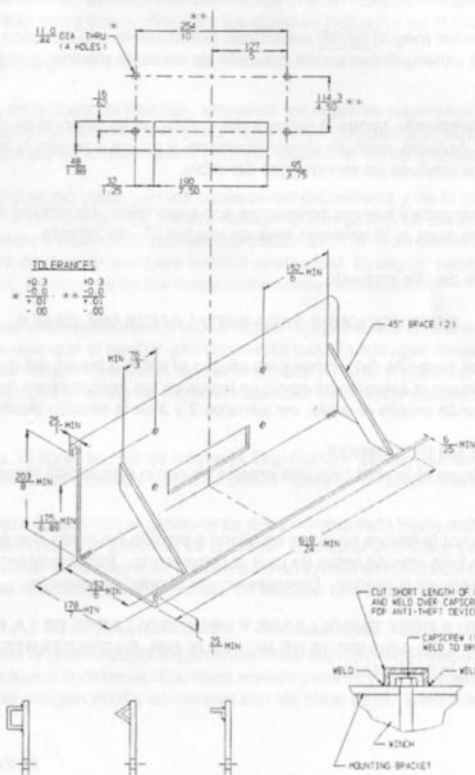


ALL DIMENSIONS: $\frac{\text{MILLIMETERS}}{\text{INCHES}}$



When used for vehicle bumper mounting, check with local authorities for compliance to bumper regulations.



MODEL 8274-50

DO NOT INSTALL THIS WINCH BEFORE YOU HAVE
READ AND UNDERSTAND THE OWNER'S MANUAL.
IT CONTAINS IMPORTANT SAFETY INFORMATION.

NO INSTALE ESTA CABRESTANTE ANTES DE LEER
Y COMPRENDER EL MANUAL DE USO. CONTIENE
IMPORTANTE INFORMACION DE SEGURIDAD.

NES PAS INSTALLER CE TREUIL AVANT D'AVOIR
LU ET COMPRIS LE MANUEL DU PROPRIETOUR.
IL CONTIENT D'IMPORTANTES INFORMATION DE
SECURITE.

WARN INDUSTRIES

12900 SE CAPPS ROAD CLACKAMAS, OR 97015

**WARN ELECTRIC/2 WAY WINCH
MODEL 8274
INSTALLATION INSTRUCTIONS**

The alignment between the winch gear housing and the winch drum support is of prime importance for the life of your winch. For winches which are not mounted on a factory mounting plate, it is recommended that you use a winch mounting bracket as that shown on the last page, applying the illustrated hole pattern, hole diameters and tolerances.

WINCH MOUNTING

1. Place the winch on the mounting plate, align the upper holes in the gear case and drum end support with the upper holes in the mounting plate and secure loosely, with two 7/16-14x1-1/2" hex head capscrews with lock washers in the upper holes.
2. Align holes in fairlead with holes in mounting plate and winch. Insert two 7/16-14x1-1/2" hex head capscrews with lock washers through fairlead and secure loosely to winch with 7/16 square nuts. (Cavities have been provided in the gear case and drum support for square nuts.) Any deviation from this standard mounting will be shown on the mounting kit installation instructions.

NOTE: Drum end support must be tightened first, lightly tighten gear side and align with end support. Assure that drum rotates freely with clutch disengaged (models with clutch). If drum binds or does not rotate freely, relocate end support and repeat process. On models without clutch, check for binding after electrical connections are made, then proceed with steps 3 and 4.

3. Tighten the above capscrews to 33 lb. ft. (4.5 KG-M) torque. Install two soft plugs into fairlead holes with hammer. This is an anti-theft device.
- 4A. **CAUTION:** In any installation, the winch must be mounted upright with four mounting holes facing the direction of the intended load. Any other mounting could be unsafe, possibly resulting in broken mounting bolts or winch case. Contact our Customer Relations Department for advice prior to making any unusual installation other than that described above.
- 4B. **DO NOT WELD THE HEAD OF ANY BOLT OR CAPSCREW** used for attaching the winch, mounting kit or bumper kit. Metalurgical changes after welding can occur and cause the fasteners to become brittle and break, even under no-load conditions. This could result in personal injury or property damage.

CLUTCH OPERATION

The clutch is operated by a simple push of the knob. To engage, push the knob in; to disengage, pull out.

It may be necessary to rotate the drum slightly to allow the gears to mesh when engaging the clutch.

If the wire rope does not free spool easily with the clutch disengaged, hold the inner plate firmly and rotate the outer brake plate counter clockwise. This will release the brake. Pull the wire rope out smoothly; jerking will cause the brake to lockup even with the clutch disengaged.

ELECTRICAL CONNECTIONS

After mounting winch on bumper or custom mounting--

1. Attach the positive cable from the control pack (red) to the positive terminal of the battery.
2. **The negative cable from the motor (black) MUST be attach directly to the negative ground of the battery. This is necessary to provide a good electrical current path and allow the winch to deliver full power.**
3. Before initial use of your winch, place clutch in free spool position, pull out a minimum of six feet of wire rope, plug in remote control and test for proper forward and reverse operation, keeping hands free of wire rope.

NOTE: A fully charged conventional automotive battery with a minimum rating of "500 cold cranking amps" is recommended to obtain peak performance from your winch. Make sure all electrical connections are clean and tight.

INSTRUCTIONS FOR WIRE ROPE INSTALLATION

Remove the end cap from the drum support and insert the end of the wire rope through the fairlead and through the hole in the drum. Attach the wire rope clamp and pull tight so clamp returns to inside the drum. Secure the winch as stated in the winch mounting instructions.

WINDING WIRE ROPE ONTO DRUM

Wire rope must be wound onto the drum under a load of at least 500 lbs., or the outer wraps will draw into the inner wraps and damage the wire rope.

NOTE: Since factory wire rope is not put on under a load, it must be spooled on under a load prior to using the winch. First spool out the entire wire rope length to the last 5 wraps on the drum, then rewind the remaining wire rope under a load.

! CAUTION THE WIRE ROPE MUST SPOOL ON AND OFF THE BOTTOM OF THE DRUM AS WINCH MOUNTING HOLES FACE THE LOAD OR THE BRAKE WILL NOT FUNCTION.