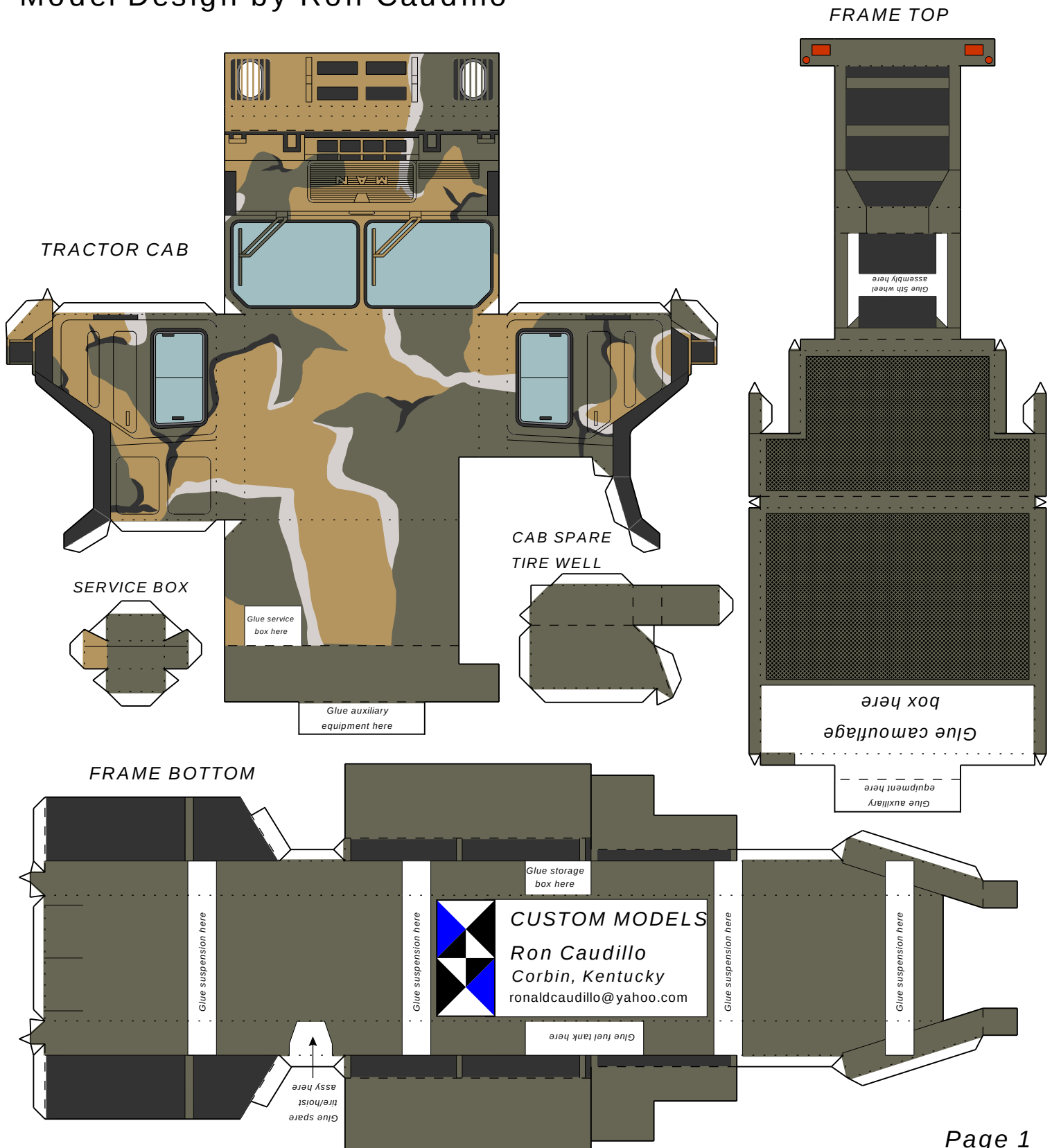


USAF Ground-Launched Cruise Missile M.A.N Tractor

Scale: 1/48

Model Design by Ron Caudillo

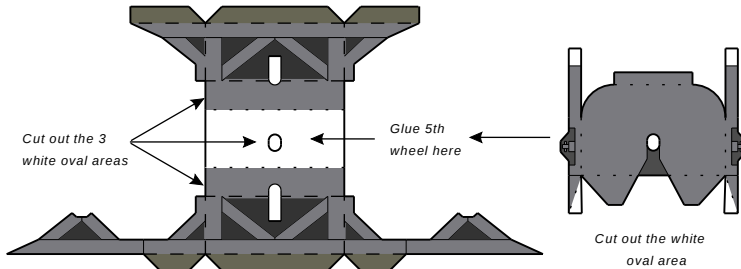


USAF Ground-Launched Cruise Missile

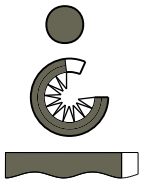
M.A.N Tractor

Model Design by
Ron Caudillo

5TH WHEEL ASSEMBLY



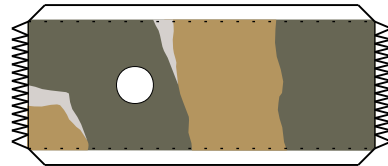
AIR CLEANER



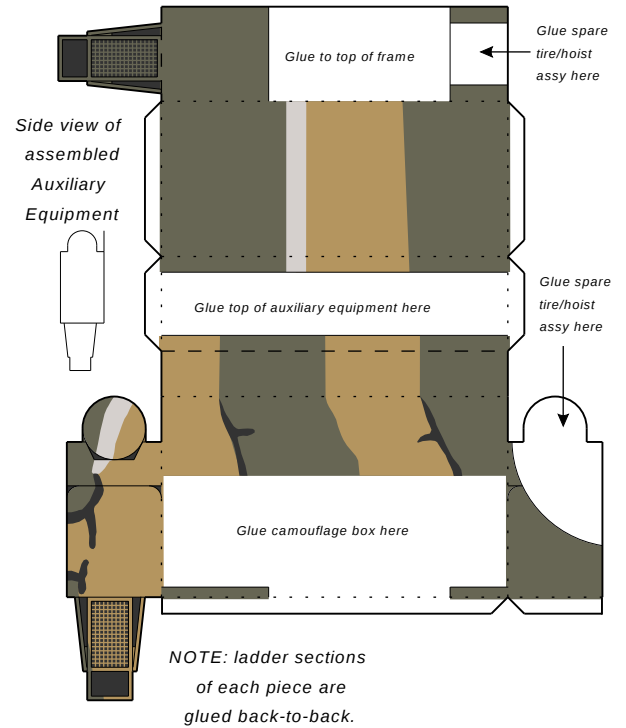
Glue air cleaner assy to white circle on top

TOP OF AUXILIARY EQUIPMENT

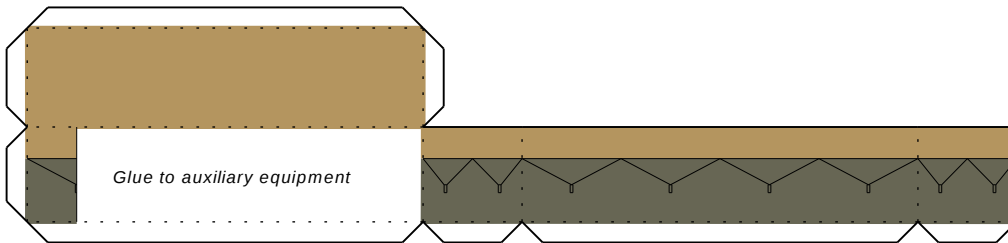
Roll to 1/2 round shape



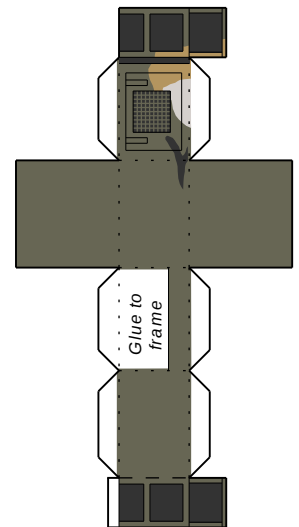
AUXILIARY EQUIPMENT



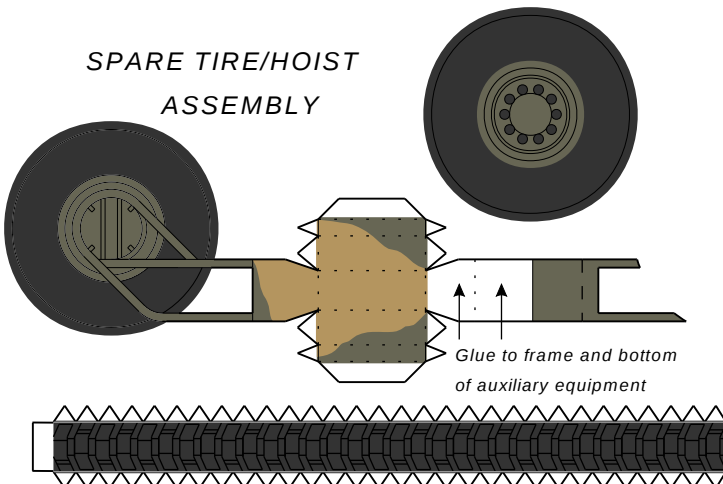
CAMOUFLAGE BOX



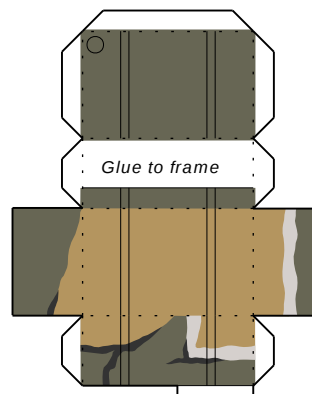
STORAGE BOX



SPARE TIRE/HOIST ASSEMBLY



FUEL TANK

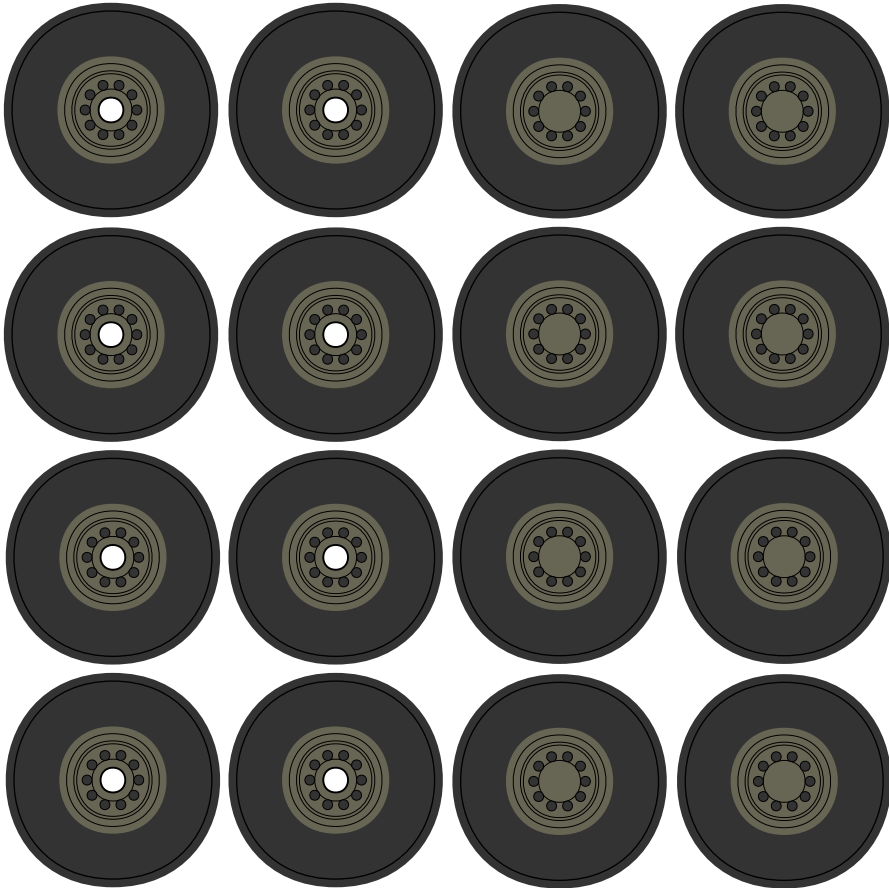


USAF Ground-Launched Cruise Missile

M.A.N Tractor

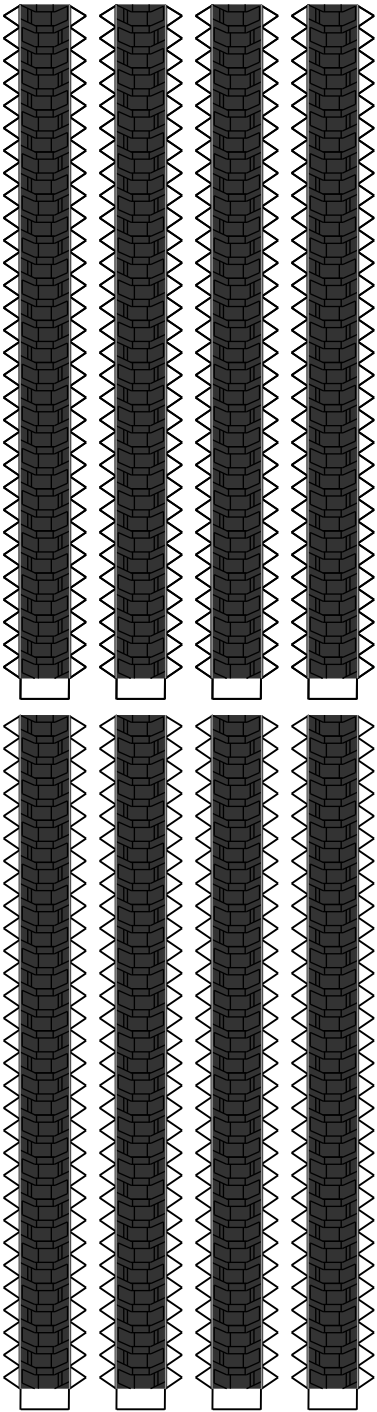
Model Design by Ron Caudillo

TIRES - INNER
Cut out white circles



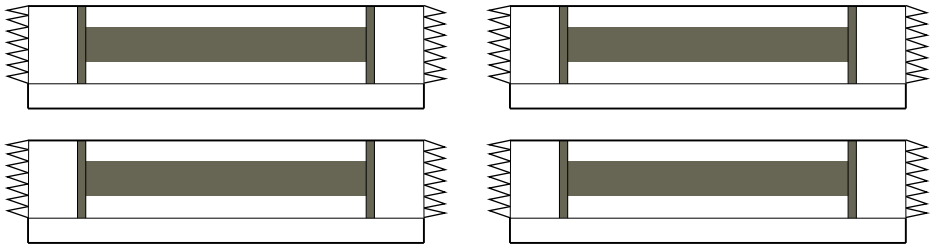
TIRES - OUTER

TIRE TREADS



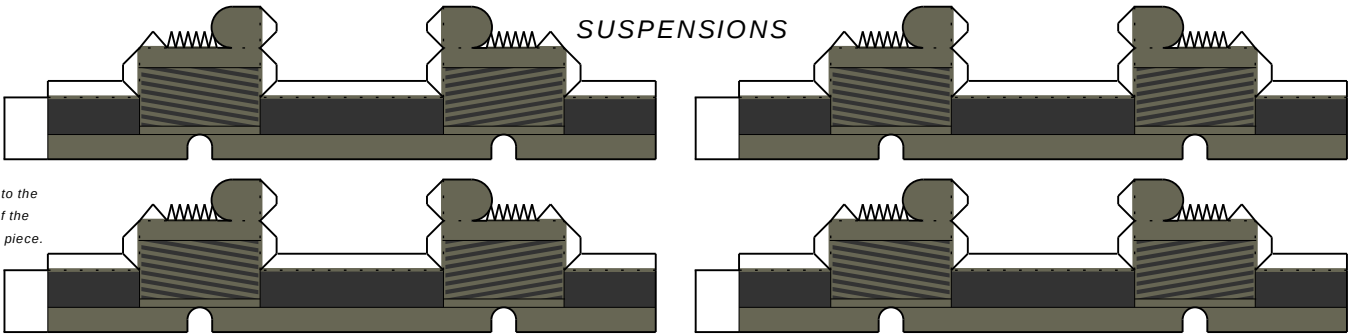
AXLES

Roll to form tubes



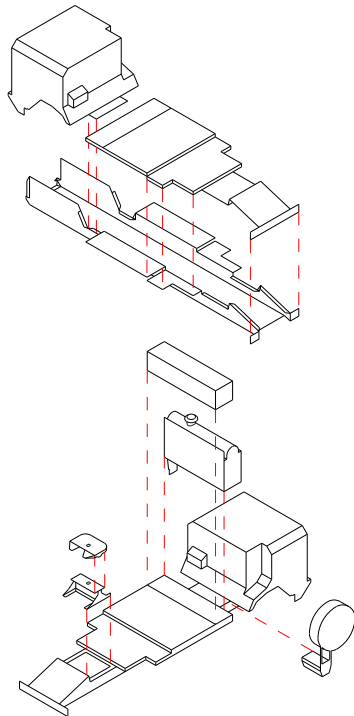
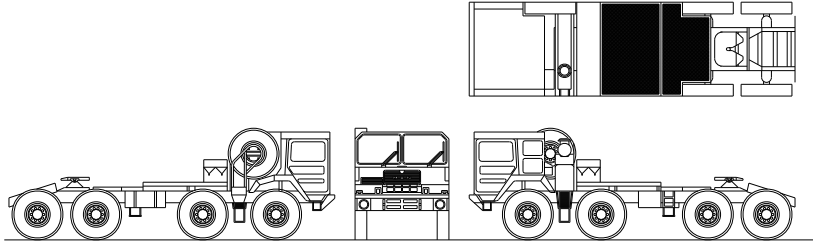
SUSPENSIONS

Glue the tab to the other end of the suspension piece.



USAF Ground-Launched Cruise Missile M.A.N Tractor

Model Design by Ron Caudillo



Assemble the cab and attach the spare tire well and service box pieces to it.
Assemble the frame top by folding and joining the small tabs at the decking.
Fold up the frame bottom.
Join the frame top to the bottom. Join the cab assembly onto the frame assembly.

Make the auxiliary equipment assembly by joining the auxiliary equipment, top of auxiliary equipment, and air cleaner pieces together. Glue to the frame assembly just behind the cab.

Make the spare tire assembly and glue it to the frame the auxiliary equipment assembly in the marked areas. Note that the spare tire assembly is not glued to the cab spare tire well.

Assemble the camouflage box and glue it to the frame just behind the auxiliary equipment.

Make the 5th wheel assembly and glue it to the frame towards the rear.

Assemble the fuel tank and storage box. Glue them to the frame into the marked areas. Make sure the small white tabs that stick up goes under the frame decking.

Make 2 tire assemblies and join them with an axle. Assemble a suspension piece and glue it under the cab. Glue the tire/axle assembly into the suspension and verify that the model sits straight on a flat surface. Adjust this by either raising or lowering one side of the axle/tire assembly in the slot of the suspension. Repeat at the rear of the model, making sure all 4 tires sit flat on a smooth surface. Let the model dry for awhile and attach the last 2 suspensions to the middle marked areas. Glue the last 2 tire/axle assemblies into place. Ensure all 8 tires sit flat on a smooth surface.



Ron Caudillo in the cab of a M.A.N. Tractor in the Spring of 1989.

The M.A.N tractor was a design built by the Maschinenfabrik Augsburg-Nurnberg company in Germany to support the USAF Ground-Launched Cruise missile program. It towed either 4 Gryphon cruise missile housed in the Transporter-Erector Launcher (TEL) or 2 launch control officers housed in the Launch Control Center (LCC).

This 8-wheel drive tractor was the ultimate off-road vehicle with the 2 front axles being steerable to provide excellent maneuverability.

The V-24 diesel engine gave the M.A.N. tractor awesome power and it's crews became attached to them just like the bomber crews of World War II to their airplanes; often naming their tractors,

LEGEND

—	Cut line
- - - - -	Fold up line
.	Fold down line
—	Detail line
	(do NOT cut)