



Owner's Manual

and Warranty Information

Table of Contents

Introduction	3
Description of Features	4
Important Notes	7
Unlocking Hoistway Doors	8
Maintenance	9
Troubleshooting	10
Limited Warranty	11

It is important that this entire manual be read and understood prior to attempting operation of equipment. Also, please observe all cautions and warnings!

IMPORTANT

The Serial Number of your
Elevator is:

This serial number contains important information about your elevator. This number may be needed if the lift requires replacement parts. Please keep it handy.

INTRODUCTION

Your Chaparral® has been manufactured with the same precision and care that has been a tradition for decades. You can be proud of the fact that you join thousands of others who have turned to Access Industries for the ideal solution to their accessibility needs.

As you will soon discover, your elevator is easy to operate and has been designed for years of dependable and trouble-free operation. However, as with all electrical and mechanical equipment, proper operation and periodic maintenance is absolutely required.

This manual has been prepared to provide clear, concise operating and maintenance instructions. We urge you to read and adhere to the important guidelines provided in this manual before you attempt to operate your elevator.

Please remember . . . If you do require service, only an authorized Access Industries dealer has the trained technicians with the required tools and genuine replacement parts needed to properly repair your lift. They are committed to providing quality service

Dealer Information

Name: _____

Address: _____

Telephone No.: _____

If you have questions concerning the operation or maintenance requirements of your elevator, please contact the local dealer listed above or contact the Service Department at 816-763-3100.

DESCRIPTION OF FEATURES

Become familiar with the location and function of the features and options included on your elevator before using.

Elevator Controller: Located in the machine room, the Programmable Logic Controller is UL listed. It has LED indicators for use by service personnel that simplify troubleshooting and diagnostics.

Drive Systems:

- a) 1:2 roped hydraulic single stage cylinder powered by 2.5 hp submersed motor with two speed valve assembly.
- b) Winding drum with 100:1 double reduction gear box 3 hp VVVF controlled motor with mechanical and dynamic braking.

Automatic Car Control Buttons: Located on the car operating panel. Press and release the desired floor number to send the elevator to that floor. The button illuminates when pressed, indicating the command was registered by the elevator controller.

Automatic Call Buttons: Located near each hoistway door. Press and release the button to call the elevator to that floor. The button illuminates when pressed, indicating the "call" was registered by the elevator controller. There is also an "In Use" light to show when the elevator is in use. A call cannot be made while the elevator is in use.

Keyed Car Control Switch (Optional): Located on the car operating panel, it is provided to limit use to authorized persons only.

Emergency Stop Switch: Located on the car operating panel, this switch can be pulled to stop the car and activate the alarm.

Telephone Jack: A telephone jack is provided inside the elevator for connecting to a standard telephone. It is strongly recommended that a telephone be installed.

Emergency Lowering: (*Hydraulic Drive only*) In the event of a power failure, the elevator can be sent to a lower floor via battery power as long as all doors are closed when power is interrupted. *The doors must be opened from the outside with a key.*

Manual Emergency Lowering

Device: (*Hydraulic Drive only*) The elevator can be lowered manually by pressing and maintaining constant pressure on the red button on the side of the hydraulic control valve until the car reaches the desired level. **Warning:** *Before attempting to manually lower the car, you must verify that the drive ropes are not slack. The elevator should only be manually lowered in the case of an emergency with the power disconnected.*



Battery Backup Emergency Light : In the event of a power failure, the inside of the elevator is illuminated by a battery powered light.

Automatic Car Lights (Optional): Turns the car lights on when the car gate is opened. The lights turn off after an period of inactivity.

Car Light Override Switch: Toggles the car lights between automatic and constantly on.

Door Interlocks: Prevents the hoistway door from being opened if the elevator is not at that level. *Unlocking door interlocks should be done only in emergency situations and is explained on page 8.*

Slack Rope Safety Brake: In the unlikely event that one of the ropes, (that the elevator is suspended from, breaks or becomes slack, the slack rope safety brake locks onto the guide rails and all operating controls are inoperable. Call an authorized dealer immediately in this situation.

Rupture Valve: (*Hydraulic Drive only*) In the unlikely event that the hydraulic line bursts, the rupture valve closes, stopping the flow of hydraulic oil from the cylinder and stopping the elevator

Pit Switch: Located in the hoistway at the bottom floor level, used to remove power from the elevator controller and hydraulic power unit while servicing or inspecting.

Anti-Creep Device: Due to the nature of hydraulics, the elevator can "creep" or gradually lower while sitting idle at a floor. In this situation, the hydraulic power unit automatically raises the elevator back to the floor level position.

UNLOCKING HOISTWAY DOORS

Warning: The doors should be manually unlocked and opened only in emergency situations. The disconnect switch in the machine room must be turned off before manually unlocking a door.

Familiarize yourself with type of interlock your elevator has. Have your dealer demonstrate the proper procedure for unlocking the hoistway doors.

Manual Swing Door with Access ESI

Insert the emergency release key into the hole in the door, (near the top) and pry up to release the interlock.



Manual Swing Door with G.A.L. Interlock

Insert the emergency release key into the hole in the door, (near the top) and turn clockwise and hold while pulling the door open.



Manual Swing Door with Flush Mount Electric Strike Interlock

Insert the key into the key hole in the door, turn clockwise and hold while pulling the door open.



IMPORTANT NOTES

The following must be observed at all times:

- Do not exceed capacity of 750 lbs. (340kg)
- Do not bypass any control sensors.
- Do not lean against car doors or hoistway doors.
- Do not use elevator to transport freight.
- Do not operate elevator if it has been damaged in any manner.
- In case of fire, do not use elevator.
- Be certain the elevator is at the proper floor level before entering or exiting.
- Be certain that your dealer has obtained an Elevator Permit, if required, from the Local/State Elevator Inspector.

MAINTENANCE

Regular maintenance is essential in keeping your elevator in proper operating condition. Please remember, you as the owner of this equipment, are responsible for making sure maintenance and upkeep are performed on a regularly scheduled basis.

We strongly urge you to protect your investment by having only an authorized Access Industries dealer perform all required maintenance, service and repair work.

To assure proper operating condition of your elevator, the items listed below should be inspected and/or serviced every three (3) months.

- Tighten all fastening anchors.
- Inspect drive cables and sheaves for wear. Cables or sheaves must be replaced if showing signs of wear.
- Inspect all travel cables for excessive wear or damage. Replace as necessary.
- Dress ropes with SAE-20W oil. (Do not use grease).
- Check the fluid level in the pump reservoir. If oil level is low, fill reservoir with grade 32 hydraulic oil.
- Check piping, hydraulic jack, rupture valve and control valve for hydraulic oil leakage. (Hydraulic Drive only)
- Verify proper operation of all car and hoistway door sensors.
- Verify proper operation of all car controls and landing call buttons.
- Equalize tension of ropes.
- Verify proper operation of Emergency Lowering Devices.

TROUBLESHOOTING

Before You Call For Service.

A quick check of the Operating Instructions in this manual may prevent an unnecessary service call. Before calling your authorized Access Industries dealer for service, refer to the following checklist . . .

If Lift Will Not Operate:

- Check that all doors are completely closed.
- If equipped, check that the emergency stop switch is not activated.
- If equipped, check that key switch is turned to the "run" position.
- Check for a blown fuse or tripped circuit breaker at the main circuit box.
- Verify that power is "on" at the disconnect switch box.

If the elevator does not operate after checking the above items, contact your local authorized dealer for immediate service. Do not attempt to service the elevator yourself. If your elevator needs servicing, use only original replacement parts and hardware to maintain quality and performance.

LIMITED WARRANTY

ACCESS INDUSTRIES, 4001 East 138th Street, Grandview, Missouri 64030, warrants to the ORIGINAL PURCHASER ONLY for a **one year period** commencing with the date of installation, that the elevator and all parts used in the elevator shall be free of defects in material and workmanship. The self-addressed Limited Warranty card below must be completed and returned to ACCESS INDUSTRIES within 30 days from the date of the elevator's original purchase in order for this Limited Warranty to go into effect. OTHERWISE, THIS LIMITED WARRANTY WILL NOT BE APPLICABLE.

The following are examples of items not considered manufacturing defects and are not covered by this Limited Warranty. 1. Difficulty or damage resulting from improper assembly, operation, care of maintenance. 2. Minor mechanical adjustments such as tightening of nuts, bolts, and screws. 3. Damage or difficulties due to misuse, neglect, fire, flood, acts of God, ordinary wear and tear, and damage during shipment that would be the responsibility of the carrier.

NO WARRANTY IS EXTENDED, EXPRESS OR IMPLIED, WHETHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AFTER EXPIRATION OF THE WARRANTY PERIODS LISTED ABOVE FROM THE DATE OF THE ORIGINAL PURCHASE OF THE LIFT. ACCESS INDUSTRIES and its dealer shall not be liable for any consequential, special or incidental damages arising out of the purchase or use of the lift or resulting from breach of this Limited Warranty, or any implied warranty, and the limit of liability of ACCESS INDUSTRIES and its dealer hereunder shall be the lift's purchase price. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, or legal remedies, so these above limitations may not apply to you.

(continued on back)

To register your Chaparral® Elevator, this card must be completed and returned to Access Industries within thirty days from the date of the elevator's original purchase in order for the warranty to go into effect. OTHERWISE, this LIMITED WARRANTY WILL NOT BE APPLICABLE. (Please type or print)

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PURCHASE DATE _____ SERIAL NO. _____

DEALER'S NAME AND ADDRESS _____

To make a claim under this Limited Warranty, immediately send to the dealer who sold you the lift and has the responsibility for handling your warranty claim, a notice of your claim, setting forth the defect complained of, along with a copy of the invoice or other proof of purchase and the serial number of the lift. The dealer will notify ACCESS INDUSTRIES. Your notice must be received by the dealer within the warranty period from the date of the lift's original purchase. Any defect in the lift due to materials or workmanship will be repaired or the lift replaced without charge for materials. THIS LIMITED WARRANTY DOES NOT COVER ANY LABOR OR SERVICE CHARGES INCURRED IN THE REPAIR OR REPLACEMENT OF A DEFECTIVE LIFT OR PART BY THE DEALER OR ACCESS INDUSTRIES. It is permissible to have any repairs made or replacement work done as a result of any defects in material and workmanship by someone other than the dealer under this Limited Warranty. However, the Limited Warranty does not cover any charges or expenses assessed by any such other person or company performing such repairs or replacement work. All parts used to replace defective materials must be genuine ACCESS INDUSTRIES parts to be covered by this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

ACCESS INDUSTRIES • 4001 East 138th Street • Grandview, MO 64030



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