

M60 Spotters Guide V.2

This booklet is an attempt to make it easier to identify M60 features and variants. The nomenclature used on some features was developed by Joe D. at the AFV news discussion group and many of the drawings are based on photos he provided. This booklet would not have been possible without his generous help. Any mistakes are mine alone.

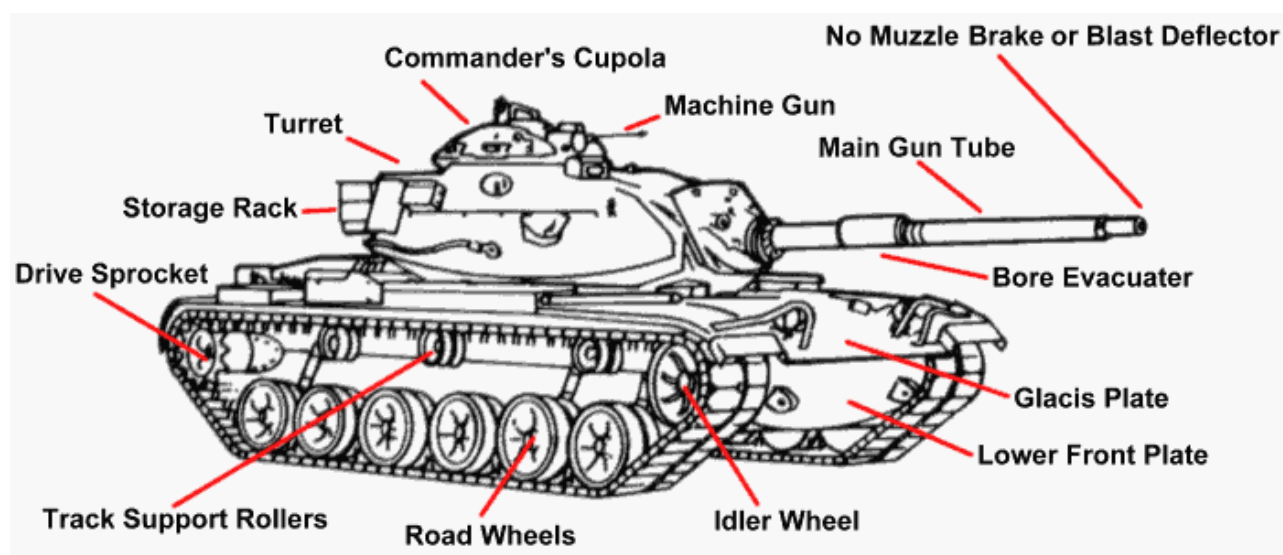
Information gathered about a particular vehicle can be communicated to

Joe D. and Bob Smart at M60crew@xecu.net (preferred)

Or me at Atsionlake13@hotmail.com

Jeff "Piney" Lewis

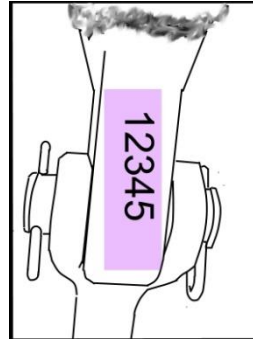
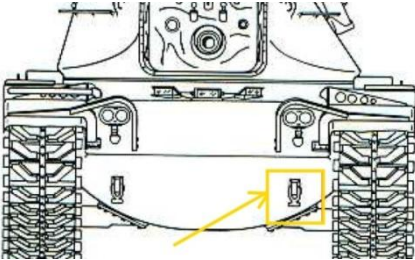
General nomenclature



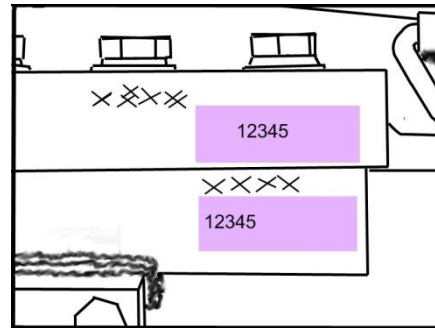
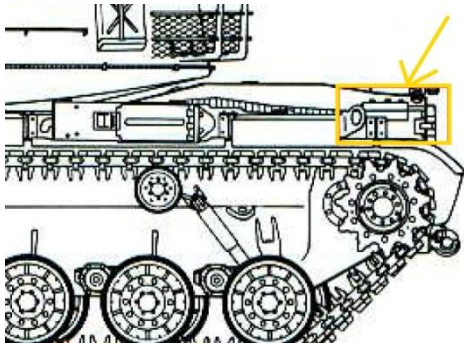
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Serial and registration numbers

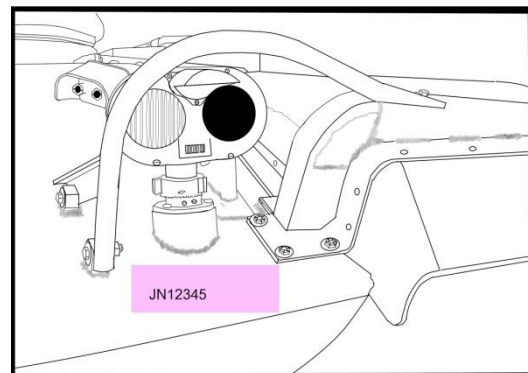
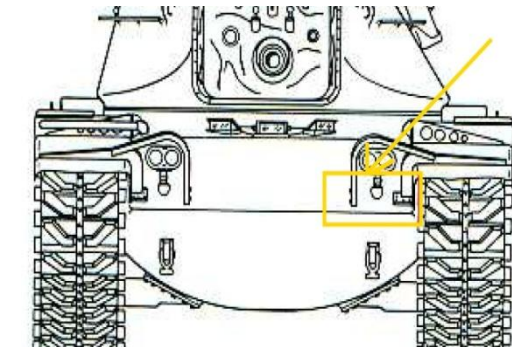
Front location point



Rear location points (on deck & hull)



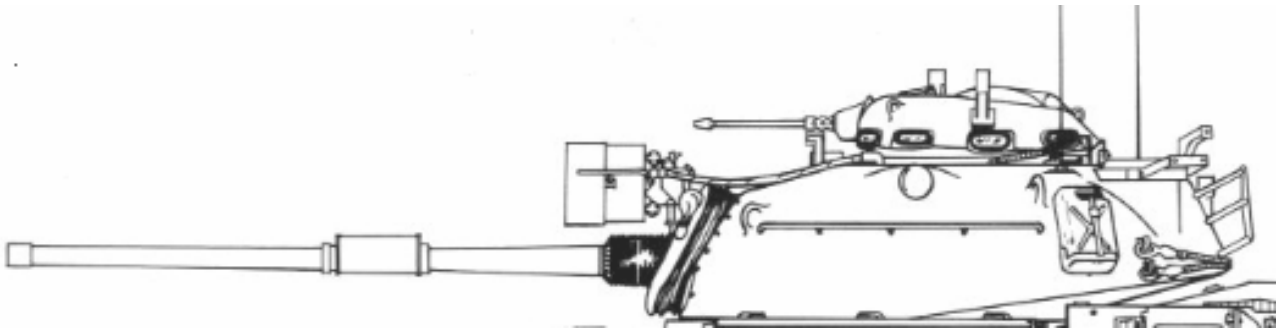
Registration number location



Turret variations

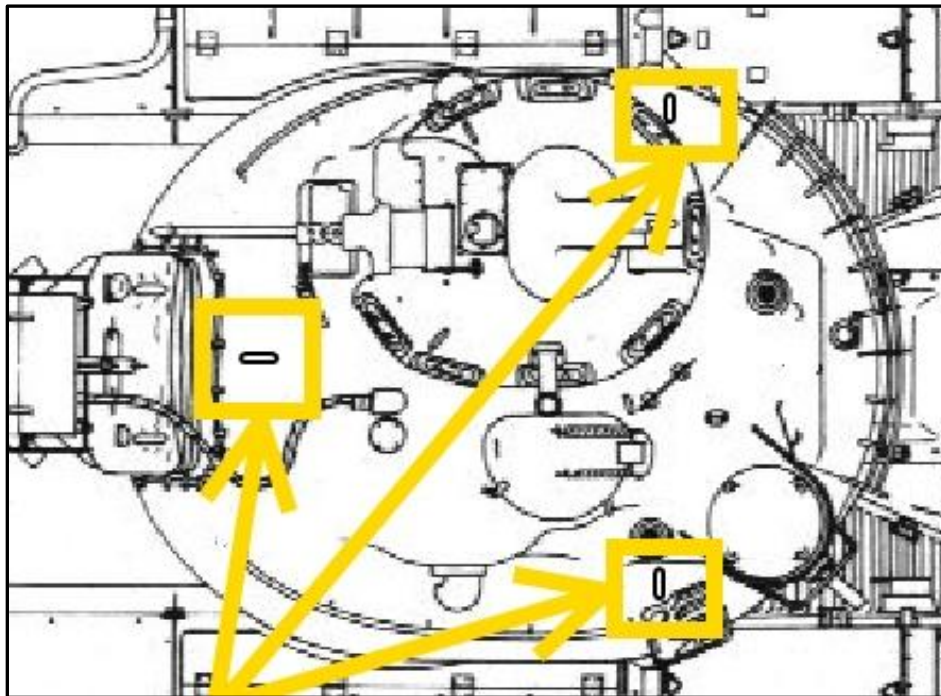
Several different turret types may be found on the M60 family of vehicles

M60 turret

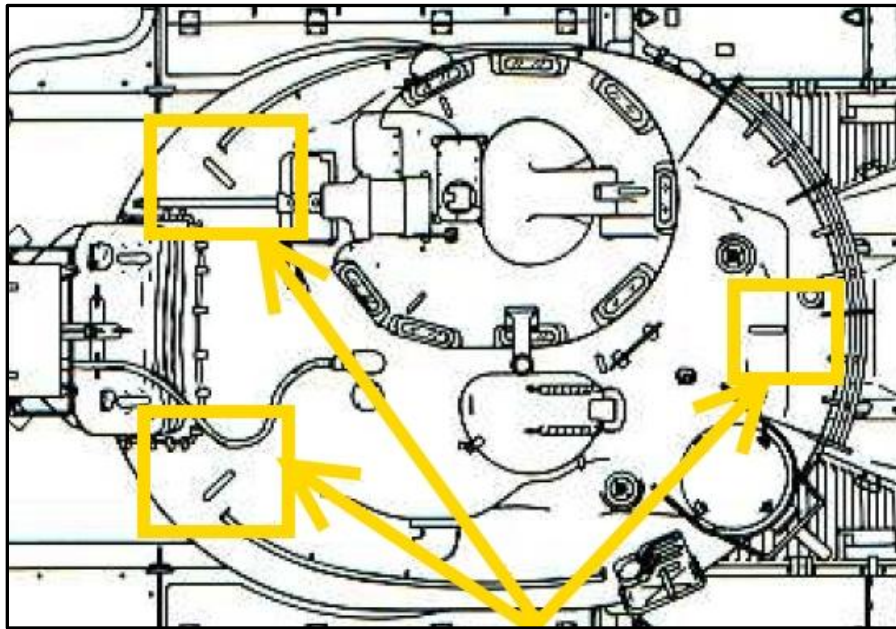


Early **M60** turrets may be found in two types. Early style (first picture, yellow boxes) and late style (second picture, yellow boxes) with the primary visual difference being in the location of the turret lifting eyes (Thanks to **Sabot**)

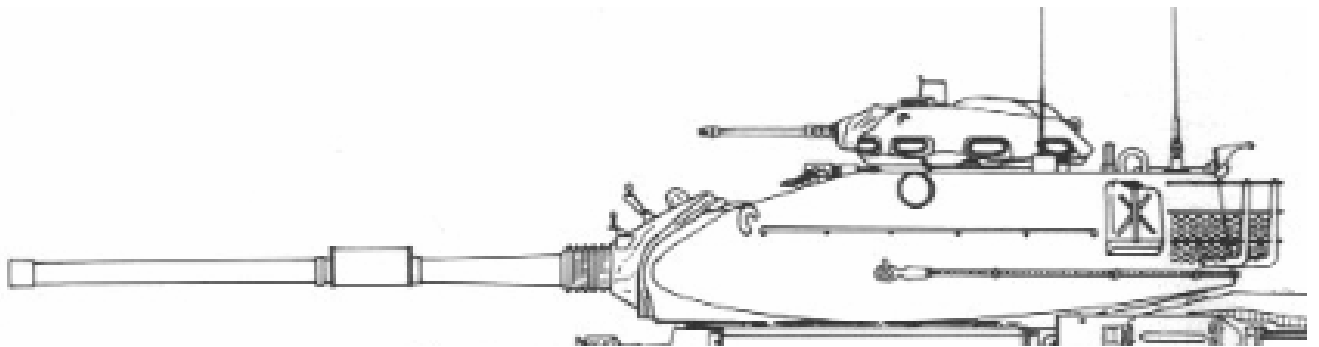
Early style M60 turret



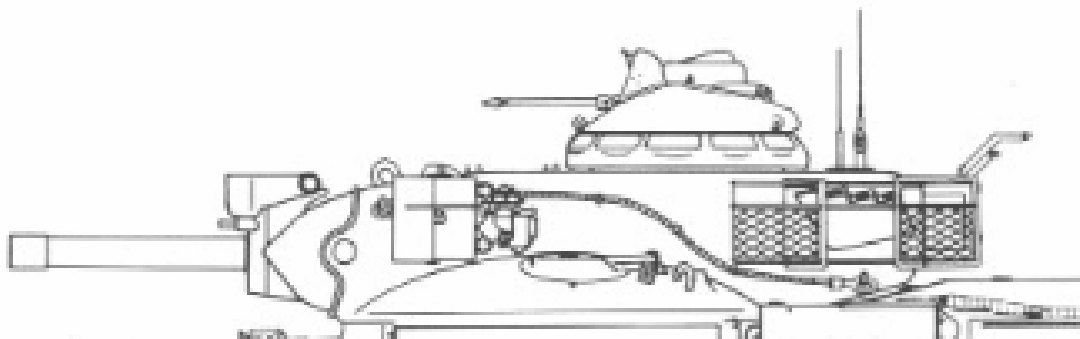
Late style M60 turret

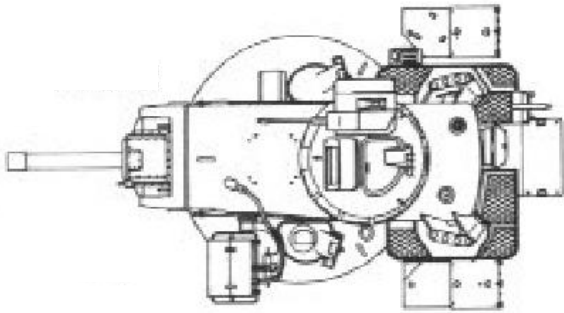


M60A1 turret

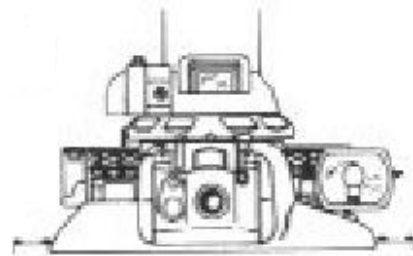


M60A2 turret



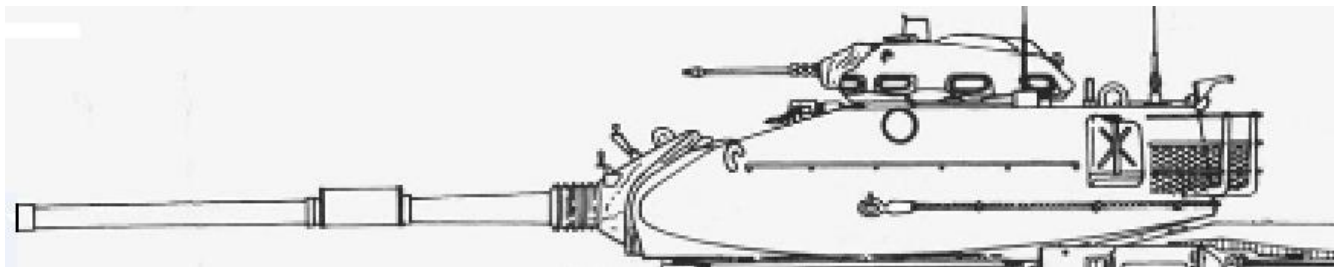


Top view



Front view

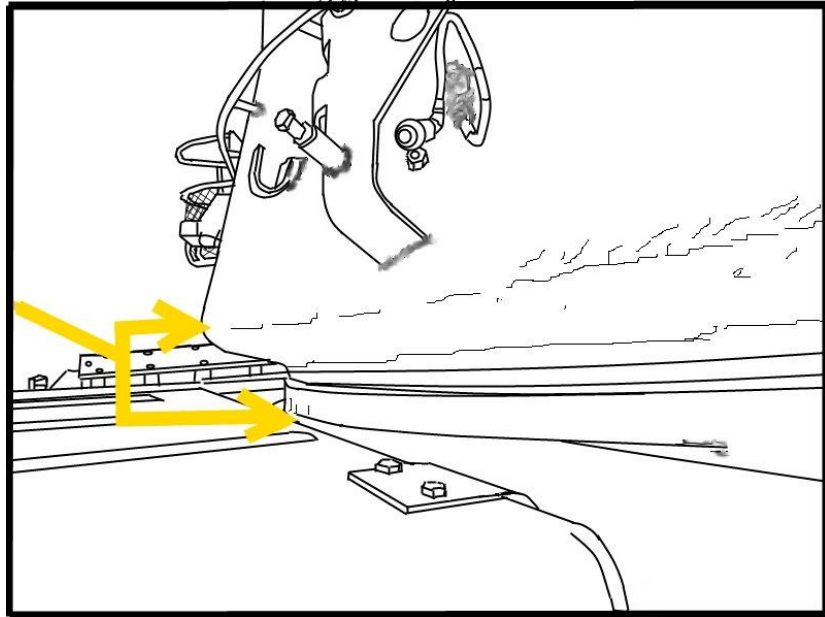
M60A3 turret



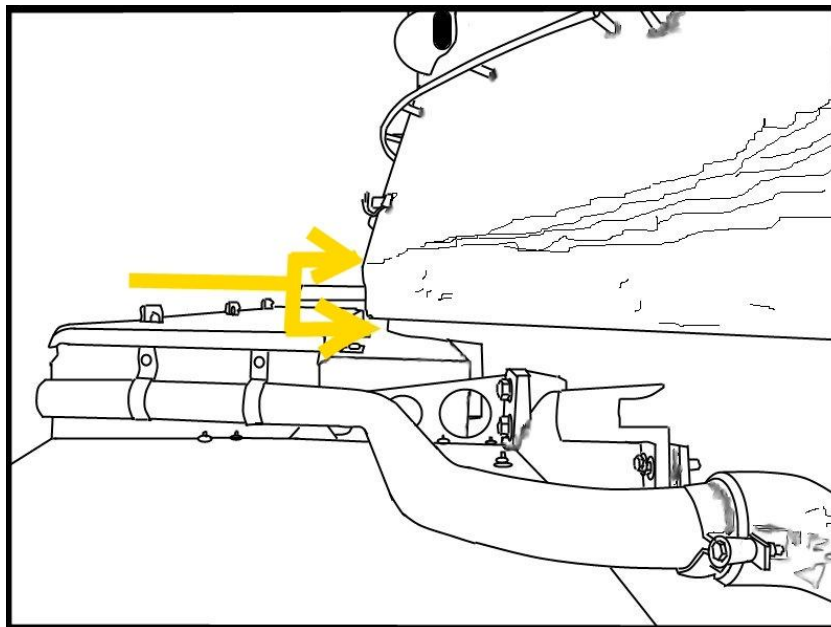
M728 combat engineer vehicle with 165 MM gun



M60s may be encountered with a different style of turret that was introduced to better protect the turret ring on the hull and eliminate a shot trap. The first drawing shows the original style, while the second drawing shows the “*Chin*” turret design.



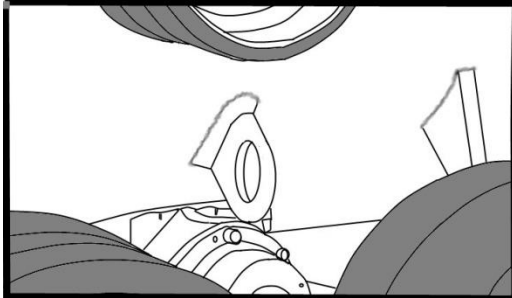
“Chin”



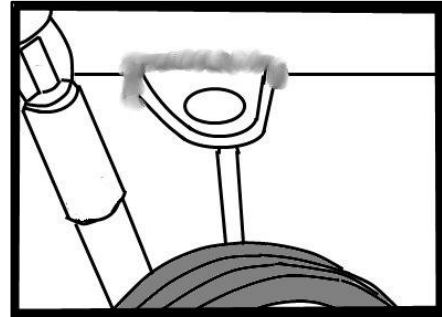
Hull variations

M60s may be encountered with four different hull types. Hull types as defined by **Joe. D** fall into 4 classes identified by track support roller locations and the number of, location and weight ratings of hull lift eyes.

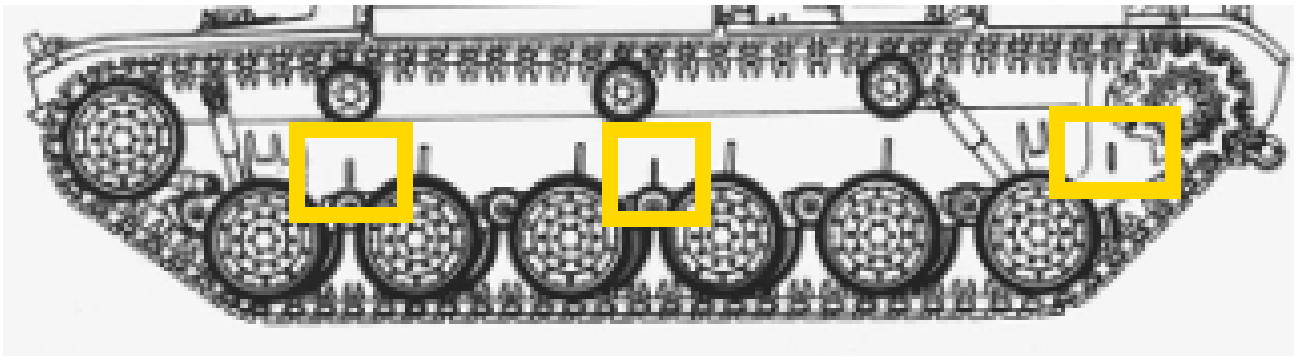
Vertically aligned lift eye



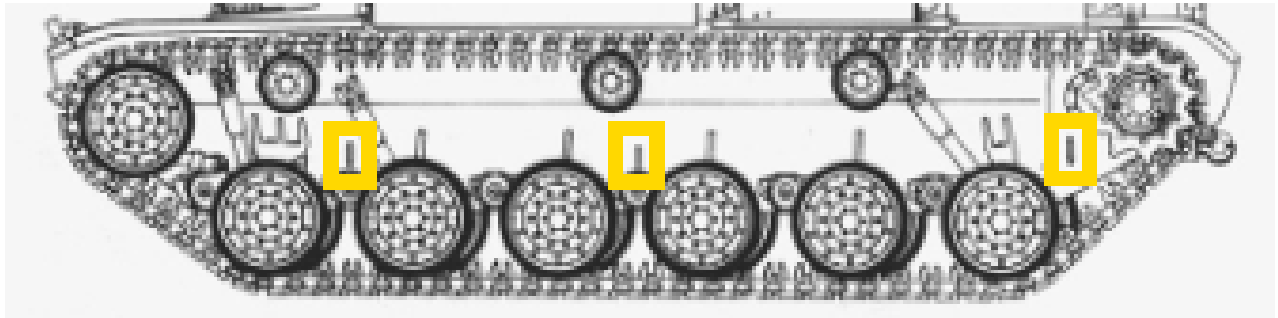
horizontally aligned lift eye



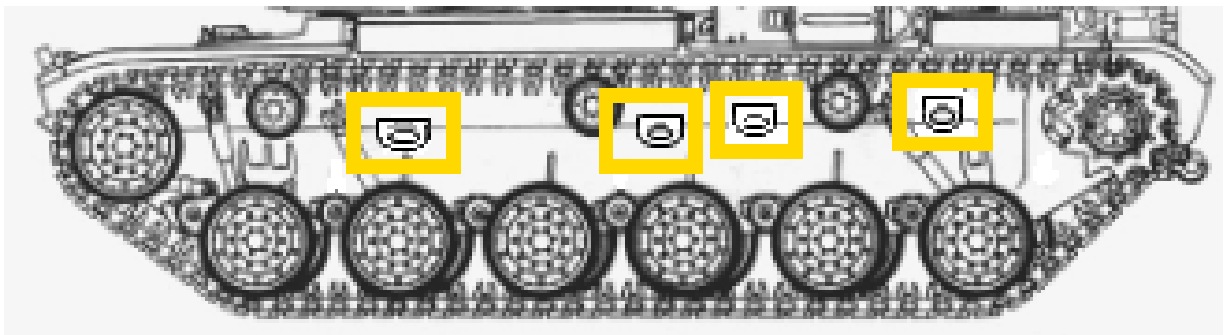
First generation hull –equally spaced track return rollers, two shock absorbers, and 3 vertical lifting eyes (yellow boxes) rated at 20,000 lbs



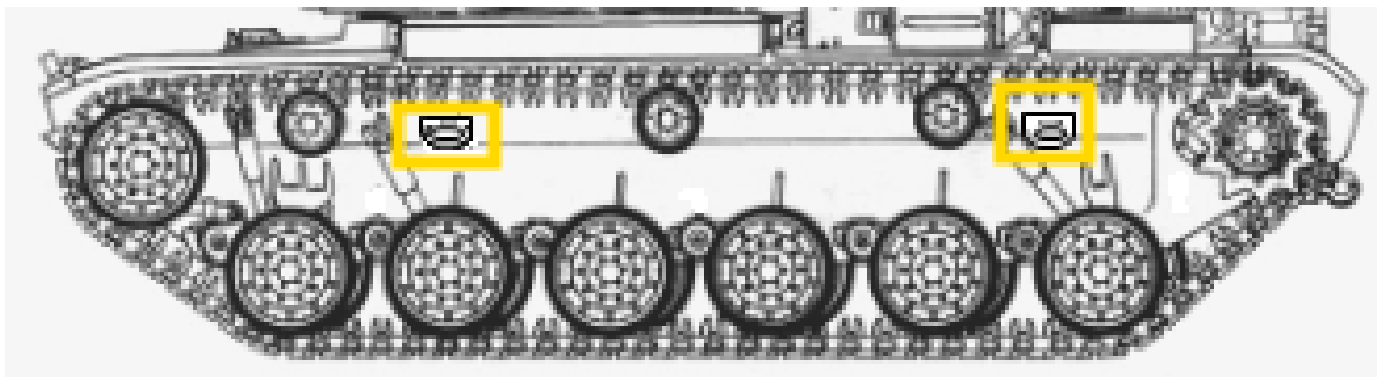
Second generation hull- front track return roller moved forward, three shock absorbers, and 3 vertical lifting eyes (yellow boxes) rated at 20,000 lbs



Third generation hull- front track return roller moved forward, three shock absorbers, and 4 horizontal lifting eyes (yellow boxes) rated at 490,000 lbs



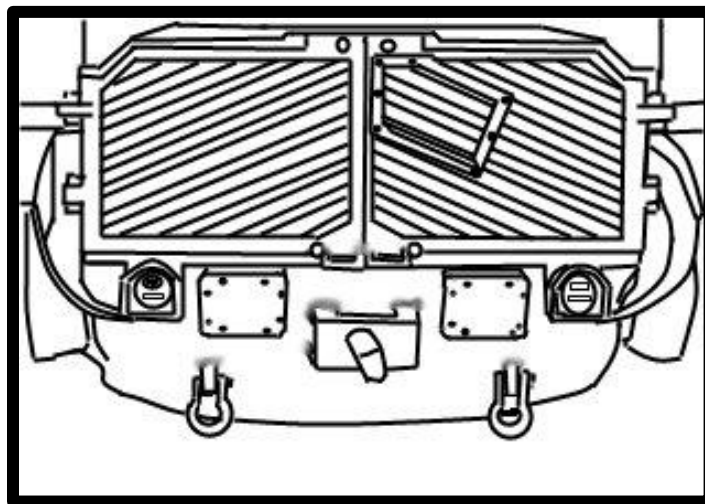
Forth generation hull- front track return roller moved forward, three shock absorbers, and 2 horizontal lifting eyes rated at 490,000 lbs



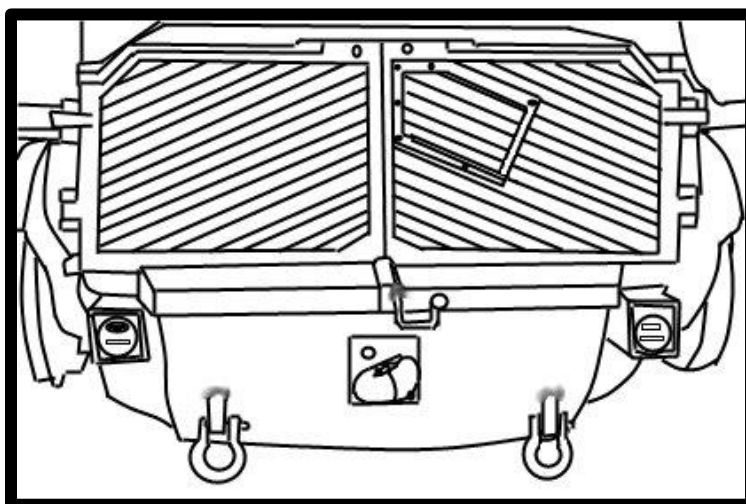
Differences between M60A1 and M60A2 hulls

“Here are two pictures demonstrating the major difference between an A1 and A2 hull. These are of AVLB's. Many A2's still soldier on in Iraq as AVLB's. I know of only 8 "Real" M60A2's left in the world and 6 are confirmed to me with pictures. Contrary to many publications and "Internet Sources", No CEV's, A3's or M48A5's were made of the A2 hulls and issued. Have yet to see any hard evidence supporting these theories. Just studies done by the Army.”- **Joe D.**

M60A1 Hull

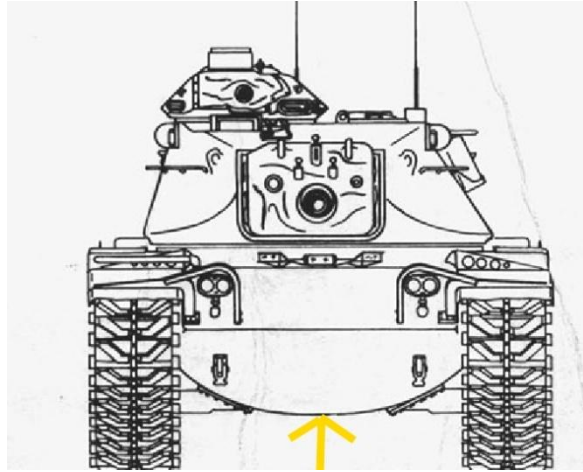


M60A2 Hull



Hull escape hatch

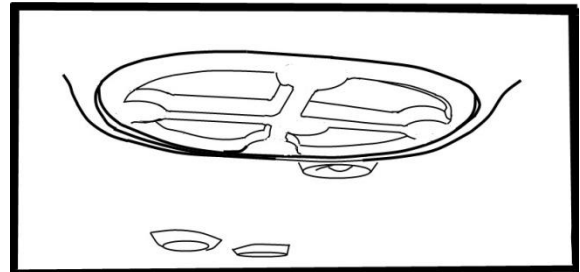
Located under the forward hull, two variations



Early type



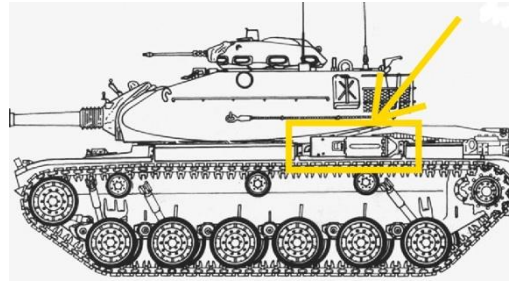
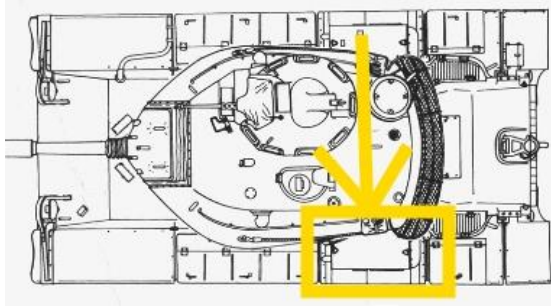
late type



Notes

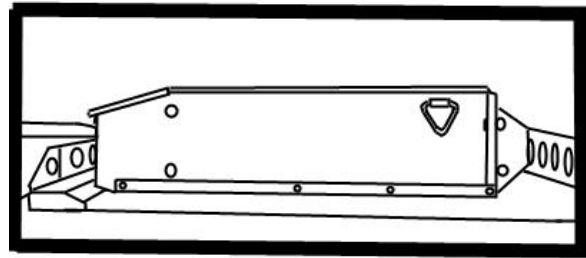
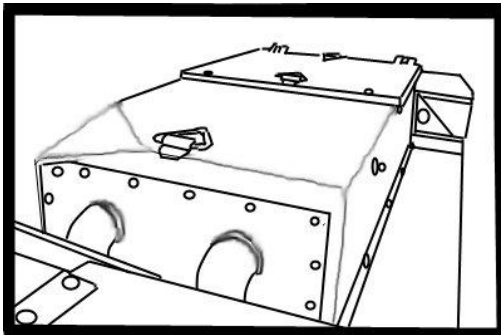
Air cleaner boxes

Located on each side on the tank fender in 4 different variations



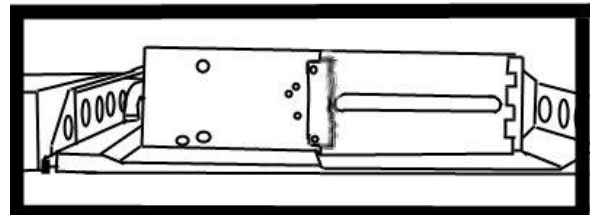
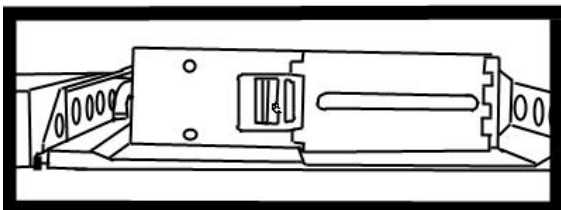
Aluminum top loader

armored top loader



early model side loader

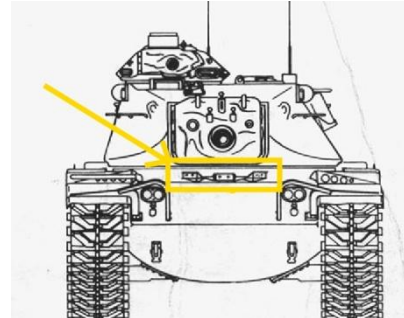
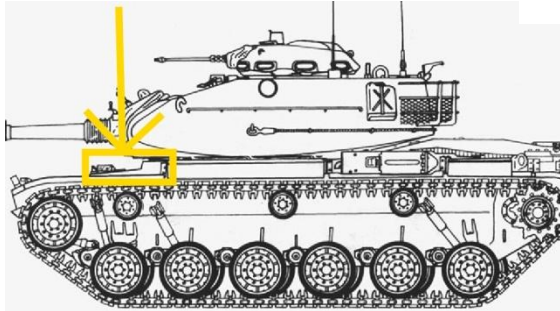
late model side loader



“There were four types. With the exception of the M60A3 you could find any of these on the other models. Side loader’s being found mostly on M60A0’s, M60A2’s and pre RISE M60A1, AVLB and M728’s (CEV). If a tank does not have armored top loaders it is a safe bet it did not get upgraded to RISE standards, but having them does not indicate it has.” – **Joe D.**

Drivers hatch

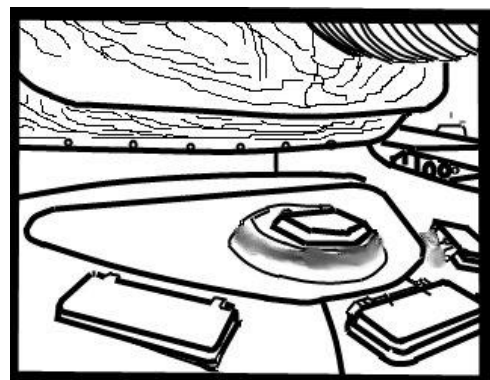
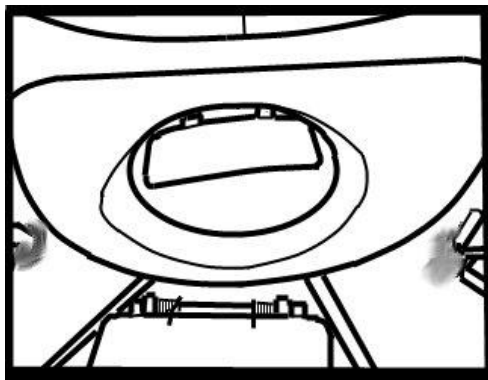
Location on vehicle



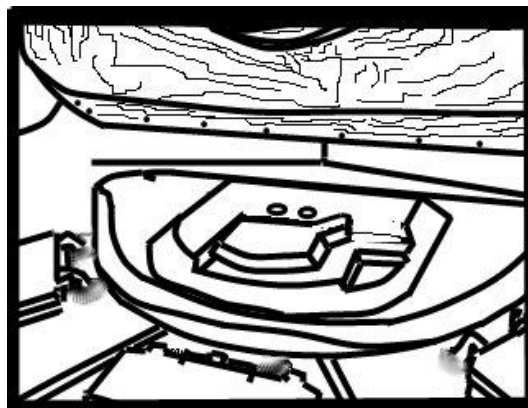
Hatch for **M24 IR** viewer

Hatch for M24 retrofitted for

WS-2 Passive viewer

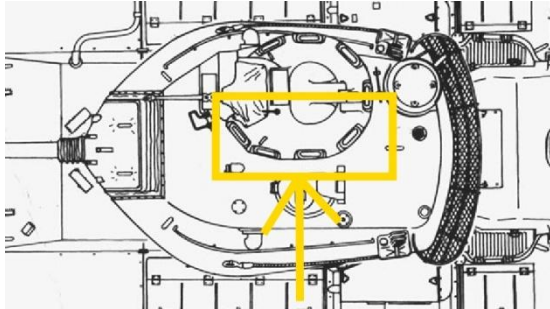


Hatch for **WS-2** Passive viewer

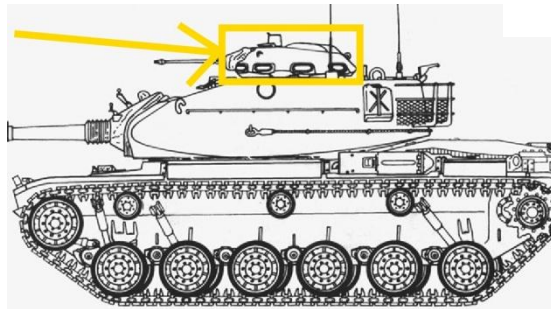


Cupola

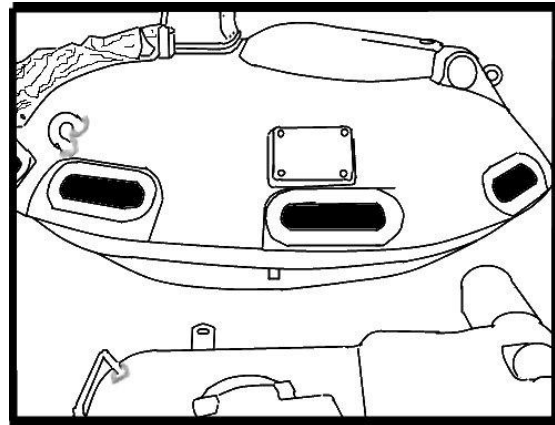
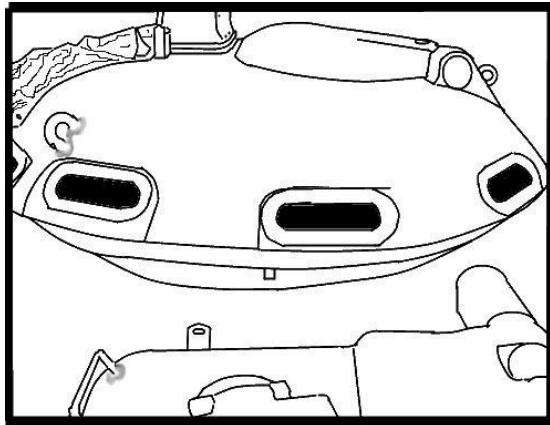
Vehicle location



Standard **M19** cupola



rebuilt **M60A0 M19** cupola

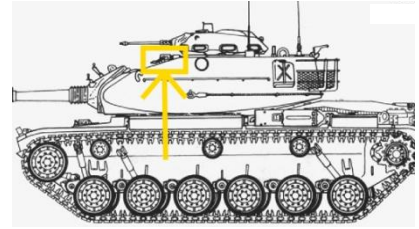
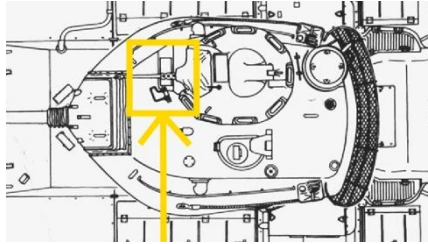
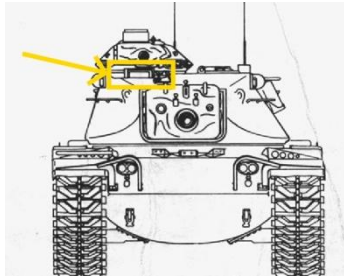


Notes

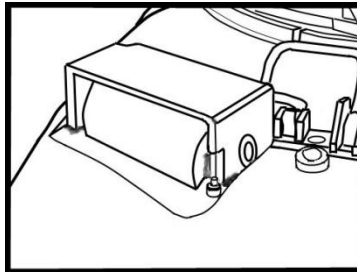
Gunner's sight window

Two variations

Location on vehicle



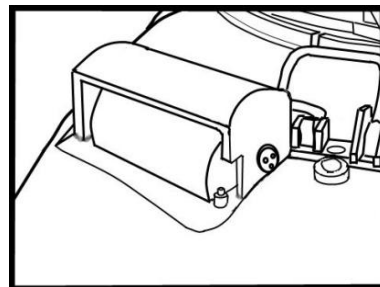
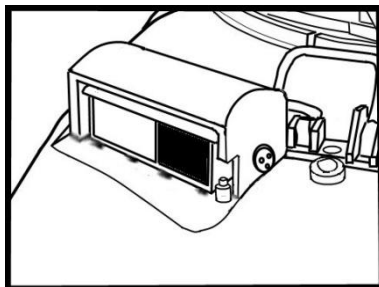
IR/Passive sight housing (closed) Note the flat top of the armored housing



TTS sight housing open

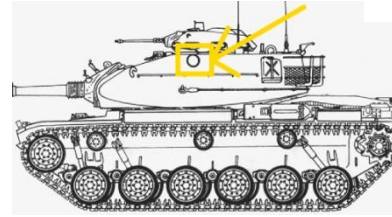
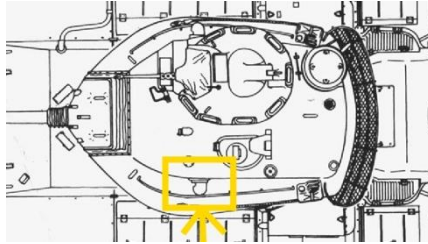
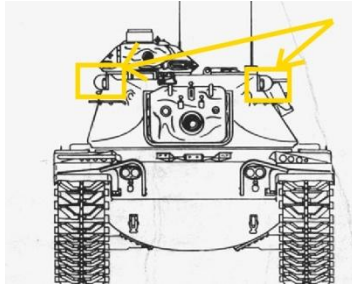
TTS sight housing closed

The top of the armored housing is rounded

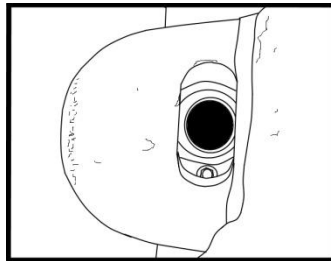


Range Finder

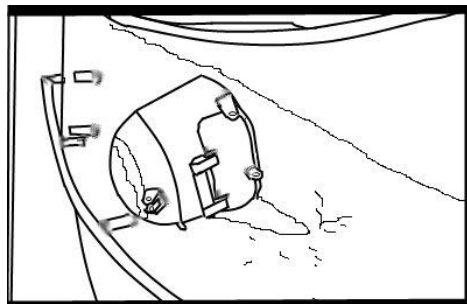
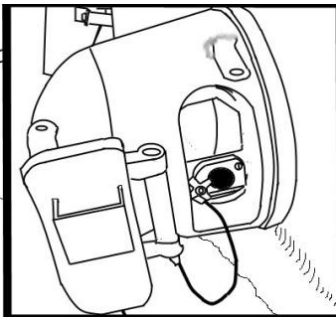
Location on vehicle



Optical rangefinder

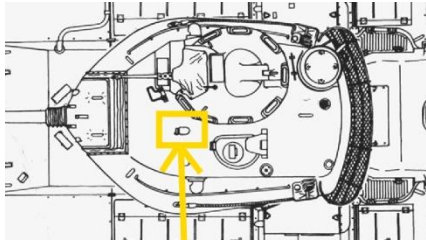


Laser rangefinder, open left, closed right

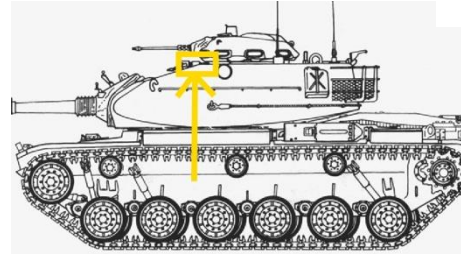
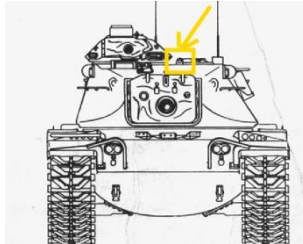


Searchlight cable plug

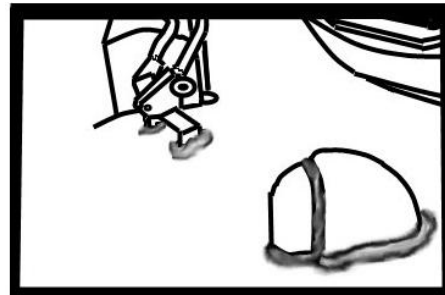
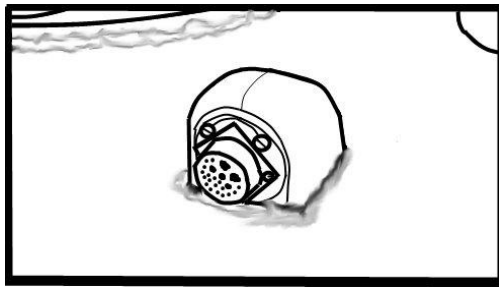
Location on vehicle



M60A1



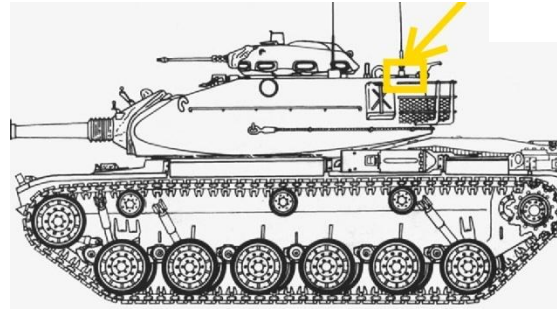
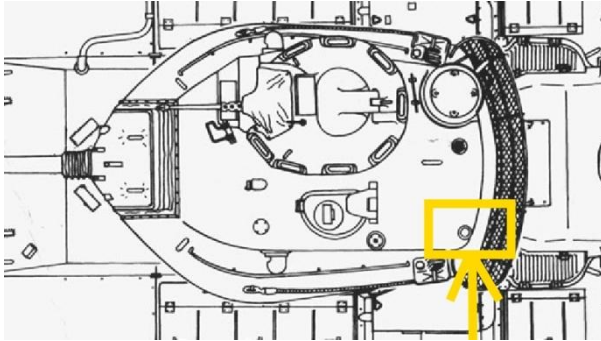
(capped) M60A3



Notes

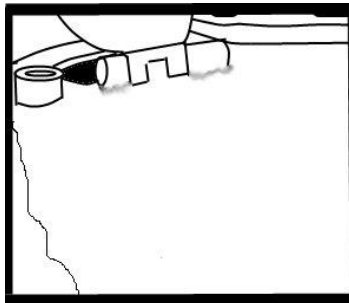
Cross wind sensor mast base

Location on vehicle

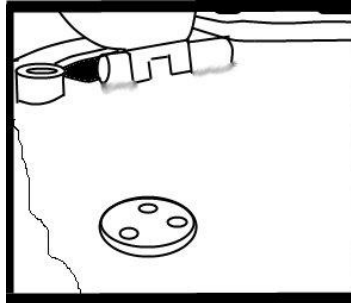


(Sensor mast omitted for clarity)

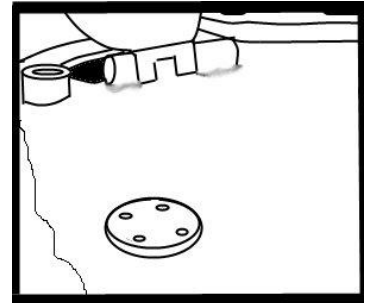
No mast



M60A3 3 bolt cover



4 bolt cover



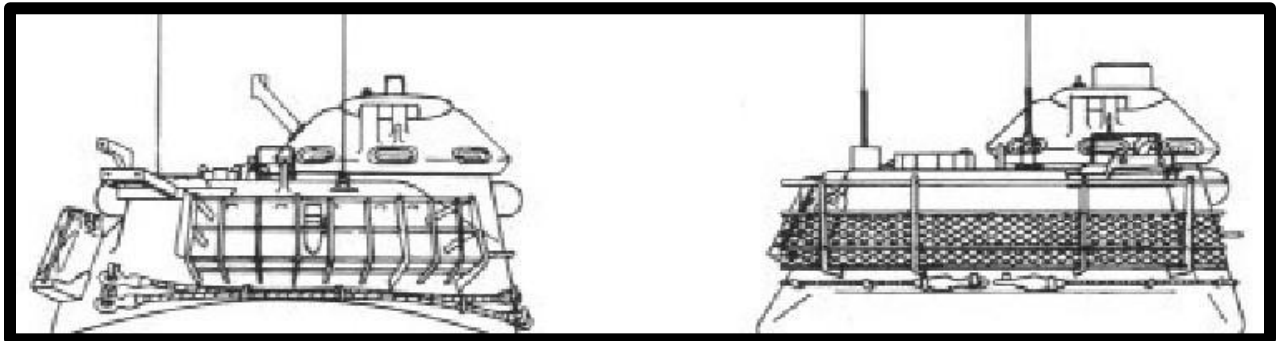
Notes

Bustle rack

Located at the turret rear

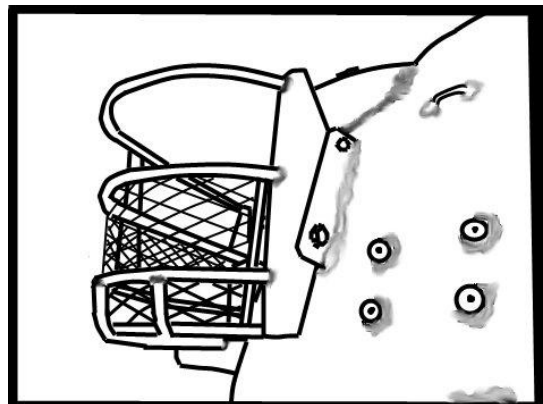
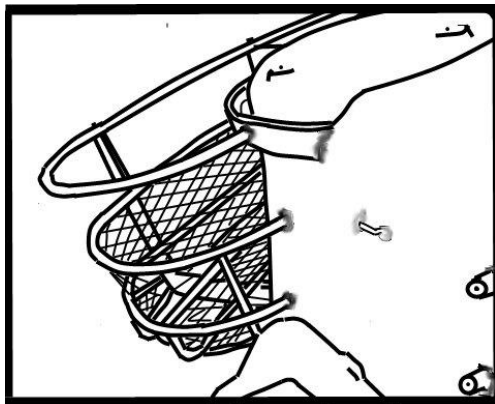
M60

M60A1



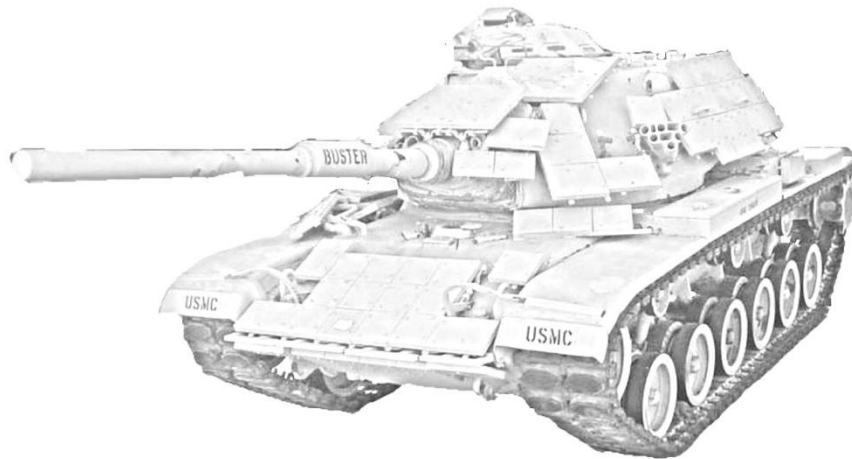
M60A3 one piece rack

M60A3 detachable rack

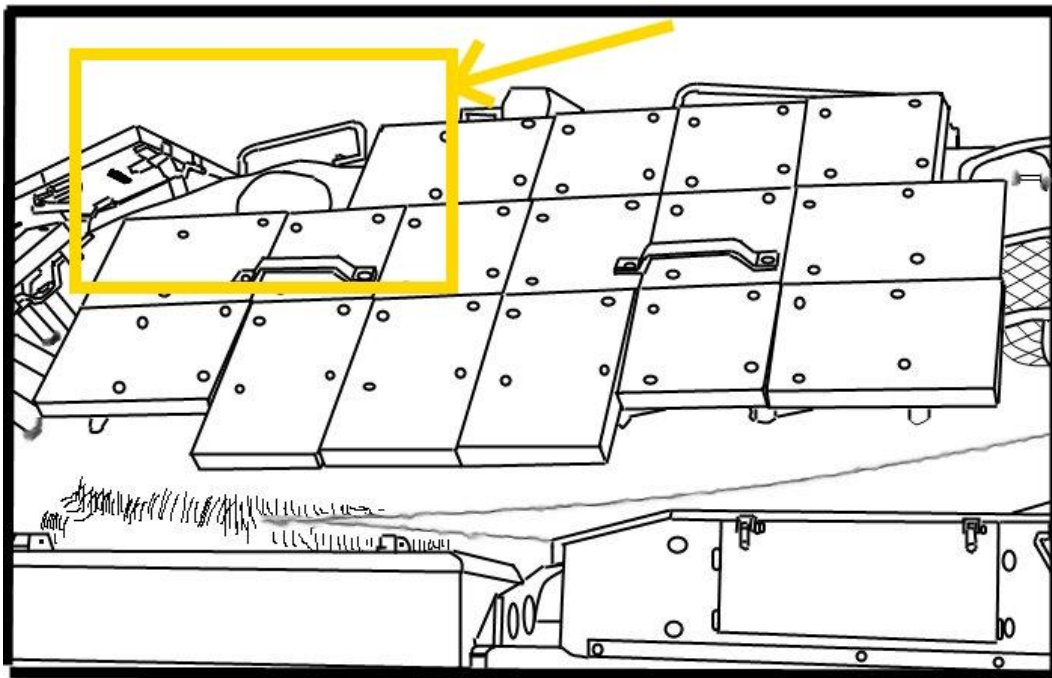


NOTES

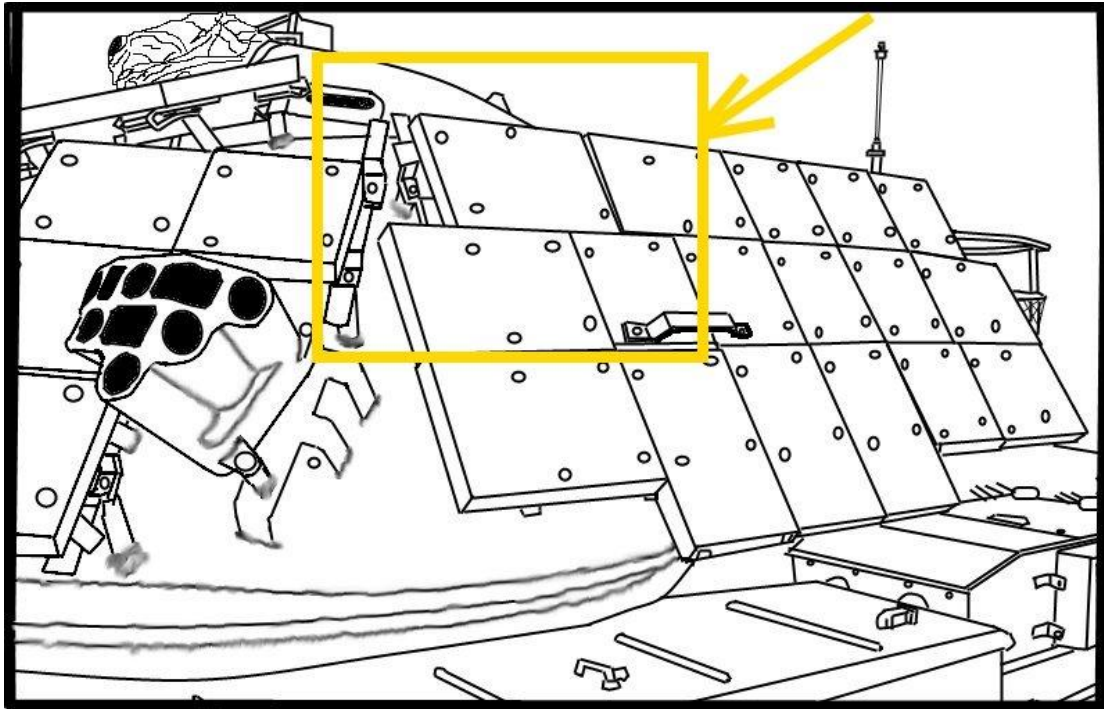
Another variant of the M60 is the “**Blazer**” Explosive Reactive Armor equipped version. *“The Marines were the only ones (U.S.) to use ERA..... The next two pictures show the only difference between an A1 and A3 armor package. The A1 has to leave an opening in the armor for the coincidence range finder optics whereas the A3 only needed the right side open, having a Laser.” – Joe D.*



M60A1

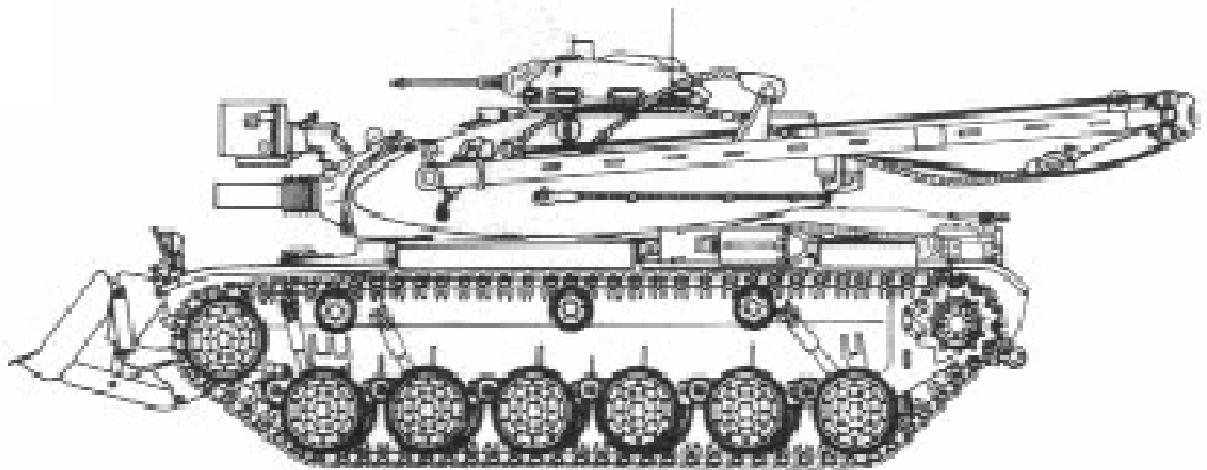


M60A3

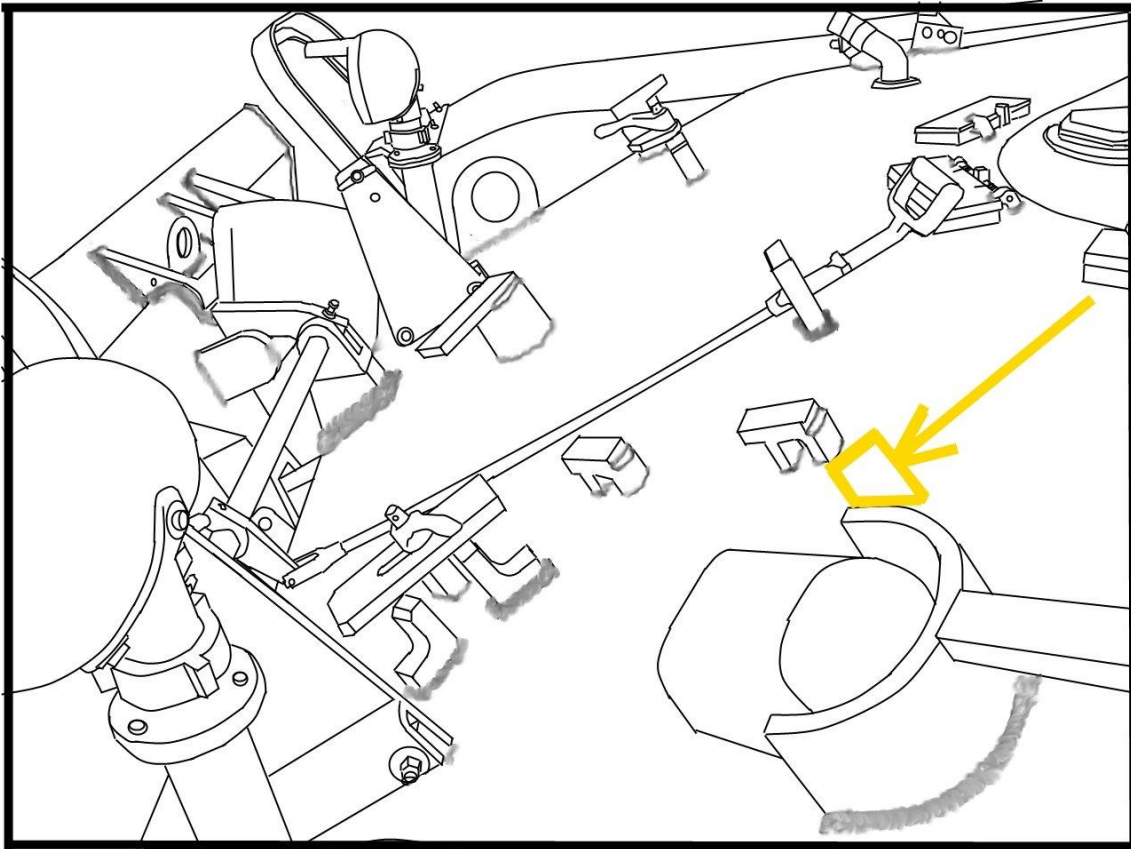


Two further vehicles based on the **M60** chassis may be encountered. They are the **M728** combat engineer's vehicle with the short barreled 165 MM gun., and the **M60 AVLB** bridge laying vehicle. Serial and registration numbers are in the same location on the **M60 AVLB**, but they were relocated on the **M728** because of the front bulldozer blade mounting. Please see drawing for location (yellow box)

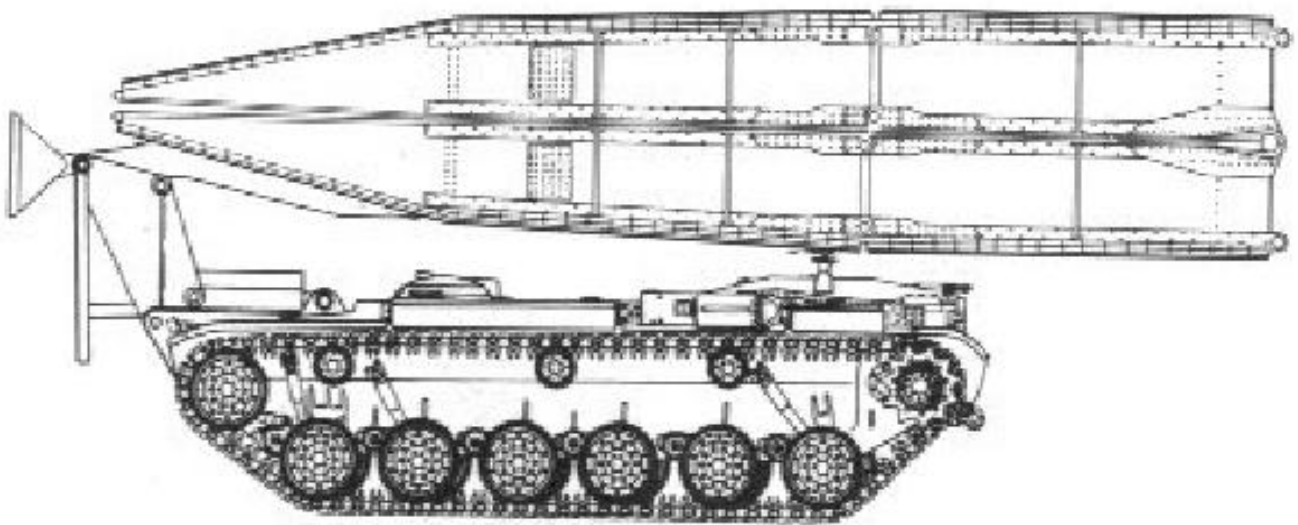
M728

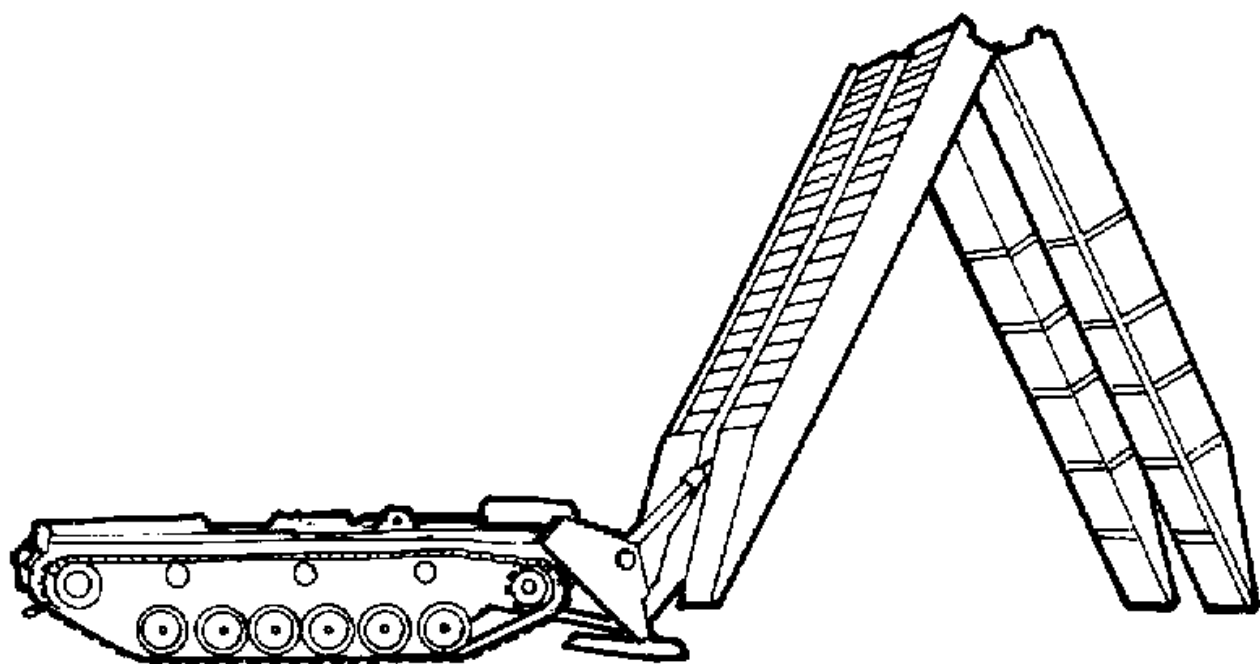


M728 serial and registration number location



M60 AVLB





Feature Checklist

Serial number

registration number

Turret

M60

Converted **M48**

early **M60**

M60A1

M60A2

M60A3

M728

"Chin " armor

Yes

no

Hull

Gen. One

Gen. Two

Gen. Three

Gen. Four

Hull rear

M60A1

M60A2

Escape hatch

Early

late

Air cleaner boxes

Aluminum top loader

armored top loader

Early model side loader

late model side loader

Drivers hatch

M24 ☐

M24 retrofit for WS-2 ☐

WS-2 ☐

Cupola

M19 ☐ M60A0 M19 rebuild ☐

Gunner's sight

I/R passive ☐ TTS ☐

Rangefinder

Optical ☐ laser ☐

Searchlight cable plug

M60A1 ☐ M60A3 ☐

Cross wind sensor mast base

None ☐ 3 bolt hole ☐ 4 bolt hole ☐

Bustle rack

M60 ☐ M60A1 ☐ M60A3 one piece rack ☐ M60A3 detachable rack ☐

"Blazer" ERA ☐

With M60A1 turret ☐ with M60A3 turret ☐

NOTES
