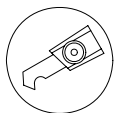


RC Conversion Kit for Tamiya 1/35 M1A1/A2 Tank - with MTC-2, ACU and GSU

User Manual

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.



scriber



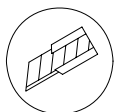
apply cement



side cutter



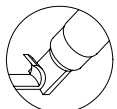
do not apply cement



modelling knife



apply instant glue



carving knife



wait overnight



all purpose glue



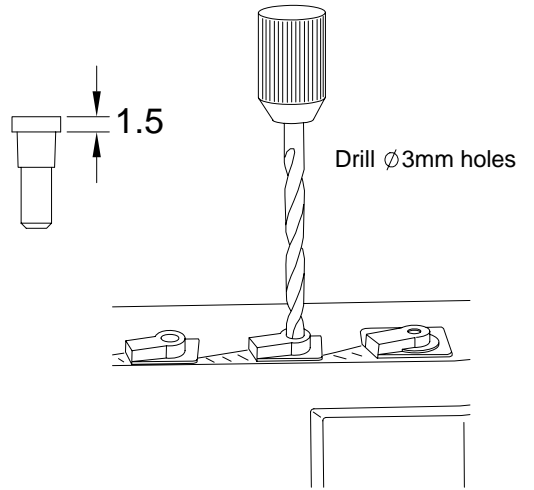
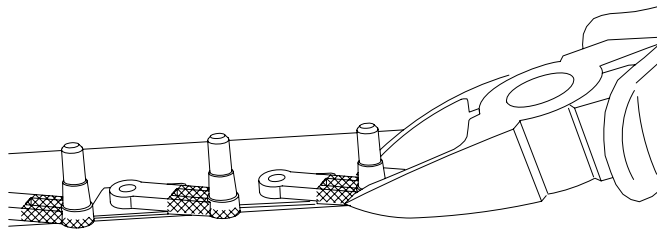
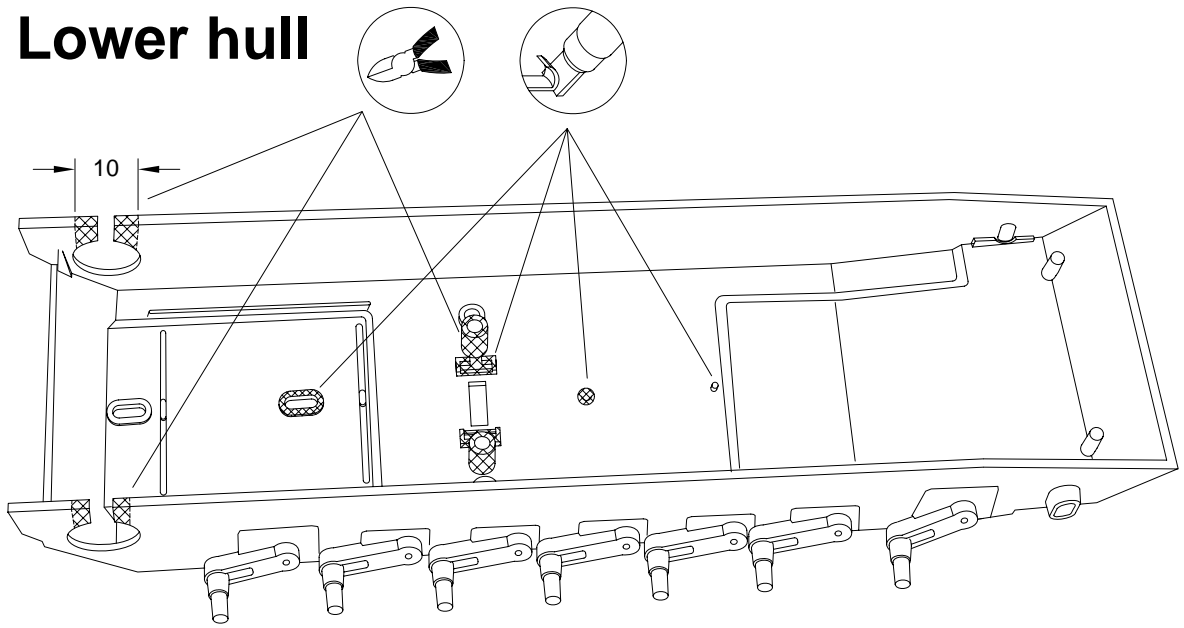
solder



Attention!

1

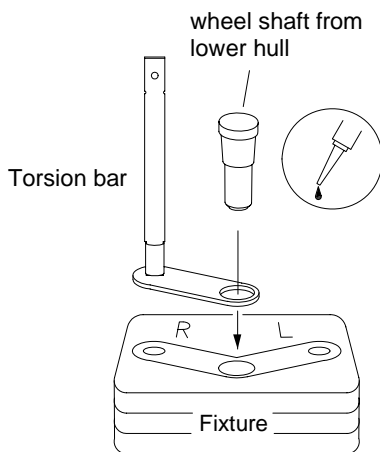
Lower hull



⚠ Remove wheel shaft carefully. Collect 14 wheel shafts for later use.

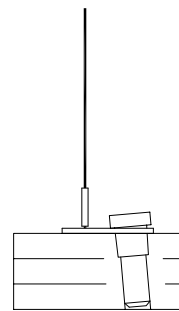
2A

Suspension arms



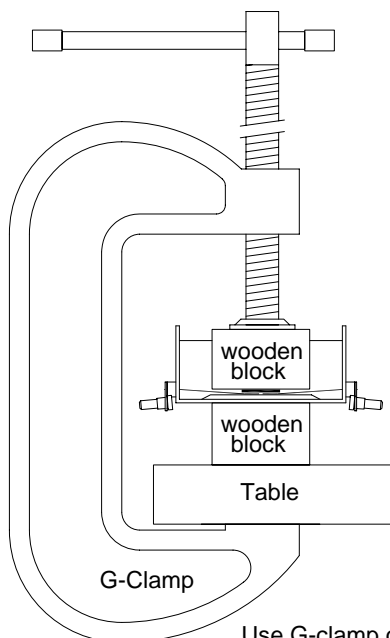
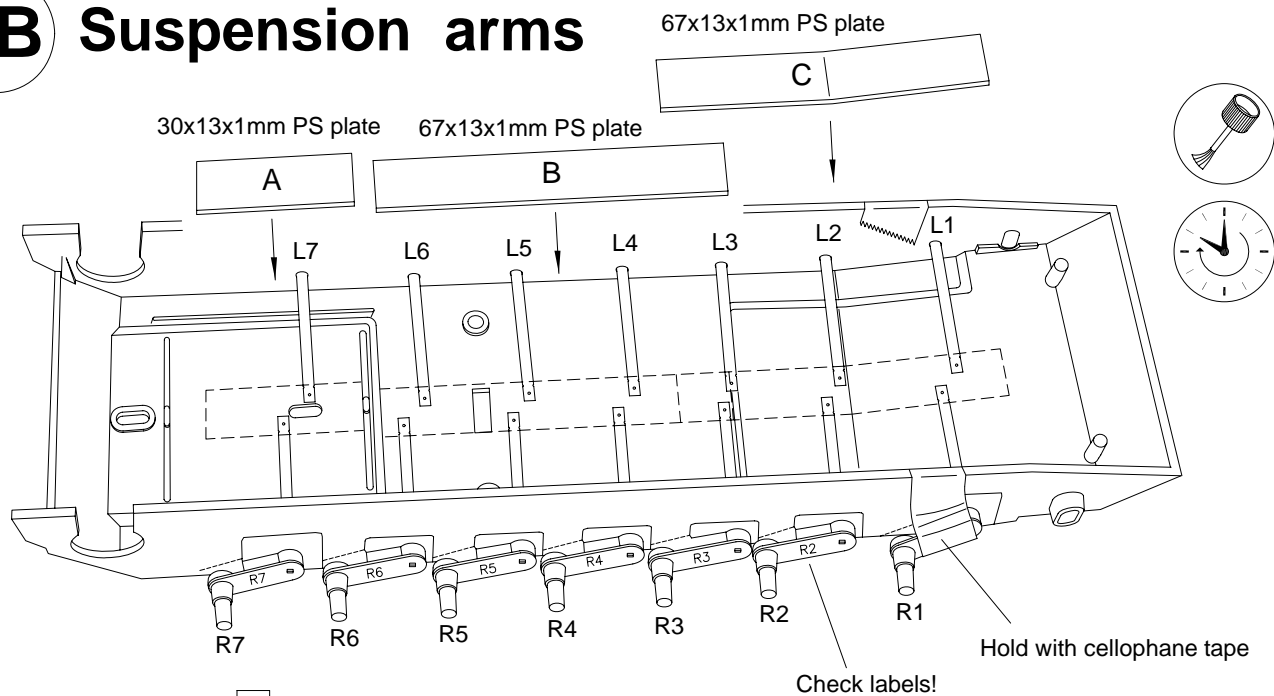
Place torsion bar on top of fixture. Note different position for left and right arms. Insert wheel shaft and apply instant glue carefully.

Attention - Too much glue will stick arm to fixture!

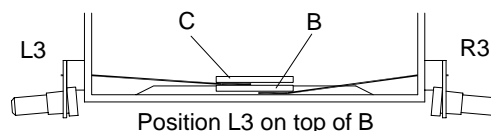


⚠ The suspension arms will tilt under loading. The shaft is tilt in purpose for compensation.

2B Suspension arms



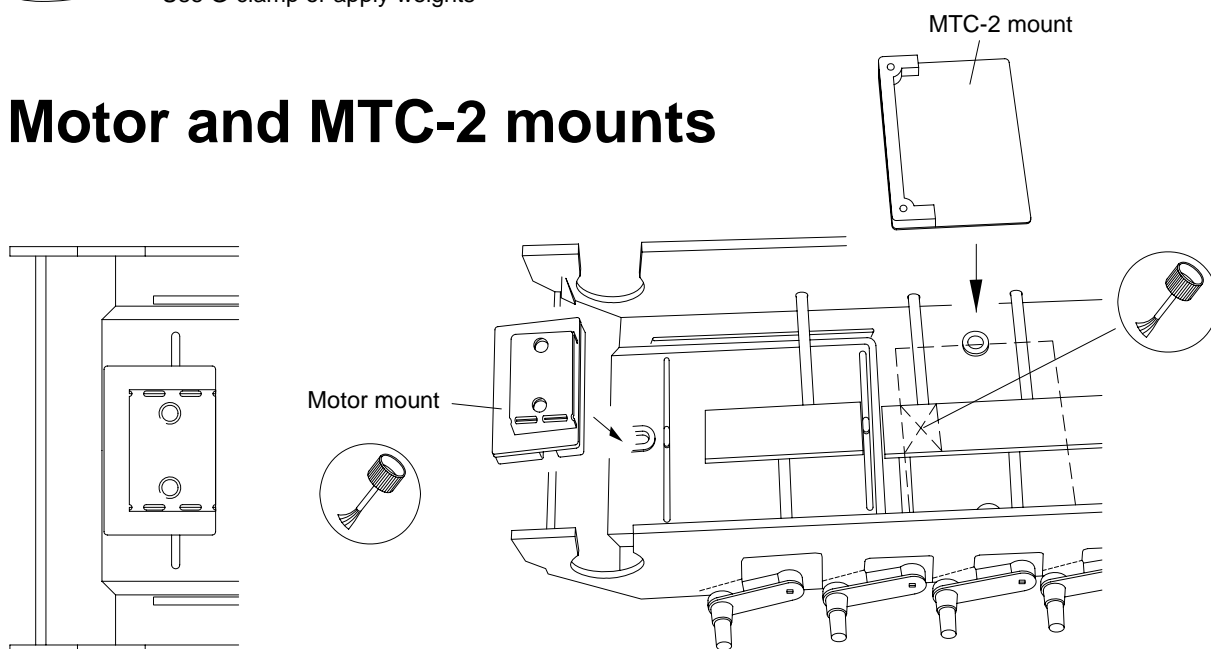
Use G-clamp or apply weights



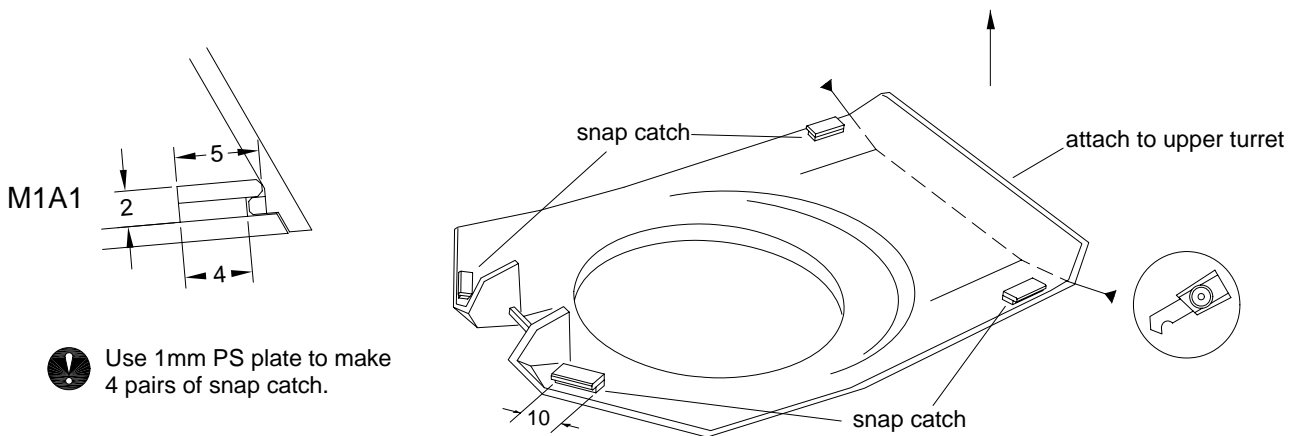
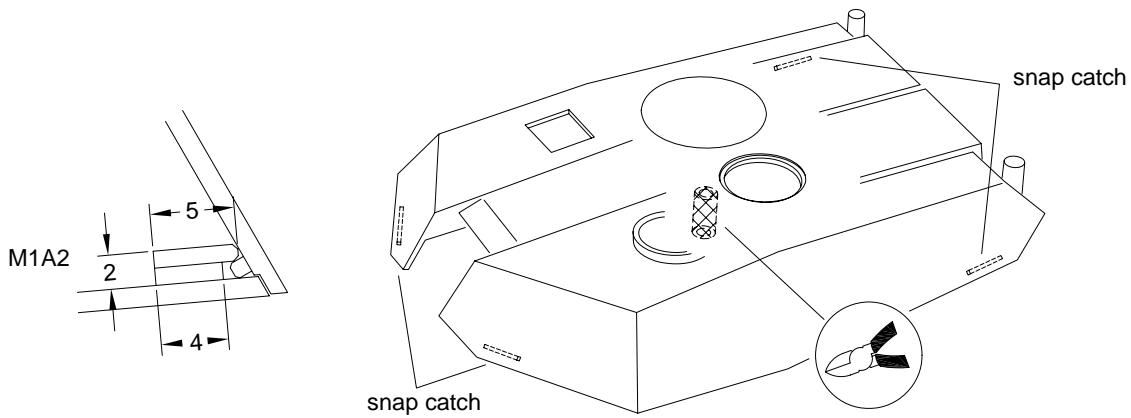
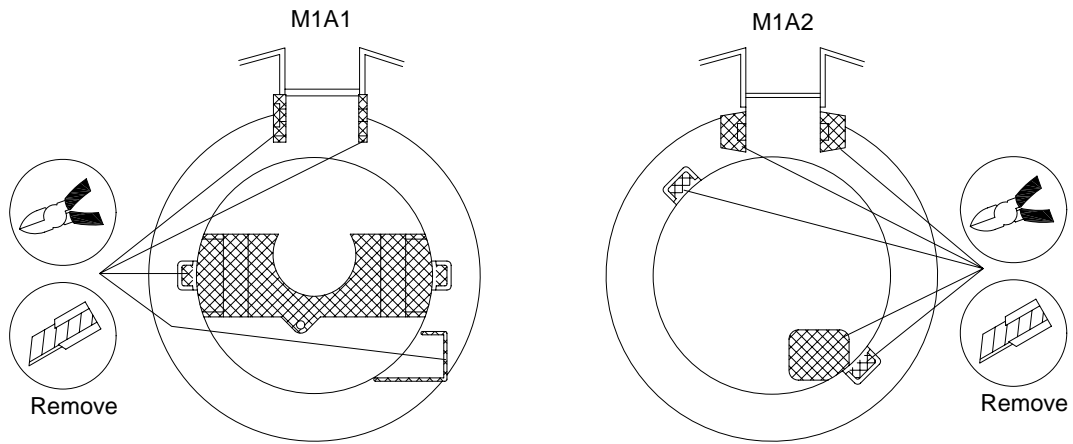
Position L3 on top of B

- 1) Hold all suspension arms with cellophane tape.
 - 2) Cut PS plates A, B, C. Glue A, B first. Position L3 on top of B and glue C.
 - 3) Apply lots of cement to PS plate and lower hull. Use G-clamp or apply weights to press PS plate firmly to lower hull.
 - 4) Wait till cement has cured completely.
- Attention - Do not use instant glue! It will spread along torsion bars and stick suspension arms.

3 Motor and MTC-2 mounts



4 Turret



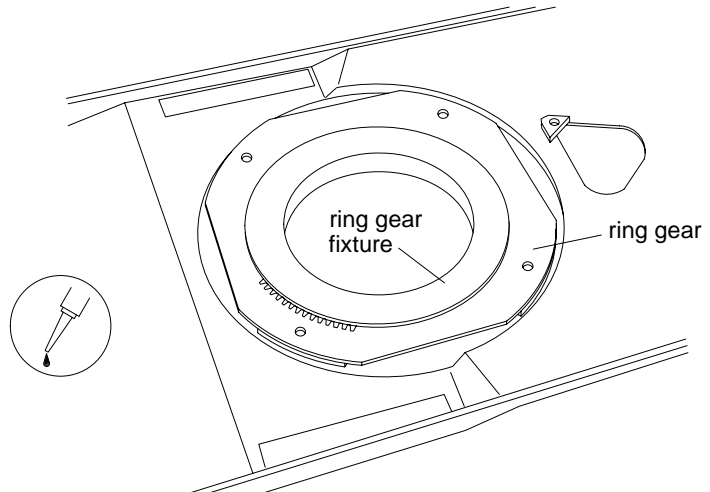
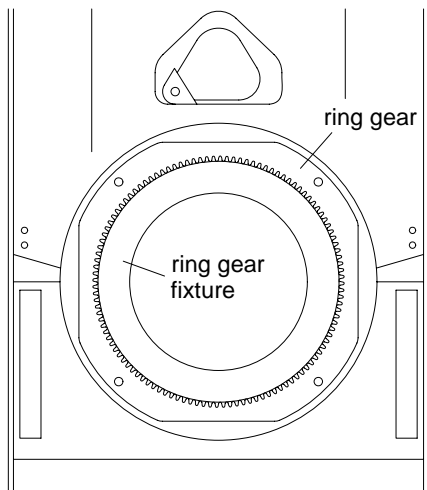
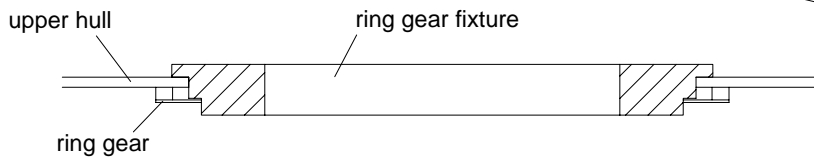
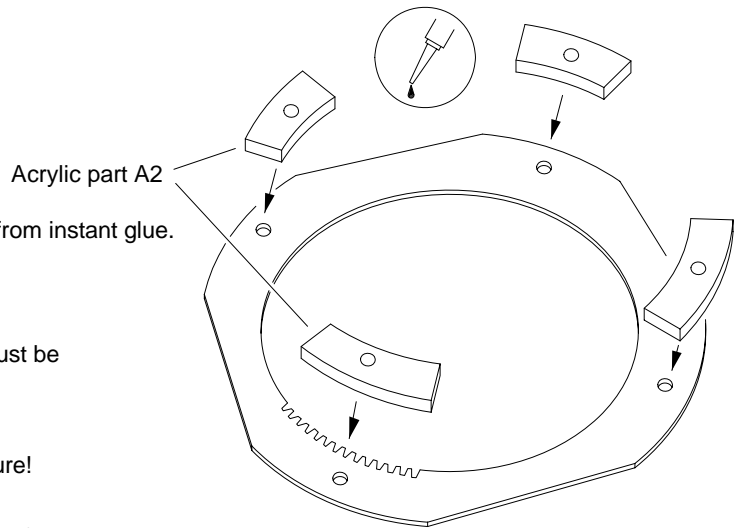
⚠ Use 1mm PS plate to make 4 pairs of snap catch.

5 Turret ring gear

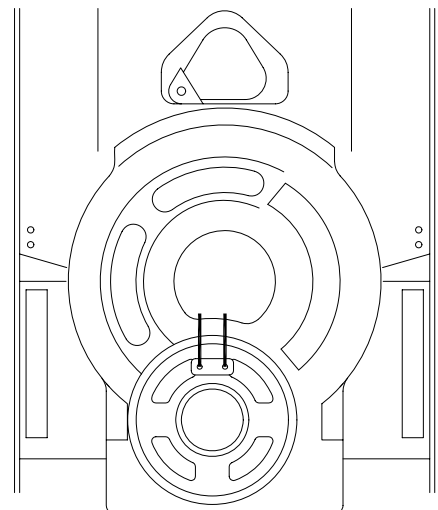
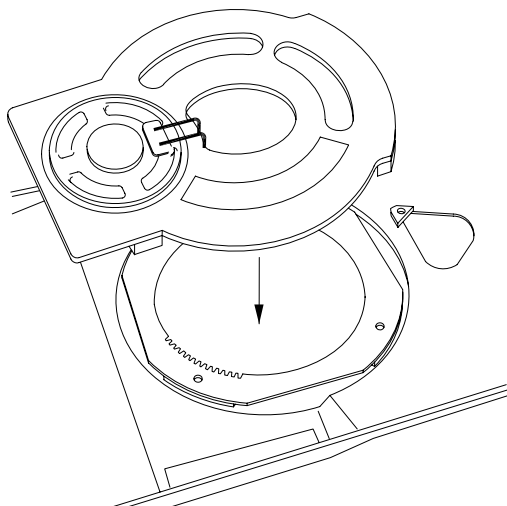
⚠ Keep gear teeth away from instant glue.

To have a smooth turret rotation, turret ring gear must be positioned with high accuracy:

- 1) Insert the ring gear fixture to upper hull.
- 2) Position the ring gear in position as shown.
- 3) Apply instant glue. Take care not to stick the fixture!



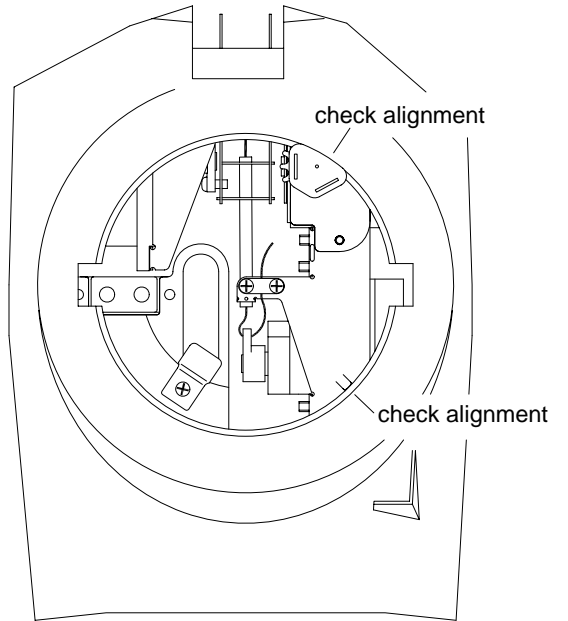
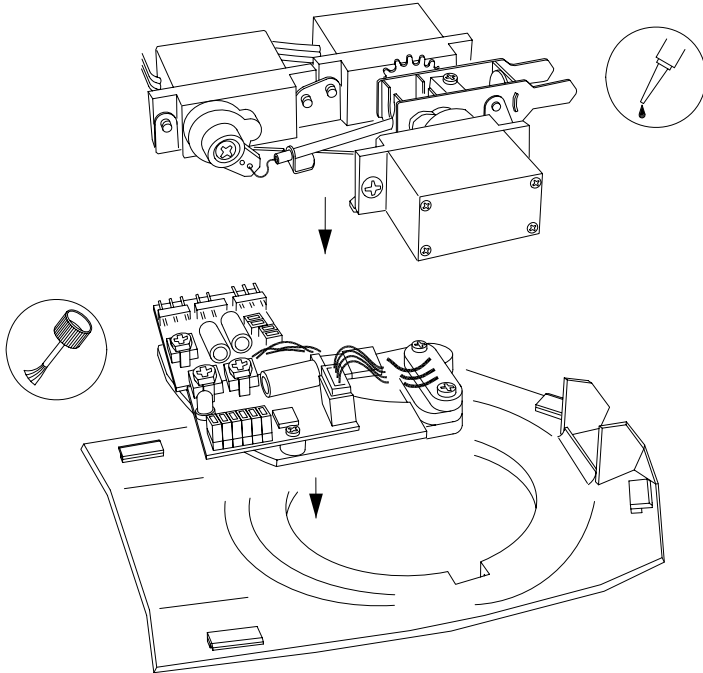
6 Speaker



7 Servo assembly, ACU and GSU

Install servo assembly

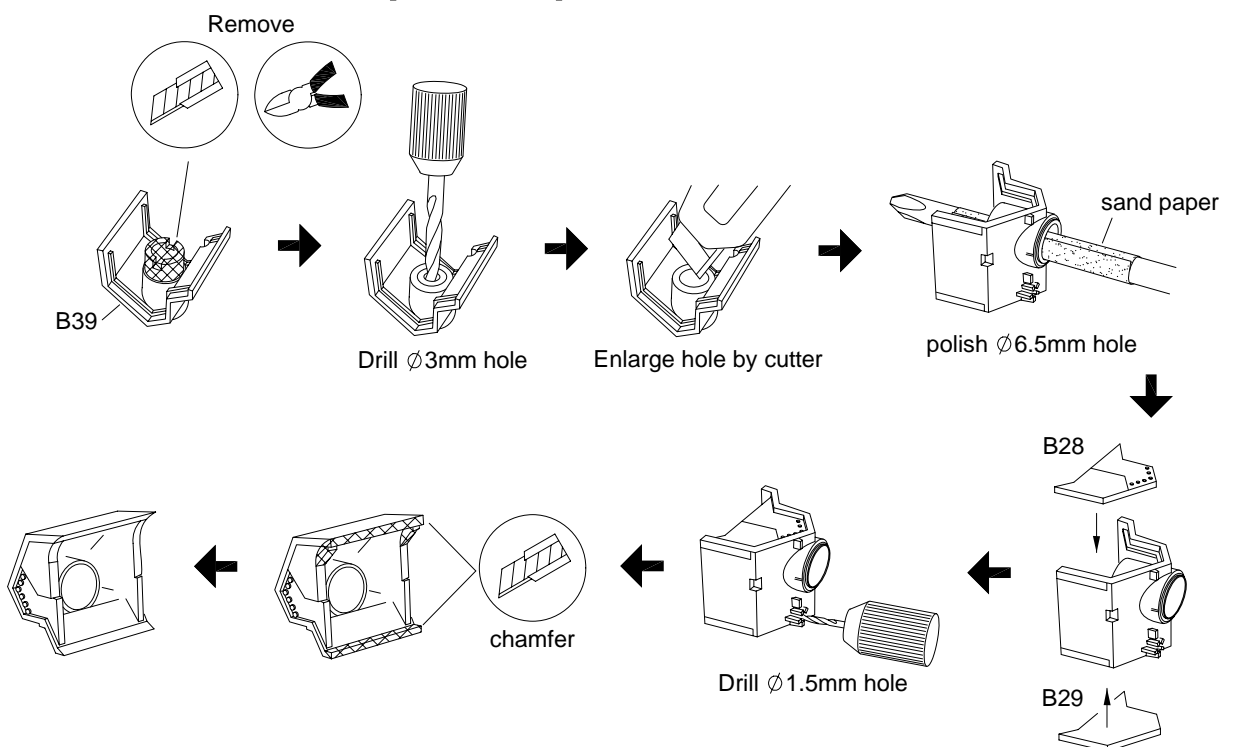
- 1) Position servo assembly as shown.
- 2) Check alignment before applying instant glue.
- 3) Apply instant glue carefully. Too much glue will stick moving parts!



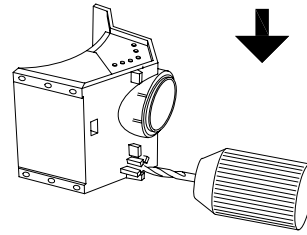
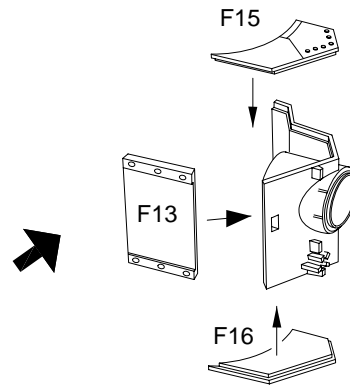
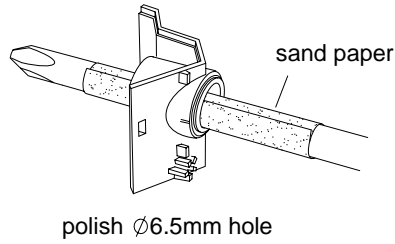
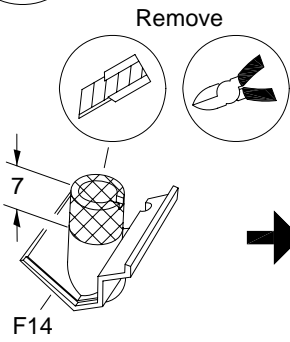
Install ACU & GSU

- 1) Position ACU and GSU as shown. Apply clement to secure.

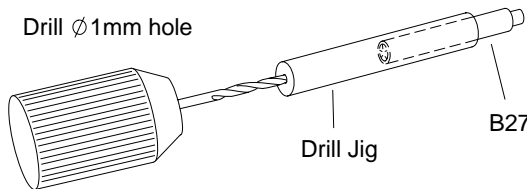
8A Gun mantlet (M1A1)



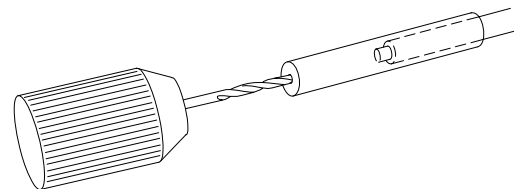
8B Gun mantlet (M1A2)



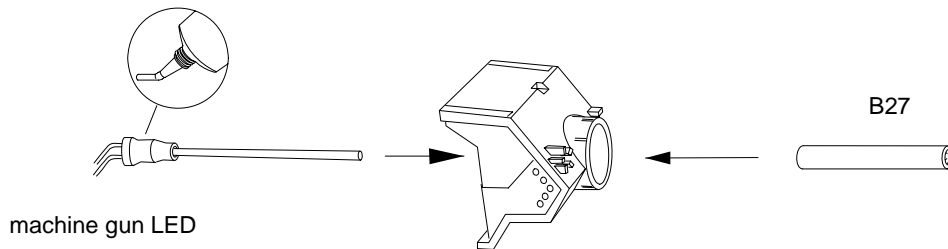
9 Machine gun LED



1) Drill half depth from one end

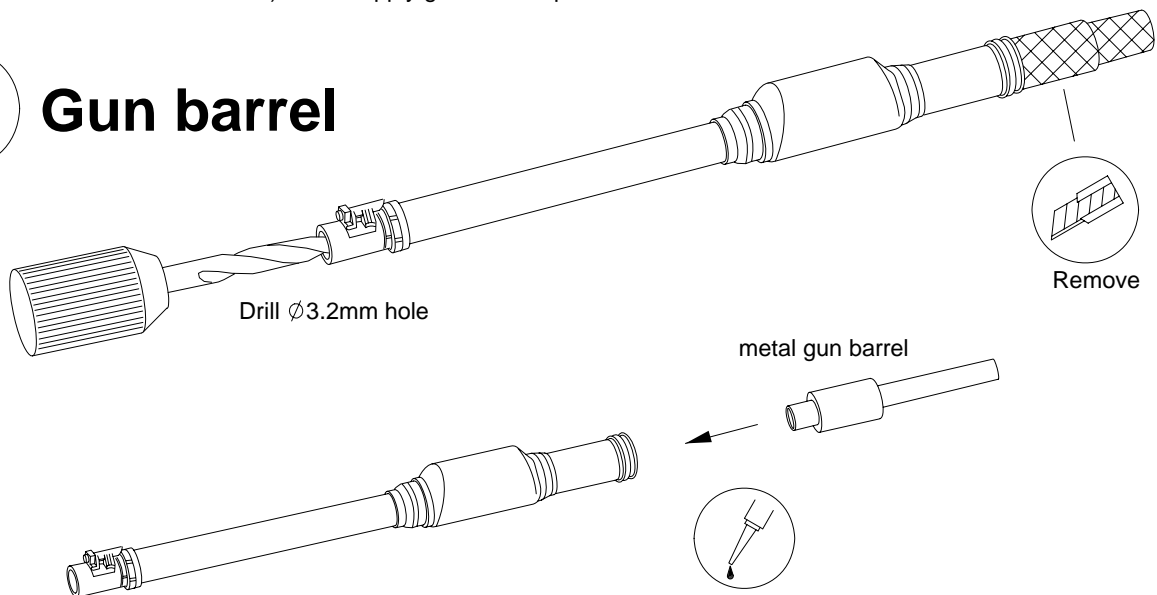


2) Drill through from other end

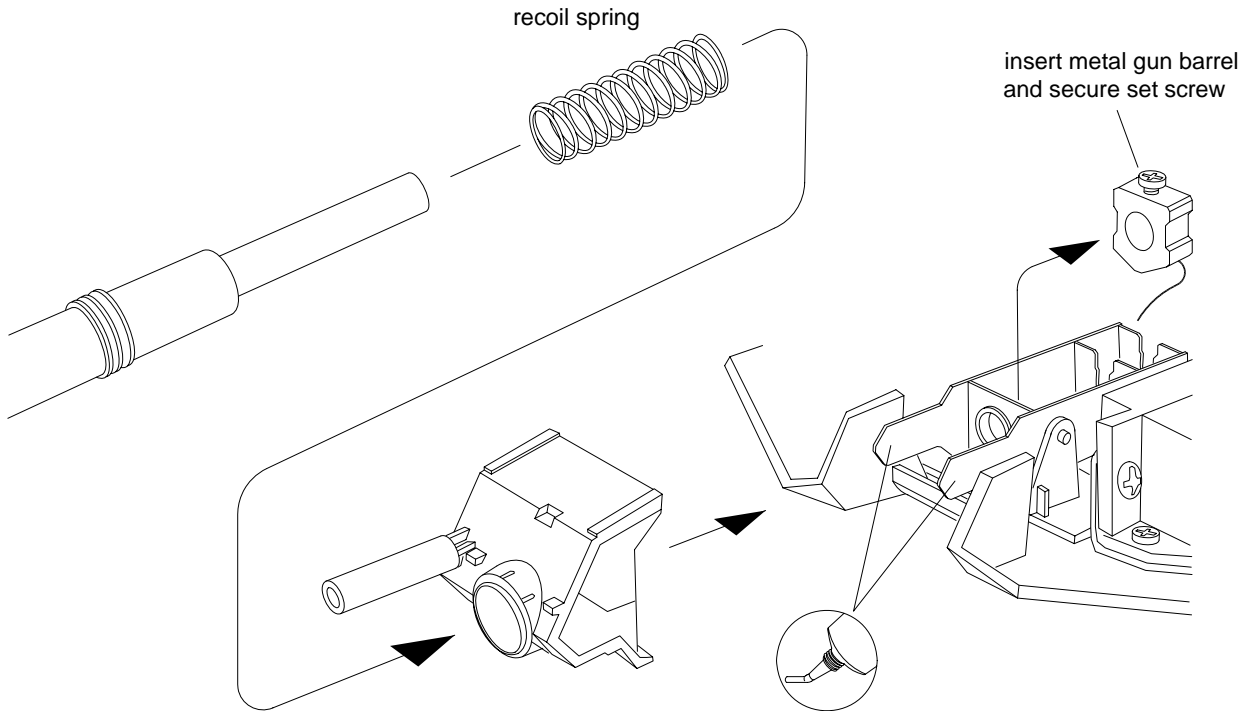


- 1) Use all purpose glue to attach the machine gun LED
- 2) Do not apply glue to the optical fibre!

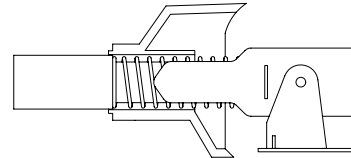
10 Gun barrel



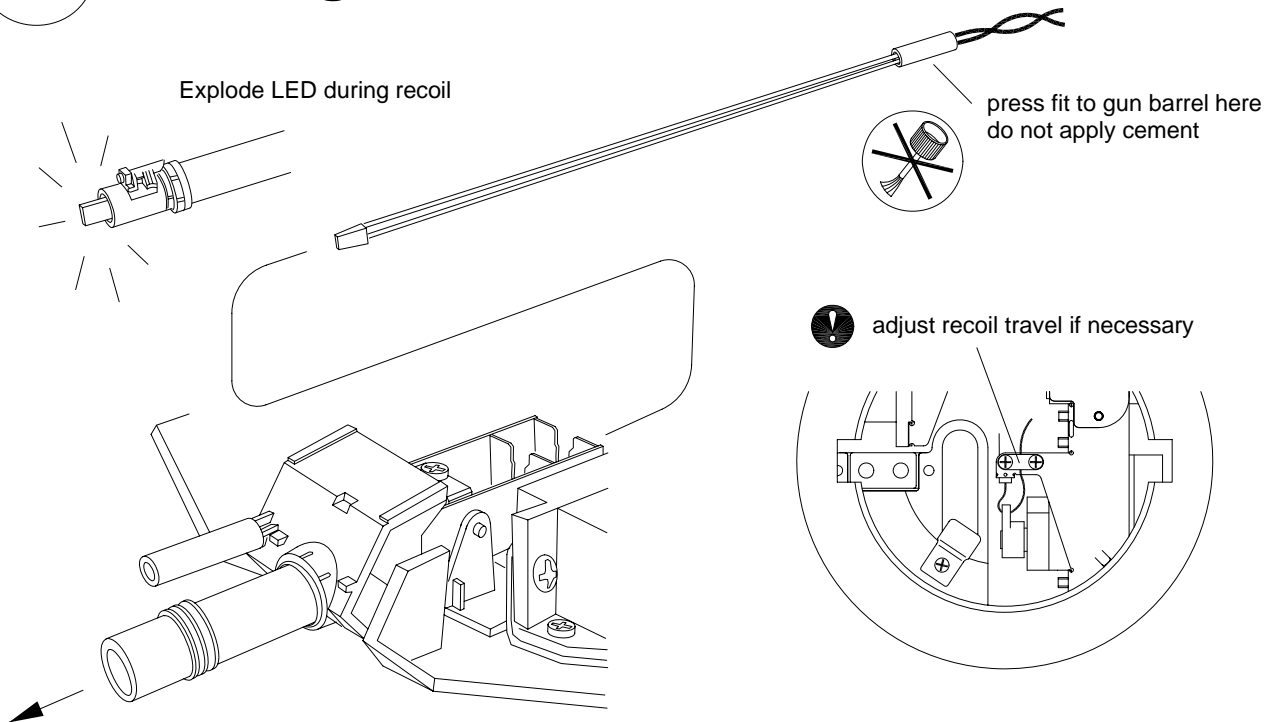
11 Attach gun barrel and gun mantlet



- 1) Use all purpose glue to attach the gun mantlet
- 2) Test the recoil mechanism and make sure the gun mantlet is well aligned



12 Attach gun flash LED

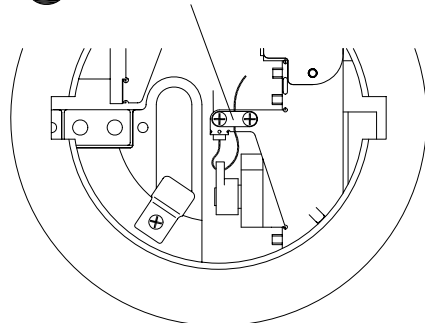


Explode LED during recoil

press fit to gun barrel here do not apply cement



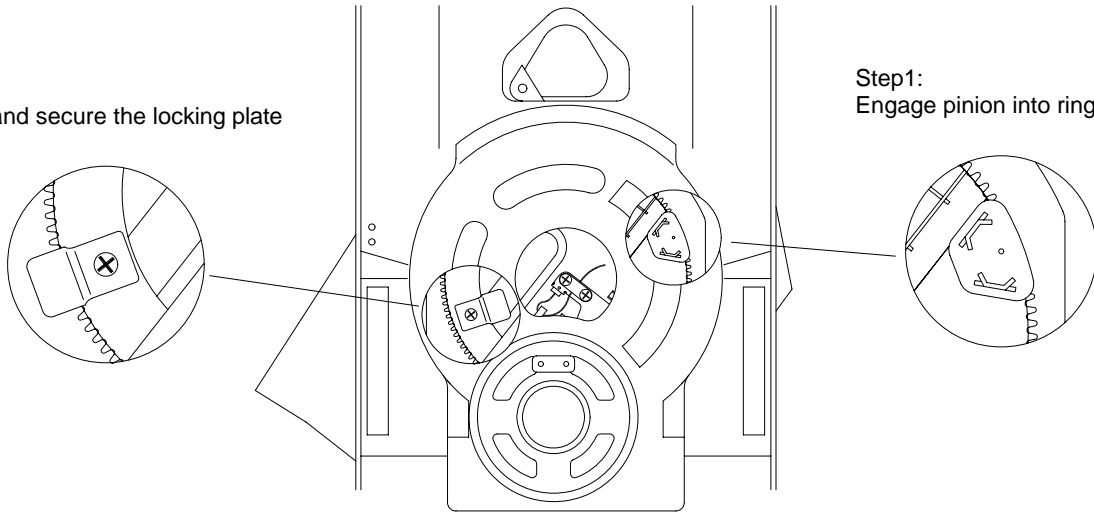
adjust recoil travel if necessary



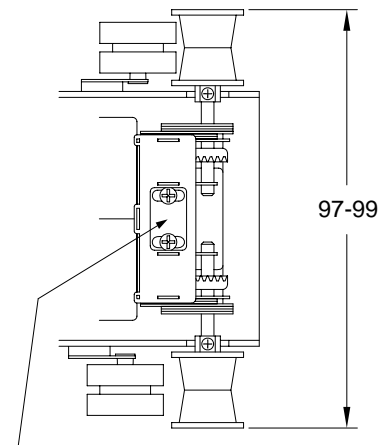
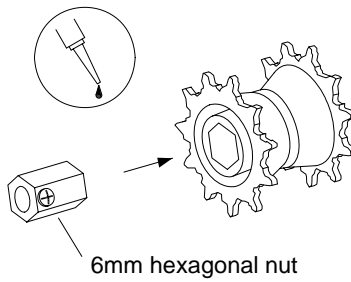
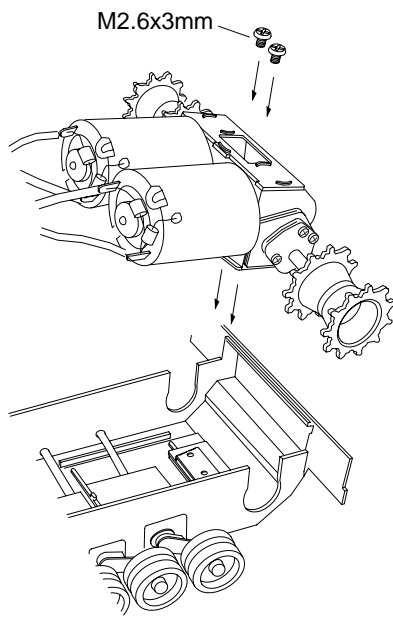
13 Attach turret

Step2:
Rotate and secure the locking plate

Step1:
Engage pinion into ring gear.



14 Motor and sprockets

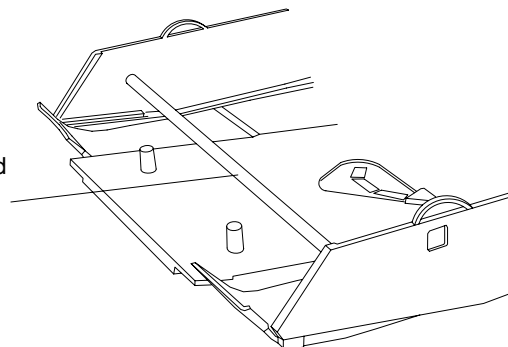


⚠ Move to adjust track tension. Track will detach easily either too tight or too loose. Adjust till tracks run smoothly.

Tips:

- 1) Align sprocket with last wheel. Prevent sprocket touching the side skirt and the last wheel.
- 2) Check if all wheels are smooth to turn.
- 3) Apply baby powder to new tracks for smooth running.

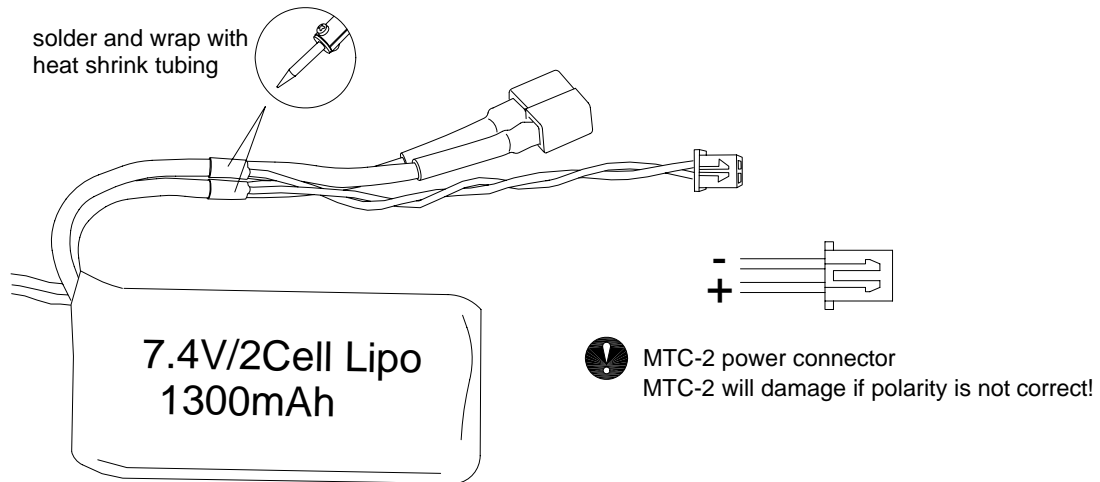
There is little space between the side skirts and the track at the idle wheel. Insert an 103mm sprue to ensure enough space for tracks.



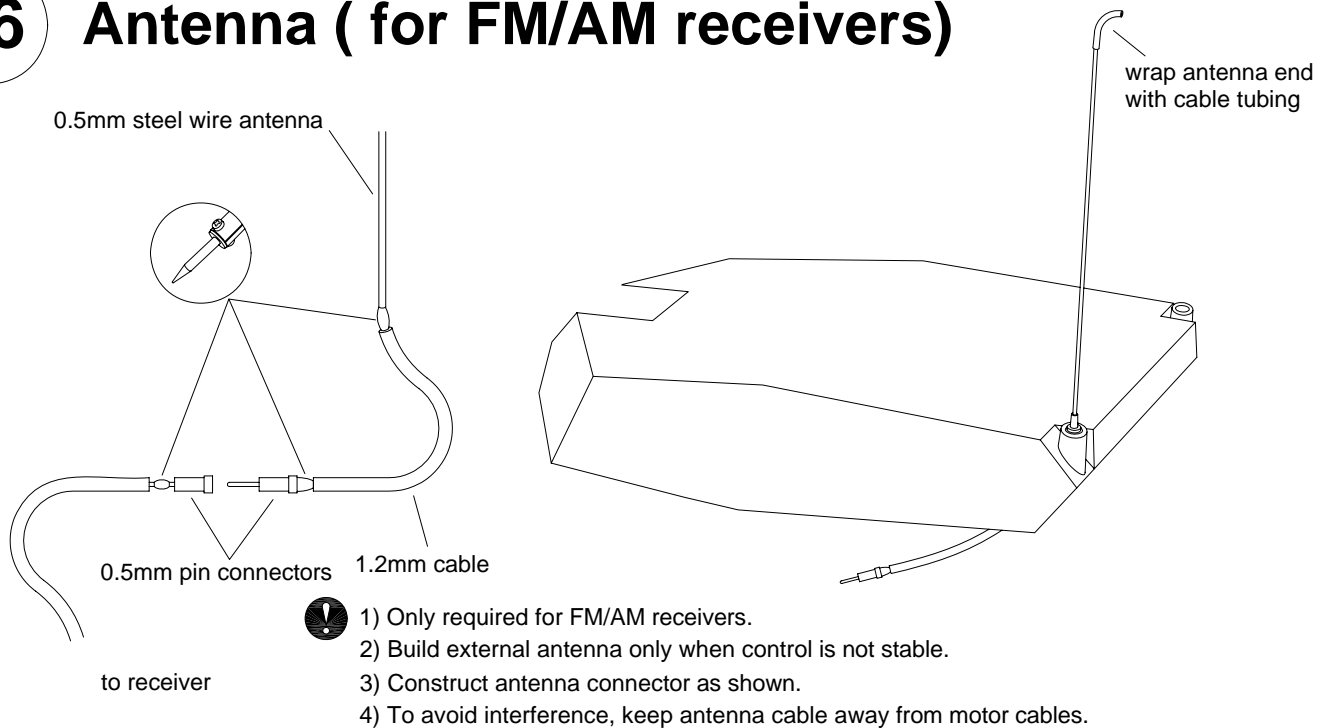
15 Using Lipo battery (optional)

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

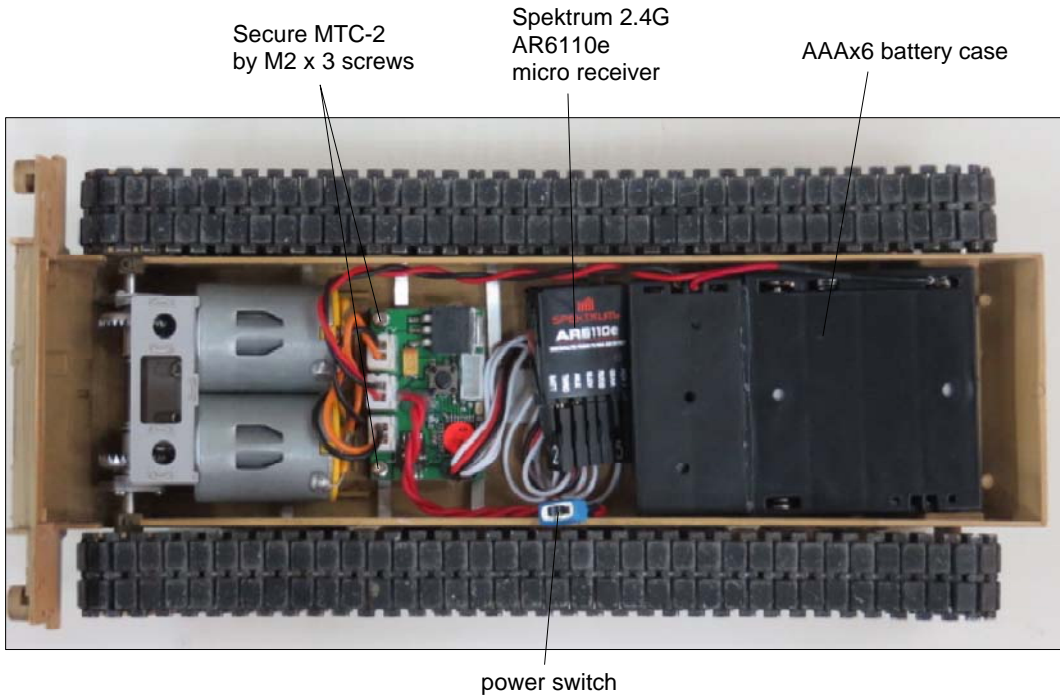
- 1) Use 7.4V/2Cell Lipo battery (800-1500mAh)
- 2) Make sure battery is small enough to put inside the lower hull.
- 3) Solder connector for MTC-2 as shown. Keep original connector for charging.



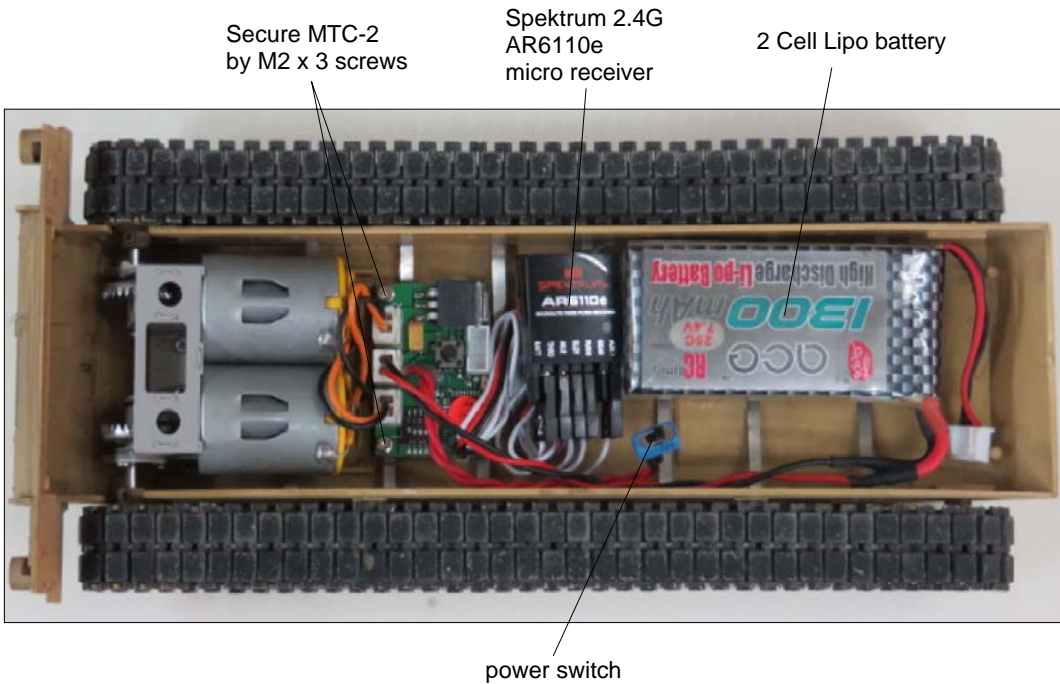
16 Antenna (for FM/AM receivers)



17 Lower hull connections



Using 6 Cell AAA NiMH battery



Using 2 Cell Lipo battery

18 Turret connections

- 1) Connect servos, speaker and LEDs according to ACU and GSU manual.
- 2) Tie up cables neatly and away from moving parts.

