

# INSTALLATION MANUAL

# BRAKE WINCH

## Level of Difficulty

### Easy

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

## Load Capacity

29610	1,000 lbs. (453,6 kg)
29615	1,500 lbs. (680,4 kg)
29625	2,500 lbs. (1134 kg)

## Tools Required

Ratchet	Socket, 9/16"
Wrench, 9/16"	Socket, 3/4"
Socket, 10mm	--

## Product Registration and Warranty

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## NOTICE

Visit [www.curtmfg.com](http://www.curtmfg.com) for a full-color copy of this instruction manual, as well as helpful videos, guides and much more!

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

Periodic inspection of your product should be performed to ensure all hardware and / or components remain secure.

## ⚠ WARNING

Do not use any attachments to extend the length of the winch cable.

Always leave at least five wraps of cable on the drum. Failure to do so may break cable connection to the drum and could result in serious injury.

Make sure the winch base is properly bolted to a structure or vehicle that can hold both the winch and winch load. Failure to properly bolt down the winch can result in personal injury and / or property damage.

After moving an object with the winch, secure the object.

Do not rely on the winch to hold an object for an extended period of time.

Stand back and stay out of the direct line that the winch cable is pulling. In the event the winch cable slips or breaks, it will 'whip-lash' along this line.

Keep work area clean and dry; damp, cluttered and wet areas invite injuries. Keep children away from the work area and do not allow them to handle the winch.

Use eye and hand protection. Wear impact safety glasses and heavy duty work gloves when using the winch.

Do not wear loose clothing or jewelry that can be caught in moving parts. Wear protective hair covering to prevent long hair from becoming caught. If wearing a long sleeve shirt, roll the sleeves up to the elbows. Do not overreach the winch. Keep proper footing and balance at all times to prevent tripping, falling, back injury, etc.

Check for damaged parts and any other conditions that may affect operation of this winch. Carefully check that it will operate properly and perform its intended function. Replace or repair damaged or worn parts immediately.

Check the cable before each use for signs of wear. If cable show signs of wear, replace immediately.

Always maintain a firm grip on the winch handle and do not release the handle until the ratchet pawl is properly engaged. Release handle slowly to be sure that ratchet lever is fully supporting the load.

Never use a hand winch for lifting equipment or humans.

## Product Photo



# INSTALLATION

## Handle Installation

Prior to operating the winch, secure the handle to the input shaft.



## Winch Installation

To secure the winch to the mounting location, you will need three grade 5, 3/8" diameter bolts, three lock washers, six flat washers and three nuts (hardware not included).

Place the lock washer, then a flat washer on the bolt. Place the bolt through the mounting hole on the winch. Add one more flat washer and secure with a nut.

## Cable Installation

To secure the winch cable, insert the end of the steel cable through the drum flange hole from the inside of the drum to the outside of the drum.

Wrap the cable around the drum shaft once, feeding the cable under itself. Secure the cable to the drum by feeding the end of the cable through the cable anchor. The end of the cable should be sticking through the anchor a minimum of 1 inch. Torque the cable anchor nylon nuts to 2 ft-lbs.



# OPERATION

## Step 1

Verify the winch is properly secured to the winch mount and the winch handle is properly secured to the winch input shaft.

## Step 2 - Operating the Winch

Be sure to have a minimum of 50 lbs. (22 kg) of load when operating the brake winch.

### Cable In:

To wind the cable in, rotate handle clockwise.

### Cable Out:

To wind the cable out, rotate handle counter-clockwise.

**Note:** The brake winch is designed to hold the load in place when the handle is released.

Always verify the cable hook is properly engaged to load prior to operating the winch.

## Mounting the Winch to a Winch Stand

The winch stand must be strong enough to support at least 5 times the rated capacity of the winch. The mounting surface must be equal to or larger than the footprint of the winch frame.

**Note:** mounting hardware not supplied.

### ⚠ WARNING

Make sure the winch base is properly bolted to a structure (or vehicle) that can hold winch and winch load. Failure to bolt down the winch properly can result in personal injury and / or property damage.

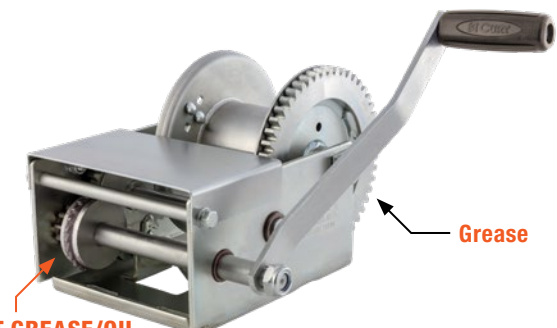
# MAINTENANCE

## Maintenance

Check cable for wear.

Replace damaged cable immediately.

Apply oil to input shaft, bushings and drum hub and grease all gears regularly.



**DO NOT GREASE/OIL THE FRICTION PAD**