



## SOLE SOURCE SPECIFICATIONS

Lenco Industries, Inc.  
10 Betnr Industrial Drive  
Pittsfield, MA, 01201  
E-mail: [Contracting@LencoArmor.com](mailto:Contracting@LencoArmor.com)  
Phone: 413-443-7359

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**RE:** Sole Source Specifications for the Lenco BearCat

### Lenco BearCat Key Features, Testing and Certifications

#### Armor Protection

- Armor Panels constructed of Certified Mil-Spec Steel
- Vertical Armor Panels are .50 inch thick, one-piece solid construction from the front of the vehicle to the rear of the vehicle
- Gunports and all surrounding armor protection, including backup armor, is .50 inch thick.
- Proprietary welding technique utilized in sidewall, floor and roof construction
- Armored hood, radiator protection, fuel tank, exterior lighting armor backup, inner fender armor, door and window pocket armor backup
- Department of the Army, U.S. Army Aberdeen Test Center – Ballistic Certification for armor plate used in every BearCat manufactured
- Independent Third-Party Testing to the following threats / ballistic standards: EN 1063 BR7, NIJ IV, STANAG 4569 Level 2, .50 CAL M2 Multi-Hit, .50 CAL M33 Multi-Hit, DM51x2 Hand Grenades, DM31 Anti-Personnel Mine, M67x2 Hand Grenades, 20mm FSP, V50 (BL) P Ballistic Test

#### Mobility & Automotive Safety

- 126" – 131.5" Wheelbase
- Custom-tuned suspension, including shocks, springs, bump stops, front and rear sway bars, track bar and radius arms
- Proprietary OEM Frame-to-Body construction
- Department of the Army, U.S. Army Aberdeen Test Center, Aberdeen Proving Grounds – Automotive Performance Testing to the following standards:
  - Test Operating Procedures (TOP)
  - North Atlantic Treaty Organization (NATO) Reference Mobility Model (NRMM)

### Designer and Manufacturer of Tactical Armored Security Vehicles

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- NATO Allied Vehicle Testing Publication (AVTP)
  - Society of Automotive Engineers (SAE)
- Human Factors Integration - Safety Assessment Review (SAR)
  - Fort Knox, KY
  - Fort Belvoir, VA
- National Highway Transportation Safety Administration (NHTSA), Office of Vehicle Safety Compliance (OVSC), Federal Motor Vehicle Safety Standards (FMVSS) Compliance Testing
  - Center of Gravity Test
  - FMVSS 105 – Hydraulic Brake Test
  - FMVSS 206 – Door Locks and Door Retention Test
  - FMVSS 207 – Seating Systems
  - FMVSS 210 – Seat Belt Anchorages
  - FMVSS 302 – Flammability of Interior Components
- National Tactical Officers Association (NTOA), Member Tested and Recommended Certification
  - 2003 Certification
  - 2020 Re-Certification
- U.S. Air Force Air Transportability Test Loading Activity (ATTLA) – Air Transportation Certification
  - Lockheed C-5 Galaxy
  - Boeing C-17 Globemaster III
  - Lockheed C-130 Hercules

## **Tactical Features**

- Patented, zero gravity counter balanced & rotating roof hatch system
- Height-adjustable gunner stand with removable / serviceable design - *US Patent No. 11,561,060 B1*, granted to Lenco on 01/24/2023
- Automatic Door Lock-Out (side doors) with single tap release
- Welded Running Boards rated to hold 3,000 lbs. at each side & 2,500 lbs. on rear
- Occupant situational awareness
- 390 square feet of interior space
- 2-Piece Bumper-integrated hydraulic entry bars with attachments for Audio / Video, Chemical Deployment, and Water Deployment
- Roof Mounted Water Nozzle with internal joystick controls
- Bumper Mounted Water Nozzle with internal joystick controls
- Vehicle-Integrated On-Board SCBA System
- Tactical EMS interior layout, workstation, medical cabinet, oxygen storage and trauma lighting
- 68 Gallon Single Fuel Cell
- 40" Water Fording Package with Independent 3<sup>rd</sup> Party Testing

## **Service, Reliability & Interoperability**

- Commercial Chassis common to government fleet
- Commercial Chassis Warranty and Service history at nearly 130 Authorized Ford Service Centers across the United States

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- Ford OEM Warranty
- 3 Year Lenco Warranty
- Operational and Support Cost: Average cost of \$558 USD per 10,000 miles of operation
- Reliability, Availability and Maintainability (RAM): 24,906 mean miles between repair, 1.3 hours mean time to repair and 98% operational readiness
- Interoperability with hundreds of federal, state and local law enforcement agencies across the United States; reduces training cost and limits response time in joint operations
- Lenco Refurbishment Program – (4) individual ‘Schedules’ of refurbishment work that address Ford chassis components, Lenco components, paint and upgrades.
- Lenco Trade-In Program – End-of-Life vehicles can be traded-in to Lenco for value against the acquisition of a new or used model vehicle.

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