# RC Conversion Kit for Classy Hobby 1/16 M5A1 Stuart Light Tank Late and Early Production
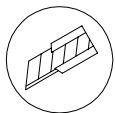(Item no: MC16006, MC16007)

# User Manual (Version 1.0)

## Attention!

1) This kit is designed for experienced model makers. It may be difficult for beginners. Please read this manual thoroughly to see if you have the required skills and tools.
2) Cutting tools are used frequently in this kit. Extra care should be taken to avoid injury. Wear hand gloves and eye protection spectacle if necessary.
3) Keep room well ventilated when working with cements, paints and organic solvents.
4) Visit www.35rctank.com for addition tips and update information.

| | | | |
|---|---|---|---|
| side cutter | | apply cement | |
| modelling knife | | do not apply cement | |
| carving knife | | apply instant glue | |
| all purpose glue | | solder | |
| hand saw | | apply lubrication oil | |
| both sides | | polish with sand paper | |
| Attention! | | | |
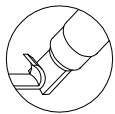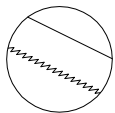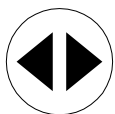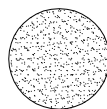
# 1 Tracks

U1

5°-8°
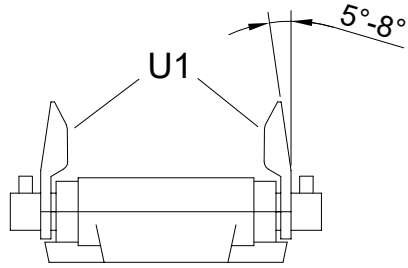
For smooth run with sprocket, bend U1 5°-8°

# 2A Suspension
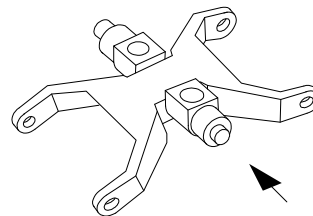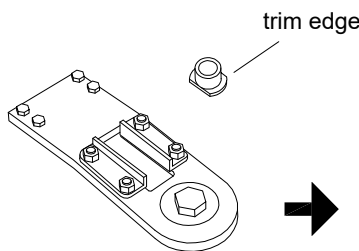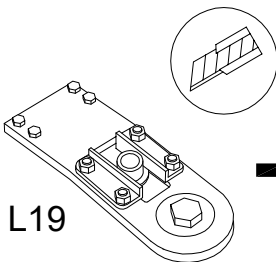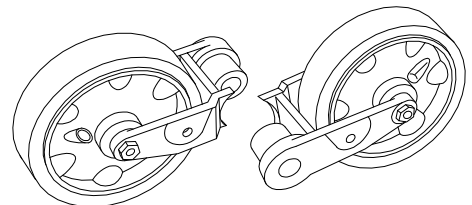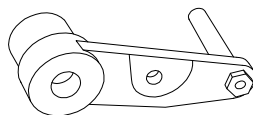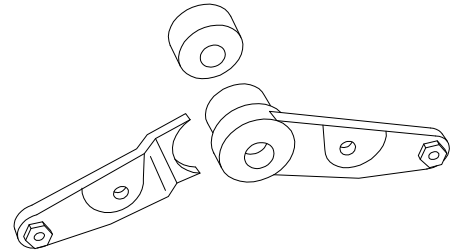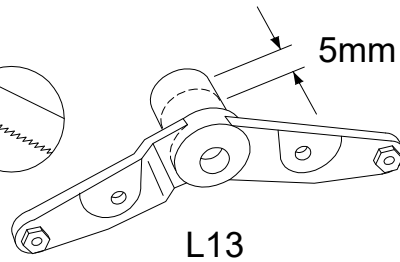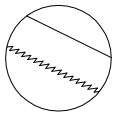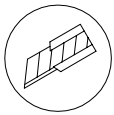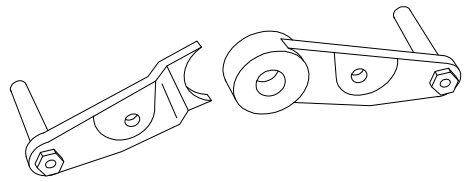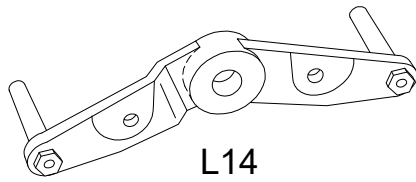
L14

5mm

L13

trim edge

L19

L9+L15+L16

P4

P5

Drill ⌀1mm through hole

x16

# 2B Suspension

remove

L19

remove

L6

spring holder

chamfer edge

⌀ 5x12 spring

silicone

x8

L17

⌀1x4mm pin

# 2C Suspension

remove

Lower hull

# 3A Idler wheel
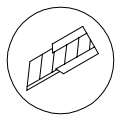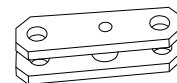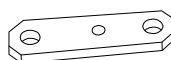
L26

x4

Drill ⌀1.5mm through hole

Drill ⌀2.8mm x 1mm deep

remove

L7

x4

F4    F42

Drill ⌀1mm x 5mm deep

remove

3mm

3mm

C36, C37

attach to lower hull

Drill ⌀1mm hole half depth

Drill through from other end
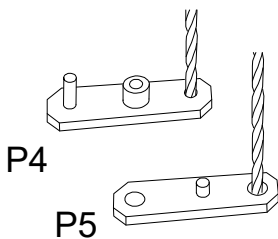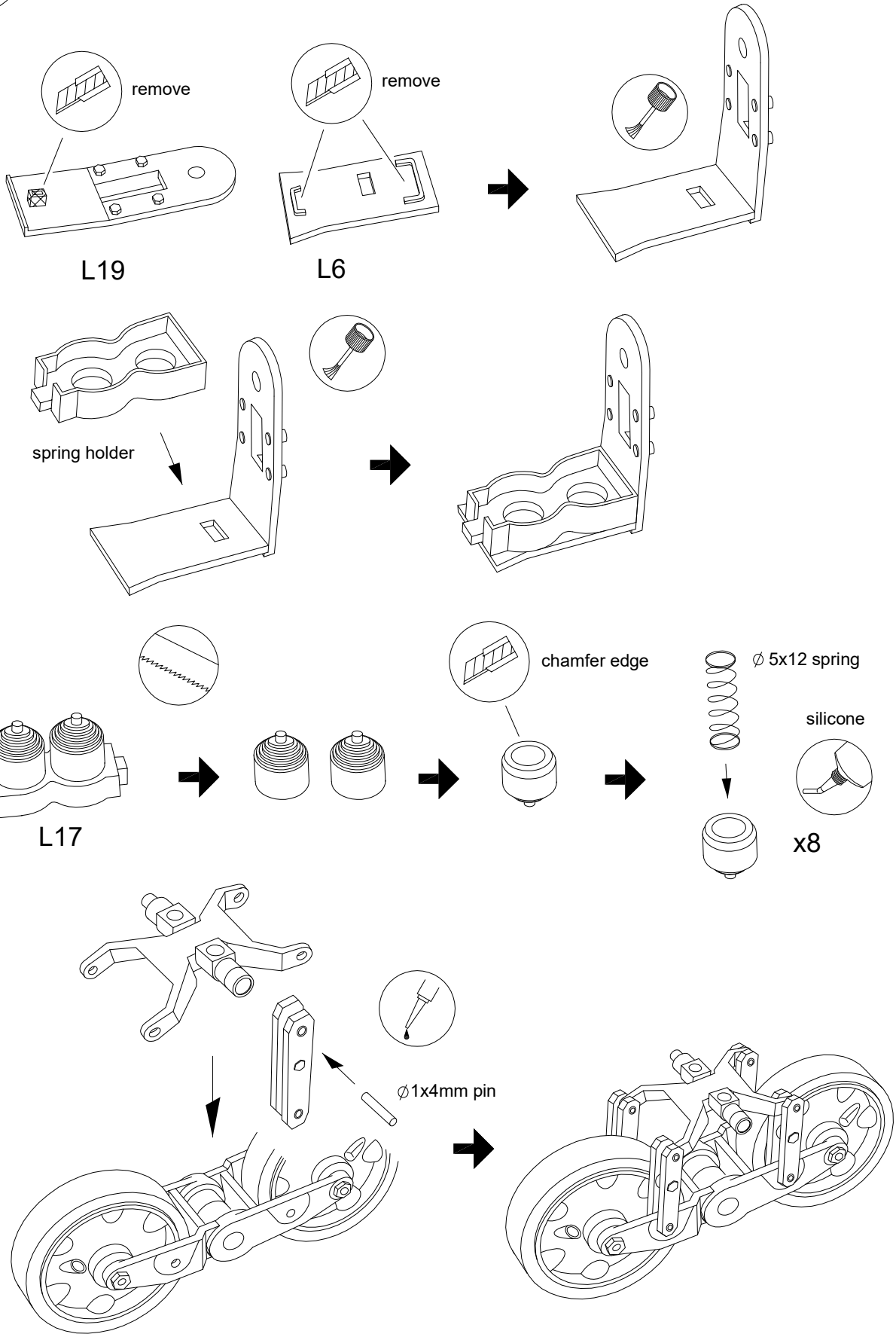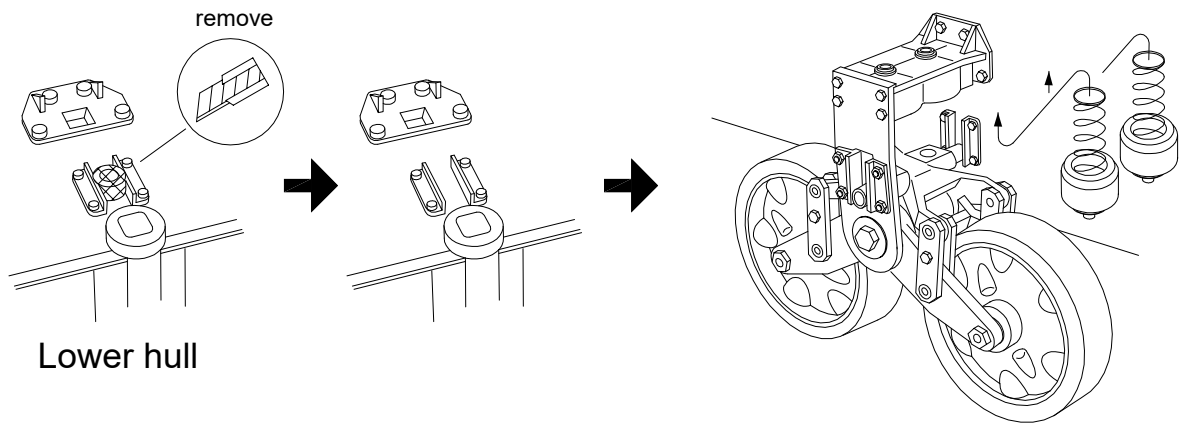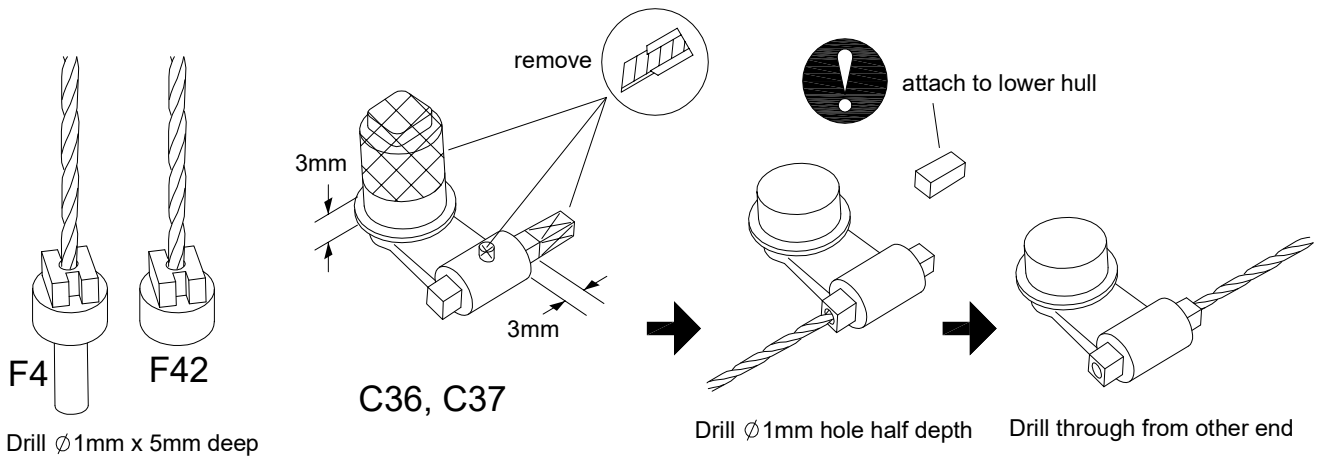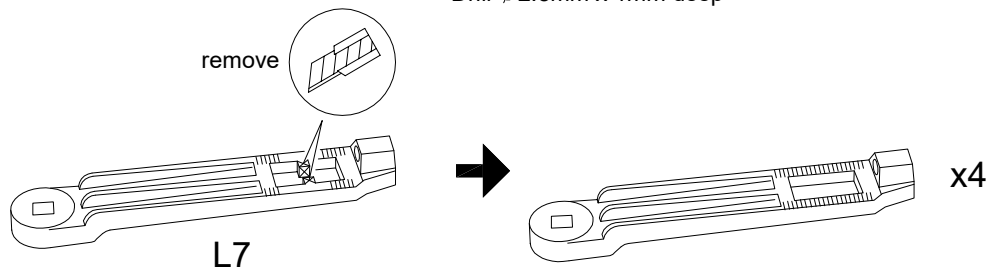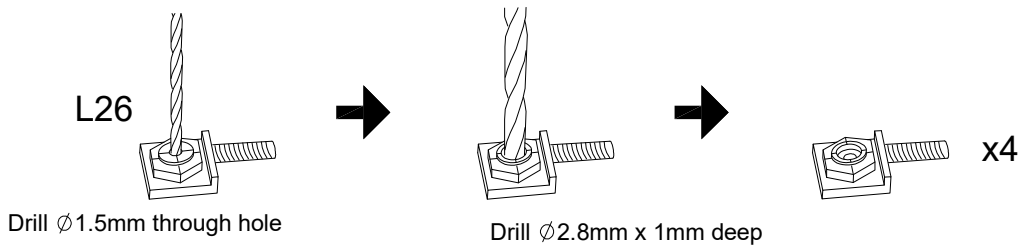
# 3B Idler wheel

!  adjust idler wheel position to adjust the track tension

PA1.5x4 plastic screw

Drill ⌀1mm through hole

attach square end
from C36,C37

Lower hull

Drill ⌀1mm through hole

C28,C29

Lower hull

insert ⌀10x15 spring

insert ⌀1x24 pin

idler wheel

PA2x8 plastic screw
drill ⌀1.5mm hole

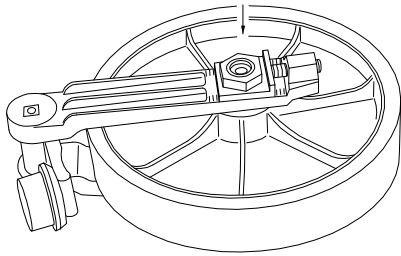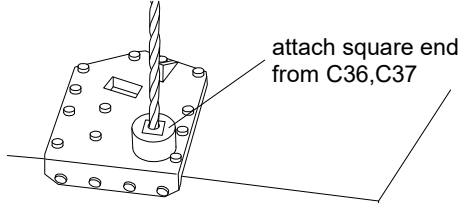idler locking plate

# 4 Sprocket

8mm

B9,B10

make opening
for set screw

Drill ⌀6mm hole
and remove edge
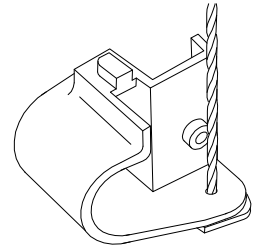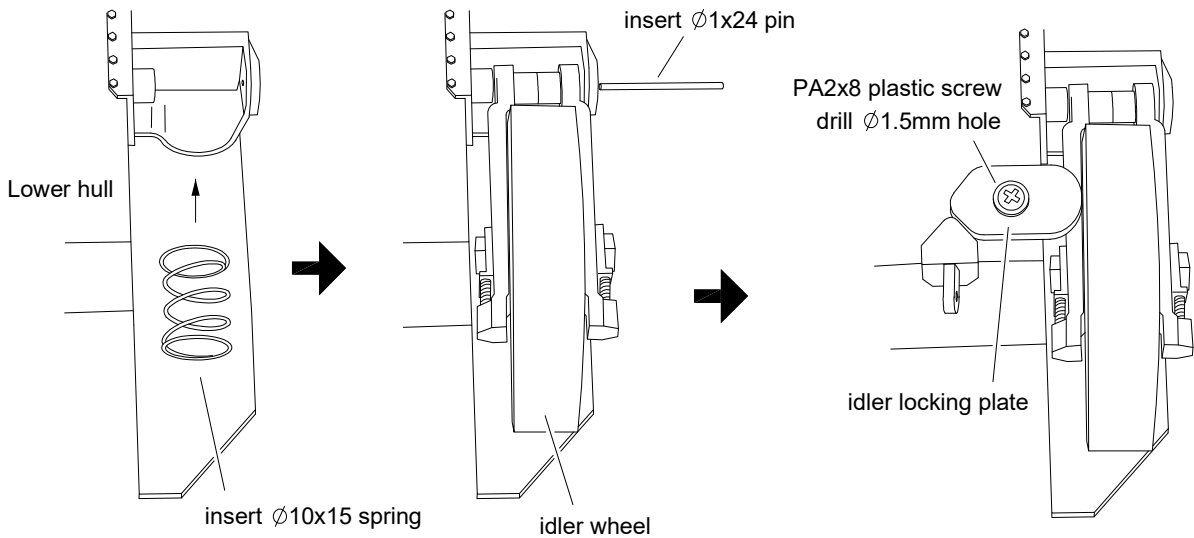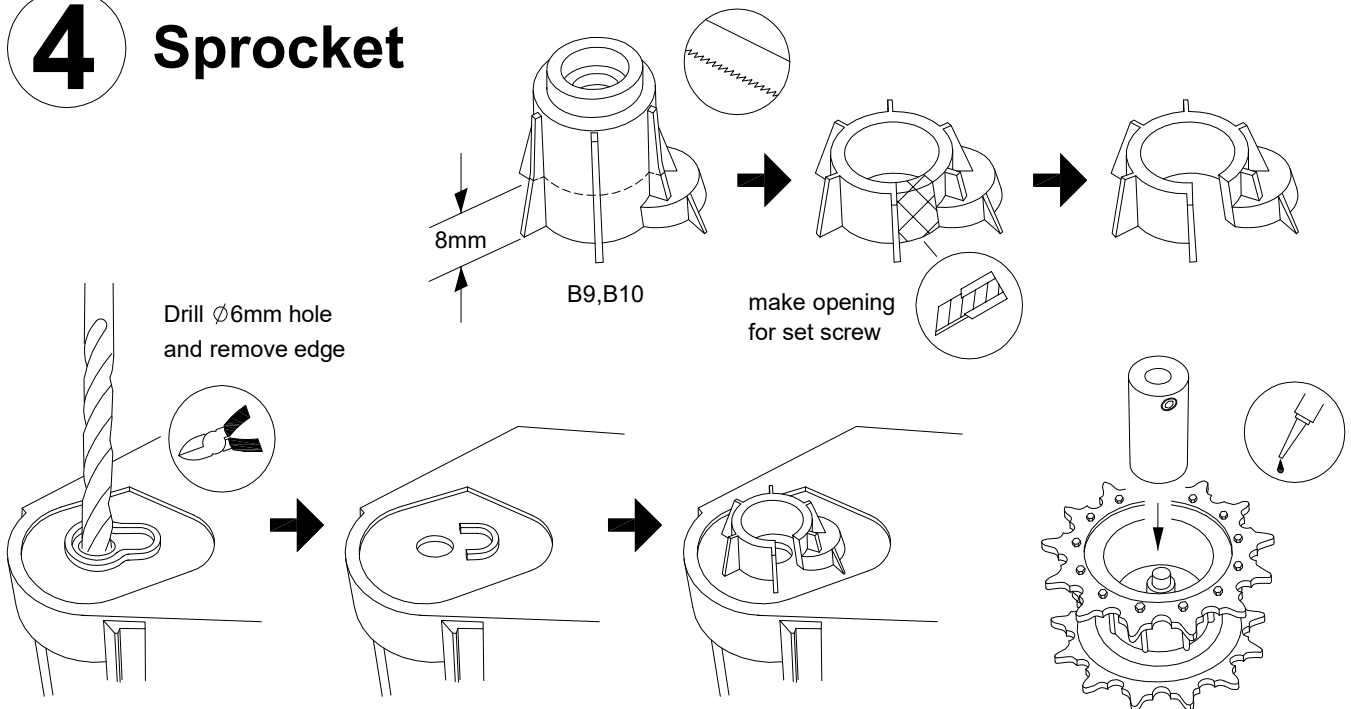
# ⑤ Gearbox
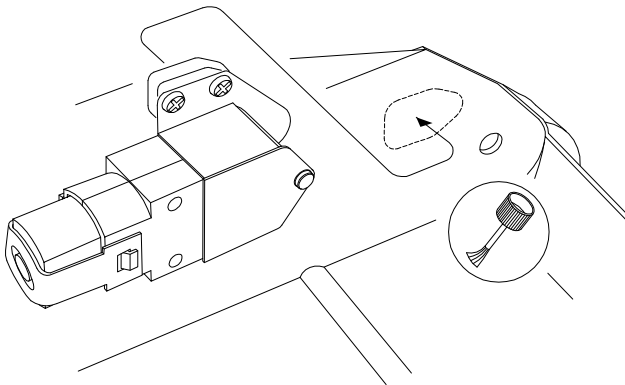


# ⑥ Turret ring gear



# ⑦ Turret



remove turret rotation motor temporary

remove



place turret assembly in position

apply cement to mounting pole only

# 8 Main gun and machine gun



insert gun barrel
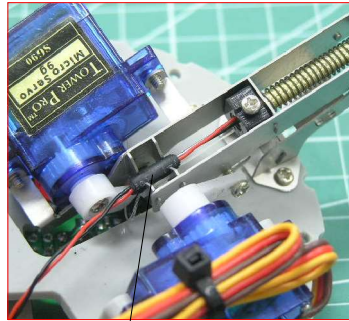


main gun LED, press fit to gun barrel here, do not apply cement



adjust recoil travel if nessecory

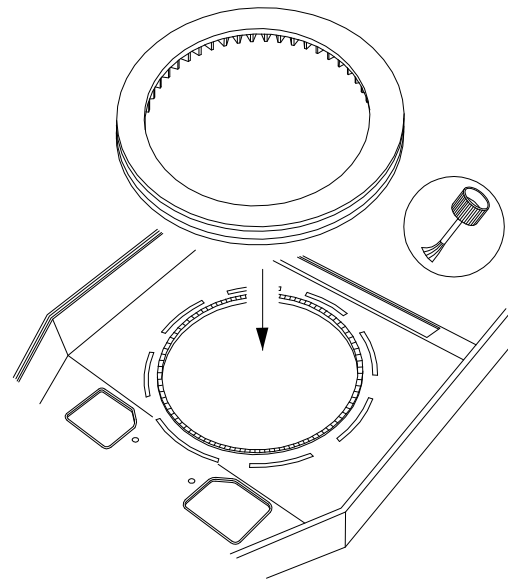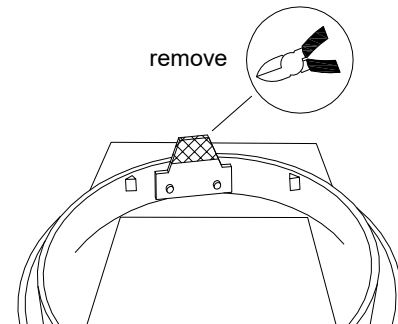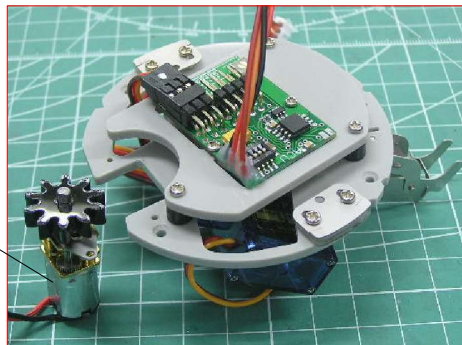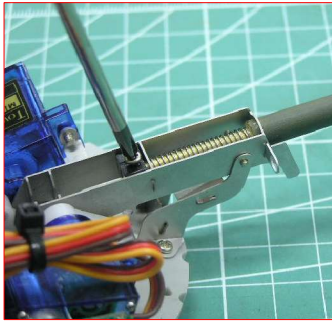Making machine gun:

1) Cut 25mm machine gun barrel from K1
2) Drill ⌀1mm through hole
3) Attach to E63





Attach with a non-permenent glue

# 9 Lower hull connections



snap catch

Spektrum 2.4G AR6110e micro receiver

snap catch

speaker

Secure MTC-2 by M2 x 3 screws

snap catch

2 Cell 7.4V Lipo battery

snap catch



upper hull

Part K runner

from B29

lower hull

snap catch dimensions
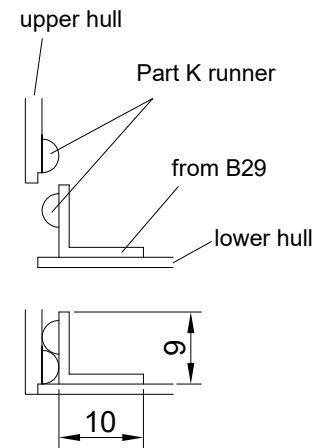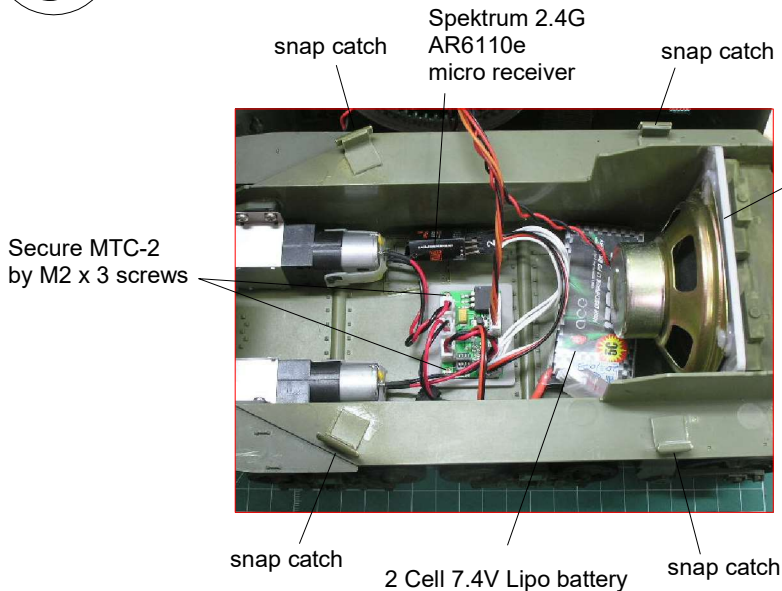
snap catch dimensions

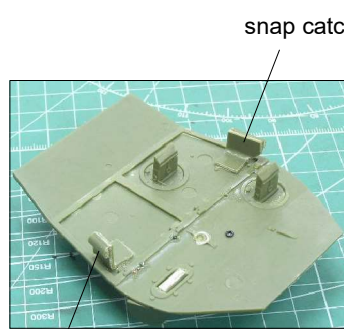# (10) Turret connections

snap catch          snap catch
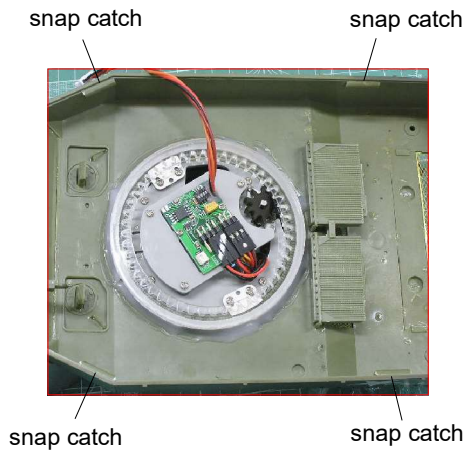




Slide locking plates outward
and secure screws

snap catch          snap catch

snap catch



snap catch

snap catch



snap catch

# (11) Using Lipo battery

⚠️ Lipo battery can be dangerous if not use properly! Follow all
safety precautions and always use a dedicated Lipo charger.

1) Use 7.4V/2Cell Lipo battery (800-1500mAh)
2) Make sure battery is small enough to put inside the lower hull.
3) Solder connector for MTC-2 as shown. Keep original connector for charging.

solder and wrap with
heat shrink tubing



7.4V/2Cell Lipo
1300mAh

−
+
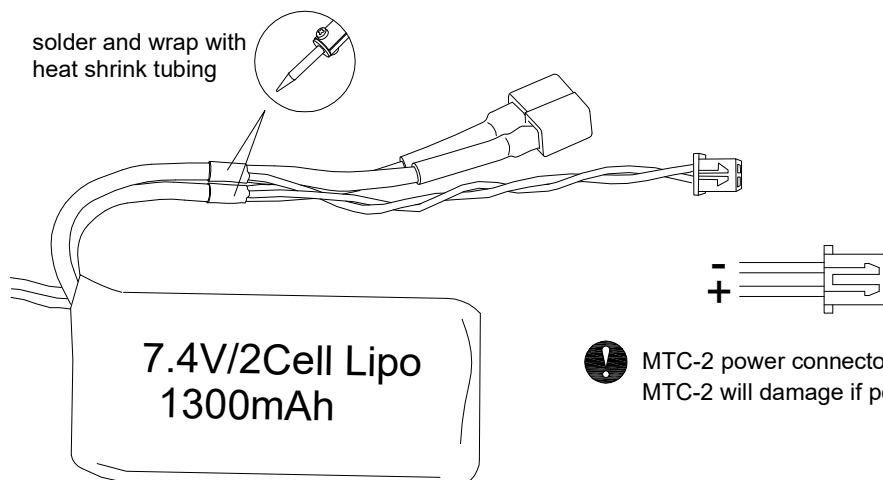
⚠️ MTC-2 power connector
MTC-2 will damage if polarity is not correct!