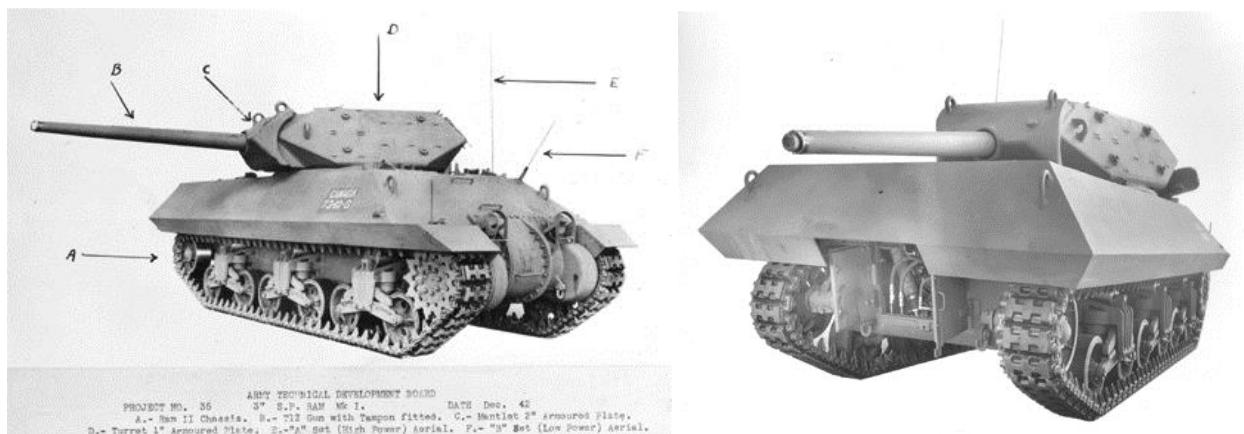


RAM 3-inch SPG

The RAM 3-inch SPG was a test vehicle developed by the Canadian Army to explore the development of a leading edge “tank buster” to meet CAOS and British requirements. The preeminent Allied anti-tank gun at that point in time was the American M10 3-inch SPG. Canada was only able to obtain an early M10 turret which was fitted to a modified Ram II tank chassis. The upper RAM hull was constructed to US supplied M10 specifications with modifications provide for access to the RAM Wright radial power plant, and for a right hand driving position.

The vehicle was tested in Canada and Britain, While the chassis and drive train proved exceptional, the turret suffered from several weakness. The primary defect was the manual turret control that made it impossible to rotate it when on an incline. The vehicle was not approved for further development.



Notes on Prototype

1. Canadian RAM tank where cousins of the American M4 Sherman in that their design started with the American M3 Lee. They retained the M3 riveted lower hull, drive train, and radial engine power plant
2. The 3-inch RAM SPG was basically an M10 turret and upper hull on a Lee lower hull and drive train
3. Entire project only lasted 14 months May 1942 – July 1943so minimal weathering on the tested vehicle

References

1. **Canada's Pride, The Ram Tank and It's Variants**, Roger V. Lucy, Service Publications, 2014
2. **Maple Leaf Up Forum, 17-pdr Sexton / 3 inch Ram SP**, Hanno Spoelstra, December 2nd 2005

- Model Components**
1. Kit bash of components from:
 2. AFV Club #35024 M10 Tank Destroyer, upper hull and turret
 3. Italeri # 2006 M7 Priest Self Propelled Howitzer: lower hull, engine deck, rectangular air cleaners
 4. Tamiya # 35039 M3 Lee: bogie and head lights
 5. Verlinden #1244 M4 Sherman Interior
 6. Panda Plastics #WD212 WE210 Double I Track
 7. AFV Club # AG35031 U.S. 3 Inch Gun Ammo Set Brass
 8. Tichy Train Group rivets
 9. Formations: Fuel Caps
 10. Spares Box
 - a. differential cover from Dragon Sherman
 - b. fish tail exhausts from Dragon Sherman

Notes on Build

1. Interior

- a. Installed Verlinden interior detail set in Italeri Priest lower hull
- b. Reversed driver and gunner positions with appropriate changes to control mechanisms
- c. Scratch built fighting compartment floor with Evergreen and brass flooring stock
- d. Added rivets to interior hull sides.
- e. Added British No. 19 radio to hull sponson beside gunner position.
- f. Add front engine housing visible below engine deck air intake vent.

2. Upper Hull

- a. Moved driver's hull periscope from left to right side and antenna mount from right to left side of forward hull
- b. Replaced upper deck engine covers with ones from Priest.
- c. Replaced vent screen with brass mesh
- d. Added resin fuel filler covers

3. Lower Hull

- a. Added early three piece differential cover to lower hull
- b. Added Priest rear engine access hatch and air cleaners
- c. Replaced exhausts with fish tail type.
- d. Added rivets to exterior hull sides

4. Drive Train

- a. Added bogie from Tamiya Lee
- b. Added Dragon drive sprocket and idler from spares box
- c. Add Panda WE210 tracks

5. Turret

- a. Built turret as provided by AFV.
- b. Added brass rod tie downs
- c. Replaced ready position ammo with AFV brass shells

6. Details

- a. Added Lee headlights to transmission cover and scratch built brush guards
- b. Added Radio B antenna mount to driver side glacis

**Notes on
Finish**

1. **Base:**
 - a. Stammer Tamyia SCC2 mix: 5 parts XF68 Nato Brown, 4 parts XF3 Yellow, and 1 part XF1 Black

2. **Weathering:**
 - a. Minimal color modulation by adding Tamyia XF 21 Sky to base mix
 - b. Washed with Raw Umber oils
 - c. Applied dust coat of Humbrol 121 Pale Stone
 - d. Lower Hull and drive train treated with Tamyia Sand Pastel and AK European Earth pigment

3. **Markings:**
 - a. Woodland Scenics Dry Transfers