



Mouse Armour

1/35 scale
Kit MA112 Short wheel base
Land Rover Series 2- Gun
buggy / 106mm RR

Researched and crafted by Paul Ramsden and John Myszka

Background

In 1961 the Army Design Establishment produced a highly modified Land Rover to carry the M40A1 106mm recoilless rifle. Following trials the combination was approved for service and 68 Series 2 and 2A Land Rovers were modified. Initially they served with the Armoured Corps but later in anti tank platoons of infantry battalions. Several served in South Vietnam as 106mm RR but also as gun buggies for convoy escorts armed with M60 machine guns. They were finally phase out of service in the 1999.

Parts

Radiator with front part of mudguards	2 x brush guard supports / food bin / barrel lock hinge / 50 cal mags in box	Cleaning brush tube + barrel lock
Bonnet	Taillights / rear spring location points	Centre console
Left/ right front mudguards	Rear ammunition cowls (left / right)	Low back seats X2
Rear chassis	106mm front wheel guide	Seat panel frame X2
Rear tray		Photoetch dividers
Brush guard		106mm RR legs (Y shape)
Dividing wall	Front lower windscreen	6 x 106mm tubes
Exhaust pipe	Jerry can / handle / mount (option for 1990s version)	4 wheels + one spare

Tools

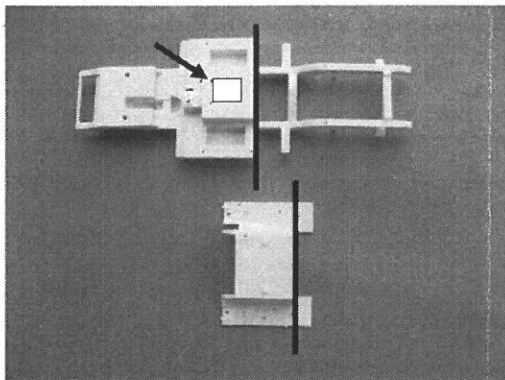
Handy tools would include a sharp model knife and wet and dry sandpaper.

Safety

This is a resin product so keep it away from extreme heat and naked flames. When sanding do it in a well-ventilated area and do not inhale the resin dust - wear a mask. Use wet sanding methods to reduce the dust.

Construction

The base kit for this conversion is the Tamiya Pink Panther kit 76 or Tamiya Ambulance kit 82
To make the 106mm RR version you will need the AFV Club kit 35021.

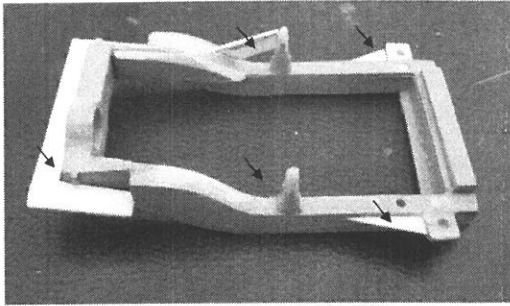


Trim Tamiya parts A1 and A2 chassis as shown. Ensure cut through chassis is at a right angles.

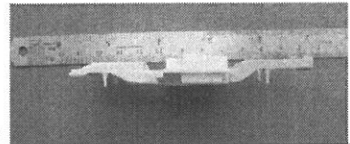
See image 6. Australian SWB Land Rovers had a centre console. After fitting the seats B26/B28 cut a hole to fit the resin part provided. The sides of the resin piece will need to be sanded to fit.

2 Glue part A2 to A1. Glue the resin radiator and wings () and side mudguards () to part A2. When set add resin bonnet. (image 6)

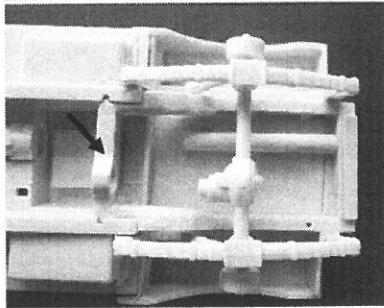
1



3 Clean up and add shortened resin rear chassis. Remove casting guides. Test fit and make sure that the plastic and resin chassis parts are level

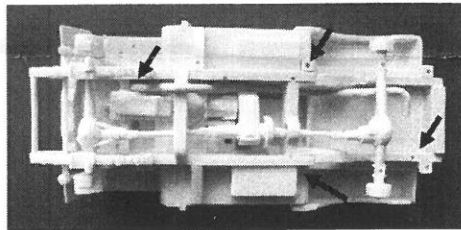


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(4)

4 Superglue the dividing wall into the front of the resin rear tray. Once set, superglue to rear chassis. Add the cleaning brush cylinder so that it lines up with the outer tear drop cover.



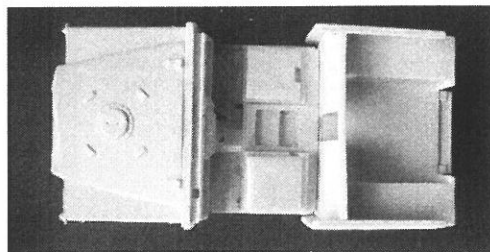
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5. At this point add the resin exhaust pipe. Drill a 2mm diameter hole in the corner next to the engine. Feed the pipe under the cross member (arrowed).

Muffler /exhaust pipe end. Part A20- cut it so that when A25 is added there is a recessed hole so that the resin exhaust pipe end will fit inside it. Once done use the A25 locating pin to glue into the chassis member.

Add the left and right front spring locating points – hard up against the fuel cells/chassis.

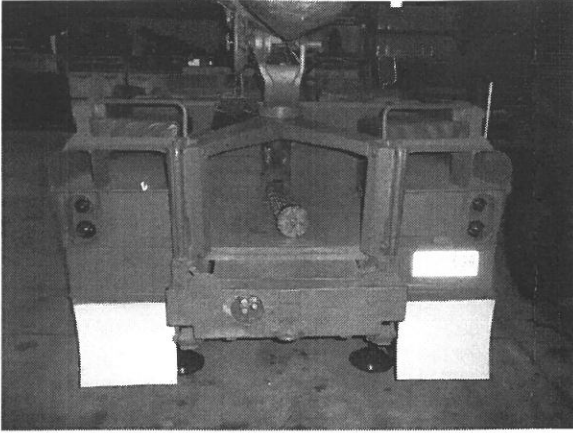
5A Take part A16 and shorten the shaft nearest the rear axle by 11mm. Glue the drive together and glue into place with front and rear differentials. Add parts A11 (rear axle) and A8/A7.



(6)

6 Part B31 remove the small bump on the left middle and replace with small resin box.

Add the lower windscreen and on the inner lip add the barrel hinge. Add the barrel lock in either up or folded inward.



7

7 Add the rear ammunition cowls – left and right. The dividing fin goes between the outer and centre ammunition tube on both sides.

The light cluster fits between the (PE) fin and the outer edge of the cowl.

The seat panel frame sits on the guide on the front divider and the cowl at the rear – add the two seats. The seat panel frame fits above of the ammunition tubes but not on them.

The kit also includes a replacement leg unit designed for the AFV Club M40 recoilless rifle. The replacement leg unit is set at the correct angle to fit this resin set. (parts used D5-D7 and D2/D3. Then assemble sections 2 and 3 as per AFV Club instructions for the 106mm RR. Once the rifle is assembled, place into position and locate the front wheel guide between the two front seats (See **B** on next page).

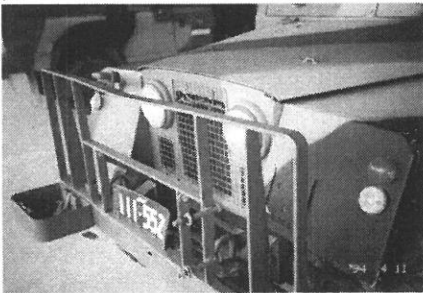


Vietnam Gun Buggy

Remove the barrel lock and do not use the M40 106mm RR legs and AFV Club kit. Everything else remains the same. Cut a sheet of 40 thou that fits the rear cargo bay. Add 4 grab handles, two at each end.

Add a post of 40 thou rod and add your M60 machine gun. The post should be supported at the base with 4 triangular fillets.

A star picket could be added as a wire cutter. Added to bumper bar on passenger side and braced as illustrated.

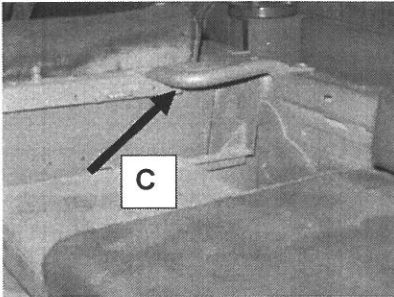
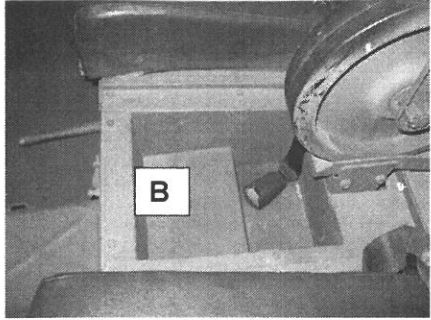
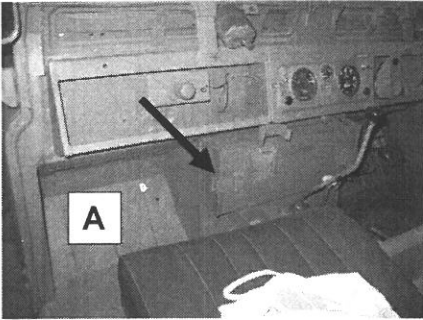


For more references :

<http://www.mheaust.com.au/Aust/Austindex.htm> and page down to walkarounds

Option: 1990s

During the 1990s a spare wheel and jerrycan were mounted on the front bumper bar. The kit provides one metal jerrycan and holder for the right side of the Land Rover. The spare wheel was simply attached by being bolted to two long bolts welded to the brushguard



A Shows the front dash area including the small box just forward of the gear stick.

B Shows the position of the 106mm front wheel guide and of the RR front wheel.

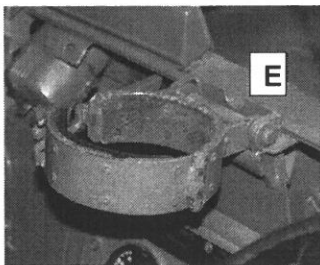
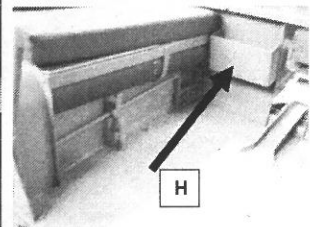
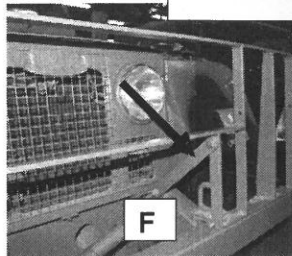
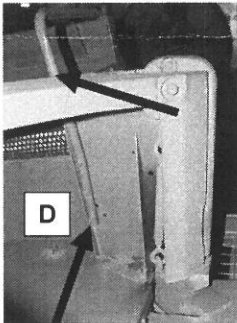
C Shows the right grab handle – same one on the left side (flexible wire provided in conversion kit)

D The rear grab handle. – left and right.

E The barrel lock and hinge detail

F The brush guard support both sides.

H Shows position of seats above 106mm rounds. The small box is for spotting rifle magazines



G Alternate side body panel front (not provided). You can use the Tamiya parts A23/A24 and cut to this shape. Both mudguard versions served in Vietnam and after.