

M1117 Armored Security Vehicle

Exceptional crew protection in a light and lethal vehicle

Textron Marine & Land's Cadillac Gage™ Armored Security Vehicle is a rugged, highly mobile, agile and survivable 4X4 wheeled armored vehicle currently under full production for the U.S. Army's Military Police. Operationally proven, ASV is mission-essential equipment in Operation Iraqi Freedom. Its versatility has also been documented in Stability and Support operations in the Balkans. As part of ongoing U.N. Peacekeeping initiatives, ASV has become an integral part of operational doctrine, offering the soldier unparalleled protection for a vehicle of its class.

The ASV Solution

With the changing nature of warfare and the elevation in asymmetric conflicts, extreme survivability, mobility, and deployability is paramount. Textron's ASV fills the capability gap that existed between larger armored systems and smaller bolt-on armor type of vehicles. For example, tanks are too heavy and large to deploy strategically and are difficult to maneuver through urban areas, while smaller vehicles offer mobility but leave the crew vulnerable to small arms fire and mines. The ASV provides the required mix of protection and quick insertion capability and is now recognized as one of the best in class wheeled armored combat vehicles.

Advanced Survivability

Modular appliqué on the exterior and an



ASV provides unparalleled crew protection.

interior spall liner provide exceptional crew protection on the front, rear and sides of the vehicle. The ASV crew is also protected from anti-tank mine blasts and from artillery shell fragments detonated overhead.

Because the armor is designed to bolt on, additional protection can be added depending on the level of ballistic defense required. Special run-flat tires with central tire inflation offer the crew added essential mobility under fire.

When faced with nuclear, biological and chemical threats, ASV's gas particulate air filtration system, used in tandem with a ventilated facepiece, offers additional protection. With over 28 months of continuous combat, the ASV has demonstrated in battle unparalleled protection for crew members not found in other vehicles of this class. While other vehicles may protect the crew, they can also be disabled; the ASV

not only protects the crew but allows successful completion of the mission.

Superior Mobility

To maximize crew effectiveness, the ASV provides superior ride quality on highways and off-road terrain. The ASV travels at highway speeds over 60 mph while offering excellent handling, ride quality and mobility, based upon independent suspension with unmatched range of well over 440 miles on a basic load of fuel. Its off-road performance includes the capability to ford water depths of five feet, climb gradients of 60 percent, and overcome obstacles two feet high.

Selectable Firepower

ASV is equipped with the dependable firepower of the Cadillac Gage-developed 40mm/.50 caliber upgunned weapon station, battle-proven by the U.S. Army in Operation Iraqi Freedom (OIF).

Direct experience in OIF has shown the survivability advantages of turrets with their inherent capability to reload under



The M1117 Armored Security Vehicle is currently deployed in Operation Iraqi Freedom with the U.S. Army Military Police

armor for both weapons while in contact with the enemy as a critical component of crew protection. The increased survivability – coupled with M36 E3 day/night sight and 360-degree vision blocks – provides outstanding lethality and protection on the non-linear battlefield of today and the future.

Excellent Deployability

The turret's flat hatch reduces the silhouette of the vehicle, providing the occupants with greater protection, while enabling roll on/roll off C-130 transportability. The ASV is the only combat vehicle that can roll on and roll off – combat loaded – with less than 20 minutes of preparation. As many as six ASVs fit into a C-17.

Maximum Crew Efficiency

The ASV features interior climate control, acoustics enhancements for reduced noise, and independent suspension under each wheel to maximize crew readiness and enhance mission effectiveness. The commander, driver and crew stations all accommodate 5th percentile female to 95th percentile male occupants.

ASV Growth Opportunities

Since the introduction of the ASV into the

U.S. Army's Military Police inventory, TM&L has been receiving inquiries and orders from overseas customers.

In response to demand, primarily by the Iraqi Security Force, TM&L has performed studies resulting in the development of alternative configurations of the original ASV to meet specific customer missions. These variants include a stretched vehicle to accommodate an APC version and equipment changes for the Command & Control and Recovery Vehicle versions.



The Iraqi Armored Personnel Carrier ASV variant is configured for transport of a crew of 10 (driver, commander, and eight passengers).

Other variants are available for special mission requirements, including RECON, Mortar Carrier, Ambulance, Recovery, Countermine, or other customer-defined configurations.

M1117 ARMORED SECURITY VEHICLE

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Weight

- Gross Vehicle Weight 13,408 kg (29,560 lb)
- Curb Weight 11,884 kg (26,200 lb)

Dimensions

- Length 6.07 m (237 in)
- Width 2.56 m (101 in)
- Height 2.59 m (102 in)
- Ground Clearance .46 m (18 in)

Performance

- Speed 100 kph (63 mph)
- Acceleration 0-32 kph (0-20 mph) <7.0 sec
- Range @ 40 mph 440 miles
- Turning Diameter 16.7 m (55 ft)
- Gradient 60%
- Side Slope 30%
- Vertical Wall .6 m (24 in)
- Fording 1.5 m (60 in)

Power Train

- Engine Cummins 6CTA8.3, 260 hp/828 lb-ft
- Transmission Allison MD3560, 6 speed/1 rev.
- Transfer Case Single speed
- Axles Rockwell R-611, independent
- Tires 14.00 R20XZL, Run Flat Inserts
- Suspension Fully independent with coil springs

Sights

M-36 day/night gunner's sight

Armament

40-mm MK 19, 12.7-mm M2HB

Air Transportability

C-130 roll-on/roll-off
C-17 carries 6
CH-53 helicopter



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