



MID-SIZE SUV OWNER'S MANUAL

CHEVY TRAVERSE / GMC ACADIA / BUICK ENCLAVE



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ATC provides a life-changing experience through mobility with style!

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Operating the Lift and Door

To ensure that the lift and door are operated in a safe manner, the following precautions should be understood and followed.

VEHICLE SETUP



To increase safety, your vehicle and wheelchair should be configured for safe driving by a professional. Seat belt modification or extension may be required depending on the size of the wheelchair and individual application which should also be configured by a professional.



WARNING: DEATH OR SEVERE INJURY MAY OCCUR:

The wheelchair must be locked in place by an E-Z Lock or equivalent system to ensure it cannot be moved during operation of the vehicle. Locking mechanism is operator and wheelchair specific so must be installed by a qualified local dealer to ensure proper operation.



WARNING: DEATH OR SEVERE INJURY MAY OCCUR:

Take great care to observe door opening/closing and ramp movement through its complete cycle. To stop the sequence, simply release the remote button. Door must be fully open before ramp is lowered.



WARNING: DEATH OR SEVERE INJURY MAY OCCUR:

The ramp mechanism and door have pinch points. Please keep all people, objects and body parts away from the mechanisms while in operation.



WARNING: DEATH OR SEVERE INJURY MAY OCCUR:

The ramp mechanism involves a number of moving parts that are capable of generating a large amount of force. Do not store objects in the vicinity of the mechanism, or where they could be dislodged into the ramp where they could be crushed or damaged.



WARNING: DEATH OR SEVERE INJURY MAY OCCUR:

Do not attempt to service the ramp or door mechanism. Service should only be complete by a trained professional from your authorized ATC Dealer.



WARNING: DEATH OR SEVERE INJURY MAY OCCUR:

Avoid all wires and electrical components of the vehicle. These components must be serviced by your local authorized ATC Dealer.

CHAIR ADJUSTMENTS



WARNING

You can lose control of the vehicle if you try to adjust the wheelchair while the vehicle is moving. The sudden movement could startle and confuse you, or cause unexpected manipulation of the vehicle controls. Make all adjustments only when the vehicle is not moving and disable the controls on a power chair if possible.

INSPECTING YOUR LIFT AFTER A CRASH



WARNING

A crash can damage the door or ramp mechanism or various other components of the system causing it to operate in a manner different than intended, resulting in premature wear, serious injury or even death. To insure that your system is working optimally, have it inspected and any necessary replacements made as soon as possible.

DAMAGE DUE TO INSUFFICIENT OR IMPROPER MAINTENANCE

Damage caused by failure to follow the recommended maintenance schedule intervals and/or failure to use or maintain fluids, fuel, lubricants, or refrigerants recommended in the OEM owner's manual is not covered.

MAINTENANCE

ATC recommends biannual service inspections from your local authorized ATC Dealer. Replacement parts should only be installed by your local dealer. Visual inspections should be performed on a regular monthly basis by the operator. ATC conversion requires separate inspection from normal vehicle maintenance. Both vehicle and conversion inspection should be done per recommended schedules.

INSPECTION ITEM	INSPECTION CRITERIA	INSPECTION FREQUENCY
Electrical wiring	Corrosion at connection points, wear or chafing of insulation, pinched or cut wires. Routing to avoid any potential damage.	Monthly by operator and biannually by local authorized dealer
Hydraulic cylinders, pump, and manifold	Check for proper fluid level in tank (DO NOT TOP OFF WITH CYLINDERS EXTENDED, MAY CAUSE OVERFLOW), leaks, damage, abrasion or abnormal wear.	Monthly by operator and biannually by local authorized dealer
Hydraulic hoses	Any abrasion, wear or damage. Routing to avoid any potential damage.	Monthly by operator and biannually by local authorized dealer
Vehicle undercarriage	Damage and excessive rust, reapply Rust prevention as necessary	Biannually by local authorized dealer
Tire damage, wear and pressure	Check for any signs of damage, uneven wear, and proper inflation	Monthly by operator

INSTALLING FACTORY SEAT

To install the original factory seat, position the seat into the correct location (driver or passenger) align the seat base tabs with the slots on the floor plate until the seat drops into place. Move the locking handle forward to lock the seat in position. Insert retaining pin to lock handle in place. Connect the seat plug if so equipped.



WARNING

When installing the original vehicle seat, insure that the seat base is correctly installed and that the locking latches are engaged. Failure to do this will allow the seat to move unexpectedly and possibly causing you to lose control of the vehicle. An unsecured seat will increase the likelihood of injury in a crash.

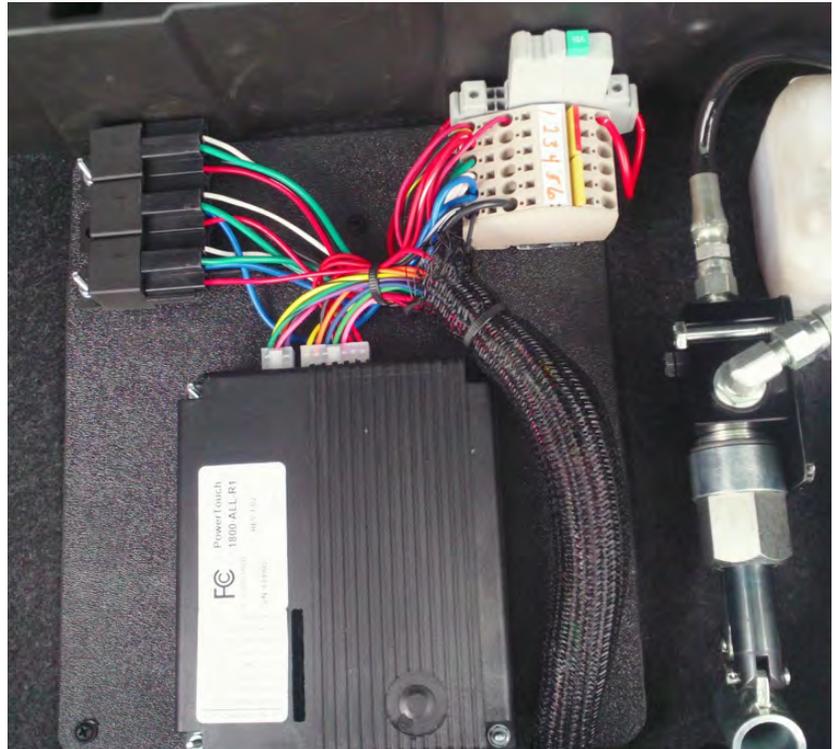


REMOVING FACTORY SEAT

Disconnect the seat plug if so equipped. Pull the locking pin to release the locking handle. Pull the handle to the rear to unlatch the seat base. Tip the seat slightly back to remove.

CONTROL PANEL

The Control panel is located in the rear cargo area and can be accessed for monitoring by lifting the rear cover. For repair or replacement of the control panel, contact your local ATC Dealer. LED lighting matches the indication label to identify what state the ramp and door operation is in. Push the blue breaker button IN to turn the ATC Control Board ON, depress to turn OFF. Control Board utilizes a sleep mode after non-use to save on battery draw even though it is minimal.



CIRCUIT BREAKERS

Located in the driver side C-pillar is a 250 AMP Mega Fuse protecting the hydraulic system motor and also a 20 AMP Auto Reset circuit breaker located with the control board. ***This wiring configuration must be maintained on OEM battery if an auxiliary battery is installed.***

A push button breaker that protects the control circuitry and the board is located on the control board assembly.

LIMIT SWITCH FUNCTION

Limit Switch's Purpose

Senses when the door is open or closed and the ramp is up so the next function can be started.

Location

There are 3 limit switches controlling the actuation of the door & ramp system. Each limit switch senses contact to signal end of stroke. The Door Close sensor is mounted on the inner side of the door at the B-Pillar hinge. The ramp up sensor is located below the forward ramp cylinder and contacts the flange on the bottom of the ramp. The door open sensor is mounted on the inner side of the door at the B-Pillar hinge.

Adjustment

Limit switch sensing distance should be adjusted by turning the jam nuts on either side of limit switch. Ensure there is no interference with motion of the door and the switch, and the limit switch is properly positioned for its function.

EMERGENCY EXIT

In the case of an emergency and the control system is not working, the door and ramp can still be operated to enable the operator to get out of the vehicle. This is only meant as an emergency procedure as minor damage to the vehicle can occur (scratches, etc) since it bypasses the computer sensors that limit movements. To do this, follow these steps:

1. Push button on release pin and hold until the gas strut pulls the pin completely out. This is located on the B-Pillar where the door opening actuator is connected to the pillar.
2. Pull the ring located in the center of the door, toward the rear, to release the door latch. The door can now be swung outward.
3. Pull the dump valve located on the rear pillar of the door and hold until the ramp is fully deployed. If the door is not fully open, the ramp extension may scrape the interior of the door as it deploys.



KEY FOB BUTTONS



ALWAYS START VEHICLE PRIOR TO OPENING OR CLOSING DOOR AND RAMP.

Key Fob Button Description

1. Press and hold the top button for the DOOR to OPEN and the RAMP to LOWER.
2. Press and hold bottom button for the RAMP to RAISE and the DOOR to CLOSE.



Ramp must not be lowered until door is fully opened. Damage may result in the ramp and door.



Door will not close with the ramp lowered.

Note: Unit can also be operated by the mechanical switch located on the rear pillar.

MANUAL HYDRAULIC PUMP OPERATION

Hydraulic hand pump can be used to operate the ramp in case of emergency or loss of battery power. Manual operation should not be used for daily operation of the hydraulic system.

In a situation where manual operation of the hydraulic system is necessary, first ensure electrical power to the system has been shut off, and all electrical controls are off by turning of the circuit breaker on the control panel.

To operate pump:

1. Ensure there is adequate hydraulic oil in the reservoir tank.
2. Ensure there are no objects or persons in the way of operating the ramp.
3. Insert handle for hand pump into pump handle receptacle. Located next to control board.
4. Operate pump and ensure the pump is building pressure (resistance to pumping) before operating any of the manual valves. It may take additional strokes of the hand pump to fully prime the system if it has not been used recently.
5. Select which hydraulic cylinder or operation you wish to move and select appropriate valve to operate. Do not operate more than one valve at a time.
6. Pull the appropriate red Pin while simultaneously operating the hand pump to move the cylinders while verifying safe motion of the ramp. The red Pin may be pulled out and turned clockwise to lock position so it does not have to be held while pumping.



Make sure to move Pin counterclockwise back to the original position before operation.



Pull the top red pin to actuate ramp up.



Pull the bottom red pin to actuate ramp down.

ELECTRONIC SHIFTER

The OEM transmission shifter has been replaced with an electronic version. The control panel for this is located on the cover where the OEM console was previously located. To shift gears, depress the brake and push and HOLD the button correlating to the desired gear. Observe the gear display on the dashboard and hold the button until the display indicates you are in the proper gear.

ATC MANUFACTURING, LLC LIMITED WARRANTY

ATC MANUFACTURING, LLC warrants to the original consumer that its products shall be free from defects in materials and workmanship for a period of three (3) years or 36,000 miles, whichever comes first. At its option, ATC will repair or replace at no charge any ATC product that proves to be defective within such warranty period. This warranty shall not apply if the ATC product has been damaged by unreasonable use, accident, negligence, service or modification by anyone other than ATC or its affiliates, or by any other causes unrelated to materials and workmanship.

Exclusions and Additional Limitations

This warranty relates to the condition of ATC MANUFACTURING at the time it is manufactured and does not cover parts or service as a result of:

- a) Any expense not pre-approved, in writing by ATC Manufacturing. Consideration will be given for emergency expenses when ATC Manufacturing can not be reached by calling **Service Department at (877) 291-6309**.
- b) Normal wear and tear or required maintenance
- c) Abuse including, without limitation: neglect, improper operation, misapplication, overloading, accident or alterations not approved by ATC MANUFACTURING.
- d) Lack of maintenance including, without limitation: failure to inspect and maintain, improper repair, use of parts not approved by ATC. All parts must be obtained from or approved by ATC MANUFACTURING.
- e) Damage caused in transit or as the result of the following:
 - i. Acts of God, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle
 - ii. Misuse of the vehicle such as overloading, racing or other off-road competition.
 - iii. Damage caused by failure to follow the recommended maintenance schedule intervals and/or failure to use or maintain fluids, fuel, lubricants, or refrigerants recommended in the vehicle's owner's manual.
- f) Customer modifications including but not limited to software changes, mechanical alterations or changes in the vehicle's center of gravity.
- g) **Surface rust and paint peeling** are **NOT** covered by warranty, however it is recommended that rust should be sanded and repainted to maintain structural integrity as a part of routine maintenance. Structural failure due to rust will be deemed as improper maintenance and not covered by warranty
- h) Rental vehicles are not a covered expense while vehicle is being repaired or serviced.

ATC MANUFACTURING will not be liable for any consequential damages, loss or expense arising in connection with the use of or the inability to use its goods for any purpose whatsoever. ATC MANUFACTURING'S maximum liability shall not in any case exceed the contract price for the goods claimed to be defective or unsuitable.

Products will be considered accepted by customer unless written notice to the contrary is given to ATC within ten (10) days of such delivery to customer. ATC shall not in any case be liable for any event occurring or defect discovered with regard to said product unless written notice thereof is given to ATC within thirty (30) days of such product delivery to customer.

ATC is not responsible for loss or damage to products owned by customer and located on ATC MANUFACTURING'S premises caused by fire or other casualties beyond ATC'S control.

ATC Dealers may offer services on credit accepting payment directly from ATC Manufacturing. However, in the event a dealer or service provider does not extend credit, **pre-approved services will have to be paid for by customer and submitted directly to ATC Manufacturing for reimbursement**. Approved expenses will be reimbursed by check and mailed within **30** days of receiving all materials deemed necessary by ATC Manufacturing.



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