

Parts list

A	MAIN PLATFORM	1	ML	TRAY STAY AND NOSE	1
B	RECOIL SLIDE	1	MM	SPADE	2
C	GUN MOUNTING	1	MN	WHEEL	2
D	AXLE TREE	1	MO	BARREL	1
E	BARREL & BREECH	1	MP	COVER (Compressed)	2*
F	LEFT TRAIL LEG	1	MQ	SPRING COVER (Extended)	2*
G	RIGHT TRAIL LEG	1	MR	SPRING TOP CASING	2
H	AXLE LOWER COVER	1	MS	MUZZLE COVER	1*
I	ELEVATION ARC SEGMENT	1	MT	SHELL (Strapped one for tray)	3
J	BREECH BLOCK	1	MU	SPRING PISTON COVER	1
K	HANDBRAKE (Right)	1	MV	ROPE AND HOOK	2
L	WHEEL HUB (Right)	1	MW	RANGING POLES	1
M	WHEEL HUB (Left)	1	MX	SPADE	1
N	HANDBRAKE (Left)	1	MY	PLANK	1
O	ELEVATION WHEEL MOUNT	1	MZ	SIGHT CASE	1
P	TRAVERSE WHEEL MOUNT	1	OA	TOOL BOX	1
Q	ELEVATION GEAR	1	OB	CLINOMETER CASE	1
R	LOWER MOUNT (L/R)	2	OC	SPIKE BRACKET (Front)	1
S	LOADING LOCK STOP	1	OD	SPIKE BRACKET (Rear)	1
T	SIGHT CASE MOUNT	1	OE	SPADE HOUSING LEVER	2+1
U	DEPRESSION STOP	1	OF	SPADE PIN (Front)	4+2
V	TRAVERSE DRIVE #2	1	OG	HANDSPIKE SOCKET	4+1
W	TRAVERSE DRIVE #1	1	OH	AXLE LIFTING RING	2
X	ELEVATION DRIVE SHAFT	1	OI	LOCKING LATCHET (L & R)	2
Y	MOUNTING PIN	1	OJ	SPADE PIN (Rear)	2+1
Z	PRIMER CASE	1	OK	SPADE HANDLE	4+1
NA	CROSS LEVELLING SCREW	1	OL	SPRING STIRRUP	2+1
NB	SIGHT MOUNT	1	OM	SPRING LOWER PIVOT	2+1
NC	ELEVATION LINK BRACKET	1	ON	HANDSPIKE	2
ND	RANGE SCALE BOARD	1	OO	SPADE BRACKET (L/R)	4
NE	LINKAGE	1	OQ	HANDLE	2
NF	SIGHT CLINOMETER	1	OR	HAND WHEEL	2
NG	DIAL SIGHT BASE	1	OS	LOADING TRAY BEARER	4
NH	DIAL SIGHT HEAD	1	OT	CRADLE CLAMP BRACKET	4
NI	CRADLE LINKAGE (Rear)	1			1
NJ	CRADLE LINKAGE (Front)	1			3
NK	STIRRUP MOUNT (L & R)	2			3
NL	CRADLE MOUNT (L & R)	2			3
NM	PLUNGER ARM	1			3
NO	BREECH LOCKING LEVER	1			
NP	BREECH MAIN LEVER	1			
NQ	STRIKER LOCK	1			
NR	CRADLE CLAMP	1			
NS	LEGS LOCKING LEVER	1			
NT	PLATFORM LOCK (L & R)	2			
NU	POLE BRACKET (F & R)	2			
NV	POWER SOCKET	1			
NW	BOX MOUNTING	2			
NX	TRAY BRACKET (Right)	1			
NY	TRAY BRACKET (Left)	1			
NZ	PLATFORM STEP	1			
MA	TOW HOOP	1			
MB	PLATFORM HOOK	1			
MC	SPADE TRAVEL STOP	4			
MD	TRAIL STEP	1			
ME	AXLE PIVOT PIN	1			
MF	LEVELLING PEDAL	1			
MG	SPADE LOCKING PLATE	2			
MH	BEARER (Front)	1			
MI	BEARER (Rear)	1			
MJ	LOADING TRAY BASE	1			
MK	LOADING TRAY	1			

AMMO BOX (G03)
 AMMO BOX (G04)
 CHARGE TUBE (Closed)
 CHARGE TUBE (Open)
 CHARGE
 ETCHED BRASS
 Assortment of straps for trail leg stowage
 OTHER MATERIALS
 Rod Metal/plastic rod for sight
 NOTES
 * OPTIONAL PARTS
 + SPARES PROVIDED

1:35 SCALE MODEL
Accurate Armour
1:35 SCALE MODEL

G03 & G04

4.5" Gun Mk-2 & 5.5" Gun Mk-3



Model shown is G04

Complete model with alternative parts, tools, stowage and a selection of ammunition.

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General Instructions

SAFETY

As with any plastic model kit, do not expose the completed model or the component 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 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 flat nosed pliers. 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

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 sprues 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.
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. Due to the hand casting process 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
6. previously. Very 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.
6. 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.

Assembly Instructions and notes

1. Assemble the lower carriage and wheels making sure that the axle is the correct way up, if replaced the gun will always be level and on uneven ground the axle will tilt to allow for this.
2. Assemble the main gun slide, and ensure that the main pivots are at the same height and both in line with each other. The gun lever mechanisms **NI & NJ** are very delicate and may be replaced with plastic/metal rod if required.
3. Assemble the gun tube, decide whether the breech is open or closed, and if the muzzle cover is to be fitted remove the last 4mm of the gun tube, the cover sags downwards. Combine the gun tube with the slide, and unless the gun has just fired the tube will be pushed up to the far end of the slide.
4. Assemble the cradle with the fittings, note that the shaft **X** must be fitted through the hole in **R(Left)** before fitting, also fit the traverse drive **P** as far up as it will go to increase hand-wheel clearance over the trail leg stowage. Remove some material from the underside of **MV** to improve fit. The sight cases may be removed if the gun is in the firing position. Gently prise the main casting apart to accept the completed gun and cradle, set the elevation and fix in place.
5. Assemble the gun sight and range board, (The dial sight & clinometer may be omitted in transport mode...or a canvas cover made). Fix to the gun mounting and add the elevation bracket **NC** last.
6. Decide on the trail leg position, and assemble the trail spades and mountings in transport or deployed mode. Similarly fix the tools and equipment with etched straps, but the straps can be left empty when the gun is deployed. Parts needing straps are denoted with *. Fix the trail legs to the main carriage. It is recommended that epoxy glue is used in this area for maximum strength.
7. Assemble the loading tray if required. Comprehensive ammunition sets with decals for both 4.5" and 5.5" guns are also available (Products A63 & A62), as are two versions of the MATADOR Artillery Tractor (Products KT115 & KT116)

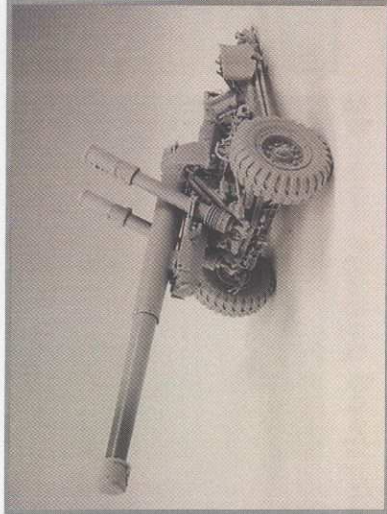
Painting and markings.

The overall colour during WW-II was Khaki Drab or sand, and it was typical for the entire weapon to have an oily sheen, particularly around the working parts. The breech block and hand-wheels are bronze. When open the breech sealing pad is black, as is the spring dust covers. Firing handles are steel, and most other handles are painted red or white for visibility. Carry cases are brown/tan leather.

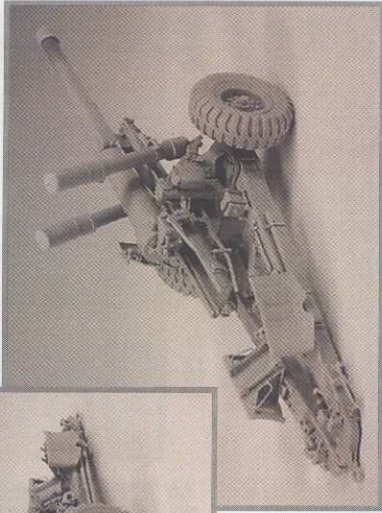
Master Model

Researched and produced by Leon Hassing with extra work by Derek Hansen, Rob Tearle and Kees v/d Pols. Thanks also to the IWM Duxford, Woolwich Arsenal, EODS, John Murphy and Jon Bottomley for additional information.

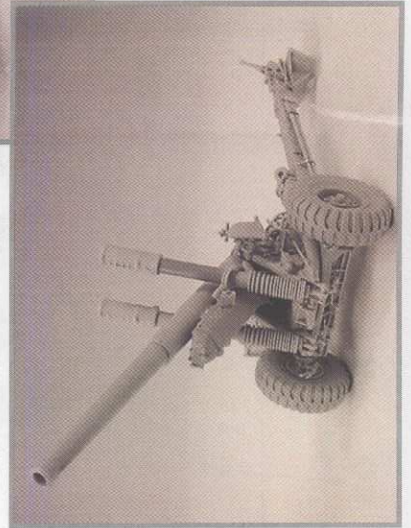
Full Views (All show G04)



Gun shown in transport mode, but with gun in loading position, and sight and muzzle cover MS fitted.



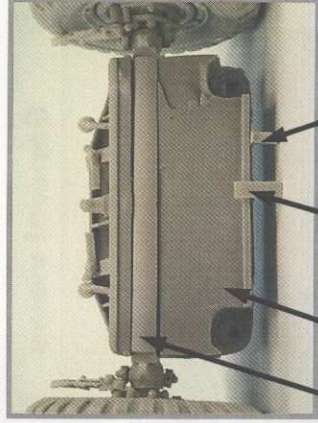
Gun shown in firing mode, but with tools fitted and breech open.



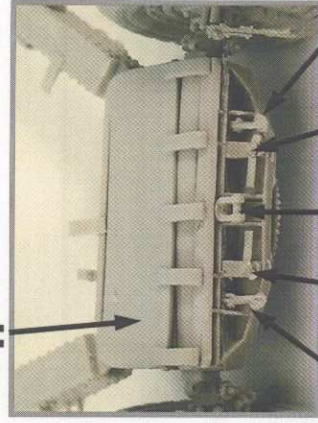
Wheels and carriage



MN
L
K
M
N

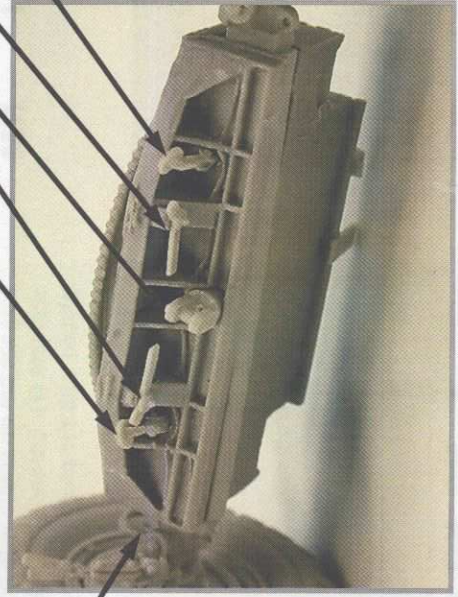


D
A
NZ
MB



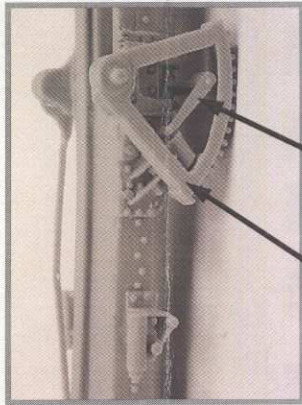
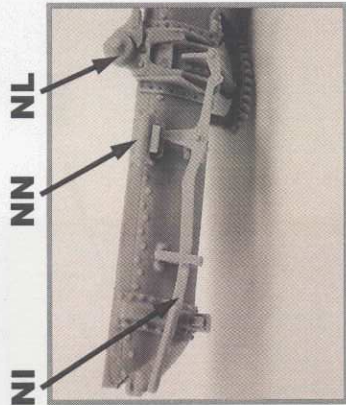
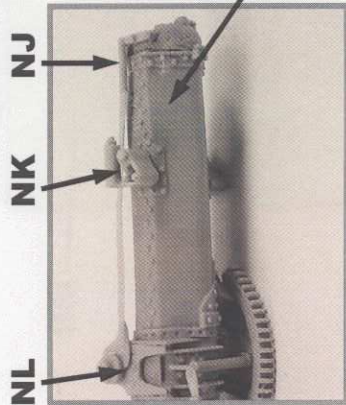
H

MF
NT
ME
NT
MF



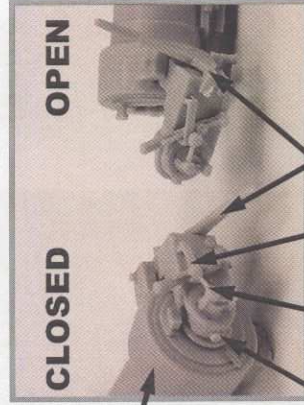
OH (Both sides)

Recoil slide and levers



General views

Engage pin on cradle with hole in Arc segment (I). Ensure that (NK & NL) are placed with the pivot points aligned with each



Trail legs, spades & loading tray

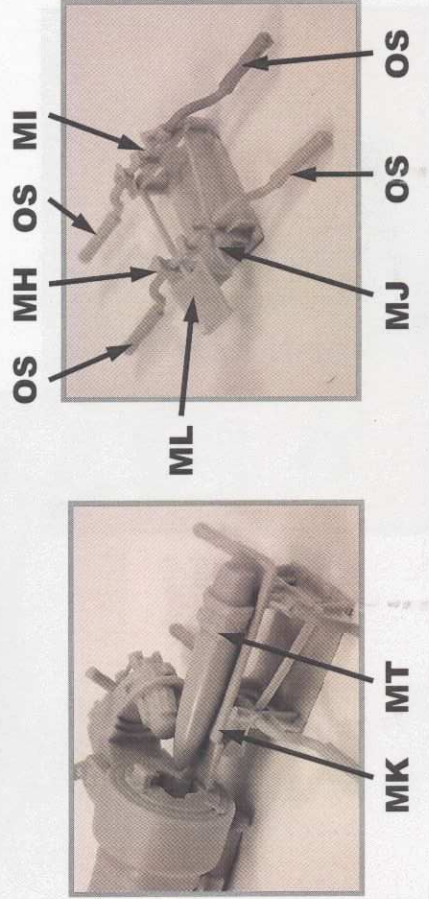


MM + OP + OL (2 sets)

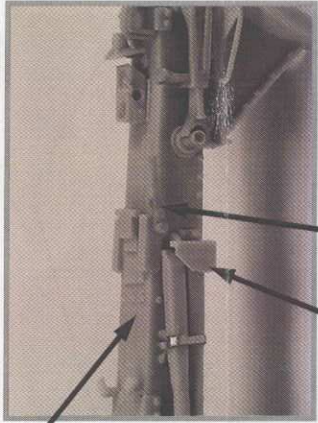
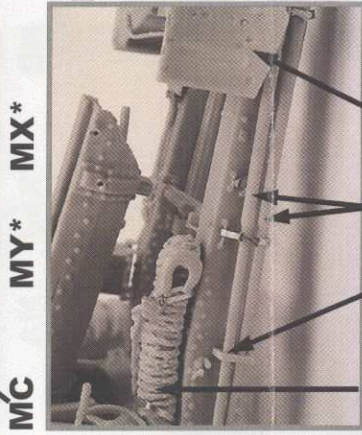
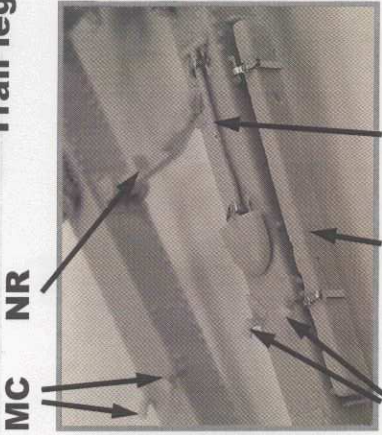
Spades stowed position



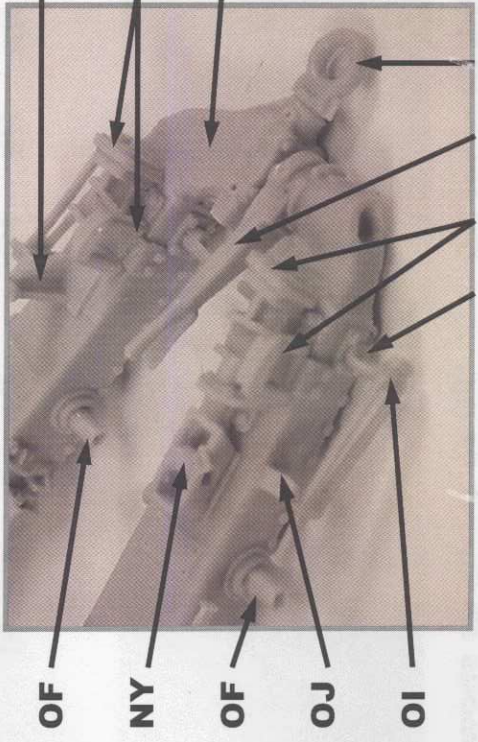
Spades shown in fitted position, note which way round parts OP go on the spade body.



Trail legs & tools

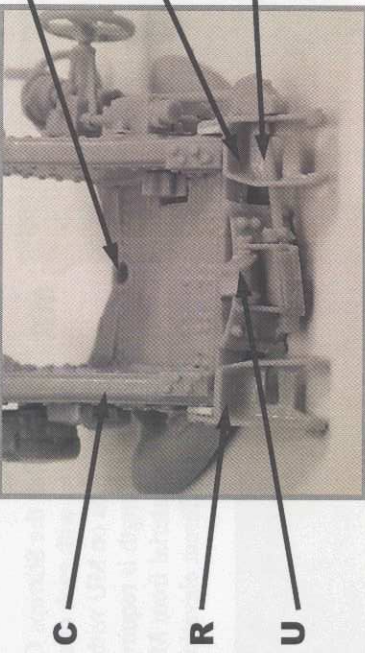


MC NR
 MC MY* MX*
 MV* OC OO* MM (Stowed) OB OE (Both sides)



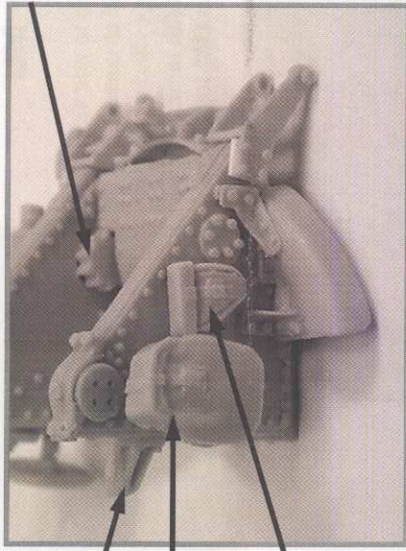
OF NY OF OJ OI
 NX OG G
 OK OG NS MA

Gun cradle

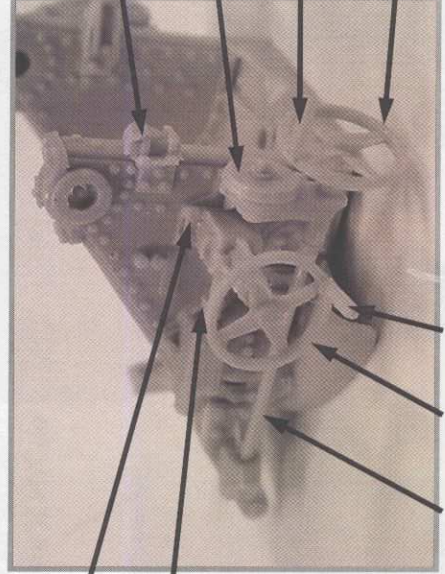


Hole for Y
 R
 V

Fit V through R, enlarge hole if required.



S
 MZ (on T)
 OB



O X Z P OQ OR
 W OR OQ

Balancing springs

Ensure that the Stirrups **OM** are parallel with each other. Replace pins on **MU** with rod if more strength is required. Remove material from **MP** or **MQ** for different elevations.

Full elevation
MQ
MR
OM
ON **MP** **MU**
Loading

If the cradle tilts to one side, shorten part **ON** to correct.
If the balancing cylinders are not leaning back at the same angle, shorten pivot on **OM** to correct.

Loading lock, remove pin on **NN** if not engaged.

Fit completed cylinders to the stirrups, then engage the lower pivots. The angled area on parts **MP** and **MQ** fit against the gun cradle. If depicted in a loading position, engage the loading lock as shown. See above to correct angles.

Sight and range board

NH + NG
NF **ND** **NB** **NA**
Rod

View#1

View#2
Rod **NA** **NE** **NB**

Completed unit!

Add Link Bracket NC

Fit to cradle as shown