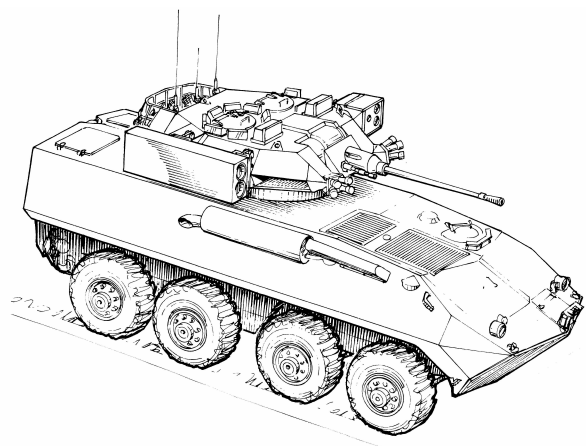
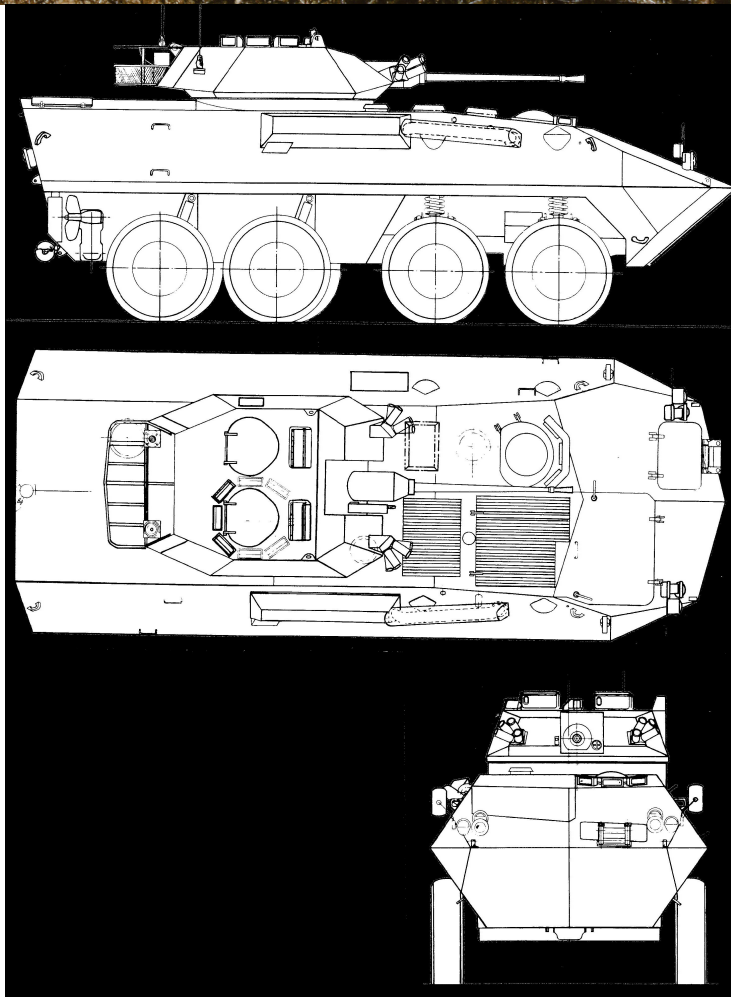
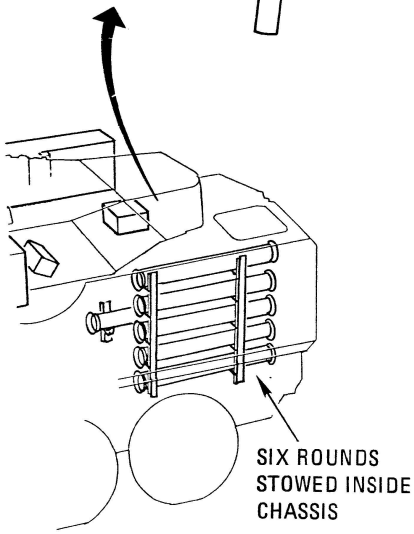
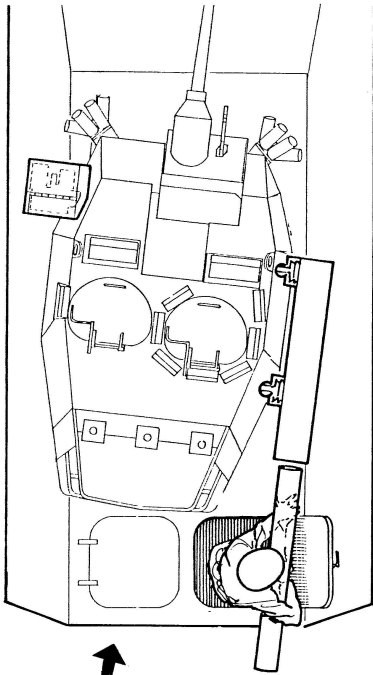
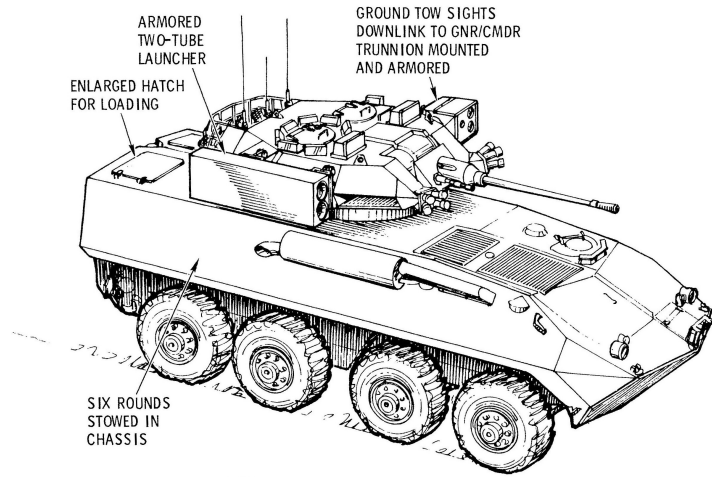


# XM1047 LAV-25 Reconnaissance Vehicle

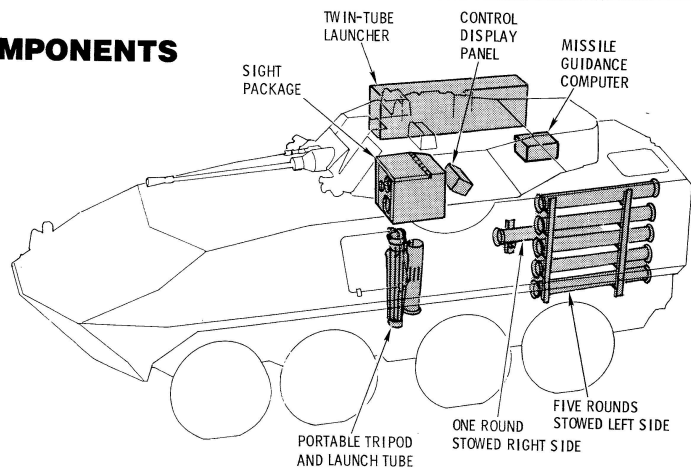




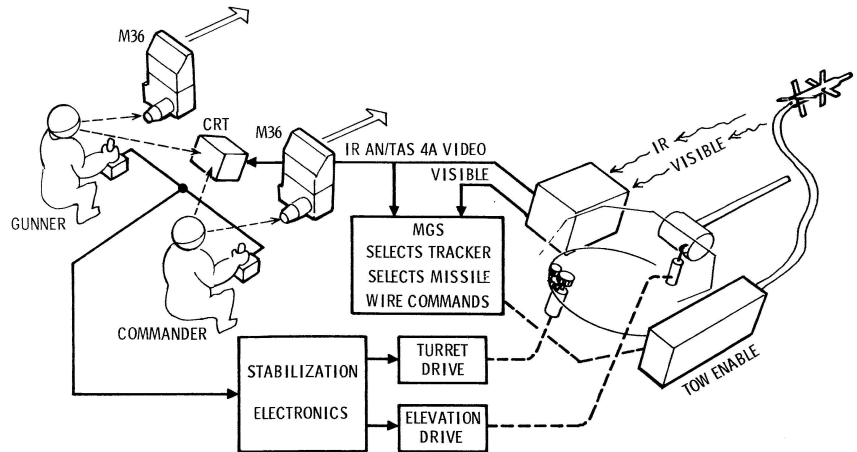
## TOW 2 ADD-ON CONCEPT (Retains Commonality with LAV-25)



## TOW COMPONENTS

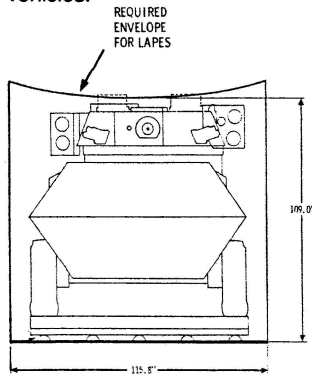


## SIMPLIFIED TOW 2 MISSILE SYSTEM OPERATION (Ground TOW Configuration)



**LAPES  
(Low Altitude Parachute  
Extraction System)**

The ATWS LAV-25 fits into the LAPES envelope, a requirement for landing the vehicles.



**ARMY TRANSPORTABILITY**

**Requirement:**

- Air-transportable at a weight of 28,066 pounds with four crew members removed
  - C-130 capability (one)
  - C-141 capability (two)
  - C-5A capability (eight)
- Army requirements CAN BE MET.

**Additional Capabilities:**

- Transportable by CH53E at combat weight of 28,866 pounds
- Swimming weight of 28,400 pounds can be achieved by removing approximately one-third of stowed 25mm ammo (nine boxes).

**VEHICLE CHARACTERISTICS**

- **Combat weight:** 28,900lb
- **Crew:** 4—driver, commander, gunner, loader
- **Armament:**
  - Primary—M242, 25mm electric powered gun
  - TOW 2 Missile—with removable ground launch TOW backup
  - Secondary—M240, 7.62mm machine gun mounted coaxially to the main gun
  - Supplementary—Pintle mount provided for the M60 or M2 machine gun
  - Ancillary—Two M257 smoke grenade launchers mounted to the front of the turret.
- **Ammunition:**
  - Ready:
    - 210 rounds of 25mm
    - 2 TOW rounds
    - 400 rounds of 7.62mm
    - 8 L8A1 smoke grenades
  - Stowed:
    - 990 rounds of 25mm
    - 6 TOW rounds
    - 2,200 rounds of 7.62mm
    - 8 L8A1 smoke grenades
    - 1,600 rounds of 5.56mm for M16A1 rifles
- **Dimensions:**
  - Length—251.6 inches
  - Height—106 inches
  - Reducible to—101 inches
  - Method—Remove pintle mount
  - Width—98.4 inches

**PERFORMANCE**

Requirement	Assessment
TOW2 capability	Fully compatible using all TOW 2 equipment
Transportability, mobility, agility (equal to basic LAV-25)	Meets full Army requirement
Fully compatible with LAV-25	No major modifications required to vehicle structure or turret drive systems.
Maximize usage of TOW 2 components	Utilizing ground TOW sights and TOW 2 MGS without modification
Armor protect sight and downlink	Ground TOW sights in armored case with video downlink to gunner/commander
Reload under partial armor	Loader can load launcher from within vehicle under partial protection from vehicle structure and hatch
Crew of four	Crew of four
Ground TOW capability desired	Ground TOW launch tube, tripod, traversing unit provided for use with removable components
RAM:safety:environmental	No problems anticipated.



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