



**1:35
SCALE
MODEL**

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K156

**AUSTIN 'Tilly'
4x2 Utility Car**



**A complete model in polyurethane resin and etched brass
with full interior, engine & chassis detail & decals.**

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RESIN PARTS

1	Floor pan	2+1
1	Cab	1
1	Rear body	1
1	Canvas 'Tilt' cover	1
1*	Tail gate (early)	2*
1*	Tail gate (late)	1
1	Bonnet (hood)	2
1	Rear canvas cover	1
2*	'Civilian' wheel	1
4	Wheel	1
1	Spare wheel	1
2	Front seat	1
1	Front axle	1
1	Rear axle	1
1*	Radiator canvas	1
1	Radiator	1
1	Engine block	1
2	Rear seat base	1*
2	Rear seat back	2
4*	Wheel hub	1
1	Fan	1
1	Indicator	1
1	Engine manifolds	1
1	Right headlamp	1
1	Left headlamp	1
1	Stowed shovel	1
1	Oil can	1
1	Reservoir	1
1	Rear bumper	1
1	Pulleys & belt	1
1	Air cleaner	1
1	Water top hose	1
1	Oil filler pipe	1
1	Exhaust down pipe	2
1	Exhaust tail pipe	2+1
1	Front bumper	10+2
1	Stowed pick handle	2
1	Spring-Front left	
1	Spring-Front Right	
1	Exhaust silencer	
1	Propshaft	
1	Steering track rod	
2	Spring-Rear	

ETCHED PARTS (prefixed 'E')

1	Weight disk	1
2	Rope cleat	5
3	Front grille	1
4	Front grille plate	1
5	Top cover	1*
6	Mud flap	2
7	Wheel spokes	1
8	Rear lift eye	2*
9	Front lift eye	2*
10	Windshield wiper	2
11	Strap end	21*
12	Bonnet (hood) stay	1*
13	Bumper spring	2
14	Pole upper lock	2
15	Pole lower holder	2
16	Oil can handle	1*
17	Bonnet hinge	2*
18	Bonnet lock	1*
19	Oil can spout	1*
20	Pole upper plate	2
21	Tail gate pin chain	2+1
22	Tie down	10+2
23	Tail gate chain	2

OTHER MATERIALS

Rod#1	0.88mm Plastic rod
NY	Nylon chord for tie downs
GL	Glazing sheet

+=spares provided **=optional parts

General Instructions

SAFETY

As with any plastic model kit, do not expose the completed model or parts to extreme heat or naked flames. When sanding or cutting parts, ensure to minimise the generation of dust particles by wetting the surface, if this is not possible use a good quality face mask.

AFTER A SANDING OPERATION WASH YOUR HANDS

For bonding main structural parts use DEXCON (or a similar Epoxy cement) and for all other parts use cyano-acrylate "Super-glue" after the parts have been tested for fit. Follow the safety instructions on the tube, and use only in a well ventilated room. This product contains small sharp parts, keep all parts, tools and materials out of the reach of children and pets.

TOOLS

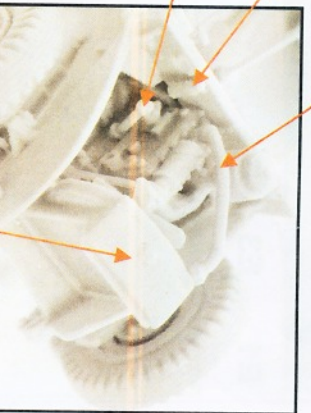
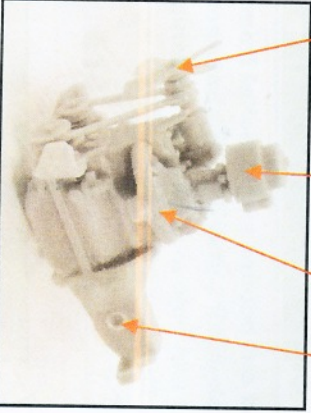
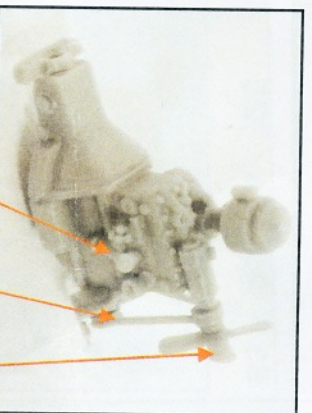
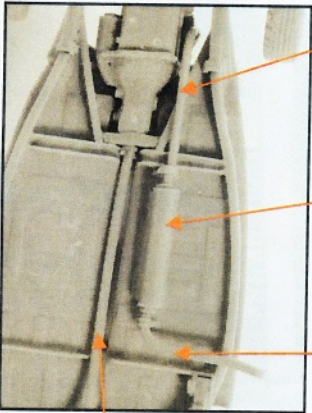
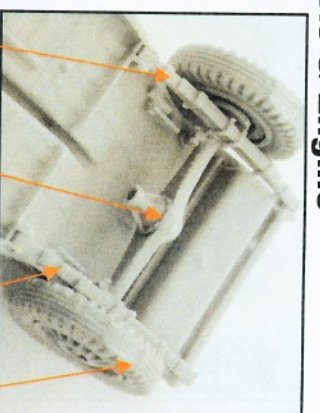
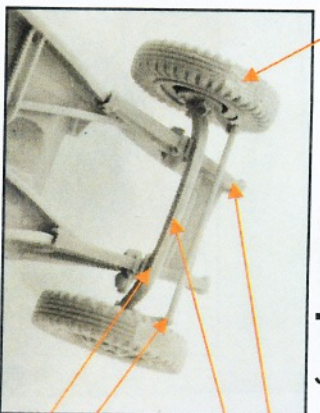
Essential tools are sharp scalpels, razor saw, needle files, 'wet-or-dry' paper, grades 100, 300, 500, tweezers and an assortment of pliers and cutters. For locating some small parts, and for drilling out lifting lugs etc., a selection of twist drills from 0.5 mm to 5 mm is recommended, and a cutting mat! For most multi-media models we recommend professional tools such as the 'ETCH MATE', folding tool, 'GRABHANDLER' wire bender, 'MULTI-TOOLS & MICRO CHISEL' from Mission Models. We sell these products along with general tools, drills, scalpels and glues on our web site just go to:-

www.accurate-armour.com, select **PRODUCTS then ARMOUR DISTRIBUTION**

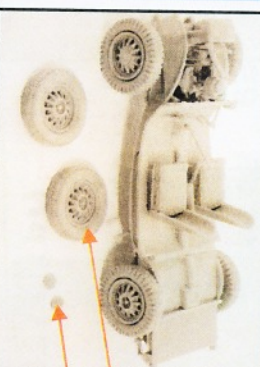
GENERAL PROCEDURE

1. Check the parts against the parts listing and assembly diagrams, study the drawings and read the suggested assembly procedure. Multi-media kits build differently from injection moulded kits, however the technique is straightforward once practised.
2. The best way to remove parts from the casting sprue is by using a razor saw, or for very large parts use a small fret saw or junior hacksaw. Excess plastic should be carved away using a very sharp scalpel or craft knife. Very large sprus can be removed by scribing and 'snapping' them away from the parts, (this saves a lot of sawing).
3. Parts should be 'dry-fitted' first, if however you want to try different positions the parts can be lightly bonded with 'tube' polystyrene cement to see how they look. To bond with super glue, place the parts together **THEN** apply a **TINY** quantity of glue (using a wire or old blade) to the side of the gap between the parts, the glue will be drawn into the gap. Super glue ACTIVATOR spray also helps to make bonding a lot easier with some materials, and if you work in a dry atmosphere.
4. If any parts are bent or warped, they can easily be modified by gentle bending in **VERY HOT** water, or under **GENTLE** heating from a hair dryer. Once at the correct shape cool the part quickly to set the shape.
5. Bubbles may be present in some resin parts, if present they should be filled with a good quality epoxy filler, such as 'Milliput'. Carefully sand as described previously.
6. Small bubbles which sometimes appear at the tips of cast detail can be filled by applying a tiny amount of super-glue from a length of wire, the glue will be drawn into the hole which will fill up.
7. Resin parts should be washed in warm soapy water prior to painting to remove mould release agents, metal parts may be polished or primed before painting. We recommend priming the completed model prior to painting with a good quality grey car primer spray.

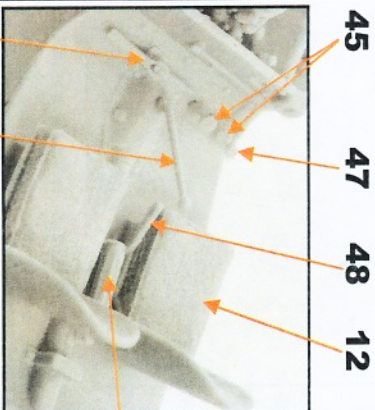
10 Floor pan, wheels & Engine



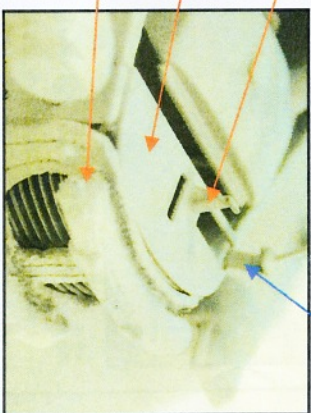
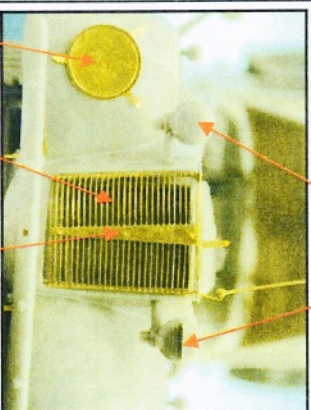
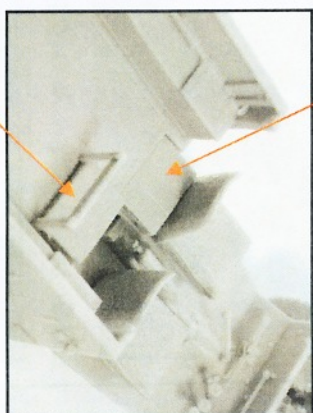
Completed floor pan with wheels and optional tyres and hubs shown. This can now be painted before final assembly.



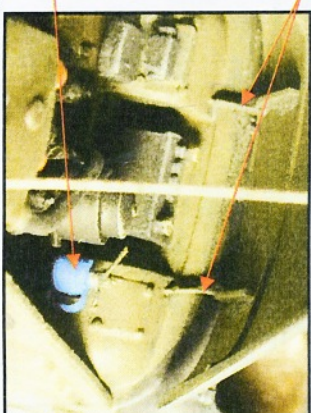
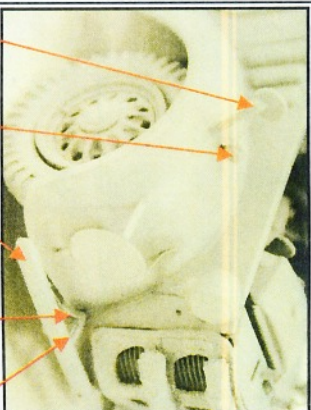
Interior & front wings



18+19 (stowed)

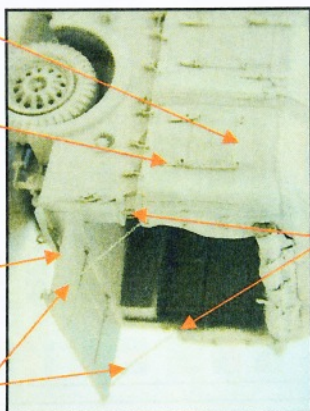
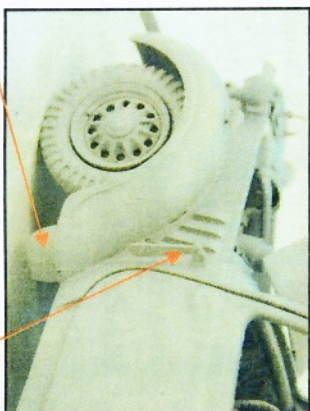


Fold out bonnet stay bracket from E5 as shown '**', stay E12 fits between this and hole in underside of bonnet (7). Fit hinges E17 as shown. Also note the oil can 201 E101 E10

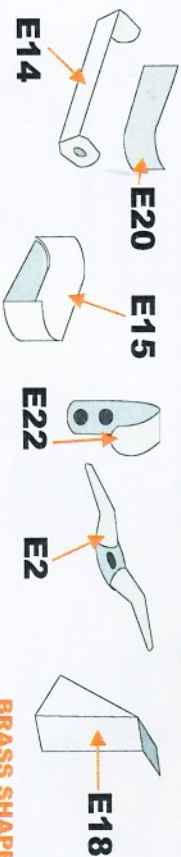
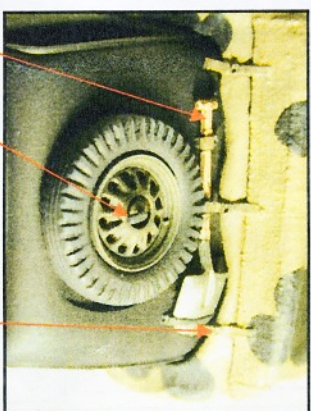
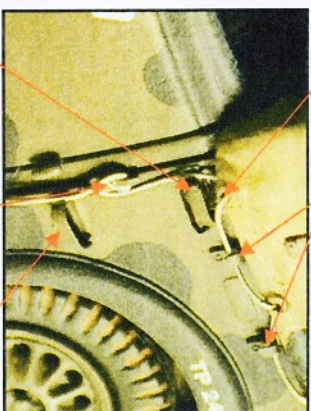


Oil can (see text p7)

Other details E21

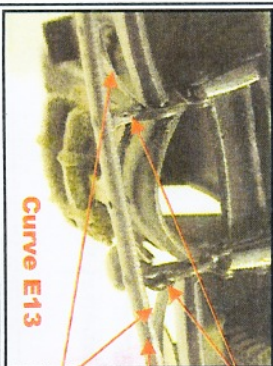


Add E11 to all strap ends



BRASS SHAPES

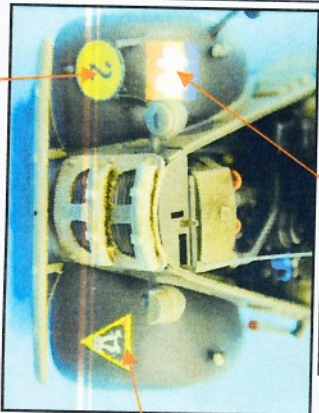
Front bumper underside



Curve E13

Aos Markings

- Pioneer
- Royal Artillery
- Regiment
- RAOC
- RASC
- REME
- HQ
- Regiment
- Signals
- Recce Corps
- Front and rear (tailgate) Right. Add numbers as required. Army & Corps 'bars' are included.



Weight Disk Plain or with '2', the mounting plate position can change or marking applied directly to wing.

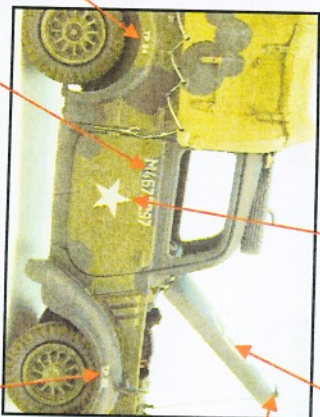
Apply the WD Number to door or engine/bonnet sides and to the tailgate or body rear. (See text)

Markings

Unit markings

- 7th Armd.Div.
- 11th Armd.Div.
- Guards Armd.Div.
- 1st Polish Armd.Div.
- 3rd Inf.Div.
- 51st Highland Div.
- 30 Corps.
- 2nd Armd.Div.
- 34th Armd.Bde.
- 79th Armd.Div.
- 1st Army
- 2nd Army
- 21st Army Group
- 8th Army
- RAF

Position on front and rear (tailgate) Left.



Small stars

Large star

51

TP24

TP20

General Instructions

Assembly

1. Assemble the lower floor pan, springs, axles and wheels, note that optional civilian front wheels are provided, these were fitted to many 'Tillies' to improve the steering. A set of domed wheel hub covers are included, these are optional.
2. Build and fit the engine, fit to the floor pan and add the exhaust system.
3. Assemble the steering wheel by adding the spokes E7 to the rim (54), then fit the base (55) and cap (56) to the spokes. Add 3mm of Rod#1 and mount through the bulkhead down to the steering box junction on the cab casing.
4. Decide if the bonnet (hood) is to be open, if closed only the basic engine block will be needed. The doors can be made to open by cutting around the gap.
5. Join the cab and rear body together, note that the floor pan slides into this completed assembly. The model can remain as two parts until complete making final painting, inside and out easy.
6. Decide on whether the canvas is to be fitted, if fitted drill 0.5mm holes at a slight downwards angle through the tie down eyelets. Remove some material from the inside edge of the canvas cover all around to make threading easier.
7. Position of the two rear seats, and choose either early or late tail gates, note that if the tail gate is up with the canvas fitted, remove the gate top catches. Also if the canvas is fitted the top door hinges are not required.
8. Add all the etched items as shown, some items are only required if the canvas cover is fitted, there are 10 tie downs E22 and 4 tie off cleats E2, use these to secure the Nylon chord NY through the holes in the canvas cover and tie off on the cleats. A short length of Rod#1 should be added in 6 places from the pole holders to the underside of the canvas to represent the tilt hoops. If the canvas cover is not fitted make the 3 tilt hoops from rod (not supplied) and stow as a group in the front bracket or one in each holder. Use the cab rear plate as a shape/height guide for this. Add the top hinges (50) to the door join.
9. The oil can comprises a body (28) handle E16 which should be bent into an oval shape, and a spout E19 which sits on top of (28).
10. The front canvas radiator cover is optional. Also the etched lifting lugs were not fitted to early vehicles. Rifle (26) stowed on door pillar behind driver, Pick handle (38) stowed on door pillar behind co-driver.
11. Glazing is provided, and the windshield wipers fit below the windshield.

Master Model

The master model was researched and designed by David Jane and Derek Hansen.

Painting & Markings

As the Tilly served in all theatres throughout WW2 all standard UK paint schemes apply. The interior and exterior were finished in the same colour.

A patch with the large star is included, ignore the 'white' disk, also due to 'brain lock' WD number M46722972 should read M4672297 (remove the last '2').