



LENCO BEARCAT OPERATORS MANUAL

LENCO
ARMORED VEHICLES
Protecting Our Nation's Defenders™

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BearCat Operation

I Vehicle Basics

Engine Starting (Diesel)

Vehicle should be in Park with the Parking Brake set. Rotate the key forward one position. The warning systems will momentarily illuminate. Wait for the glow-plug pre-heat indicator light to go out, vehicle is ready to start. Turn the key to the start position and release as soon as the engine starts. More information can be found in the Ford Power Stroke Owners Guide Supplement.

Four Wheel Drive System

Using **Manual Shift on Stop (MSOS)**

The 4WD system is engaged or disengaged by rotating the control for both front wheel hub locks from the FREE or LOCK position, then manually engaging or disengaging the transfer case with the floor-mounted shifter. For increased fuel economy in 2WD, rotate both hub locks to the FREE position. A “4x4” indicator light will illuminate when the floor mounted shifter is engaged with an additional indicator light illuminated in “LOW RANGE”.

Note: Some noise may be heard as the 4WD system shifts or engages. This is normal.

2H (2WD High) For general on-road driving. Sends power to rear wheels only.

4H (4WD High) For winter and off-road conditions. Sends power to front and rear wheels.

N (Neutral) Only used when towing the vehicle.

4L (4WD Low) For low speed off-road applications that require extra power.

Shifting from 2H (2WD High) to 4H (4WD High)

Engage the locking hubs by rotating the hub lock control from FREE to LOCK, then move the transfer case lever from 2H (2WD High) to 4H (4WD High) at a vehicle speed below 3 mph. DO NOT shift into 4H with the rear wheels slipping.

Shifting from 4H (4WD High) to 4L (4WD Low)

1. Bring the vehicle to a complete stop.
2. Place the gearshift lever in N (Neutral)
3. Move the transfer case shift lever through N directly to 4L. If the shift lever does not or only partially moves to the 4L position, perform a shift with the transmission in N and the vehicle rolling at a speed below 3 mph. This will ensure the transfer case is fully engaged into 4L.

Shifting from 4L (4WD Low) to 4H (4WD High) or 2H (2WD High)

1. Bring the vehicle to a speed below 3 mph
2. Place the gearshift lever to N (Neutral)
3. Move the transfer case shift lever through N (Neutral) directly to 4H or 2H
4. If the transfer case **will not** engage into 4H or 2H, let the vehicle creep at a speed above 1 mph then repeat steps 2 and 3.
5. If shifting to 2H with the vehicle at a complete stop, disengage the locking hubs (optional) by rotating the hub lock control from LOCK to FREE.

Using the N (Neutral) position

The transfer case neutral position overrides the transmission and puts the vehicle in neutral regardless of transmission gearshift lever position. The vehicle can now move forward or backwards.

This position should only be used when towing the vehicle.

Note: For more information consult the Ford Owners Manual supplied with your vehicle.

Four Wheel Drive System

Using **Electronic Shift on the Fly (ESOF)**

The system is equipped with Auto-Manual hub locks. Automatic operation of the hub locks is recommended, and will increase fuel economy. Turning the hubs to “Lock” will manually override the Auto-Manual System.

Note: Some noise may be heard as the 4WD system shifts or engages. This is normal.

The Four Wheel Drive engagement control is located to the right of the steering wheel on the dash board.

2WD – For general on-road driving. Sends power to the rear wheels only.

4x4 HIGH – For winter and off-road conditions. Sends power to front and rear wheels.

This mode is not intended for use on dry pavement.

4x4 LOW – For low-speed off-road applications that require extra power such as steep grades, deep sand or pulling a boat out of the water. Sends power to front and rear wheels. **This mode is not intended for use on dry pavement.**

Shifting from 2WD to 4X4 HIGH

Rotate the 4x4 control to the 4x4 HIGH position at speeds up to 55 mph (88 km/h).

Shifting from 4x4 HIGH to 4x4 LOW

1. Bring the vehicle to a complete stop.
2. Depress the brake.
3. Place the gearshift in N (Neutral). If the vehicle is equipped with a manual transmission, also depress the clutch pedal.
4. Move the 4x4 control to the 4x4 LOW position.
5. Hold the shift conditions until the 4x4 LOW indicator light illuminates.
6. If the 4x4 LOW indicator light **does not** illuminate within 15 seconds, allow the vehicle to move at a speed below 5 mph (8 km/h), then repeat steps 2 through 5 while the vehicle is rolling before reporting any shift concerns to your authorized dealer.

Shifting from 4x4 LOW to 4x4 HIGH or 2WD

1. Bring the vehicle to a complete stop.
2. Depress the brake.
3. Place the gearshift in N (Neutral).
4. Move the 4x4 control to the 4x4 HIGH or 2WD position.
5. Hold the shift conditions until the 4x4 LOW indicator light shuts off.
6. If the 4x4 LOW indicator light **does not** shut off within 15 seconds, allow the vehicle to move at a speed below 5 mph (8 km/h), then repeat steps 2 through 5 while the vehicle is rolling before reporting any shift concerns to your authorized dealer.

Note: For more information consult the Ford Owners Manual supplied with your vehicle.

II Electrical Options

Auxiliary Ford Switches

The Auxiliary Ford Switches are dash mounted and are located to the right of the steering wheel. All switches are tagged for easy identification. The four switches are “keyed hot” and control the following options.



Elevated Idle Control allows the vehicle to “idle up” while it is in a stationary position. The vehicle gear shift selector must be in PARK with the Parking Brake set. Flip the left switch up. A light will come on to indicate the switch is activated. The engine idle will increase to 1200 RPM. The Elevated Idle Control can be deactivated by releasing the Parking Brake, stepping on the brake pedal or flipping the auxiliary switch down into the off position.

Driving Lights are controlled by the second switch from the left. Flip the lighted switch up to activate. The lights are integrated into the front bumper.

Note: The additional switch locations are not in use but are available for future accessory installation.

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.



Combustible Gas LED Display

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 **BearCat** is located under the vehicle on the driver side ahead of the rear wheels.)

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

D/C to A/C Power Inverter



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 “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.

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 the vehicle.



Shore Line

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 hand-held remote which uses a rocker switch to control the spool. Pictures indicate spool direction. 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.



Electric Winch

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 four LED lights mounted on the exterior of the BearCat. Two are mounted in the front grille guard and two are positioned above the rear doors. The control switches are located in the center console. They are labeled “Front LEDs” and “Rear LEDs”. Vehicle main power must be on for the lights to function.

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.



Master Station



Remote Station

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.

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

The Light Bar Prep 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 **BearCat** light bar is **45** inches.

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 back round 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 is located inside the console on the power module. A 20 amp breaker is labeled “Radio Power” on the power bus “A” column.



Rear Heat/A/C Control

toggle switch and set the desired fan speed. For optimum cooling the Front vehicle Air Conditioner must be set to **MAX A/C**.

Rear Auxiliary Heat/ Air Conditioning

The Rear Heat/ Air Conditioning Unit runs tandem with the existing vehicle Climate Control System. Front and rear controls are located on the dashboard to the right of the steering wheel.

For Heat set the vehicle front Temperature Control to Hot, set the blend to Heat or De-frost and select the desired fan speed. Locate the Rear Control, select Heat using the toggle switch and set the desired fan speed.

For Air Conditioning set the vehicle front Temperature Control to cool set the blend to **MAX A/C** and select the desired fan speed. Locate the Rear Control, select A/C using the

Rear Blackout

Controlled by a switch located on the center console. Activation of the Rear Blackout switch will shut off the rear brake lights, and reverse lights including the optional backup alarm. A console mounted LED with an audible beeper reminds the operator that the system is activated. 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. Vehicle main power must be on for the Blackout System to function.

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

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.



Rear View Camera



Rear View Mirror/Screen

Turn the remote power on and push source. The display will go to AV2 and stay on until the 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 header between the sun visors. Vehicle main power must be on for searchlight to function.



Roof Mounted Spot Light



Spot Light Control

Activate the toggle switch at 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.

Siren / Public Address

The Siren P/A consists of an Amplifier mounted under the driver seat, a Control Head mounted in 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.



Siren P/A

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

Thermal Camera



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.)

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.

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.



Monitor



Camera Control

Wig-Wag Lighting

Controlled by a switch located on the center console labeled “Wig-Wag.” When activated the front headlights and rear tail lights including the reverse lights will flash alternating from side to side. Vehicle main power must be on for this feature to function.

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 Shields are stowed in the vehicle and can be utilized as stretchers if needed.

Door Hold Opens



Door Hold Open



Door Hold Open locked

The Door Hold Open allows the rear doors to be latched in the fully open position. Open the door until the door stop is engaged and rotate the latch located above the door to the lock position. BearCats that have rear hinged front doors have the same system for holding the front doors open.

Door Locks

The Doors can be locked from the outside using the key. The Doors cannot be opened from the inside when they have been locked from the outside. The operator should unlock all doors before proceeding to an operation.

The interior door locks (Battle Bolts) are located at each door and have Red handles. Turn the handle 90 degrees and the lock will slide into place. The doors cannot be opened from the outside with the Battle Bolts engaged.



Interior Latch w/ Battle Bolt

Gunner Stand (Military)



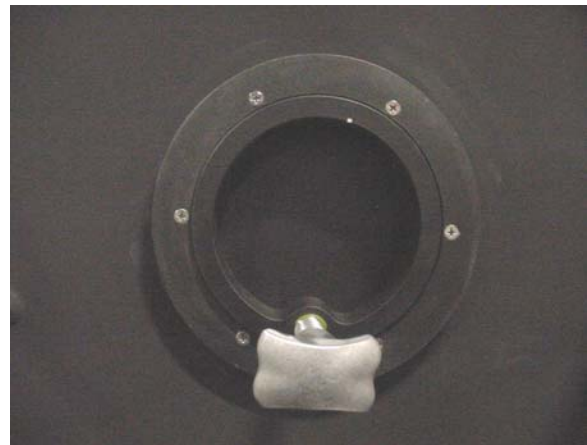
Military Gunner Stand

The Gunner Stand is bolted to the center of the vehicle floor below the hatch. The Gunner stand height can be adjusted to two predetermined locations by lifting up on the two hand holds in the platform. The platform will lock with an audible click at the first location. Continue to lift and the platform will lock with an audible click in the top position which is approximately fourteen inches above the vehicle floor. The Gunner Stand can be returned to the lower location or to the fully closed position by grasping the release pins located on the sides of platform and pulling out as the stand is guided to the lower positions. When the Gunner Stand is up always ensure that the locks are engaged before weight is put on the platform.

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.

Rescue Hatch Stand (Police)



Rescue Stand Stowed

The Rescue Hatch Stand is located behind the front Passenger seat. In the stowed position it serves as an additional seating location. The Hatch Stand is hinged and can be deployed by releasing the Red handled lock located on the left side.



Rescue Stand Deployed

Lift the Stand up and pivot toward the center of the vehicle. Reverse the procedure to stow the stand in its original position. Assure that the lock is engaged.

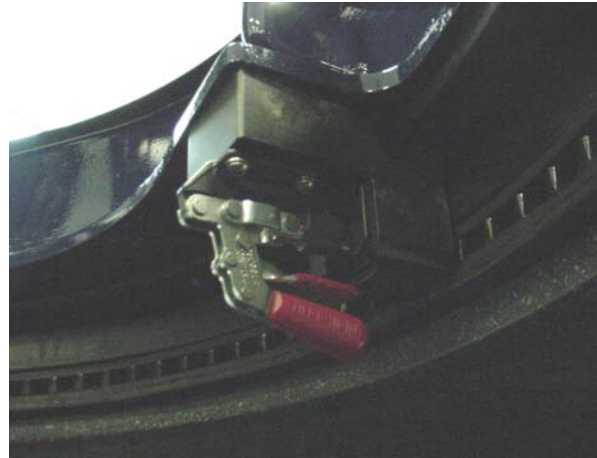
Rotating Roof Hatch (Police)



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.



Rotation Lock



Hatch Lock

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 is installed on the outside of the Gunport. The lid should be in the down and locked position with the rotation gear lock engaged.

Rotating Roof Turret (Military)

The Rotating Roof Turret provides a protected gunner position out the top of the vehicle. The hatch is opened from inside the vehicle by releasing the rotary latch. The Counter Balance hinge system allows the ballistic hatch lid to be lifted with one hand. In the fully open position the hatch will "Lock Open". A crew served weapons mount is located on the front of the Rotating Roof Turret. The Turret position can be changed by depressing the secondary Red handle on the rotation gear lock and pulling the handle toward you to unlock the gear. Use the Turret Gear Rotation handle located to your left outside the hatch to change the orientation of the Turret. The Roof Turret will spin 360 degrees and lock in any position. It is recommended that the Turret Gear Rotation Lock be engaged when firing a weapon from the platform.



Military Turret

Run Flat Tire Inserts

The Run Flat Tire Insert is 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 Parts Department.

Scheduled Maintenance

The scheduled maintenance is outlined in the Ford Scheduled Maintenance Guide included with your vehicle. The Special Operating Conditions section of the guide should be used. Due to the tendency for extensive engine idling; it is recommended that the total hours be used in conjunction with total mileage as a guide for vehicle maintenance and service intervals.

The Engine Hour Meter is accessed by pushing the Select / Reset button located on the gauge face to the right of the steering wheel. Pushing the button toggles through the total miles, trip miles, and engine hours.

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

Company Headquarters

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