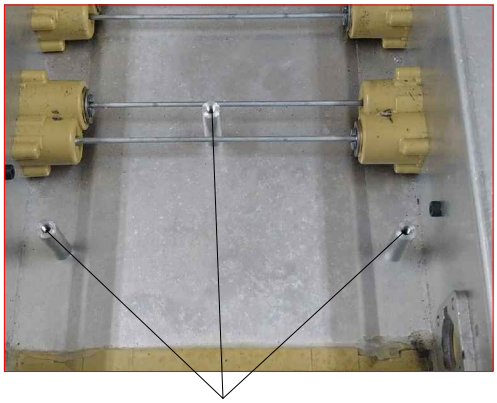
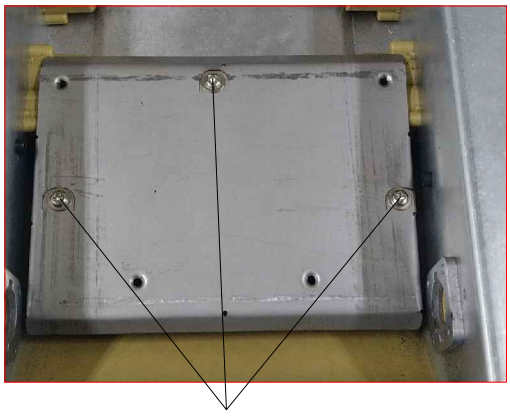
RC Conversion Kit for Tamiya 1/16 M1A2 Abrams (Airsoft Gun Version) Installation Manual

1 Gearboxes (for display version)

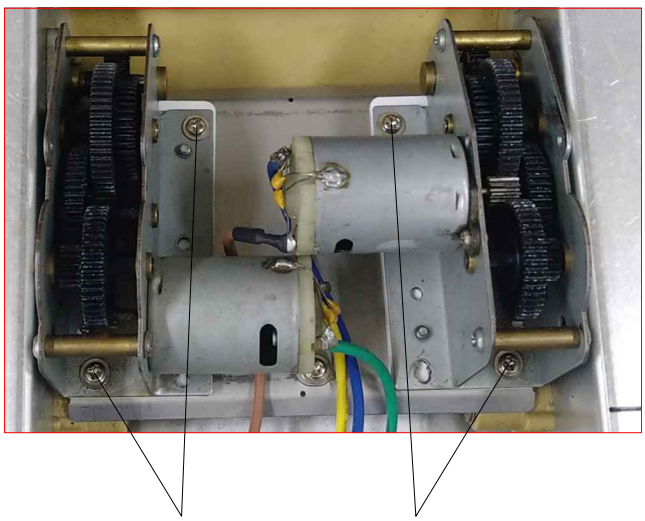
use a step drill to enlarge shaft hole to ∅11mm



install gearbox mounting poles with M3x6 screws



install gearbox mounting plate with M3x6 screws

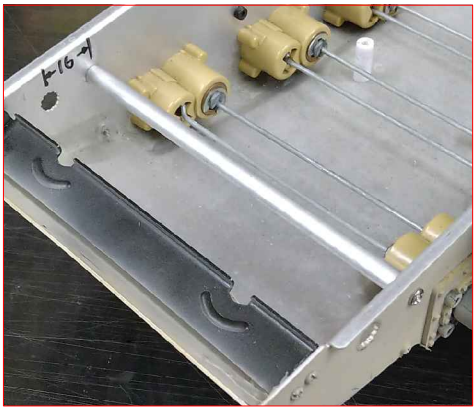


install left and right gearbox with M3x6 screws

install sprockets according to TAMIYA manual

Copyright 2025 www.35rctank.com

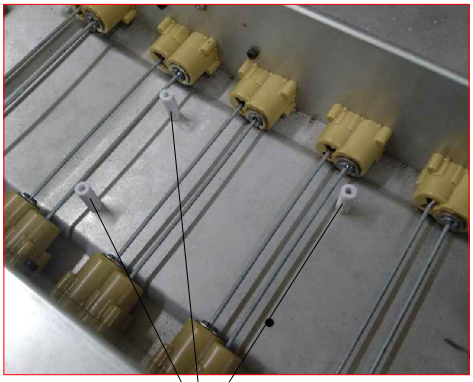
2 Idler wheels (for display version)



Install a support bar near the idler wheels
Drill ∅3.5mm holes and secure with M3x4 scews

3 Main control board

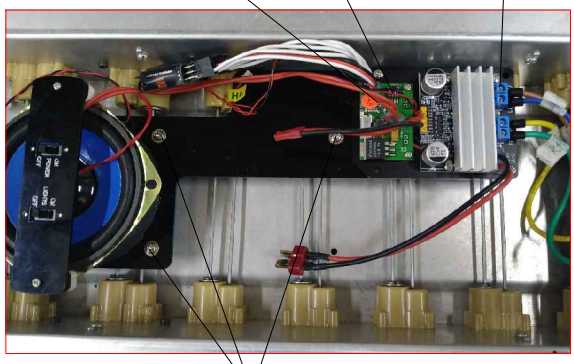
set SW2 to off position if you use TAMIYA double differential gearbox



Install mounting poles with M3x6 screws

MTC-2-BT

connect motor cables

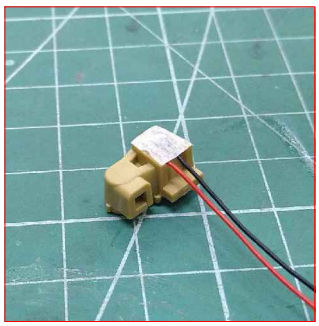


Install main control board with M3x6 screws

4 Head lights

drill ∅3mm hole on C21

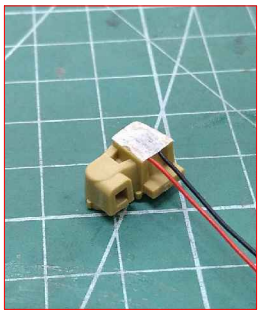
use aluminum sticker to make mirror surface



insert LED, use adhesive tape to insulate electrodes

Copyright 2025 www.35rctank.com

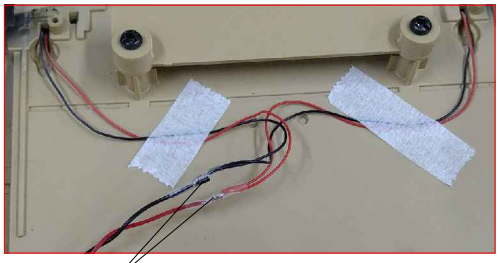
4 Head lights



attach aluminum sticker
on top to block lights

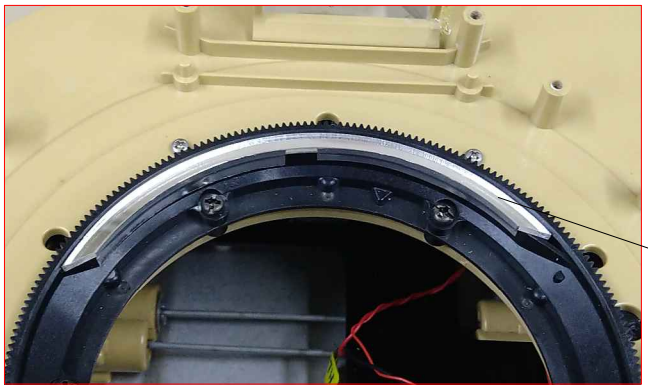
remove 1mm

attach head light



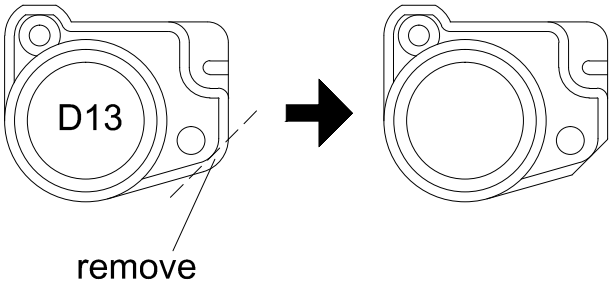
connect cables and wrap with
heat shrink tubings

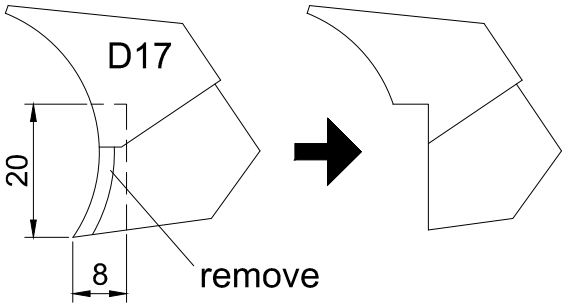
5 Turret



use aluminum sticker
to attach mirror plate

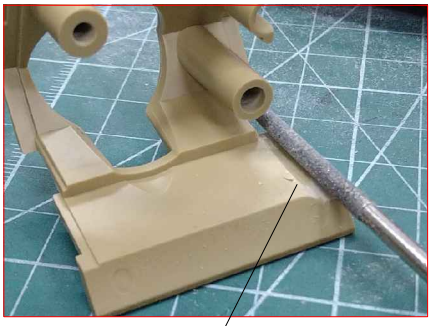
6 Laser pointer



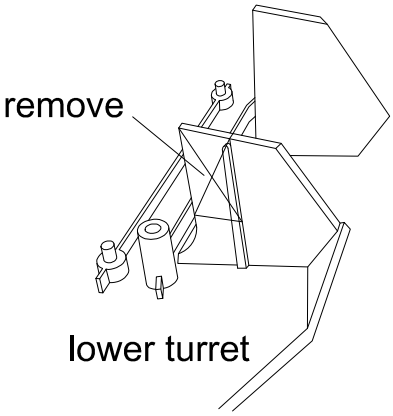


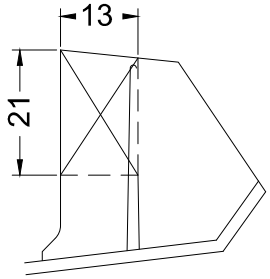
Copyright 2025 www.35rctank.com

6 Laser pointer



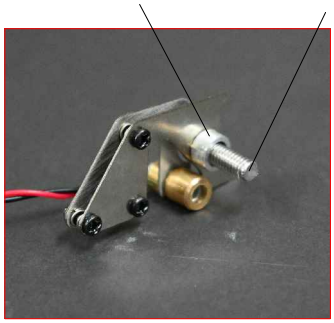
make a groove on D14



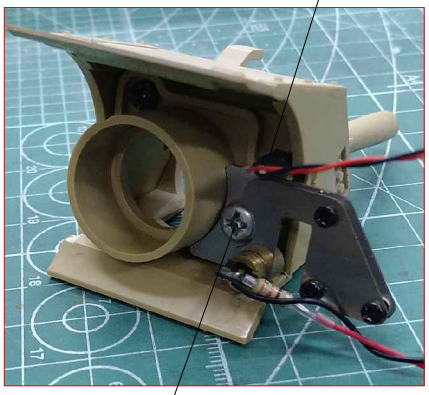


insert 3mm spacer

M4x12 screw

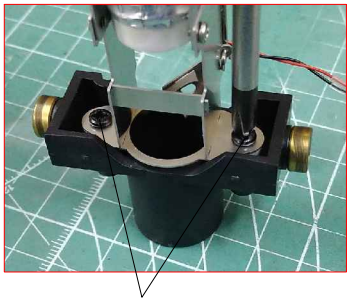


insert machine gun LED

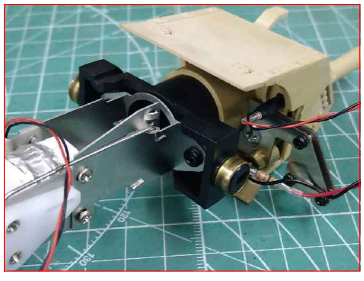


secure with M4x12 screw

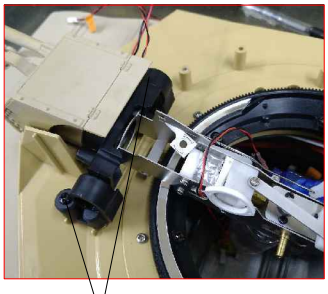
7 Main gun



attach main gun to R13
with PB3x10 screws



attach gun shield



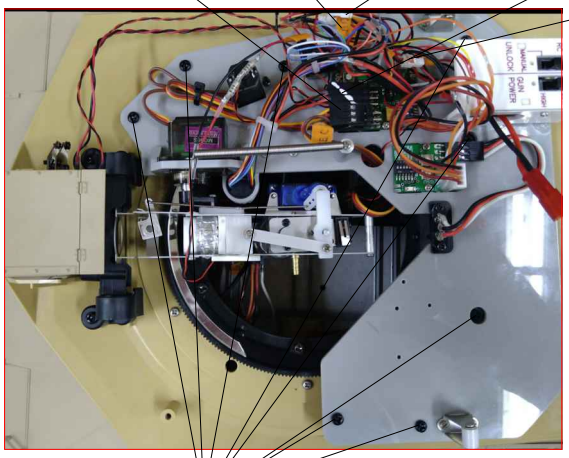
attach main gun to turret
with PB3x10 screws

Copyright 2025 www.35rctank.com

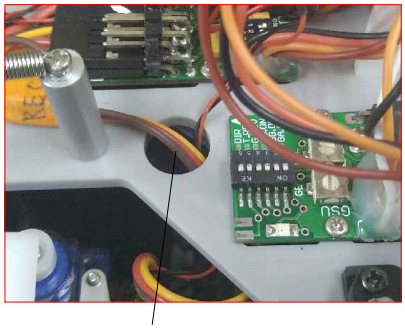
8 Turret control board

connect cables

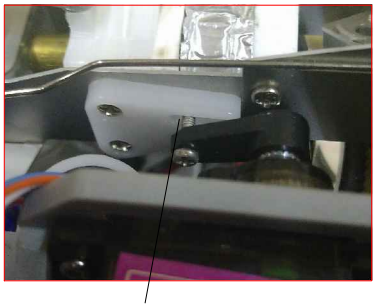
REC cable UV cable LS cable MG cable MT cable



attach turret control board with PB3x10 screws



pass REC and MT cables through this opening



insert servo arm into slot

adjust turret motor position

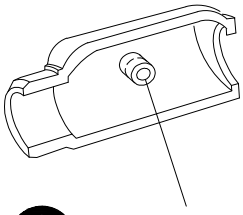
after connecting cables, tie them neatly and away from moving parts!

9 Gun barrel

use abrasive paper to enlarge H2 opening to ∅7mm

make sure H2 can pass through metal gun barrel

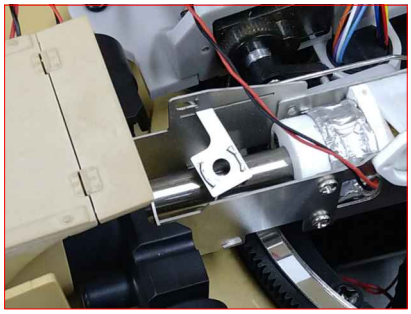
D27,D28



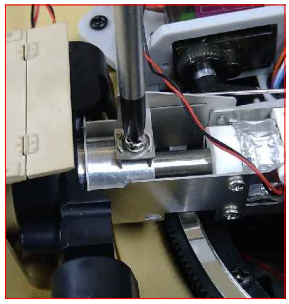
remove 1.5mm

Copyright 2025 www.35rctank.com

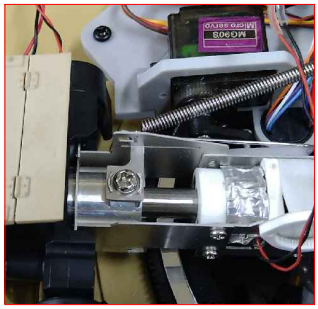
9 Gun barrel



carefully insert the gun barrel

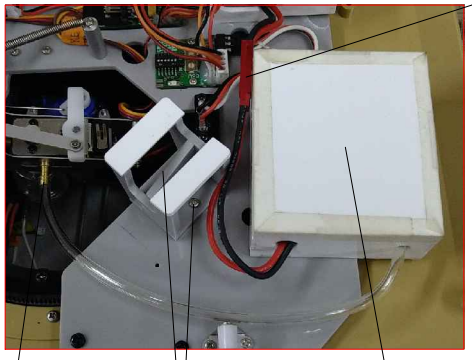


insert and secure outer barrel with M3x5 screw

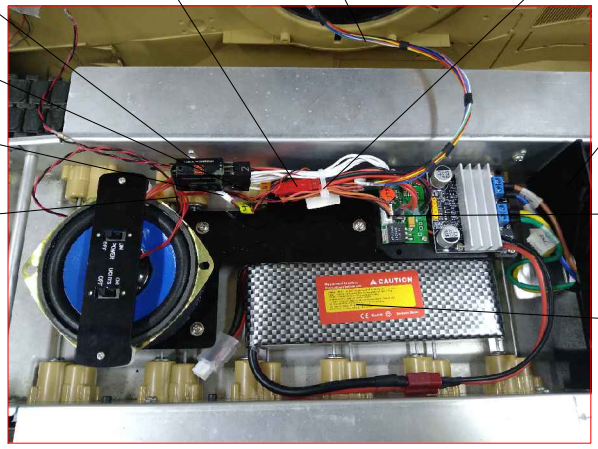


attach balance spring

10 Bullet tray and air pump



11 Lower hull connections



Copyright 2025 www.35rctank.com