

EASYHOISTS

H A R D T O P H O I S T S

OPERATION INSTRUCTIONS

CAUTIONS AND GENERAL SAFETY

We highly recommend that the operator of the Easy Hoists hard top hoist/storage system fully read and understand these instructions before beginning.

OPERATION:

1. Always stay clear from the hard top while raising, lowering, and/or storing the hard top.
2. Always disconnect the storage/stabilising cable before lowering the Easy Hoists cradle.
3. When using the power tool adapter with the manual unit, remove the manual crank handle to prevent injury.
4. Never use the Easy Hoists hoist/storage system if its pads or your hard top are WET. Spots may occur and damage your paint or interior.
5. Always check your hard top to ensure that it has been completely released from your car before attempting to raise or use the Easy Hoists hoist/storage system.
6. Pay close attention while raising your hard top. The Easy Hoists hard top hoist/storage system does not have an automatic stop. You must stop the unit. Never allow the pulley on the Easy Hoists cradle to come into contact with the double pulley located at ceiling level.
7. Never allow anyone unfamiliar with the Easy Hoists hard top hoist/storage system use the hoist.
8. Each Easy Hoists hard top hoist/storage system is specifically designed for each car. Never try to use a hoist for a car other than the one it was designed for.

BEFORE PLACING YOUR CAR INTO THE GARAGE

1. Disconnect the Easy Hoists cradle from the storage cable. If this is not done now, you will probably have to stand on your car to get to it.
2. Remove a pin and open a swing arm on the cradle. Note: On some hoists (depending on the car type) the side arm hinges on the lower section as well as where it joins the cross bar. At this stage, just open the swing arm where it attaches to the cross bar.
3. With the swing arm fully open, replace the pin into the hole of the long bar only. This will hold the swing arm in an open position.
4. Repeat for the other swing arm
5. Clean your pads and check the operation of the winch.
6. Clear any items from the garage bay that might be in the way when you back or pull your car into the garage. If the Easy Hoists cradle is too low, raise the cradle so the car will clear when pulling in.

PLACING YOUR CAR INTO THE GARAGE

1. Ensure your hard top is dry and clean. Do not use the Easy Hoists on a dirty hard top.
2. When placing your car into the garage bay, center the car with the Easy Hoists cradle.
3. Pull into the garage until the top edge of the back glass is level with the rear of the cradle. This will place you very close to centre of balance.
4. Lower both windows completely.
5. Lower the radio antenna.
6. Turn off your car.
7. Disconnect any defroster cables that may be attached to the car.
8. Release the hard top from the car. Refer to the owner's manual of your car for instructions. (Mercedes SLs from 1990 and later will have to energize their electrical systems for removal of the hard top. Remember to turn off your car when finished.)
9. Lift up at each side of the hard top to ensure it is completely released from the car.
10. Do not try to remove the hard top from the car if you are not sure the hard is completely released. You may cause damage to your car, the Easy Hoists system, or both.

WINCH OPERATION

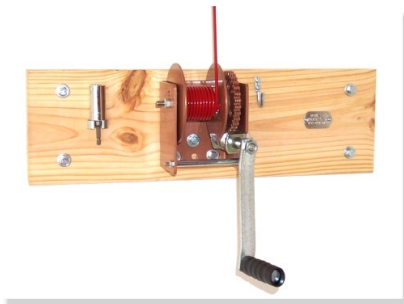
1. Clear any items from the winch assembly i.e. towels, clothing, golf clubs, etc.
2. To lower the Easy Hoists cradle, use the handle or the power tool adapter and rotate it counter-clockwise.
3. To raise the Easy Hoists cradle, simply rotate the handle or the power tool adapter clockwise.

MANUAL WINCH POWER TOOL ADAPTER

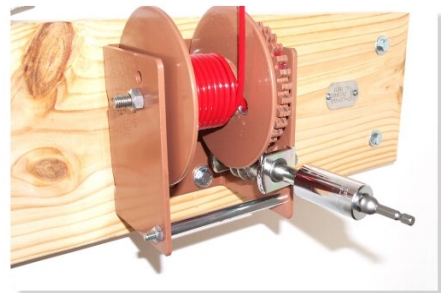


The power tool adapter makes the manual Easy Hoists hard top hoist/storage system easier and faster to use.

N.B. The type of winch supplied sometimes varies and will not always look exactly the same as these photos. In some cases, the drive shaft does not have a long enough thread to allow both nuts to be fitted at the same time. In those cases, please use the plain nut to retain the handle, and the lock nut when you are using the power tool adapter.



Manual winch with crank handle attached.



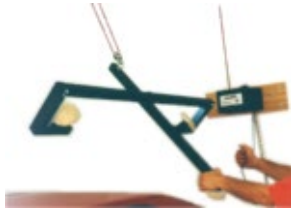
Manual winch with power tool adapter placed onto shaft of winch.

1. Remove the handle and collar from the winch by loosening the locknut. You must remove the handle from the winch or you risk possible personal injury.
2. Once the handle and collar are removed, replace the locknut onto the shaft of the winch and tighten it as far as it will go. Then fit the plain nut, tightening it gently against the locknut.
3. Insert the Power Tool Adapter into your reversible drill as you would a drill bit. Then place the adapter onto the shaft of the winch.

Note:

- Where the thread is long enough, both nuts must be on the shaft. The plain nut does not need to be tight.
 - Never use the drill at high speed.
 - We recommend the use of a cordless drill.
4. Start the winch slowly at first to remove your hard top. Pay close attention to the pins that protrude from the bottom of the hard top. We recommend at least two people on initial removal and replacement of the hard top.

LOWERING THE EASY HOISTS CRADLE TO THE HARD TOP



1. Reach out and grab hold of the lamb's wool pad located on the short bar. Pull towards you.
2. Lower the cradle while holding onto this pad. Both swing arms should be open at this time.
3. When the pulley on the short bar is approximately 1 foot from the top of the hard top, stop lowering the cradle and place the lamb's wool pad at the front of the hard top.
4. Hold onto the long bar of the cradle and continue to lower the Easy Hoists cradle just until the padding on the short bar is touching the top of the car.

ATTACHING THE EASY HOIST TO THE HARD TOP



1. Remove a pin from one of the swing arms. In models that have two hinged sections, remove both pins.



2. Swing the arm underneath the hard top and replace the pin(s) all the way through the swing arm locking them in place. Ensure that they are correctly located so that the side arms cannot open out.
3. Repeat for the other side.
4. Check both arms and ensure that they are in the LOCKED position.
5. Push the Easy Hoists cradle toward the back of the car as far as it will go.
6. Now, bring the Easy Hoists cradle toward the front of the car 1/4". (This will keep the swing arms from coming in contact with the moldings of the hard top.)



REMOVING THE HARD TOP

1. Make certain that your hard top is completely released from your car.
2. Prepare for the swing of the hard top. Check the angle of the cable – it should be as near to vertical as possible. If it isn't vertical the hard top will want to swing once it's released from the car.
3. Begin to raise the hard top according to the type of winch you have.
4. While the hard top is raising hold onto it to prevent its pins from coming in contact with the car. Let the Easy Hoists do the lifting. It just needs side to side guidance
5. When there is sufficient clearance between the car and hard top, remove your car from the area. **Ensure your radio antenna is in the down position!**



Note: The Easy Hoist does not have an automatic stop. You must stop the winch.

6. Raise the hard top until the pulley on the Easy Hoists cradle is approximately 1" from the double pulley mounted into the ceiling.

Never allow the pulley on the cradle to come in contact with the double pulley located in the ceiling. If the winch is not stopped, there is a possibility of damage to your hard top or the Easy Hoist.

STORING THE HARD TOP

The Easy Hoist is designed so that you can leave your hardtop suspended in the cradle without damage to the hard top.

The Easy Hoists winch is self-locking so can simply be left once you've raised the hard top.

Connect the storage/stabilizing cable by clipping it onto the small eye at the front of the cradle. This will keep the hard top stable and prevent it slowly rotating.

Note: Remember to disconnect the storage cable BEFORE lowering the hard top.

REPLACING THE HARD TOP

1. Disconnect the storage cable (if attached) from the front of the Easy Hoists cradle.
2. Lower the antenna on your car.
3. Pull in or back in the car until it is centered below the hard top.
4. Lower the Easy Hoists cradle until it's about 1 foot or so from the car.
5. Guide the pins of the hard top into their mounting holes. Let the Easy Hoist do the lifting and lowering. You only need to guide the hard top from left to right or front to back.
6. Once the hard top pins are in their holes, lower the Easy Hoists cradle until there's some slack in the cable.
7. Remove the swing arm pins, swing the arms open and replace the pins into the long bar only to lock the arms in an open position.
8. Raise the Easy Hoists cradle until it is completely clear from the car.
9. Attach the hard top to the car. Refer to your owner's manual.
10. Remove your car from the area.
11. Raise the Easy Hoists cradle to ceiling level.
12. Connect the storage cable to the Easy Hoists Cradle.