

MRAP ALL-TERRAIN VEHICLE

M-ATV



INNOVATION DRIVES FORWARD.

THIS IS OSHKOSH DEFENSE.

At Oshkosh Defense, we stand behind those who dedicate their lives to protecting others. Every day we strive to meet or exceed our customers' ever-changing needs with next generation defense technologies and advanced systems. We operate with unparalleled commitment to those who depend on our products and services worldwide to perform their missions.

M-ATV | MRAP ALL-TERRAIN VEHICLE

Mobile. Survivable. Ready.

Oshkosh Defense® M-ATV. The vehicle that answers the urgent need.

There are no easy roads in battle. Often, there are no roads at all. Enter the Oshkosh Defense® M-ATV – the high-mobility, high-protection vehicle specifically engineered for treacherous environments. Derived from the Medium Tactical Vehicle Replacement (MTVR) platform, the M-ATV incorporates the TAK-4® independent suspension system to provide proven, durable, best-in-class mobility to take ruts, rubble and rocks head on. And with a battle-tested, battle-proven armor configuration, the M-ATV provides unsurpassable survivable crew protection as it maneuvers over and around everything that attempts to impede the mission.

Each and every M-ATV vehicle offers capabilities to do whatever the mission demands. It's a vehicle that performs above and beyond any other, one which Oshkosh supports throughout its entire life-cycle.

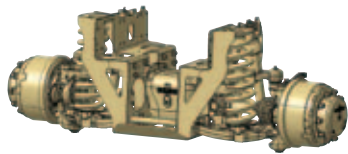
TAK-4® INDEPENDENT SUSPENSION

TAK-4® Independent Suspension System – Over and Above Any Other Suspension

At the heart of the M-ATV's robust performance is the Oshkosh Defense® TAK-4® independent suspension system. Engineered for the most extreme conditions, TAK-4 suspension takes ride quality, mobility and maneuverability to unprecedented levels.

TAK-4 suspension is a complete and integrated driveline solution. There are no compromises and absolutely no comparisons. It has been battle-tested and combat-proven to be the mobility and safety solution when the mission calls for going into the most brutal and unforgiving environments.

Oshkosh® TAK-4®
independent suspension



M-ATV | MRAP ALL-TERRAIN VEHICLE

- MTRV-based chassis with TAK-4® independent suspension system
- Rugged and reliable powertrain
- Mature, effective, battle-tested armor configuration from Plasan North America
- Proven, durable, best-in-class mobility for rugged terrain and 70 percent off-road duty
- Minimizes operator and maintenance training; maximizes crew effectiveness

Engine: Caterpillar® C7, 370 hp
Transmission: Allison® 3500 SP
Transfer Case: Marmon Herrington
Axles: Oshkosh® MTRV
Suspension: TAK-4® independent
Suspension (Durability) Profile:
70% off-road/30% on-road

Seating Capacity: 4 passengers + 1 gunner
Vehicle Curb Weight: < 27,500 lbs. (12474 kg)
Payload Capacity: 4,000 lbs. (1814 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings
with integrated driveline lock control system



Mobile. Survivable. Ready. Oshkosh Defense® M-ATV.

The M-ATV incorporates rugged, durable, patented components such as the TAK-4® independent suspension system and other battle-proven technologies to assure the highest degree of performance on every mission.

The M-ATV design combines the crew protection forces have come to expect in MRAP vehicles with the extreme mobility and durability needed to negotiate treacherous off-road terrain. It has been proven in battle and has demonstrated its performance capabilities every time – proving it has the wheel travel, payload capacity, side slope stability, vehicle durability, extreme mobility and necessary protection for today's complicated battle scenarios.

M-ATV | SPECIAL FORCES VEHICLE | MRAP ALL-TERRAIN VEHICLE

- Larger windshield for improved visibility
- 5th seat which converts to gunner stand and is compatible with RWS
- IR driving lights
- Hood steps and hand holds
- Rear cargo access door
- Increased usable crew compartment volume through redesigned GFE rack and cargo deck

Engine: Caterpillar® C7, 370 hp
Transmission: Allison® 3500 SP
Transfer Case: Marmon Herrington
Axles: Oshkosh® MTVR
Suspension: TAK-4® independent
Suspension (Durability) Profile:
70% off-road/30% on-road

Seating Capacity: 5 passengers
Vehicle Curb Weight: < 27,500 lbs. (12474 kg)
Payload Capacity: 2,000 lbs. (907 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings
with integrated driveline lock control system



Swift To Battle. Stellar In Response, Performance and Protection. M-ATV Special Forces Vehicle.

The M-ATV special forces vehicle is specifically engineered to be nimble, quick and protective so Special Operation Forces can respond to hostile threats and counterattack elusive adversaries.

The M-ATV special forces vehicle is adapted for sophisticated, specific and technical missions, offering the visibility, control, storage, payload capacity, durability and mobility vital to mission success – making it the combat-tested, combat-proven, survivable solution for Special Operation Forces.

M-ATV | TACTICAL AMBULANCE VEHICLE | MRAP ALL-TERRAIN VEHICLE

- Two litter, two ambulatory or combination of up to four ambulatory
- Side-by-side litter positioning
- Low litter load times
- Proven, durable, best-in-class mobility for rugged terrain and 70 percent off-road duty
- Mature, effective, battle-tested armor configuration
- Integrated with the proven Underbody Improvement Kit (UIK)

Engine: Caterpillar® C7, 370 hp
Transmission: Allison® 3500 SP
Transfer Case: Marmon Herrington
Axles: Oshkosh® MTRV
Suspension: TAK-4® independent
Suspension (Durability) Profile:
70% off-road/30% on-road

Seating Capacity: Crew of 3 + 2 litter or 4 ambulatory patients
Vehicle Curb Weight: < 32,500 lbs. (14742 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings with integrated driveline lock control system
Turret Capability: M1114 • OGPK • RWS • RWS Lite



Mobile. Reliable. Vital. **M-ATV Tactical Ambulance Vehicle.**

With the M-ATV tactical ambulance vehicle, medics can traverse over any and all obstacles to reach military members in need of medical attention.

The M-ATV ambulance meets the same key performance points in mobility and reliability as the base M-ATV and even surpasses it in protection and survivability. As a fully functional ambulance, mounting provisions allow for a full suite of medical equipment and there's also ample room to care for injured personnel. It's configured to expedite litter load time, so injured personnel can be reached, attended to and extracted from the field quickly.



The M-ATV. Proven for the harshest
terrains, proven to save lives and
proven to accomplish missions.



M-ATV | MULTI-MISSION VEHICLE | MRAP ALL-TERRAIN VEHICLE

- Maximum configuration flexibility for a variety of missions
- Proven, durable, best-in-class mobility for rugged terrain and 70 percent off-road duty
- Minimizes operator and maintenance training; maximizes crew effectiveness
- Mature, effective, battle-tested armor configuration from Plasan North America
- Integrated with the proven Underbody Improvement Kit (UIK)

Engine: Caterpillar® C7, 370 hp
Transmission: Allison® 3500 SP
Transfer Case: Marmon Herrington
Axles: Oshkosh® MTRV
Suspension: TAK-4® independent
Suspension (Durability) Profile:
70% off-road/30% on-road

Seating Capacity: Varies depending on configuration
Vehicle Curb Weight: < 32,500 lbs. (14,742 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings
with integrated driveline lock control system
Turret Capability: M1114 • OGPK • RWVS • RWVS Lite

One Platform, Multiple Configurations



COMMAND AND CONTROL

Crew Size: 6
Maximum capacity
for C4ISR

RECONNAISSANCE

Crew Size: 6
Capacity for C4ISR
& reconnaissance
equipment

TOW ITAS

Crew Size: 4 + 1
Capacity for TOW missiles:
6 + 1 in tube

TROOP

Crew Size: 6
Maximum capacity
for personnel carrier



Nimble. Reliable. Responsive. M-ATV Multi-Mission Vehicle.

The M-ATV multi-mission vehicle provides military forces the speed, protection and agility to accomplish missions quickly and effectively.

The M-ATV multi-mission vehicle is specifically configured to adapt to various missions. Its speed and mobility provide increased security and additional response and maneuvering time. And its ability to mount surveillance equipment increases platform capabilities.

M-ATV | 2.5 CARGO VEHICLE | MRAP ALL-TERRAIN VEHICLE

- MTRV-based cargo deck
- Cargo bed expanded to 6x8 feet (1.8 m x 2.4 m)
- Provides shelter and covered cargo transportation
- Ability to mount various weapon applications
- Proven, durable, best-in-class mobility for rugged terrain and 70 percent off-road duty
- Mature, effective, battle-tested armor configuration
- Ability to mount various HMMWV shelters with the crew protection of an MRAP

Engine: Caterpillar® C7, 370 hp
Transmission: Allison® 3500 SP
Transfer Case: Marmon Herrington
Axles: Oshkosh® MTRV
Suspension: TAK-4® independent
Suspension (Durability) Profile:
70% off-road/30% on-road

Seating Capacity: 2 passengers + 1 gunner
Vehicle Curb Weight: < 25,000 lbs. (11340 kg)
Payload Capacity: 5,100 lbs. (2313 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings
with integrated driveline lock control system

One Platform, Multiple Configurations



One Platform. Multiple Configurations. All Mobile, Reliable and Survivable. M-ATV 2.5 Cargo Vehicle.

The M-ATV 2.5 cargo vehicle has the durability and mobility to get forces the equipment and supplies they need to fulfill their missions, even in the most treacherous circumstances.

With a cargo bed expanded to 6x8 feet (1.8 m x 2.4 m), the M-ATV 2.5 cargo vehicle has the capacity to carry whatever it needs. And with multiple configuration options, including shelter provisions and covered cargo transportation, it can be customized to meet specific mission needs.

M-ATV | BASE UPGRADE | MRAP ALL-TERRAIN VEHICLE

- Larger windshield for improved visibility
- Rear cargo access door
- Improved spotlights
- IR driving lights
- Hood steps and hand holds
- Larger, more accessible exterior storage boxes
- Cargo cover for protection from elements and cargo concealment
- Mounts for HEED bottles
- Additional internal power: 115V outlet, USB power port, 12V power

Engine: Caterpillar® C7, 370 hp
Transmission: Allison® 3500 SP
Transfer Case: Marmon Herrington
Axles: Oshkosh® MTRV
Suspension: TAK-4® independent
Suspension (Durability) Profile:
70% off-road/30% on-road

Seating Capacity: 4 passengers + 1 gunner
Vehicle Curb Weight: < 27,500 lbs. (12473 kg)
Payload Capacity: 4,000 lbs. (1814 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings
with integrated driveline lock control system



Mobile. Survivable. Adaptable. **M-ATV Base Upgrade.**

The M-ATV base upgrade takes the maneuverability and survivability of the standard M-ATV and ratchets it up. With upgrades that can be retrofitted to existing M-ATVs, military personnel can be even more prepared for mission success.

Upgrades on the M-ATV base vehicle include larger, more accessible exterior storage boxes, a larger windshield, improved spotlights, mounts for HEED bottles, a rear cargo access door and additional internal power.

M-ATV | UIK | UNDERBODY IMPROVEMENT KIT

Taking Well-Tested Protection Wherever it's Needed.

The Oshkosh® M-ATV Underbody Improvement Kit (UIK) provides another leap forward in the ongoing battle against Improvised Explosive Device (IED) threats.

Each UIK is tested thoroughly to meet the government's stringent survivability requirements. Oshkosh has also developed and conducted independent testing of UIK enhancements for its wide range of light, medium and heavy tactical wheeled vehicle platforms. UIKs are then delivered and installed by Oshkosh Field Service Representatives (FSRs) wherever needed, including in-theater.

- Jointly, Oshkosh FSRs and U.S. Military Technicians have installed over 4,500 UIKs on M-ATVs in OEF
- Over 500 new M-ATVs have been delivered with factory-installed UIKs
- Oshkosh has developed the SOCOM UIK for integration onto the M-ATV Special Forces Vehicle



Enhanced In-Theater Protection for the Ever-Changing Battlefield. M-ATV UIK Protection.

Oshkosh Defense® vehicles are built using a modular design which can accept a wide range of upgrades as threats evolve. This capability has been utilized to expand upon IED protection through the design, build and installation of UIKs for the M-ATV.

The UIK can be rapidly installed in-theater to increase safety without limiting mission-critical off-road mobility. To date, Oshkosh has completed thousands of in-theater M-ATV installations.

AFTERMARKET SOLUTIONS

Through the entire life-cycle, Oshkosh Defense supports the mission.

In addition to engineering and manufacturing the world-class M-ATV, we support it with comprehensive training and service. Factory-trained technicians, embedded right with military units, provide complete service in all areas. Whether providing the guidance needed to maximize operator capabilities or ensuring fleet readiness with routine maintenance checks, Oshkosh supports the M-ATV throughout the entire life-cycle of the vehicle.

We stand behind the M-ATV and the service men and women who rely on it. Wherever the mission takes the M-ATV, we are there, too. Anytime. All the time.



Extreme mobility, rugged durability and unparalleled performance to overcome the harshest obstacles in the most demanding environments. The Oshkosh® M-ATV.





Oshkosh Corporation
2307 Oregon Street, P.O. Box 2566 • Oshkosh, WI, USA 54903-2566
ph 1.920.235.9150 • fax 1.920.233.9506
Washington, DC Office
1300 North 17th Street, Suite 1040 • Arlington, VA, USA 22209
ph 1.703.525.8400 • fax 1.703.525.8408

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MRAP ALL-TERRAIN VEHICLE

M-ATV



Mobile. Survivable. Ready. Oshkosh Defense® M-ATV.

The Oshkosh Defense® M-ATV answers the armed forces' urgent need for maneuverability and survivability. Derived from the Medium Tactical Vehicle Replacement (MTVR) platform, the M-ATV incorporates rugged, durable, patented components such as the TAK-4® independent suspension system and other battle-proven technologies to assure the highest degree of performance on every mission.

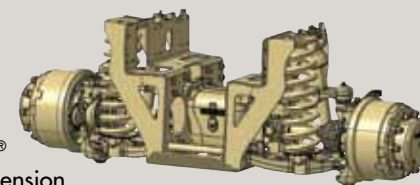
The M-ATV design combines the crew protection military forces have come to expect in MRAP vehicles with the extreme mobility and durability needed to negotiate treacherous off-road terrain. It has been tested and proven in battle and has demonstrated its performance capabilities each and every time – proving it has the wheel travel, payload capacity, side slope stability, vehicle durability, extreme mobility and necessary protection for today's complicated battle scenarios.

M-ATV | MRAP ALL-TERRAIN VEHICLE

- MTRV-based chassis with TAK-4® independent suspension system
- Rugged and reliable powertrain
- Mature, effective, battle-tested armor configuration from Plasan North America
- Proven, durable, best-in-class mobility for rugged terrain and 70 percent off-road duty
- Minimizes operator and maintenance training; maximizes crew effectiveness

Engine: Caterpillar® C7, 370 hp
Transmission: Allison® 3500 SP
Transfer Case: Marmon Herrington
Axles: Oshkosh® MTRV
Suspension: TAK-4® independent
Suspension (Durability) Profile:
70% off-road/30% on-road

Seating Capacity: 4 passengers + 1 gunner
Vehicle Curb Weight: < 27,500 lbs. (12474 kg)
Payload Capacity: 4,000 lbs. (1814 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings
with integrated driveline lock control system



Oshkosh® TAK-4®
independent suspension



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MRAP ALL-TERRAIN VEHICLE

M-ATV | TACTICAL AMBULANCE VEHICLE



Mobile. Reliable. Vital.
Oshkosh Defense® M-ATV
Tactical Ambulance Vehicle.

With the Oshkosh Defense® M-ATV tactical ambulance vehicle, medics can traverse over any and all obstacles to reach military members in need of medical attention so they can be extracted from the field.

The M-ATV ambulance meets the same key performance points in mobility and reliability as the base M-ATV and even surpasses it in protection and survivability. Its modular, scalable platform integrates with the Oshkosh Underbody Improvement Kit (UIK) to increase ballistic protection without limiting performance.

As a fully functional ambulance, mounting provisions allow for a full suite of medical equipment and there's also ample room to care for injured personnel.

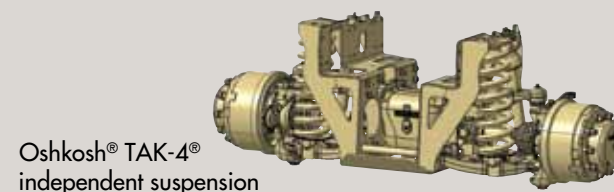
Configured to expedite litter load time, the M-ATV ambulance also incorporates combat-proven components such as the TAK-4® independent suspension system and an advanced armor system to maximize mobility and protection – so medics can get to personnel on the field, and get them out again.

M-ATV | TACTICAL AMBULANCE VEHICLE | MRAP ALL-TERRAIN VEHICLE

- Two litter or four ambulatory transportation
- Side-by-side litter positioning
- Low litter load times
- Ability to carry up to four ambulatory patients in multiple configurations
- Proven, durable, best-in-class mobility for rugged terrain and 70 percent off-road duty
- Mature, effective, battle-tested armor configuration
- Integrated with the proven Underbody Improvement Kit (UIK)

Engine: Caterpillar® C7, 370 hp 7.2 L
Transmission: Allison® 3500 SP/6-speed automatic
Transfer Case: 2-speed electronically operated
Axles: Oshkosh® MTRV
Suspension: TAK-4® independent
Suspension (Durability) Profile: 70% off-road/
30% on-road

Seating Capacity: Crew of 3 + 2 litter or
4 ambulatory patients
Vehicle Curb Weight: < 32,500 lbs. (14742 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings
with integrated driveline lock control system
Turret Capability: M1114 • OGPK • RWS • RWS Lite



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MRAP ALL-TERRAIN VEHICLE

M-ATV | 2.5 CARGO VEHICLE



**One Platform. Multiple Configurations.
All Mobile, Reliable and Survivable.
Oshkosh Defense® M-ATV 2.5 Cargo Vehicle.**

The Oshkosh Defense® M-ATV 2.5 cargo vehicle has the durability and mobility to get forces the equipment and supplies they need to fulfill their missions, even in the most treacherous circumstances.

With a cargo bed expanded to 6x8 feet (1.8 m x 2.4 m), the M-ATV 2.5 cargo vehicle has the capacity to carry whatever it needs. And with multiple configuration options, including shelter provisions and covered cargo transportation, it can be customized to meet specific mission needs.

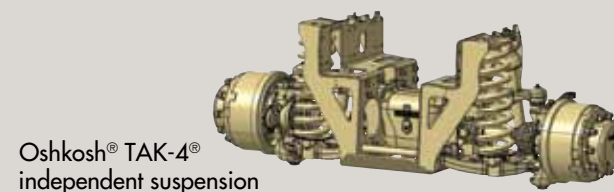
The M-ATV 2.5 cargo vehicle meets the same key performance points as the standard M-ATV – unsurpassed mobility, protection and reliability – and incorporates the combat-proven TAK-4® independent suspension system and advanced armor solutions for maximum crew survivability. With its wheel travel, payload capacity, side slope stability, vehicle durability and off-road/on-road duty profile, it gets supplies to military forces – even in the heat of battle.

M-ATV | 2.5 CARGO VEHICLE | MRAP ALL-TERRAIN VEHICLE

- MTRV-based cargo deck
- Cargo bed expanded to 6x8 feet (1.8 m x 2.4 m)
- Provides shelter and covered cargo transportation
- Ability to mount HMMWV shelters and various weapon applications
- Proven, durable, best-in-class mobility for rugged terrain and 70 percent off-road duty
- Mature, effective, battle-tested armor configuration

Engine: Caterpillar® C7, 370 hp 7.2 L
Transmission: Allison® 3500 SP/6-speed automatic
Transfer Case: 2-speed electronically operated
Axles: Oshkosh® MTRV
Suspension: TAK-4® independent
Suspension (Durability) Profile: 70% off-road/
30% on-road

Seating Capacity: 2 passengers + 1 gunner
Vehicle Curb Weight: < 25,000 lbs. (11340 kg)
Payload Capacity: 5,100 lbs. (2313 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings
with integrated driveline lock control system



One Platform, Multiple Configurations



BASE UTILITY VEHICLE
2.5 TON CARGO CARRIER

TROOP CARRIER

S-832 INTEGRATED
COMMAND POST SHELTER

S-250 MAINTENANCE
SHELTER CARRIER



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MRAP ALL-TERRAIN VEHICLE

M-ATV | MULTI-MISSION VEHICLE



Nimble. Reliable. Responsive.
Oshkosh Defense® M-ATV
Multi-Mission Vehicle.

The Oshkosh Defense® M-ATV multi-mission vehicle incorporates durable, patented components and systems to give military forces the speed, protection and agility to accomplish missions quickly and effectively.

Maintaining the same high-level performance points of the standard M-ATV – unsurpassed mobility, protection and reliability – the M-ATV multi-mission vehicle is specifically configured to adapt to various missions. Its modular, scalable platform integrates with the Oshkosh Underbody Improvement Kit (UIK) to increase ballistic protection without limiting performance.

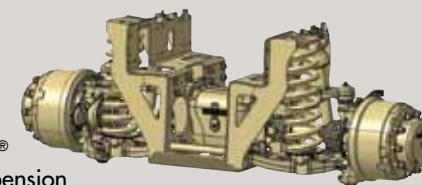
The speed and mobility of the M-ATV multi-mission vehicle provide increased security and additional response and maneuvering time, and its ability to mount surveillance equipment increases platform capabilities. With combat-tested components like the TAK-4® independent suspension and advanced armor systems, the M-ATV multi-mission vehicle provides the proven, survivable solution for even the most difficult missions in the most treacherous environments.

M-ATV | MULTI-MISSION VEHICLE | MRAP ALL-TERRAIN VEHICLE

- Maximum configuration flexibility for a variety of missions
- Proven, durable, best-in-class mobility for rugged terrain and 70 percent off-road duty
- Minimizes operator and maintenance training; maximizes crew effectiveness
- Mature, effective, battle-tested armor configuration from Plasan North America
- Integrated with the proven Underbody Improvement Kit (UIK)

Engine: Caterpillar® C7, 370 hp
Transmission: Allison® 3500 SP
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Suspension: TAK-4® independent
Suspension (Durability) Profile:
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Seating Capacity: Varies depending on configuration
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Turret Capability: M1114 • OGPK • RWS • RWS Lite



Oshkosh® TAK-4®
independent suspension

One Platform, Multiple Configurations



COMMAND AND CONTROL

Crew Size: 6 + 1
Maximum capacity
for C4ISR

RECONNAISSANCE

Crew Size: 7 + 1
Capacity for C4ISR
& reconnaissance
equipment

TOW ITAS

Crew Size: 4 + 1
Capacity for TOW missiles:
6 + 1 in tube

TROOP

Crew Size: 8 + 1
Maximum capacity
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MRAP ALL-TERRAIN VEHICLE

M-ATV | SPECIAL FORCES VEHICLE



**Swift To Battle. Stellar In Response,
Performance and Protection.
Oshkosh Defense® M-ATV
Special Forces Vehicle.**

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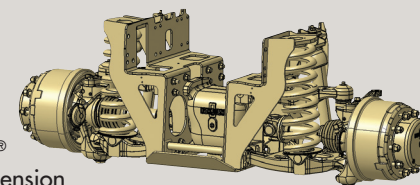
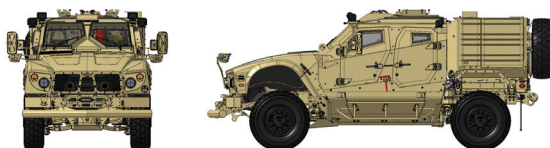
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M-ATV | SPECIAL FORCES VEHICLE | MRAP ALL-TERRAIN VEHICLE

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- Rear cargo access door
- Increased usable crew compartment volume through redesigned GFE rack and cargo deck

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Transmission: Allison® 3500 SP/6-speed automatic
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Seating Capacity: 5 passengers
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Oshkosh® TAK-4®
independent suspension



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MRAP ALL-TERRAIN VEHICLE

M-ATV | BASE UPGRADE



Mobile. Survivable. Adaptable. Oshkosh Defense® M-ATV Base Upgrade.

The Oshkosh Defense® M-ATV base upgrade takes the maneuverability and survivability of the standard M-ATV and ratchets it up. With upgrades that can be retrofitted to existing M-ATVs, military personnel can be even more prepared for mission success.

Upgrades on the M-ATV base vehicle include larger, more accessible exterior storage boxes, a larger windshield, improved spotlights, mounts for HEED bottles, a rear cargo access door and additional internal power. These additions are only a few of the upgrades that help the M-ATV accommodate more needs and fulfill even more missions safely and successfully.

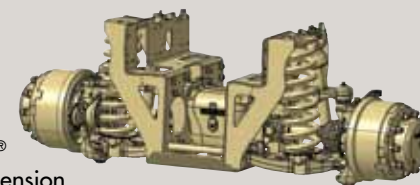
Incorporating rugged, durable, patented components such as the TAK-4® independent suspension system and other battle-proven technologies, the M-ATV provides unsurpassed mobility, protection and reliability on every mission. It has been tested and proven in battle and has demonstrated its performance capabilities each and every time.

M-ATV | BASE UPGRADE | MRAP ALL-TERRAIN VEHICLE

- Larger windshield for improved visibility
- Rear cargo access door
- Improved spotlights
- IR driving lights
- Hood steps and hand holds
- Larger, more accessible exterior storage boxes
- Cargo cover for protection from elements and cargo concealment
- Mounts for HEED bottles
- Additional internal power: 115V outlet, USB power port, 12V power

Engine: Caterpillar® C7, 370 hp
Transmission: Allison® 3500 SP
Transfer Case: Marmon Herrington
Axles: Oshkosh® MTRV
Suspension: TAK-4® independent
Suspension (Durability) Profile:
70% off-road/30% on-road

Seating Capacity: 4 passengers + 1 gunner
Vehicle Curb Weight: < 27,500 lbs. (12473 kg)
Payload Capacity: 4,000 lbs. (1814 kg)
Central Tire Inflation (CTI): 2 channel • 4 terrain settings
with integrated driveline lock control system



Oshkosh® TAK-4®
independent suspension



Oshkosh Corporation
2307 Oregon Street, P.O. Box 2566 • Oshkosh, WI, USA 54903-2566
ph 1.920.235.9150 • fax 1.920.233.9506
Washington, DC Office
1300 North 17th Street, Suite 1040 • Arlington, VA, USA 22209
ph 1.703.525.8400 • fax 1.703.525.8408

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