



LENCO BEAR

OPERATORS MANUAL

LENCO
ARMORED ★ VEHICLES
Protecting Our Nation's Defenders™

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Table of Contents

| | |
|--|----|
| I Vehicle Basics | 3 |
| Starting | 3 |
| All Wheel Drive (4x4 Bear) | 3 |
| Battery Access | 4 |
| Battery Remote Jump Stud | 4 |
| Vehicle Main Power | 4 |
| II Electrical Options | 5 |
| Combustible Gas Monitoring System | 5 |
| D/C to A/C Power Inverter | 5 |
| Electric Power Winch | 6 |
| Exterior Red/Blue Lighting | 7 |
| Exterior Stationary Scene Lighting | 7 |
| Heated /Remote Rearview Mirrors | 8 |
| Heated Windshields | 8 |
| Intercom System; Inside to Outside | 8 |
| Interior Lighting | 9 |
| Light Bar Prep Option | 9 |
| On-Spot Tire Chains | 9 |
| Radiation Detection with External Detector | 10 |
| Radio Prep Option | 11 |
| Rear Auxiliary Heat/ Air Conditioning | 11 |
| Rear Blackout | 12 |
| Rear View Backup Camera | 13 |
| Roof Mounted Spot Lights | 13 |
| Siren / Public Address | 14 |
| Thermal Camera | 14 |
| Wig-Wag Lighting | 15 |
| III Mechanical Options | 16 |
| Ballistic Skip Round Shields | 16 |
| Door Hold Opens | 16 |
| Door Locks | 17 |
| Exterior Compartments | 17 |
| Folding Work Table | 18 |
| Gunports | 18 |
| Hood Prop Rod | 18 |
| Rear Wall Exterior Steps | 19 |
| Rescue Hatch Stand | 19 |
| Rotating Roof Hatch | 20 |
| Run Flat Tire Inserts | 20 |
| Rotating Front Passenger Seat | 21 |
| Scheduled Maintenance | 21 |
| Welding Precautions | 21 |
| Limited Warranty | 22 |
| IV Lenco Armored Vehicles Contact Information | 23 |

Bear Operation

I Vehicle Basics

Starting

Vehicle should have the Parking Brake set and the Electronic Gear Selector in neutral. Turn the ignition key one position to the right. The dash warning lights will illuminate and the tachometer and speedometer needles will sweep. The Intake Heater indicator will light and remain lighted for a few seconds. Turn the key to the right into the start position and release as soon as the engine starts. The Air Parking Brake will not release until the air pressure is above 65 psi. More information can be found in the Freightliner Business Class M2 Drivers/ Maintenance Manual in the ivory section.

All Wheel Drive (4x4 Bear)

The Electric Rocker Switches are located on the dash board to the right of the steering wheel. They are labeled “Front Axle” and “Transfer Shift”. The Front Axle is engaged by shifting the vehicle to neutral and putting the Front Axle rocker switch into the “IN” position, the switch will light up. At the Transfer Shift rocker switch select “HI” or “Low” range. The switch will light in low range only. The vehicle may need to be inched forward or backward for ease of shifting.

To disengage the Front Axle, stop the vehicle, shift to neutral, set switches to “Out” and “HI”, and inch forward until the transfer is complete. The vehicle is equipped with Safe-T-Shift to prevent accidental axle engagement while driving. The Safe-T-Shift will not allow engagement of the Front Axle or shifting between High and Low range until the vehicle slows to a predetermined speed. The shift may not occur until the vehicle moves from a complete stop.

Caution: The vehicle must be stopped to engage the front axle.



All Wheel Drive Switches



Transfer Case Caution Tags

Battery Access

There are three batteries located under the front driver side door. The top step is attached to a removable access cover for battery servicing. Unscrew six retaining bolts and remove the step and access cover as an assembly.



Battery Access

Battery Remote Jump Stud



The Battery Remote Jump Stud is located under the driver side front fender attached to the vehicle frame. It has a Red cover and is labeled Positive Jump Stud.

Battery Positive Stud

Vehicle Main Power

The Vehicle Main Power switch is clearly marked and located next to the driver seat base at floor level. The switch controls power to the Lenco installed Power Module and must be activated for the accessories to function. The switch should be deactivated when the vehicle is not in use to avoid accidental battery discharge. Caution: Due to the battery charge feature the D/C to A/C Power Inverter is not connected to this switch. The Inverter should be operated as outlined in **Section II Electrical Options**.



Main Power Switch

II Electrical Options

Combustible Gas Monitoring System

The Combustible Gas Detection System is made up of a Polytron IR Gas Transmitter located under the vehicle, a Trip Amplifier mounted inside the center console and an LED Light Display with Audible Alarm mounted on the console. Although the unit is capable of detecting several gases it is calibrated for **Methane Gas**. Whenever the main vehicle power is on the unit is activated. The display is set up using two LED lights and an audible alarm. The alarms are preset to function by measuring the LEL (Lower Explosive Limit) as a percentage of the gas being detected. Using 100% as fully combustible the display operates in the following manner: At 20% of LEL (Lower Explosive Limit) the High LED light is triggered. At 40% of LEL (Lower Explosive Limit) the High/High LED light and Audible Alarm is triggered. This gives the vehicle occupants advance warning before explosive concentrations are reached. The trigger points are preset and tested at the factory before delivery.
(Note: The Polytron IR Gas Transmitter mounted on a **Bear** is located behind the front bumper on the passenger side.)



Combustible Gas LED Display

For more information refer to the Drager Operation Manual # SC044453.

D/C to A/C Power Inverter

The D/C to A/C Power Inverter is mounted inside the vehicle under the rear bench and provides a 120 VAC receptacle with GFCI (Ground Fault Circuit Interrupt) protection. The unit is operated using an On/Off rocker switch mounted on the front panel.

The Power Inverter is equipped with a Battery Charge Feature that allows the vehicle batteries to be charged via an external 30 amp shore plug. The inverter does not need to be turned on for this feature to function. A 30 amp to 20 amp adapter is provided to allow the use of standard 120 VAC wall outlets for charging. Plug the adapter into the receptacle marked



D/C to A/C Power Inverter

When shore power is plugged in an internal transfer switch is activated which allows 120 VAC power to be supplied direct from the wall outlet to the 120 VAC receptacle located on the Power Inverter.

Caution: When shore power is disconnected and the vehicle is not in use the Power Inverter rocker switch must be in the “Off” position to avoid a power drain at the vehicle batteries.

For more information refer to the DC to AC Power Inverter Manual supplied with your vehicle.

“Shore Line 30 Amp Max” located on the exterior of the vehicle on the driver side. Using a heavy duty extension cord, plug into the adapter and into the 120VAC power supply, charging starts automatically. There is a Remote Temperature Sensor attached to the batteries which allows the unit to monitor the battery temperature to assure correct operation of the charge circuit. Battery state is indicated by lights on the front of the Power Inverter.



Shore Line Receptacle

Electric Power Winch

The Electric Power Winch is mounted in the front bumper. The top of the bumper is open to allow easy access to the control plug. Remove the weather cover on the control plug and mount the Winch Remote Control onto the plug. The Remote Control is indexed to fit only one way. The Control has a 12 ft. long cord with a handheld remote which uses a rocker switch to control the spool. Pictures indicate spool direction.



Electric Power Winch

A Red LED light is located above the rocker switch and will flash if the winch reaches a temperature that could result in damage to the motor. Current models are equipped with an LED Flashlight integrated into the Remote Control handle. When not in use the Remote Control should not be left plugged in. The spool drum clutch handle is located on the winch body opposite the control access plug. Engagement is indicated by decals and arrows. “Free Spool” releases the drum allowing the winch cable to be pulled out without the winch motor running. Always use the supplied Hook Strap to pull the cable by hand.

The use of heavy leather gloves is recommended whenever the winch cable is handled. “Engaged” couples the gear train allowing the winch cable to be controlled by the hand held Remote Control.

For **Safety** it is important to read and understand all, **Warnings Cautions, and Notices** referenced in the 16.5 ti Operators Guide P/N 68735 B1 and the Basic Guide to Winching Techniques P/N 62885 Rev A2 before attempting to operate the winch.

Exterior Red/Blue Lighting

There are eight LED lights mounted on the exterior of the Bear, six are positioned around the vehicle at roof level and two are mounted in the front brush guard. The switch marked “Front LEDs” controls the grill lights and the forward mounted lights on the left and right side. The switch marked “Rear LEDs” controls the four rear mounted lights. The vehicle main power must be on for the lights to function.



Exterior Blue LED w/Scene Light

Exterior Stationary Scene Lighting

Exterior Stationary Scene Lights are located on the exterior of the vehicle at roof level, one at each corner. The lights are controlled by switches located on the center console.

The Left Area switch controls both lights on the left side of the vehicle. The Right Area switch controls both lights on the right side of the vehicle. The vehicle main power must be on for the lights to function.

Heated /Remote Rearview Mirrors

The exterior Heated/Remote Rearview Mirrors are controlled by switches located on the center console. The joystick style switch labeled Electric Mirrors allows the operator to select between the left and right mirror by twisting the joystick. Using the same control the selected mirror can then be adjusted to tilt up/down or turn left/right. The Mirror Heat is controlled by a lighted rocker switch. The ignition key must be in the ON position for the mirrors to function.

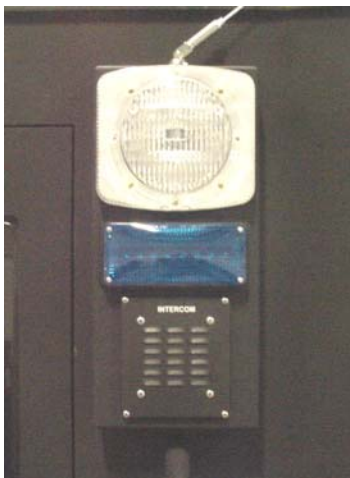
Caution: The Mirror Heat feature must be turned off manually. To prevent overheating, the system has an internal self regulator that lowers the amount of heat as the glass temperature rises.

Heated Windshields

The Heated Windshield Option is designed to reduce the amount of time necessary to De-Ice the exterior of the windshield. The vehicle main power must be “On” for the system to function. To operate the Heated Windshields, depress the switch on the center console marked “Front Defrost”, a Red LED light will illuminate to indicate that the feature is activated. The windshields will heat for 8 minutes and automatically shut off. The switch can be reactivated for another 8 minutes by depressing the “Front Defrost” switch a second time. At any time throughout the process the Windshields can be turned off using the same switch.

Intercom System: Inside to Outside

The two-way intercom system includes an Interior Master Station with volume and Push-to-Talk (PTT) controls and an Exterior Remote Station that is operated hands free. When the system is activated the remote station is always transmitting unless interrupted by a transmission from the master station. Vehicle main power and the console mounted intercom switch must be on for the system to operate. The interior master station is located in the rear of the center console and the exterior remote station is mounted outside the vehicle on the driver side. With the intercom switch activated outside noise can be heard through the interior speaker without opening the door. Adjust the volume using the knob located on the interior master station. Depress the Push-to-Talk (PTT) button, also located on the interior master station, to speak to the outside.



Exterior Remote Station



Intercom Master Station

Interior Lighting

The Interior Lighting is mounted along the upper edges of the interior walls. The lights are half Red and half White and are activated by pushing on the desired lens color. The vehicle Main Power must be on for the Interior Lighting to function.



Interior Light

Light Bar Prep Option

The Light Bar Prep Option includes a mount box that is welded to the roof of the vehicle. Removable exterior panels are mounted to the box with internal access holes through the roof armor to facilitate wiring installation. A breaker protected power circuit is located in the center console. One of the locations in the center console is left blank for installation of your light bar controls. The maximum width for a **Bear** light bar is **55** inches.

On-Spot Tire Chains

The Automatic Tire Chain System is an on-board, on demand traction system that gives the operator the same traction as a single set of conventional snow chains at the flip of a switch without exiting the vehicle. The System consists of a 12V electric switch mounted on the center console, an air solenoid mounted under the vehicle in the frame rail area, and a set of chain wheel assemblies mounted below the rear suspension u-bolts. Vehicle Main Power must be on for the system to function. An air solenoid supplies compressed air from the onboard vehicle air supply. The chain wheels have six lengths of chain spaced at 60 degrees apart on a rubber covered wheel.

The console mounted switch has a safety cover over the toggle switch and is marked “OnSpot”. To activate, flip the safety cover up revealing a lighted switch. A White light indicates the “Off” position and a Red light indicates “On” or deployed position. In the “On” position compressed air is fed to the chain wheel air chambers via the air solenoid. The chain wheels will then swing down and come in contact with the inside of the rear tires. The friction created by the spinning tire causes the chain wheels to rotate putting two lengths of chain ahead of the vehicle tires. The system functions in forward and reverse. Turning the console switch to the “Off” position allows the chain wheels to return to their resting position using return springs located in the air chambers.

Radiation Detection with External Detector

The Digital Radiation Detector consists of two parts, a Model 375 Digital Wall-Mount Monitor located behind and above the front passenger seat with an attached 44-2 Gamma Scintillator mounted inside the vehicle at the top edge of the passenger side windshield. A Pocket Survey Meter for hand held detection is also included.

Vehicle main power must be on for Model 375 Digital Wall-Mount Area Monitor to function. A Green Status Light will be displayed when the monitor is on. If the Green Status Light is not on, there is an additional power switch located on the left side of the wall unit. The Model 375 Wall Mount Detector measures the level of Gamma radiation and is calibrated in kcpm (thousand counts per minute). When the unit is activated an audible alarm will sound and a number will be displayed indicating the background radiation for your area. The Low Alarm is preset at 20 kcpm and is indicated by a Yellow light and a slow beep (1 per second). The High Alarm is preset at 50 kcpm and is indicated by a Red light and a fast beep (4 per second). If the Detector experiences an overload or instrument failure the Det Fail will be activated and is indicated by a Red light and an audible tone greater than 68 dB.



Digital Wall Monitor

A “Radiation Area” is equal to 2 mR/hr.

A “High Radiation Area” is equal to 100 mR/hr.

Rem (Roentgen Equivalent Man) relates the dose of radiation to the biological effect of that dose on human tissue.

R/hr = rem per hour.

mR/hr= millirem per hour or 1000 rem per hour.

cpm (counts per minute) the signal that indicates a radiation event has been detected.

kcpm (thousand counts per minute) Model 375 Digital Wall-Mount Monitor calibration.

175 kcpm= 1mR/hr

350 kcpm= 2 mR/hr “Radiation Area”

The Pocket Survey Meter 2401-P is a hand held device that measures alpha, beta, and gamma radiation in cpm and mR/hr.

Due to the complicated nature of Radiation Detection it is recommended that you read the instruction manuals provided with the Model 375 Digital Radiation Detector and Model 2401-P Pocket Survey Meter. The manuals outline the specific functions of each of the components. Section Six of the 2401 Pocket Survey Meter Manual gives an overview of radiation basics.

For more information contact Atlantic Nuclear at 800 878-9118 or Ludlum Measurements, Inc.

www.ludlums.com

Additional information and links can be found at the Center for Disease Control web site www.bt.cdc.gov/radiation

Radio Prep Option

The following components are part of the Radio Prep Option.

Max Rad 118-940 MHz ¼ wave Antenna mounted on the rear light box at roof level. The RG 58 antenna wire is run to the front of the vehicle via wire ways located along the upper interior walls. The antenna wire terminates inside the center console located between the front seats.

Keyed radio power utilizing a 20 amp automotive style push-in fuse is also located inside the console on the front left of the power module platform.

Rear Auxiliary Heat/ Air Conditioning

The Rear Heat/Air Conditioning unit performs best when operated in conjunction with the existing vehicle Climate Control System. The Front cab Climate Control Panel is located in the center of the dashboard and uses universal symbols as a guide for proper operation. Rear controls are located on the right side of the rear unit with switch functions listed at each position.

For Heat, set the front cab Air Selection Switch to the desired level, adjust the Temperature Control Switch to the Red zone, and select the fan speed. At the Rear Unit, set the toggle switch to Heat, pull the Damper Actuator Knob out and select the fan speed.



Rear Heat/Air Conditioning Unit



Rear Fan Control

Set the Rear Air Conditioner to A/C, push the actuator knob in, select the fan speed, and turn the Temperature Control clockwise to adjust air temperature.

More information about the cab Climate Control System can be found on page 6.1 of the Business Class M2 Driver Manual.

For Air Conditioning, turn the front cab Air Selection Switch to the left (Blue Zone) to set the air flow, adjust the Temperature Control Switch to the Blue zone, and select the fan speed. For optimum cab cooling push the Recirculation Switch located between the Fan Control and the Air Selection Switch. A Recirculation Indicator light will illuminate.



Rear Heat/AC & Temperature Control

Rear Blackout

The switch for the Rear Blackout is labeled and located on the center console. Activating the switch will disable the backup lights, the backup alarm and the brake lights. For full Blackout all other lighting will need to be shut off using their individual function switches, including Headlights, Taillights, Running lights and Wig-Wags.

Caution: This system is for Tactical Operations Only. Operating the vehicle in Rear Blackout mode may be hazardous to other drivers who are behind you.

Rear View Backup Camera



Security Rear View Mirror



Rear View Camera

The optional Rear View Backup Camera has a display that is integrated onto the existing rear view mirror. Half of the unit is a video display and the other half is a rear view mirror. The display is activated when the vehicle is on and the gear shift selector is in reverse.

The camera can be put into a constant “on” mode by utilizing the remote control that comes with the system. Turn the remote control power on and push source. The display will go to AV2 and stay on until the ignition key is cycled.

For more information refer to the following owners manuals: LBM-S5000 (Security Rear View Mirror) and VAC-RV7000 (Rear View Camera).

Roof Mounted Spot Lights

The Roof Mounted Spot light is a permanently affixed searchlight. Common locations are at the corners of the vehicle roof. The light is controlled by a 4-way joystick/power switch located on the center console. Vehicle main power must be on for searchlight to function. Activate the toggle switch at the light controller, a Red LED indicates the light is on. Rotate the light up to 370 degrees horizontal and 135 degrees vertical using the 4-way joystick. If you have multiple lights, each roof location is indicated on the individual controller.



Roof Mounted Spot Light

Siren / Public Address

The Siren P/A consists of an Amplifier mounted inside the center console, a Control Head mounted on the center console and two 100 amp. Speakers mounted behind the front bumper. Main vehicle power must be on for the system to function. Unit power is controlled by a rocker switch on the control head. The various modes are well marked and have back lighting for easy readability. The primary operating modes are Phaser (PHSR), Yelp, Wail, Hands Free (HF), Manual (MAN), Alert, and Radio.

The operating modes can be selected by using the rotary selector switch. Turning the switch to Phaser, Yelp, or Wail will result in distinct tones being continuously emitted from the speakers. Manual is a silent mode that allows manual operation of the siren, the output will *wind down* after the MAN switch is released.

Alert is also a silent mode that allows manual operation of the siren, the output will *terminate immediately* when the MAN switch is released.

Hands Free can be wired through an AUX input such as the vehicle horn or other switch.

This would allow the operator to cycle through Wail, Yelp, Phaser, and Manual by pushing the vehicle horn. Operating any other switch resumes normal operation.

Radio is a function that amplifies a radio speaker input for re-broadcast outside the vehicle through the siren speakers.

For more information refer to the SS730 Siren Amplifier Instruction Manual supplied with your vehicle.



Siren/Public Address Control

Thermal Camera

The Thermal Camera is mounted on the right hand side of the vehicle. The camera control joy stick is attached to the center console inside the vehicle and is removable. There is approximately 5 feet of control wire to allow ease of movement throughout the front of the cab. The power switch is located on the same control.

(Note: Vehicle main power must be on to operate camera.)



Thermal Camera

The monitor is located above the windshields centered between the sun visors. Activation is controlled by the right hand button. Toggling between AV1 and AV2 is also controlled by the right hand button. AV1 is Infrared and AV2 is color picture. Picture adjustment is accomplished using the second button from the right to access adjustment options and using the left and right arrows to change color and orientation. A remote control is also provided and controls the monitor functions only.



Camera Monitor



Camera Control

Once the system is powered up, push the camera control joystick forward until the camera rolls fully forward. Left, right, up and down are controlled by the joystick. To stow the camera, pull the joystick fully back until the lens travels vertical and stows within the unit. (Note: Two blurred white lines will show across the monitor helping to indicate the lens location.) When the lens has stowed turn off the power to the monitor and the joystick. The camera body will automatically turn toward the rear.

For more information consult the EMX5000 Operations Manual # DCR04015.

Wig-Wag Lighting

Wig-Wag Lighting is controlled by a rocker switch located on the center console. Activate the switch marked Wig-Wag. The front headlights and rear tail lights including the reverse lights will then flash alternating from side to side. Vehicle Main Power must be on for this feature to function. During Rear Blackout Mode this system must be manually shut off.

III Mechanical Options

Ballistic Skip Round Shields

The Ballistic Skip Round Shield is made of a Kevlar material and provides protection to NIJ Level 3A. The Shield is designed to be hung from the running boards of the vehicle to prevent stray rounds from “skipping” under the truck during an operation. The design also allows the shield to be utilized as a stretcher in an emergency. The Ballistic Skip Round Shield is stowed in the rear exterior compartment.



Ballistic Skip Round Shields (installed)

Door Hold Opens



Door Hold Open (engaged)

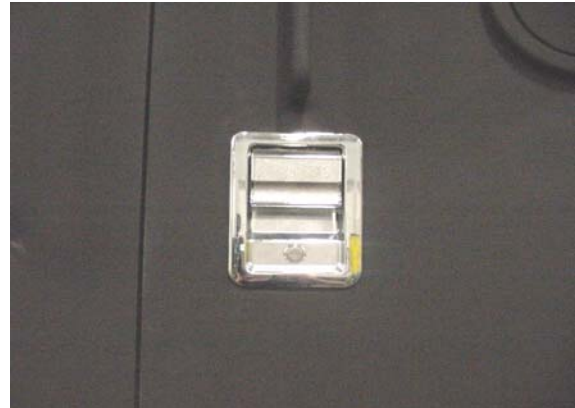
The spring loaded Door Hold Open is built into the lower part of the side door and the two rear doors. Fully open the door and engage the Door Hold Open by lifting the black handle up and sliding the handle toward the inside of the vehicle. When the slide is fully deployed push the black handle down to lock into place. The spring loaded Door Hold Open is disengaged by lifting the black handle, the spring will assist in carrying the handle to the stowed position. Push the handle down to secure it in the stowed position.

Caution: It is not recommended that the vehicle be operated with the doors in the locked open position.

Door Locks



Interior Door Handle



Exterior Door Handle

The Door Locks are locked/unlocked using a key on the exterior side and a small red lever on the interior side of the lock. The door latch is released by lifting the door handle up. At the rear doors the right door must be opened first. The left door can then be opened by releasing the interior door handle. All Doors have door stops on the outside.



Battle Bolts

During an operation the doors can be secured from the inside using the red handled “Battle Bolts” located separate from the door handles at the latch side of the door. With the door closed, turn the red handle 90 degrees to engage the spring loaded Battle Bolt. The bolt can be returned to the unlock position by pulling the red handle back and turning 90 degrees.

Exterior Compartments

The vehicle has three lighted Exterior Compartments. The first is located on the driver side. The second and third are interconnected with access doors at the left and right rear quarter panels. All compartments are lockable and have an additional shelf for storage. The interconnected design of the two rear compartments allows a place to stow the optional Skip Round Shield. Each compartment is equipped with a push button activated light. The Vehicle Main Power must be On for the light to function. The doors are fitted with a system to assist with the opening and closing of the compartments.

Folding Work Table

Located behind the front passenger seat, the Folding Work Table is raised into position by lifting up past the center point allowing the internal latches to rotate into place. To stow the Table pick up past center and fold down.

Gunports

The Gunports are firing positions located throughout the vehicle. Common locations include; one each in the front and rear doors, three per side wall, and one in the hatch lid. The Gunports are opened by pushing out on the spring loaded actuating handle and turning clockwise.

To close, rotate the actuating handle counter clockwise 180 degrees. As the handle is rotated the spring will pull the Gunport closed.



Gunport

Hood Prop Rod

The Hood Prop Rod is a safety device designed to assist in holding the ballistic hood open. Open the hood by pulling the Hood Release located inside the vehicle at the driver side kick panel. Go to the front of the vehicle and release the secondary latch located on the underside of the hood at the center. The hood pistons will assist in lifting the ballistic hood. Once the hood is fully open swing the Prop Rod into place. When closing, return the Prop Rod to its original stowed position in the retaining clip.



Rear Exterior Step

Rear Wall Exterior Steps

The Rear Wall Exterior Steps located on the back of the vehicle fold down to create access up onto the roof. When not in use the spring loaded step can be stowed in an upright position

Rescue Hatch Stand

The Rescue Hatch Stand in a Bear is integrated into the rear air conditioning guard and the driver side rear bench. Pull the Red handled platform lock located on top of the rear air conditioning guard out and turn 90 degrees to secure in an “Unlocked” position. Flip the platform 180 degrees.



Rescue Stand Stowed



Rescue Stand Open

Step onto the bench and up onto the platform that has been created on top of the air conditioning guard. There is an additional fold up step located on the wall directly above the guard. The platform can be stowed by reversing the procedure.

Always lock the platform in place when it is in the stowed position.

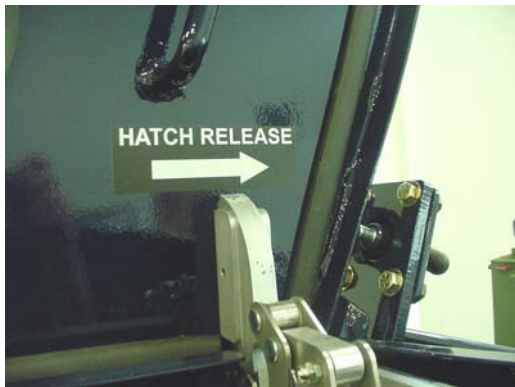
Rotating Roof Hatch



Rotary Latch

The roof mounted Rotating Hatch can be opened by releasing the rotary latch and pushing up on the hatch lid. The Counter Balance hinge system allows the ballistic lid to be lifted with one hand. In the fully open position the hatch lid will “Lock Open”. The Roof Hatch can be rotated by depressing the secondary Red handle on the rotation gear lock and pulling the handle toward you. Manually rotate the hatch to the desired location and engage the gear lock. A Gunport is located in the hatch lid. Push the Gunport handle and turn to open the port. There is an aluminum rain cover attached to the outside of the Gunport which can be removed by simply pulling on the edge. The cover

should be removed and stowed in the vehicle during an operation. The hatch lid can be closed by pulling the “Hatch Release” located on the right side of the lid as indicated by the label. Before driving it is recommended that the rain cover be installed on the outside of the Gunport. The lid should be in the down and locked position with the rotation gear lock engaged.



Hatch Open Lock



Rotation Gear Lock

Run Flat Tire Inserts

The Run Flat Tire Insert is a polymer device designed to provide flat tire mobility in the event of tire air loss. The insert is secured around the drop center of the stock rim. The Run Flat is made of a composite material that reduces friction and heat build up. The interior of the tire crown is coated with a lubricant to further dissipate heat when Run Flat is in use. Although the rims are marked with a sticker indicating that a run flat insert has been installed, it is important to alert your servicing technicians about the Run Flat Insert to avoid damage during tire changes. Insert installation tools can be obtained by contacting the Lenco Industries Parts Department.

Rotating Front Passenger Seat

The Front Passenger Seat can be rotated 180 degrees. Seat positioning is accomplished while standing to the left of the seat. Release the slide adjustment handle located under the seat cushion and move the seat to the rear most position. Release the rotation lock handle located to the right of the seat cushion and rotate the seat clockwise. The seat will lock at each 90 degree position. When locked facing rear use the lap style safety belt.

Scheduled Maintenance

The scheduled maintenance is outlined in the Freightliner Business Class M2 Driver's/ Maintenance Manual in the white section 00 General Information. Use Schedule I for a guide. Engine hours rather than miles should be used to determine maintenance intervals.

The Engine Hour Meter is accessed by using the Mode/Reset Switch located on the right side of the instrument cluster. The Mode/Reset Switch is used to scroll through displays on the message display screen, and to reset the trip distance and trip hour values to zero.

All operators should use the Driver's Manual for routine maintenance and pre-trip inspection information.

Welding Precautions

It is recommended that Technical Services be contacted at 800 444-5362 before any welding or cutting operation is undertaken. Electronic equipment damage can occur.

LENCO ARMORED VEHICLE LIMITED WARRANTY

As used in this Limited Warranty, “Vehicle” means any Lenco armored vehicle; “you” and “your” means the purchaser of a Vehicle from Lenco Industries, Inc. or an authorized Lenco distributor; and “we”, “us” and “our” means Lenco Industries, Inc.

Lenco-Manufactured Components. We will pay for repair or replacement of Vehicle components manufactured by us which prove to be defective within three years after the original purchaser of the Vehicle received delivery of the Vehicle from us or an authorized Lenco distributor, except that we will not be responsible for (i) any damage to the Vehicle or any component of the Vehicle caused by negligence, misuse, alteration or accident or (ii) normal maintenance of the Vehicle or any component of the Vehicle. To be eligible for such warranty coverage, you must follow the Procedures for Submission of Warranty Claims and Authorization of Warranty Work set forth below.

Components Manufactured by Others. If any component of the Vehicle (i) was manufactured by any person or firm other than us and (ii) is the subject of a written warranty by such other manufacturer, we will assist you in submitting to the manufacturer of any such component claims that such component proved to be defective during the applicable warranty period specified in the manufacturer’s written warranty. Copies of all written warranties given by the manufacturers of parts or components of the Vehicle manufactured by persons or firms other than us will either be furnished to you at the time of delivery of the Vehicle or are available upon written request to us at 10 BETNR Industrial Drive, Pittsfield, MA 01201.

Procedures for Submission of Warranty Claims and Authorization of Warranty Work. Except as otherwise specified below, warranty repairs or replacements for our components may be made by either an authorized Lenco service center or any repair shop mutually acceptable to you and us; in either case, the service center or repair shop must (i) contact us before any repair or replacement is undertaken and (ii) receive our written approval of the repair or replacement and the service center’s or repair shop’s charges for such repair or replacement. Requests for our approval should be directed to Warranty Department, Lenco Industries, Inc., 10 BETNR Industrial Drive, Pittsfield, MA 01201. We may also be reached at Tel. (413) 443-7359; Fax (413) 445-7865; email warranty@LencoArmor.com. We reserve the right in any particular instance to require that repair or replacement of our components be performed either at our factory in Pittsfield, Massachusetts or at an authorized Lenco service center. You are responsible for freight or other transportation costs to and from our factory, an authorized Lenco service center or a repair shop performing repairs or replacements under this warranty.

Exclusion of Other Warranties. This warranty is in lieu of all other warranties, express or implied, and, in particular, we make **NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

Limitation of Remedies and Damages. Our repair or replacement of our components and assistance with the submission of warranty claims to manufacturers of components not manufactured by us, all as specified above, is your exclusive remedy for any and all claims against us, whether based on warranty, contract, tort, negligence, or any other theory. We are not liable for any incidental or consequential damages resulting from any defect in the Vehicle (including, without limitation, personal injury, loss of revenue, loss of anticipated profit, or any other loss or damage).

IV Lenco Armored Vehicles Contact Information

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