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شركة الوفاء الدولية
 AL WAFI INTERNATIONAL CO.



Prowler

Light Tactical All Terrain Vehicle

Purpose-Driven Design



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Phoenix International commercially introduced the industry's first "quad" ATV with rack and pinion steering (no handlebars), automotive controls and a roll cage (now popularly called a Roll over Protection Systems, or ROPS) in June 2002. An adaptation of this unique concept was made by a single recreational ATV manufacturer late in 2004 followed by others in 2006.

The Prowler LTATV platform is not a recreational vehicle nor was it ever conceived as such. It is a platform purposely designed as a commercially available vehicle to provide users with reliable performance and endurance in the most demanding, inhospitable and harsh terrain encountered. And, to operate under conditions encountered in any climate or environmental circumstance. There is no other in the "LTATV" class of vehicle that even approaches the quality and performance characteristics of the Prowler's COTS structural design, the materials and method of its construction or its functional components.

The design concept of the Prowler provides an easily configurable, robust platform to satisfy a broad range of specific application requirements. This configuration versatility in a commercial off the shelf (COTS) platform makes it an ideal light tactical platform solution for military missions in ISR, Mobile Communications,



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Assault, or SAR as well as its similar domestic security patrol and ERV (Emergency Response Vehicle) Wildfire and Rescue applications.

Prowler means Power, Speed, Agility, Endurance and Operator Protection

The Prowler is significantly more than a modified recreational ATV. It is a rugged COTS platform specially designed to maximize superior performance and reliability while ensuring the safety and effectiveness of its operator.



In military tactical applications, the Prowler is easily deployed, capable and nimble in hostile environments and is multi-mission configurable. Unlike any generic ATV- derived vehicle, the Prowler is built to provide maximum operator protection, enhance driver control, improve crew safety and reduce operator fatigue.

- ***Powerful Digital Fuel Injection.*** The Prowler DFI V-Twin engine with dual throttle bodies optimizes throttle response and power delivery regardless of temperature change or altitude. This increases low to mid-range torque output while enhancing higher RPM range performance.



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- **Heavy Duty Suspension.** The prowler heavy duty extended range adjustable shock absorbers meets the rigorous demands of the SCORE Baja 1000-Off-Road Race and its 500-Lb.springs ensure better than 1:1 load capacity.



- **Unmatched Prowler Stability.** The Prowler has a wider distance, lower center of gravity (yet more ground clearance), and shorter turning radius and can traverse more extreme side slope terrain with more payload than any other vehicle in its class.



- ***Suspension Seating & NASCAR safety Restraints.***

The Prowler's specially constructed Skydex™ impact absorbing suspension seats are covered with waterproof DuPont 1000 denier ballistic material. Crew restraint harnesses are full SFI-16-1 racing safety certified allowing the driver / crew to easily roll in and out of the vehicle as required.



- ***Chromalloy Steel ROPS Cage & Cargo Rack***

The prowler's rugged design and construction incorporates chrome alloy steel tubing components that won't bend, crimp, dent or break versus typical ATV plastic panels and common steel stamping welded together.

- **True All –Wheel Drive. In 4WD**, Prowler's wheels have power delivered simultaneously to each wheel all the time unlike modified recreational vehicles which only revert to 4-wheel drive if a rear wheel slips or spins.



- **Full-time Engine Braking.** The Prowler keeps its engine engaged with the drive train at all times-with constant engine braking under all driving conditions. This means that the wheels turn slower as the engine revs lower, improving driver control and lengthening the life of its brakes.
- **True Full Stock Internally Transportable Vehicle (ITV).** As well as transportable within most cargo Helos and fixed wing aircraft, Prowler can be backed into the MV/ CV-22 Tilt-Rotor OSPREY aircraft-ready to drive straight out, fully crewed and mission equipped immediately upon ramp down-without any vehicle modification, disassembly , change or adjustment.



- **Double Reinforced Rim Wheels.** Designed to operate with tires under the most demanding off- road and rugged terrain conditions, prowler's extreme duty double reinforced rim wheels do not dent, bend, twist or break.
- **Full Coverage Skid Plate Protection.** Prowler's heavy duty undercarriage skid plate system can support the entire vehicle on a single point of contact. This means that if "high centered", the vehicle needs only to be rocked with all wheel drive locked to pull off a "hang up" point.
- **Powder Coated Surface Finishes.** All Prowler surfaces are industrial powder coated, not painted, for durability and long life.
- **Ease of maintenance and Logistic Support.** The Prowler platform design makes all routine service and maintenance points easily accessible for service without special tools, equipment or disassembly. Major Engine and drive Train parts and service is available from dealers worldwide.
- **Full Compliance with the Scope and Intent of MIL-STD-882D System Safety.** Effective operational capacity and acceptable mishap risk assessment within the constraints of potential mission requirements throughout the life cycle of Prowler platform was and remains a critical factor in their design and evolution.
- **Major Accessory Options.** In addition to all of the major elements mentioned above(and as detailed in the attached specifications), several significant platform accessory options include:
 - 24 VDC Auxiliary Power Systems.
 - Extended Range Extra Heavy Duty Suspension.
 - High Performance Engine Enhancements.
 - Power Steering.
 - Wheel to Track Conversion Using Same Wheel Hub lugs.



Prowler™ LTATV

Light Tactical All Terrain Vehicle



Technical Specifications (Standard Platform Configuration unless specified as optional)

Power Plant 750 cc DFI SOHC 4 Valve 90 degree V-Twin, liquid Cooled, Electric Start.

Power Train Fully Automatic Transmission with HI/ LO Range 2 WD/ 4WD, Reverse and Park (Limited Slip Front Differential, Locked Rear Differential).

Construction Sealed Tubular Steel Structure, Chromalloy steel ROPS and Cargo Racks, Full Coverage Skid Plate System, No removable access required for service.

Operation Standard Automatic Driver Controls with Sealed Rack and Pinion Steering Console Mounted Switch Selectable Dual Range Drive, Optional Power Steering.

Speed 50 mph (4WD, Hi Range).

Suspension Front and Rear Independent Double Wishbone A Arms, Adjustable Preload Gas Charged Shock Absorbers. (Optional Heavy Duty Extended range).

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Braking Front-Dual Hydraulic Disc, Rear-Sealed Multi Disc

Full Engine Braking on all 4 Drive wheels.

Instrumentation Digital Multifunction Display with LCD Speedometer/ Odometer, Dual Trip Meters, Hours Meter and Clock, Fuel Gage, Warning Lights and Drive Train Position Indicator.

12/ 24 VDC operation

12 VDC Standard, 24 VDC Auxiliary System optional.

Battery Terminal Posts

External Jumper Remote Access, No special adapter or fixture required.

Operator Safety Roll Over protection System (ROPS) Exceeds SAE J1524 and ISO Std 3471, Crew Seat Restraints SFI-16-1 certified, platform system built to meet MIL-STD-882D.

Payload 1550lb

Lift / Tie Down Meets MIL-STD-209 K/ NATO 3548 TN specifications.

Towing Capacity 3000 lb (terrain dependant)

Winch 4000 lb, with Wireless Remote Control.

Wheels Double Reinforced Rim Wheels. All Wheels Same Size.

Fuel Capacity 7.4 gal. (with optional in line 8 gal. spare tank).



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Ground Clearance 12.5" (13.5"@ Approach and Departure).

Wheel Base 76"

Track Width 50" front, 50" rear (center to center).

Length 114"

Height 68" (with convertible ROPS,60")

Weight (dry) 1450 lb

*These specifications subject to change without notice. Prowler is built by the

ATV Corp division of Phoenix International Systems, an AS 9100/ ISO 9001:2008

Certified manufacturer that is a service Disabled Veteran Owned Small business.

The Prowler is available under GSA Contract No.GS-03F-0056T.



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