

AVNER

All-terrain combat vehicle

The Textron/MDT Avner combat vehicle is a cost-effective, survivable, light protected all-terrain vehicle that seats three to eleven crewmembers. Incorporating a proprietary armored capsule mounted on a modified commercial Dodge® RAM® pickup truck, the Avner offers significant advantages in power, room, protection and lifecycle cost.

More Power

The Dodge RAM 5500 heavy duty platform is one of the best 4X4 commercial platforms in its category. A powerful 6.7-liter Cummins® Turbo water cooled diesel engine boosting 400 HP and 610 lb-ft torque is coupled with an AISIN® six-speed automatic transmission and transfer case. This powertrain, with its unique factory-installed exhaust brake, easily handles the 8.8 ton, 19,500-lb GVW Avner, even at 60% slopes.

More Room

The Avner capsule is a spacious “box”, with a unique flat floor throughout the entire cabin, from firewall to rear door. The wide, flat-floored cabin allows for three front-row seats, comfortably seating passengers in full battle gear. Configurations include driver,

navigator and commander, or driver and two security personnel.

Five doors and seat mounting floor rails enable various interchangeable seating arrangements, including seating for six or eight forward-facing passengers, or three forward facing and eight side-by-side passengers. The roof hatch has a standard weapons ring, which allows for mounting a variety of weapons and equipment.

Situation awareness is achieved with eight windows – one large, single pane windshield, windows in each of the five doors and two rear side windows.

The OEM in-dash air conditioning system is augmented with a rear AC unit, with a full nuclear, biological, and chemical (NBC) system as an option.

More Protection

The Avner utilizes a ballistic system with add-on layers, offering various levels of armor protection. Add-on armor panels are all replaceable, repairable, and upgradeable.

All windows, including the windshield, offer the same ballistic qualities. Optional swivel-type gun ports can be mounted in all windows, including the windshield. The unique design locks barrels in place, eliminating the risk of discharging inside the capsule, while allowing the use of the weapon’s sights through the glass window, leaving the barrel opening as the only exposed area when weapons are in use.

Cost Effective

Using a commercial off-the-shelf platform reduces initial cost, reduces spare parts costs and reduces maintenance costs. The unique capsule approach allows for easily remounting the capsule on a new pickup truck chassis, which significantly reduces lifecycle costs over the life of the capsule.



Avner is designed for police, border patrol and paramilitary roles involving high risk, e.g., SWAT, anti-terror, and drug enforcement units, along with similar missions requiring exceptional all-terrain capabilities coupled with extreme survivability.

Family of Vehicles

- Patrol: 2 to 6 seats
- Convoy protection
- Troop carrier: 8 to 11 seats
- Medical evacuation
- Mobile command & control
- UAV control and launch
- Reconnaissance sensors
- NBC / Engineering
- Logistics

Effective Armor

- Various armor levels
- Add-on armor options
- Gun port options
- Replaceable, repairable, and upgradable armor panels

Cost Effective

- COTS Dodge RAM Platform
- Standard maintenance
- Re-mountable capsule
- Low lifecycle cost

Lightweight

- 8.8-ton standard OEM GVW
- 2.1 to 2.7-ton payload
- Air transportable

All-Terrain Capabilities

- Powerful Cummins 400 HP engine
- Factory-installed exhaust brake
- 127-inch wheelbase
- Advanced suspension
- MPT 80 12.5X20” wheels



AVNER LIGHT PROTECTED VEHICLE SPECIFICATIONS

Weight

Gross Vehicle Weight	8,845 kg (19,500 lb)
Payload	2,700 kg (5,940 lb)

Dimensions

Length	5000 mm (197")
	5600 mm (220")
Width	2420 mm (95.3")
Height	2390 mm (94.1")
Wheelbase	3226 mm (127")
Ground clearance	300 (11.8") under rear axle
Ground clearance	400 mm (15.7") between axles

Performance

Range	610 km (380 miles)
	Auxiliary tank optional
Turning Radius	7 meters (23 feet)
Side Slope	33°
Approach Angle	42°
Departure Angle	42°
Vertical Step	430 mm (17")

Power Train

Chassis	Dodge RAM 5500HD 4x4
Engine	Turbo diesel, 400 HP, 610 lb-ft
Wheels/Tires	Continental MPT 80 12.5X20"

Seats

6 / 8 / 10

Ingress/Egress

4 side doors, 1 rear door,
1 roof hatch

Electrical System

12V – 200 amp;
24V 120 amp – optional

Air Conditioning

Front and rear systems



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ALL-TERRAIN COMBAT VEHICLE



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