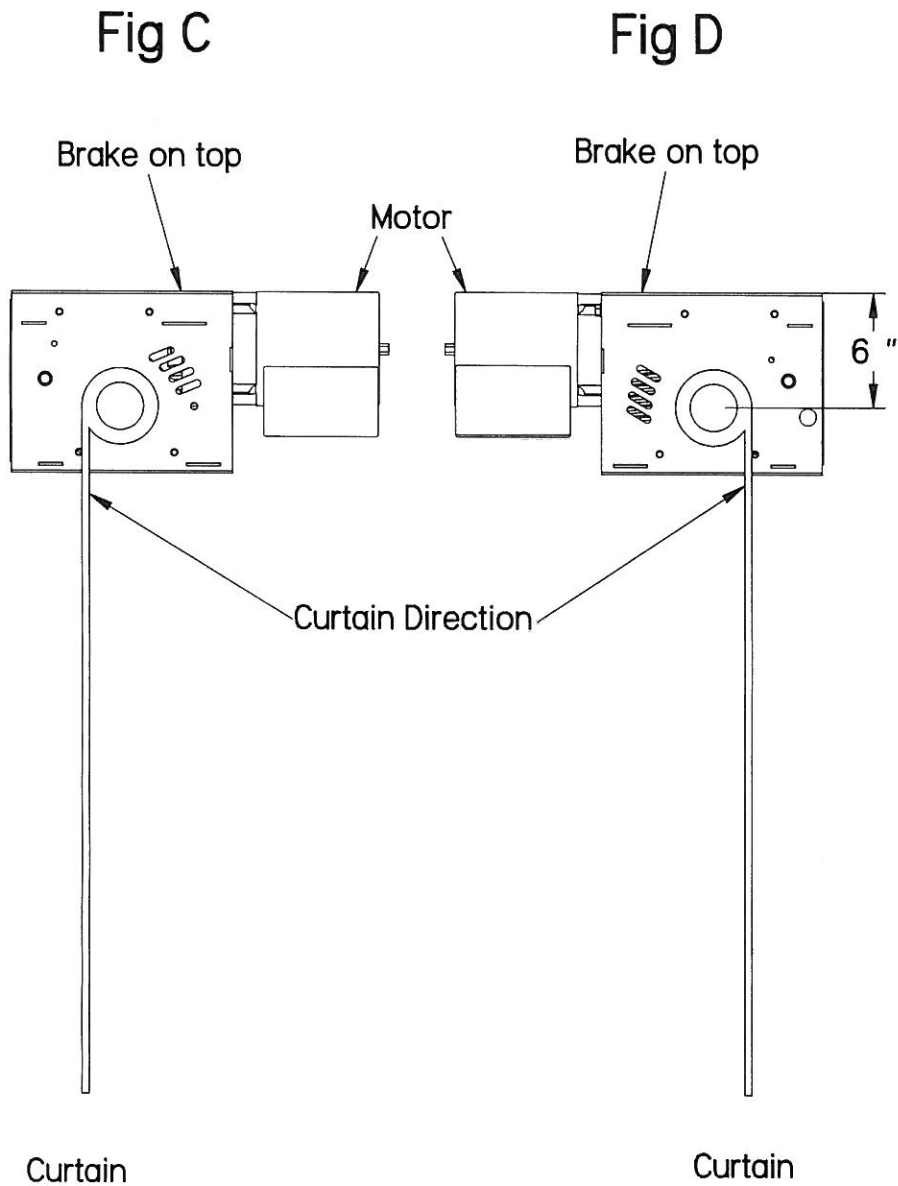


Fig B

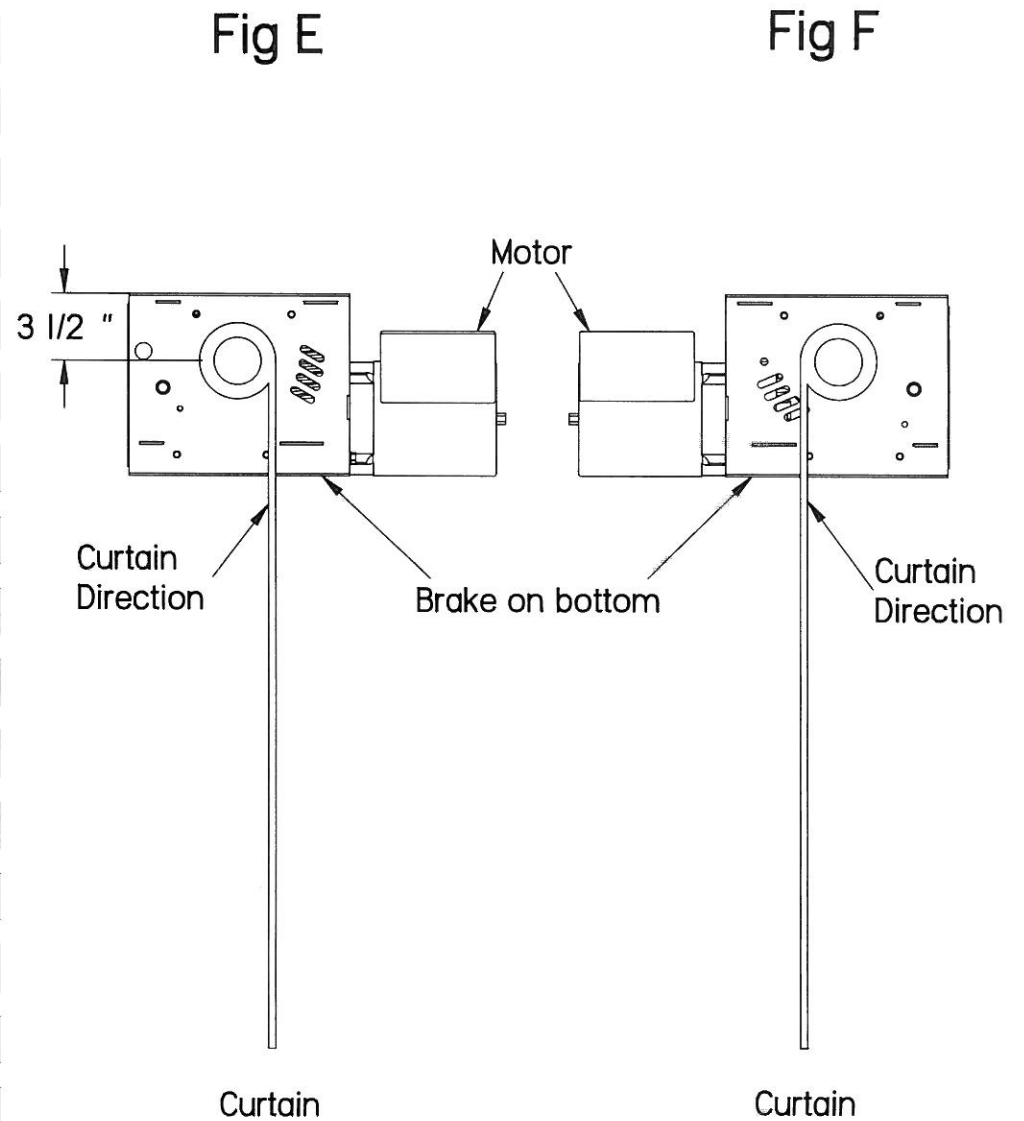


If you have any questions, please call Tech Support at 1-866-829-4411 to speak to someone who can walk you through the installation process.

When the winch is mounted with the brake on top (6" flanges up) the curtain hangs on the opposite side from the motor.



When the winch is mounted with the brake on the bottom (3 1/2" flanges up) the curtain hangs on the same side as the motor.



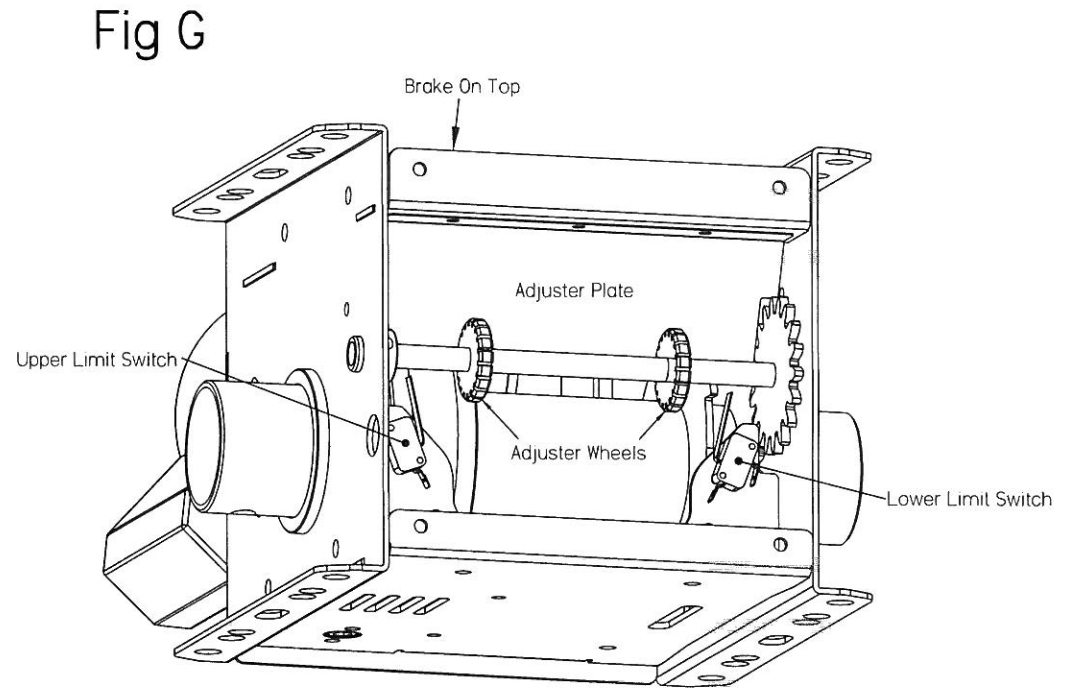
CW1800 Curtain Winch

Setting the Limit Switches

To set the limit switches the winch should be installed in its final location with the curtain attached and ready to operate.

Fig G is an example of how the unit will look when installed with the 6" flange up or brake on top orientation. If the 3 1/2" flange is up or brake is on bottom the upper and lower limits will be switched.

Before setting the limits, test the winch. Raise the load and using a screwdriver make sure the upper limit switch stops the winch. Lower the load and using a screwdriver ensure the lower limit stops the winch. If these are reversed the unit has been installed backwards.



- 1 - Push the adjuster plate back. This will allow the notched adjuster wheels to spin freely. Move them both to the center of the limit rod. Release the adjuster plate.
- 2 - Run the winch until the curtain is at the lowest desired point. Hold back the adjuster plate and spin a notched adjuster wheel until it hits the lower limit and clicks.
- 3 - Release the adjuster plate. Turn the notched wheel slightly so the adjuster plate lip fits in a notch.
- 4 - Run the winch until the curtain is at the highest point desired. Hold back the adjuster plate and spin the other notched adjuster until it hits the upper limit and clicks. (HINT - if you hold only one side of the adjuster plate the other wheel will not lose its setting)
- 5 - Release the adjuster plate. Turn the wheel slightly slightly so the adjuster plate lip fits in a notch.
- 6 - Make sure you run the winch through a full cycle to ensure the switches are working and the limits are set correctly.

Questions or Problems? Contact us at Tork Winch: 1-866-829-4411

Upper Limit Switch:
Blue wire from motor
Red wire from power cord

Power cord
location

Hot wire:
White wire from the motor wire
duct goes directly to the white
wire from the power cord

Motor wire duct
opening

Green ground wire
from power cord

Lower Limit Switch:
Red wire from motor
Black wire from power cord

TORK WINCH

TITLE

CW1800 Wiring Instructions

SIZE
A

PART NO

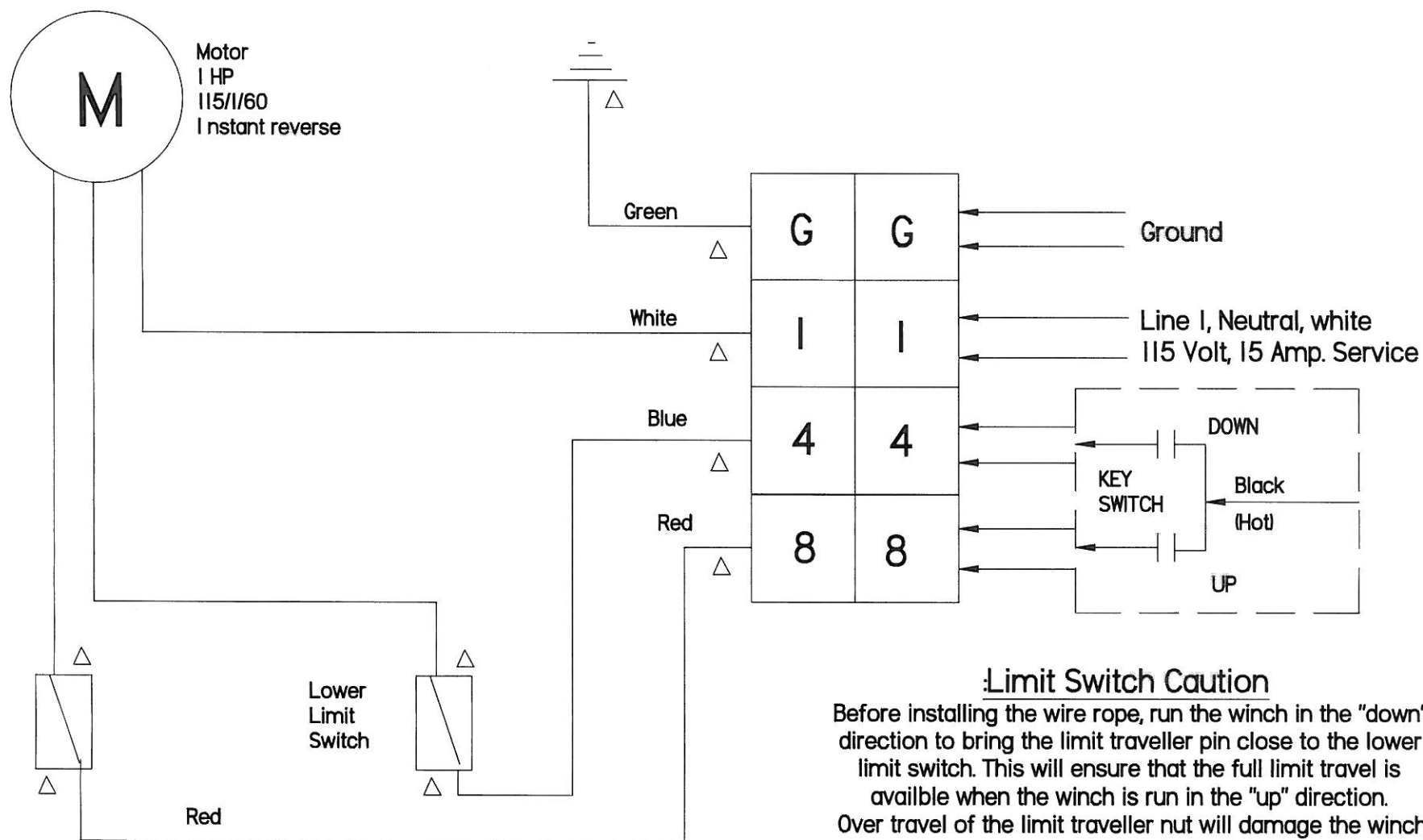
REV

DATE: 03/15/12

SCALE: 1:1

WEIGHT: N/A

SHEET 1 OF 1



Limit Switch Caution

Before installing the wire rope, run the winch in the "down" direction to bring the limit traveller pin close to the lower limit switch. This will ensure that the full limit travel is available when the winch is run in the "up" direction. Over travel of the limit traveller nut will damage the winch.

Specification	Legend	The user is responsible for ensuring that all wiring meets local code and safety standards.		
10.0amp 1 HP 115/1/60	Customer Wiring use No 12/3 wire	CW1800 115V 60 Hz WIRING DIAGRAM		
	Factory Wiring			
		Feb 22 2012	DRAWING	CW1800-WD-120