



Montague Tactical Military Mountain Bikes



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Geared for Survival™

Montague Tactical Military Mountain Bike: Overview

- Developed for US Marines with funding from DARPA (non-electric version of Tactical Electric No Signature (TENS) Mountain bike).
- Full size, performance mountain bike with little to no thermal or acoustic signature.
- Off-body load bearing and towing capability – more efficient than men on foot.
- On road/Off-road capabilities. Deployable on almost all terrain.
- Used for troop movement on rugged terrain; patrolling extensive perimeters; back up transportation.
- Used for airdrop, X-Series™ folding frame allows for high level of maneuverability and can compact to a portable size in less than 30 seconds.
- Low maintenance, Low/No logistics support.
- Currently deployed in a number of locations including Special Forces in Middle East; USMC and Army in US and SE Asia; Military Police; National Guard; Law Enforcement Units.



Montague Tactical Military Bike Development

Bridging the transportation gap between walking & heavy military vehicles



Montague Corporation, headquartered in Cambridge, Massachusetts, is a company devoted to the design and production of bicycles that incorporate Folding Integrated Technology (FIT).

In 1997, with a two-year grant from the Defense Advanced Research Projects Agency (DARPA), Montague partnered with the **US Marines & the US Army** to develop the Tactical Electric No Signature (TENS) Mountain bike.

For this project Montague developed a new folding frame design the **X-Series™**. Which, due to popular demand, gave rise to the **Paratrooper™**, Montague's non-electric Military Mountain Bike.

The Paratrooper is a full-size mountain bike that provides little to no thermal or acoustic signature; has enhanced off-body load bearing capabilities; a high level of maneuverability and can compact to a portable size in less than 30 seconds.

The Montague Tactical Mountain Bike was designed for a variety of deployment options:



- Back up transportation for HMMWV, LAV, etc
- Scout Recon vehicle
- Patrol vehicle for MPs
- Combat ready vehicle
- Troop transport
- Load carrying transport
- Light duty rapid response attack vehicle
- Paratrooper ground transport
- Medical supply vehicle
- Parade vehicle
- Training/Fitness equipment

The Montague X-Series™ folding system provides additional flexibility that no other 2-wheeled transportation can offer.

Deployment Options:



Alternative to Foot Soldier:

The Montague Tactical Mountain Bike offers an excellent alternative to typical ground transport. Mules/horses are hard to control, eat 6 times as much as men do, have higher silhouettes and require full-time care/training. Vehicles are noisy, require mechanics and POL re-supply, and can break down without repair parts. Men on mountain bikes can traverse any terrain, move at high speeds without breakdown, and can refuel themselves with local water and food.



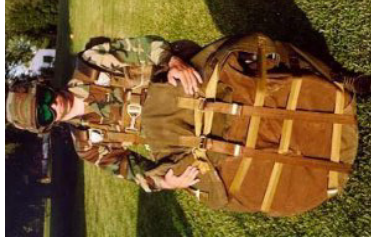
HMMWV/LAV/Reconnaissance vehicle:

Used in conjunction with a HMMWV, LAV or SUV, Montague Tactical Military Mountain Bikes add increased mobility and security - facilitating rapid reporting and in turn quick decision making. The Mountain Bike (scout) offers additional mobility for the vehicle enabling the unit to “push “eyes” forward quickly and quietly.



Air Drop Ground Mobility:

Drop. Land. Unfold. The soldier has mobility, is faster and more efficient than on foot. The bicycle provides off-body load bearing and has minimal acoustic & thermal signature.



Ground Patrol:

Montague Tactical Mountain Bikes can be used to patrol/guard areas with acres of terrain or extensive perimeter e.g. captured civilian airport base. The bikes were also designed to fold to fit in the trunk of a military police cruiser or truck. The Officer can drive to any remote location, park, remove the bike from the trunk, unfold and begin patrolling hard to protect areas.



Montague Military Mountain Bike deployment with HMMWV or LAV:



Example Operations:

Offensive/ Defensive Operations: Outfitted with LBV's, Camelbaks (H2O), pistols, Saber radios, and saddlebags, Montague Tactical Mountain Bikes are deployed forward to secure key locations or used to conduct "rearward" reconnaissance and marking of subsequent battle positions. When not in use the bikes can be strapped to the outside of the HMMWV or LAV.

Military Operations in Civilian Situations: Montague Tactical Mountain Bikes yield huge tactical advantages in heavily populated civilian environments. They offer increased flexibility and maneuverability that no other forms of transportation offers.



Emergency Operations: In cases of emergency (medical, mechanical, supplies etc) the Montague Tactical Mountain Bike can be deployed enabling a quicker response, increased range and off-body load-bearing.

Night Operations: Under cover of darkness, the mountain bikes are able to deploy several miles forward, occupy key objectives and bring up the platoon in force.

National Guard in support of HOMELAND DEFENSE.



(U.S. Army photo by Hugh Morgan)

Primary Deployment: Surveillance of acres of terrain at chemical weapons sites across US.

Special Forces/US Marine Corp in support of OPERATION ENDURING FREEDOM in the Middle East.



Primary Deployment: Reconnaissance & Patrol in
conjunction with HMMWV & SUVs