SPYKER WORKSHOP

FUNCTIONAL 3D PRINTING



FV101 / FV107 TANK KIT

DESIGNED BY MOO SPYKER

INTRODUCTION

Thank you for your purchase of your very own 3d printed tank kit!

This tank has been fully designed from the ground up to be 3d printed and ready to IR battle.

When fitted with a Clark TK22 board it is compatible with Tamiya and Heng Long IR battle systems.

Measures approximately 11 x 5.5 x 5.5 inches.

Spyker Workshop is not responsible for any harm caused from the use or construction of this machine. Please use common sense when operating this machine!

See the separate **ELECTRONICS** page for how to wire the functions of the tank.

REQUIRED

- ABS Spray Paint Primer (Krylon Fusion, etc.)
- ABS or Super Glue to bond parts together
- Grease
- Paint
- Assembly
- Remove support material and clean-up parts
- Drill holes to larger sizes

TOOLS

- Misc household tools.
- Drill bits needed (Required to start building this kit!)
 - 0.07"
 - 5/64"
 - 3/32"
 - 1/8"
 - 9/64" - 3/16"
 - 3mm
 - 5mm
 - 7mm

SOLD INDIVIDUALLY

- Deck A. B or C
- 30mm, 76mm or 90mm gun
- Wheels A or B
- Optional Storage boxes A, B or C

ELECTRONICS REQUIRED

- Transmitter / Receiver
- Electronic controller board like Clark TK22
- IR emitter
- Speaker / Volume Control
- Tamiya apple or similar receiver to pick up IR damage
- 2x 370 brushed motors
- 12 wire slip-ring for 360 turret rotation (Optional)
- 1x Micro servo modified for 360 degree rotation
- 2x Micro servos
- Power Switch + Power Wires + Misc Wire
- 30mm Fan
- LED lights and resistors for lights + gun flashes

CONTROLLER BOARD REQUIRED

If you want to use a Clark TK22 board you will need the following items:

- TK22 x 1 (Still not sure which sound set to use)
- TBU BASE x 1 (base to plug apple into)
- IR010 x 1 (IR emitter)
- HL Volume Control x 1
- CAB001 x 1 (small plug)
- HL Cable Set x 1
- IR Configuration Remote x1 (used to configure the board)

To purchase, send Clark an email: sales@clark-model.com

MANUAL WORKFLOW

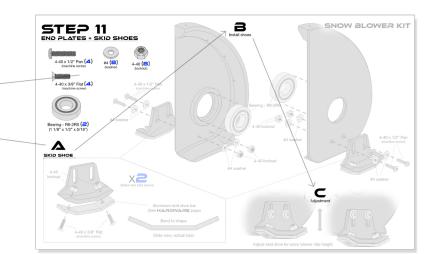
This instruction manual has an easy to follow format on each page.

Under each step lists all the hardware needed for the current step.

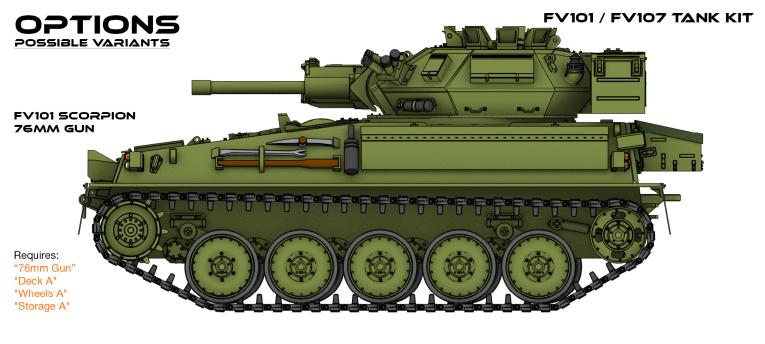
Most steps have an order to follow

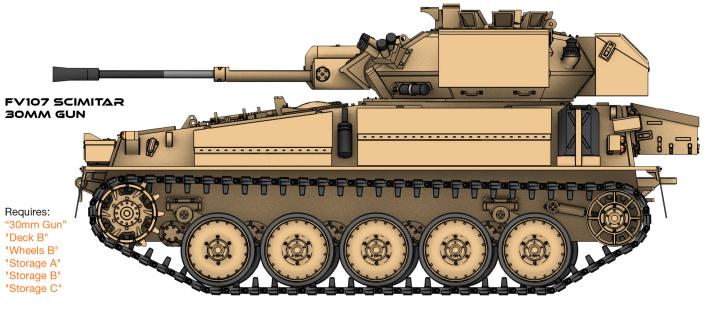
A, **B**, **C**, etc.

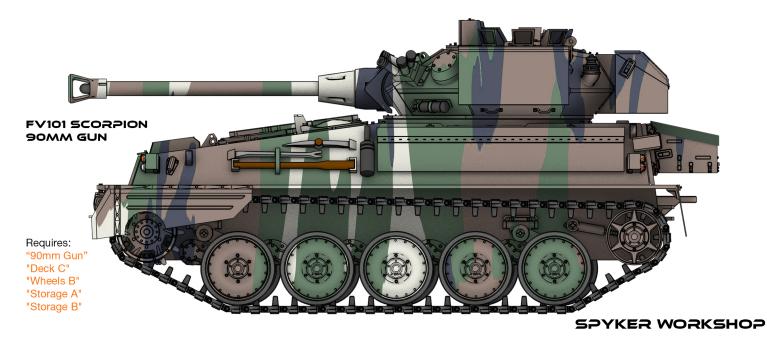
Make sure you read all the text on each step so you don't miss anything!



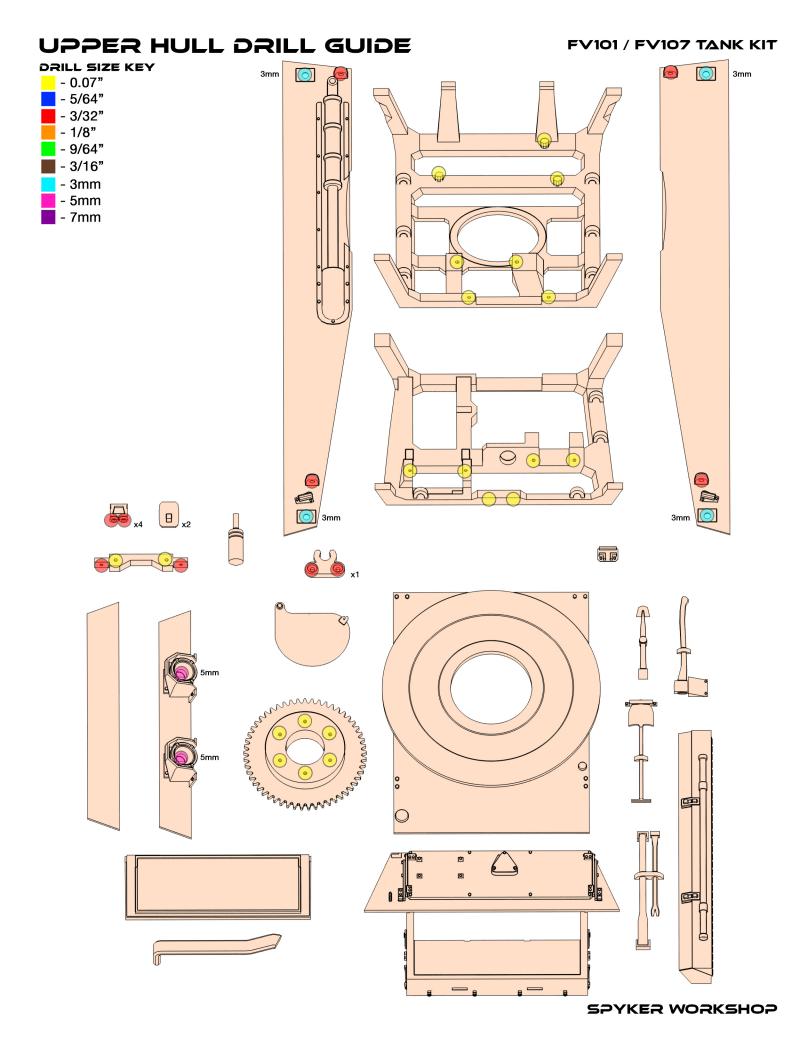
If you get stuck on any part during the build you can email me at spyker.sales@hotmail.com for assistance, have fun!

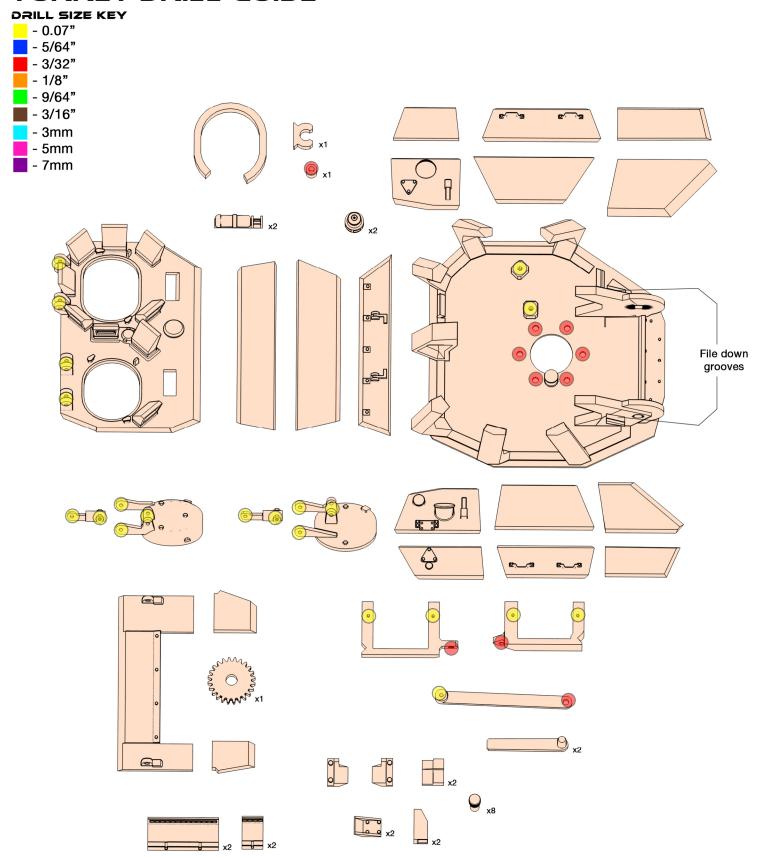






STEP 1 DRILL HOLES IN ALL PIECES (Next 6 pages) LOWER HULL DRILL GUIDE DRILL SIZE KEY - 0.07" - 5/64" - 3/32" - 1/8" - 9/64" - 3/16" - 3mm - 5mm x2 Drill as straight as possible 5/64" 3/16" **2 6** x4 ×10

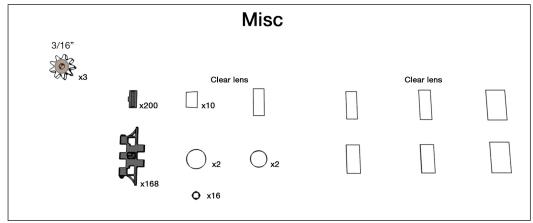


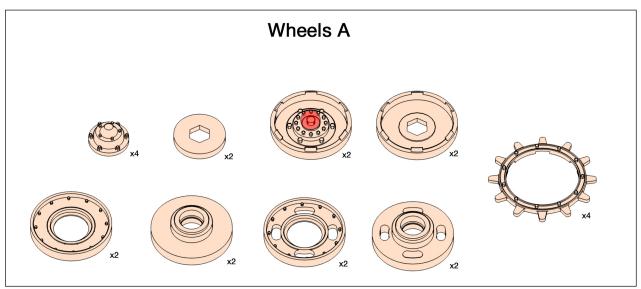


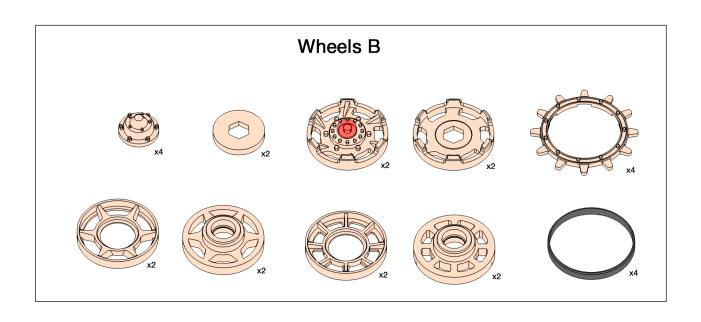
DRILL GUIDE

- 0.07" - 5/64" - 3/32" - 1/8" - 9/64" - 3/16" - 3mm - 5mm

- 7mm

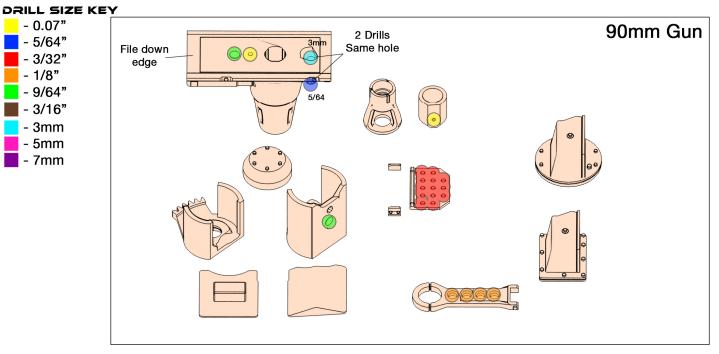


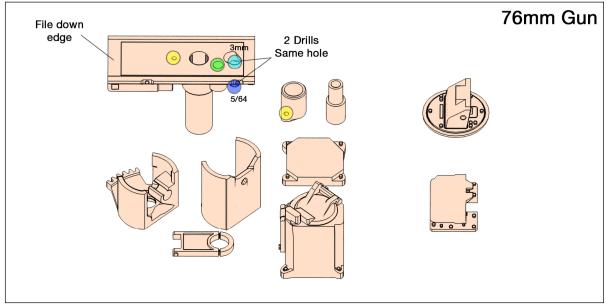


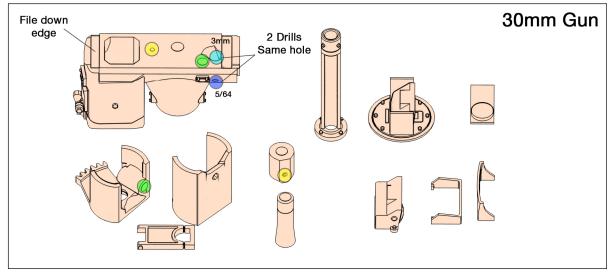


DRILL GUIDE

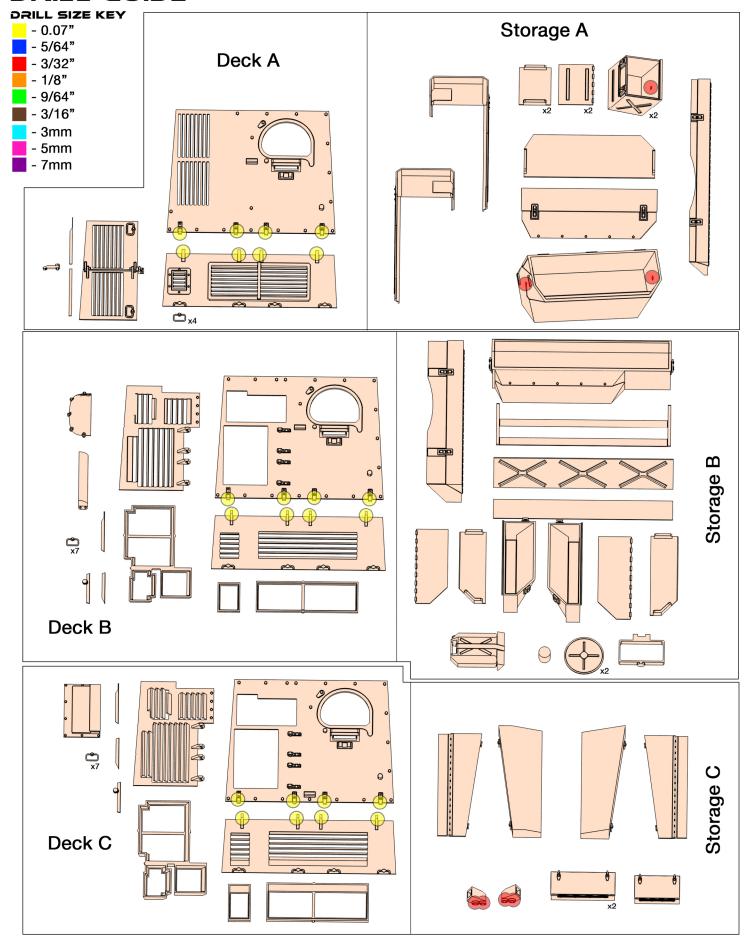
- 0.07" - 5/64" - 3/32" - 1/8" - 9/64" - 3/16" - 3mm - 5mm - 7mm

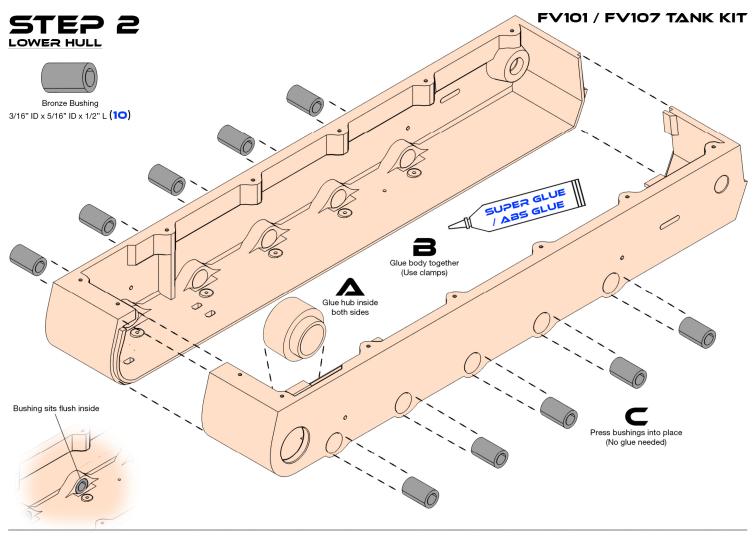


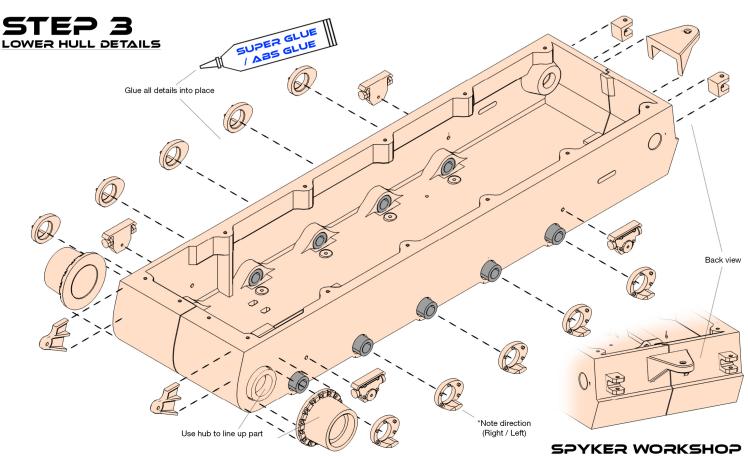


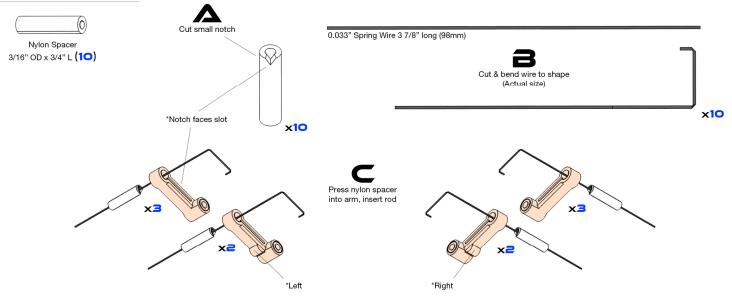


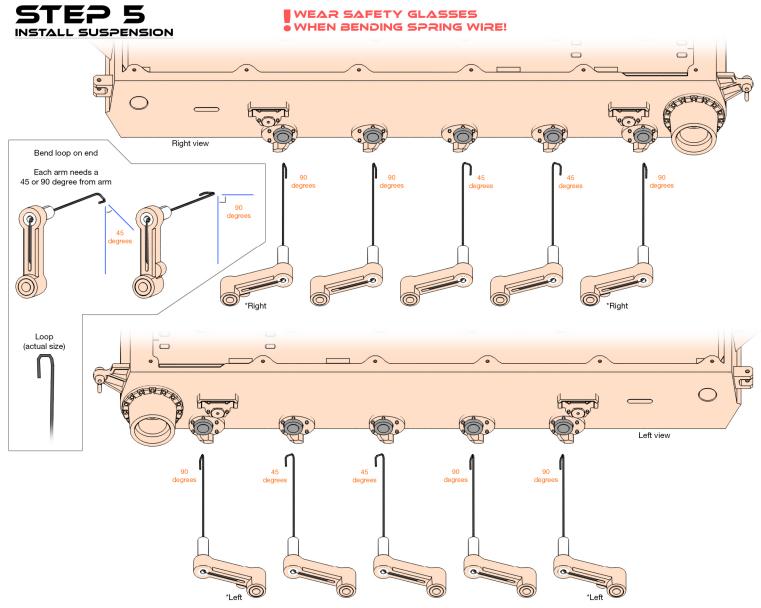
DRILL GUIDE

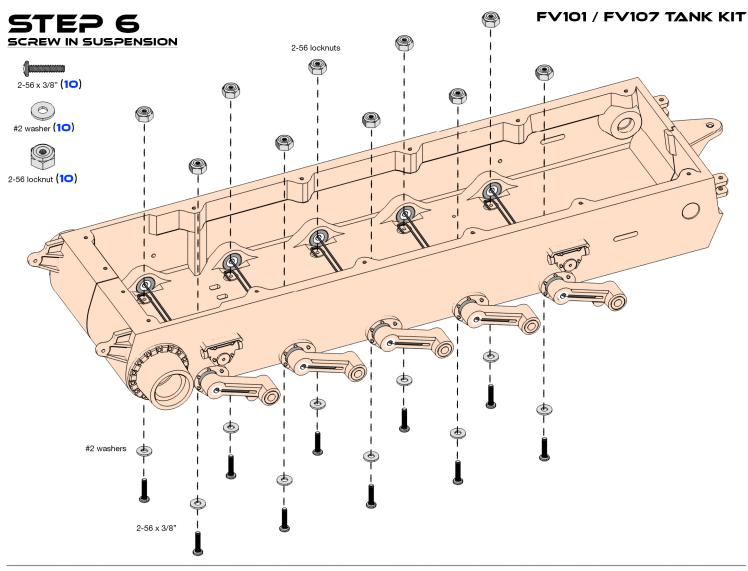


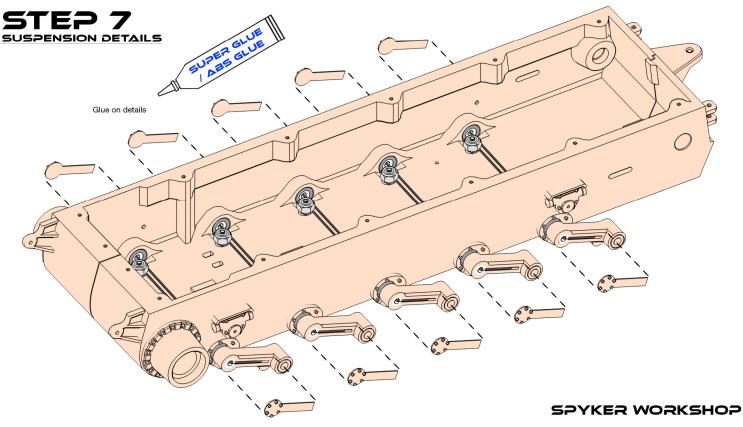


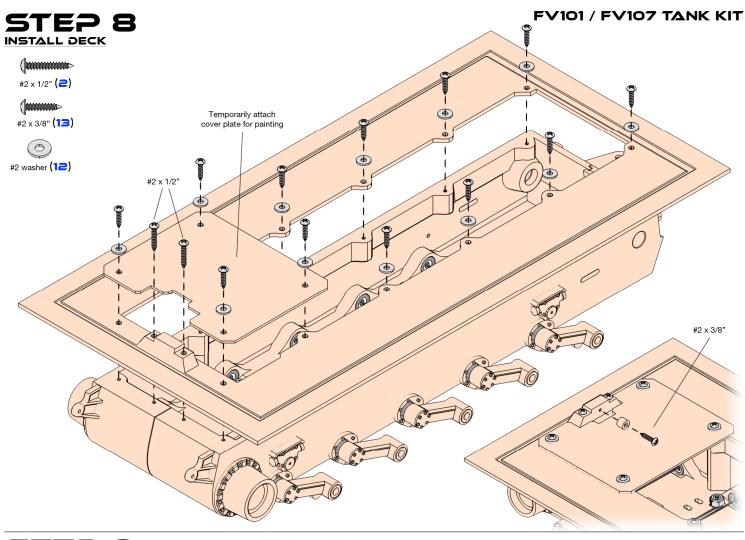






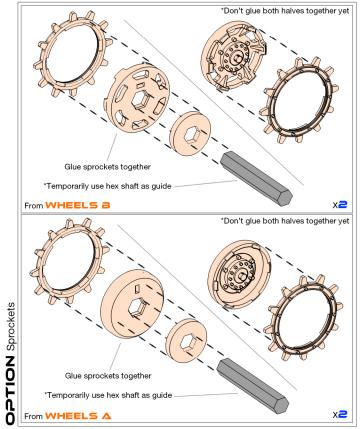


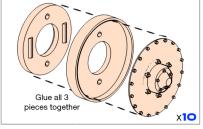


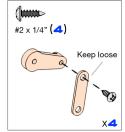


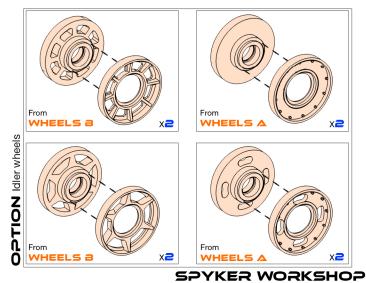


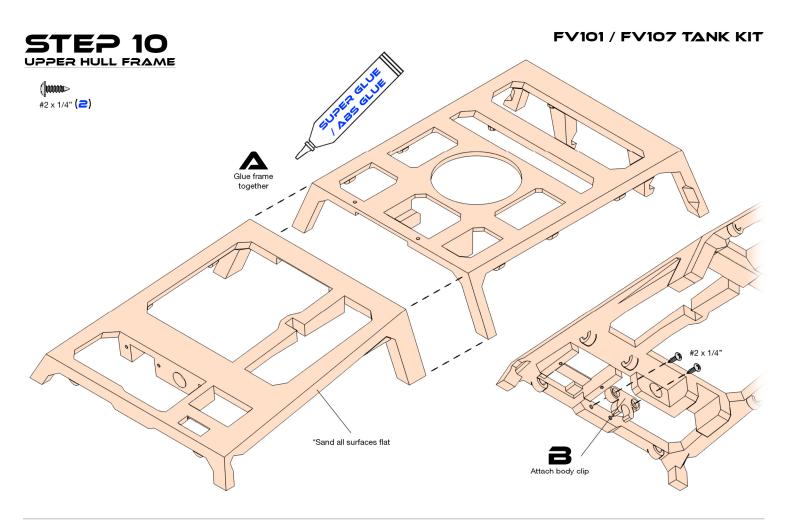


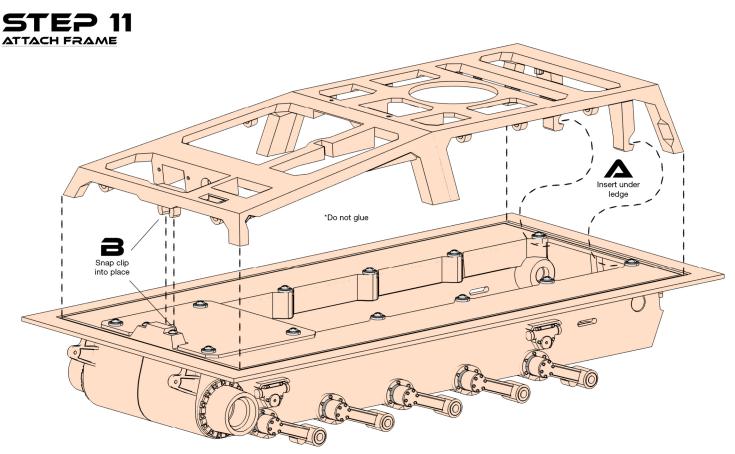


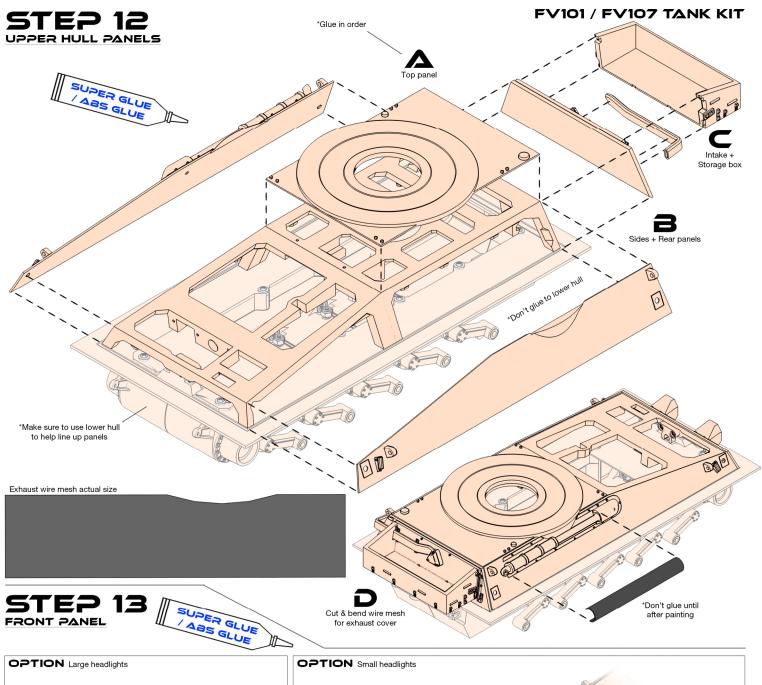


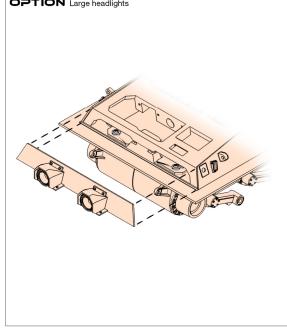


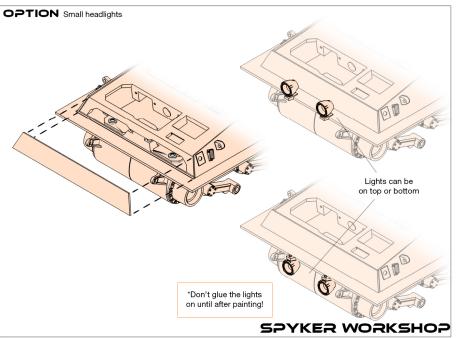






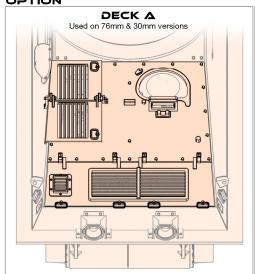


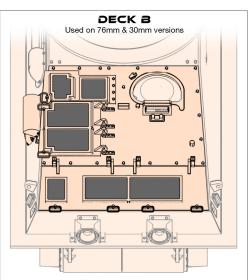


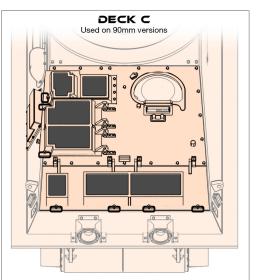


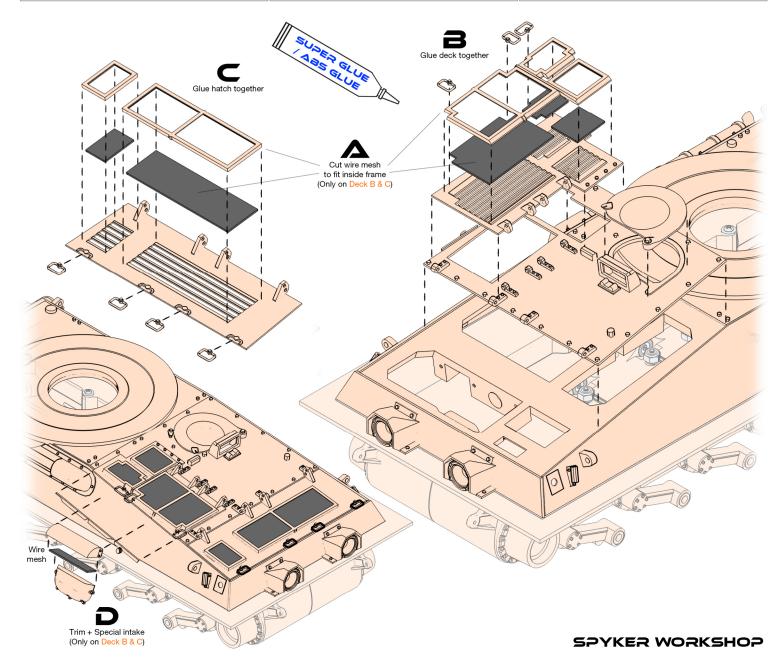


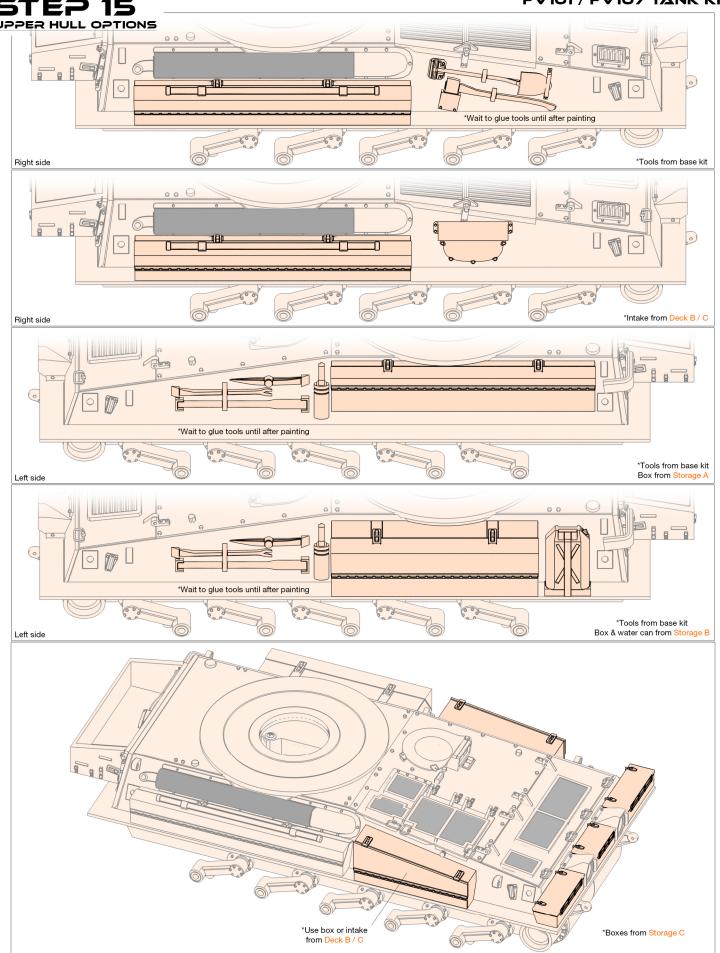
OPTION

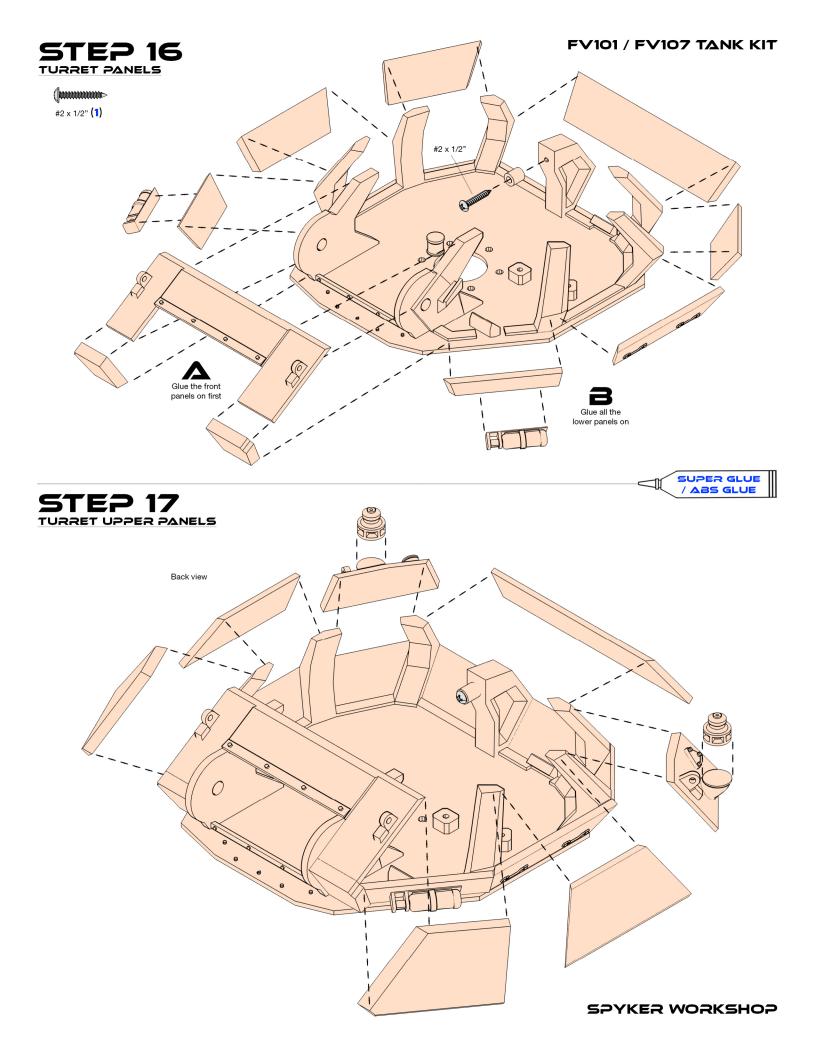


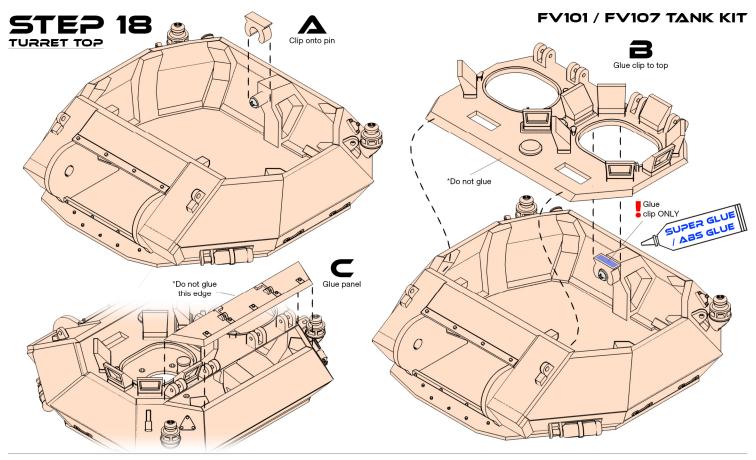






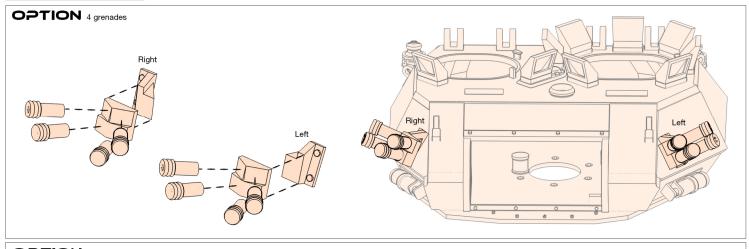


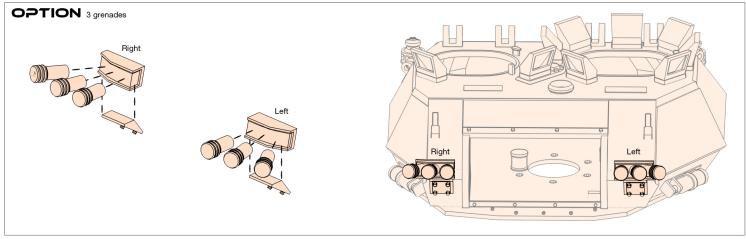






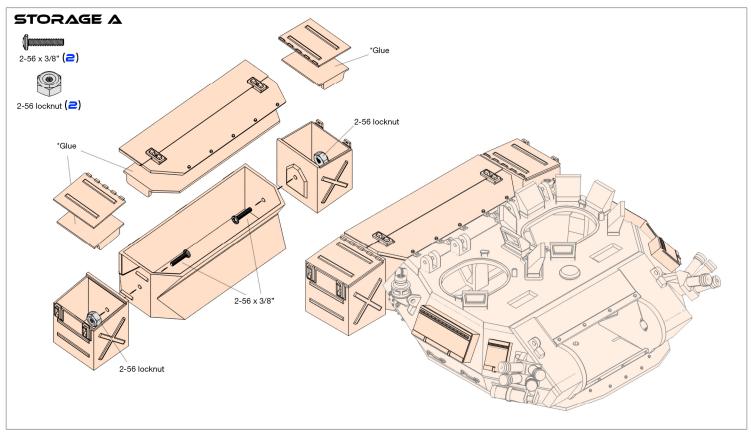




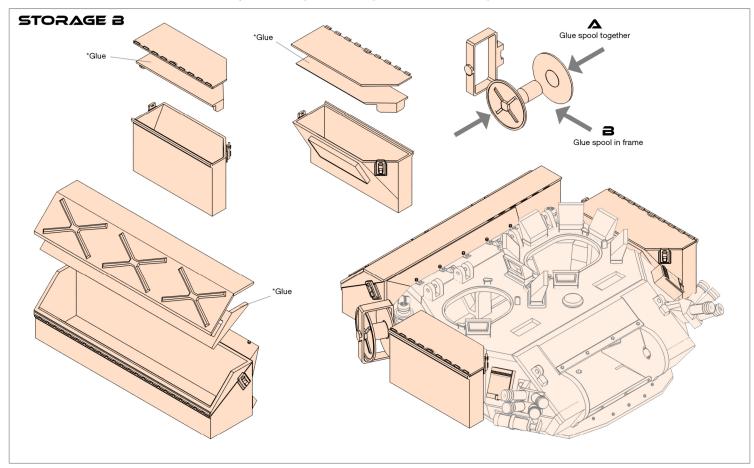


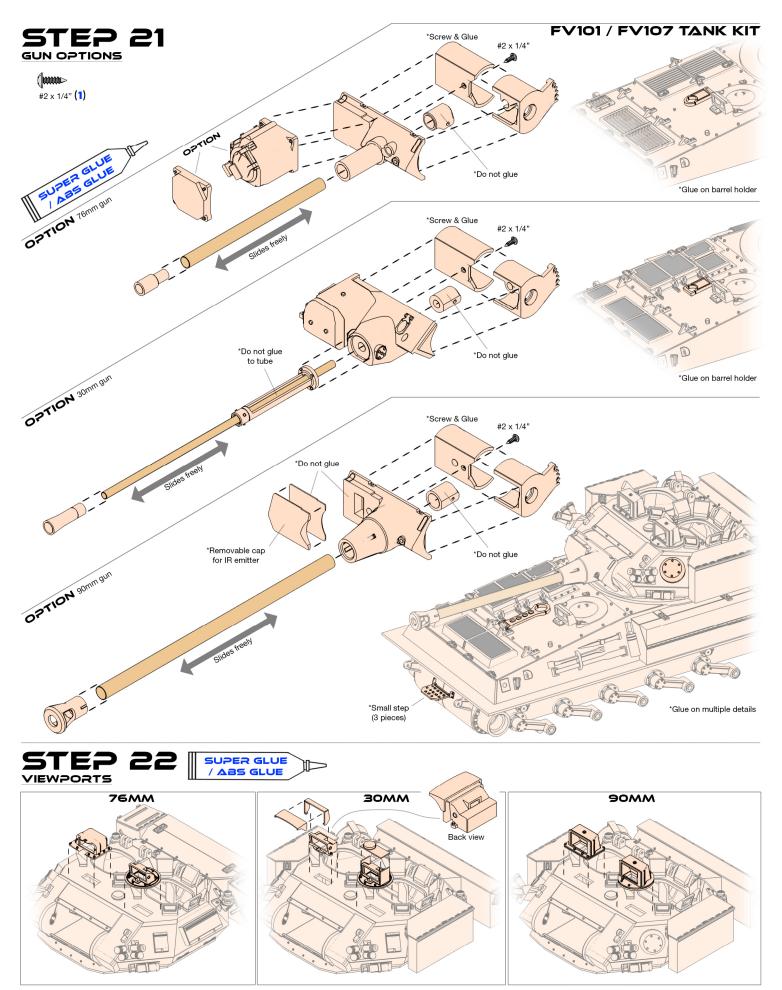




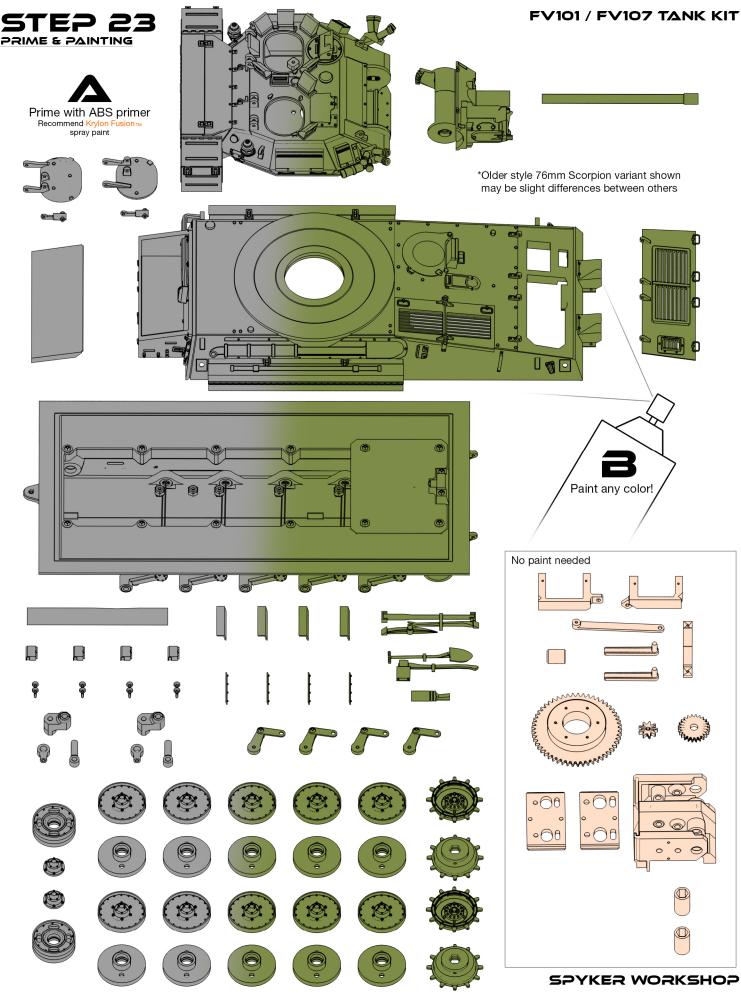


Buy both "Storage A" & "Storage B" to mix and match pieces.

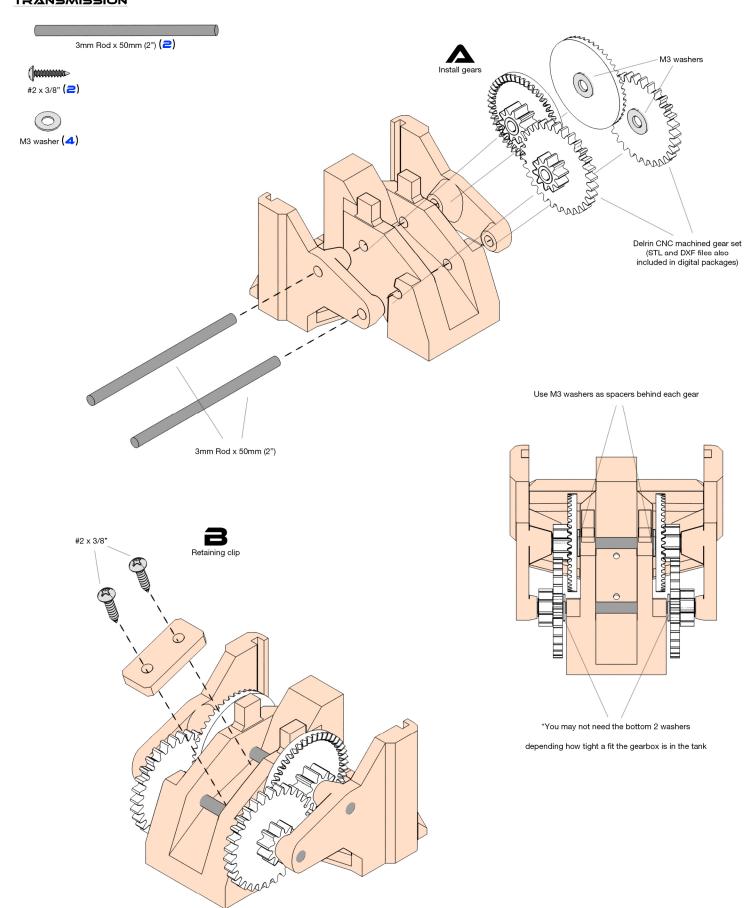


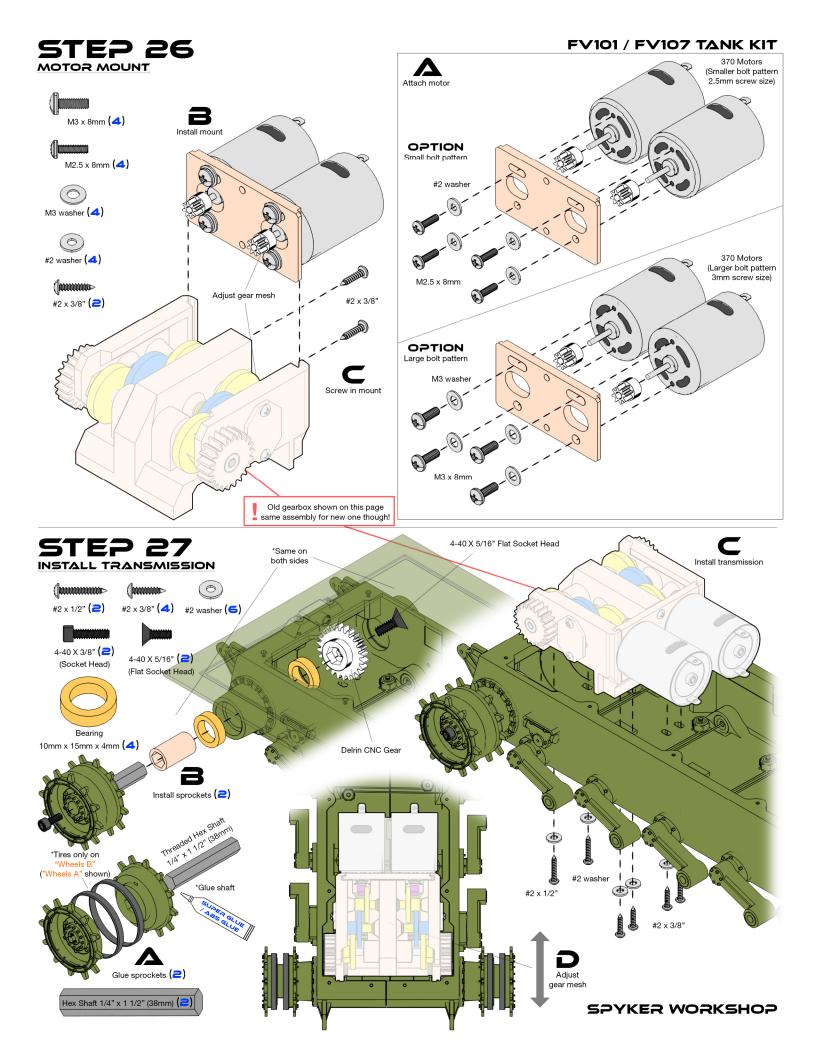


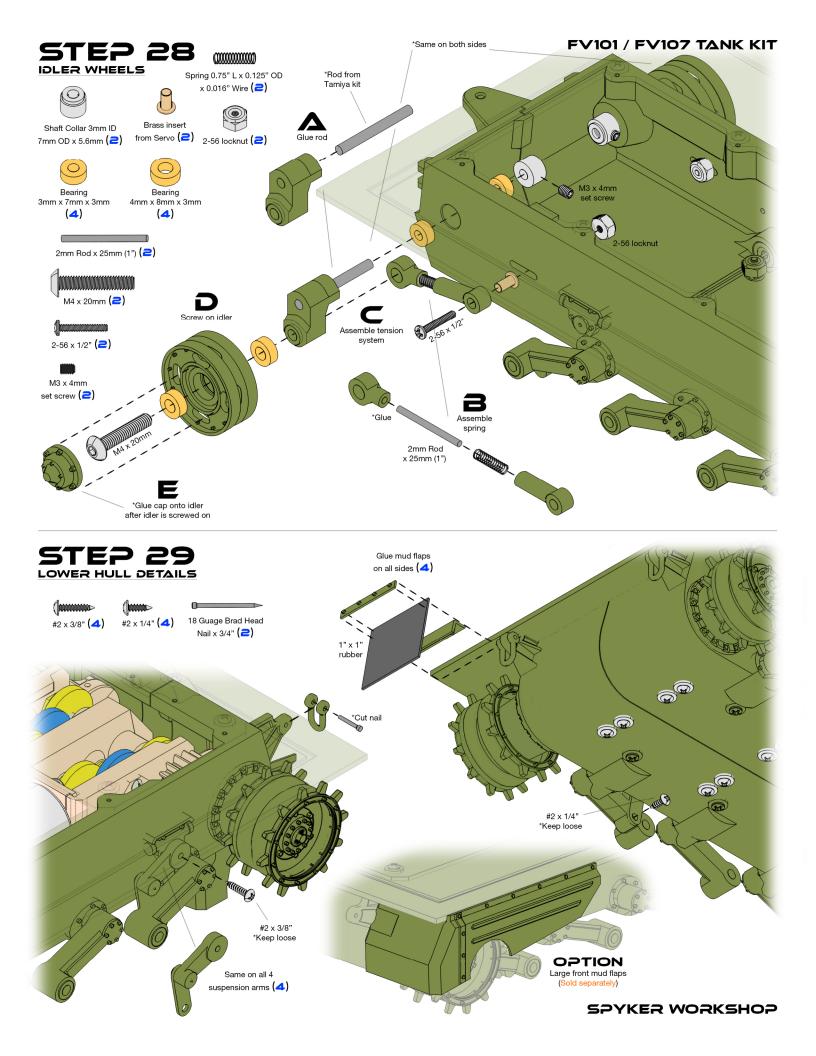


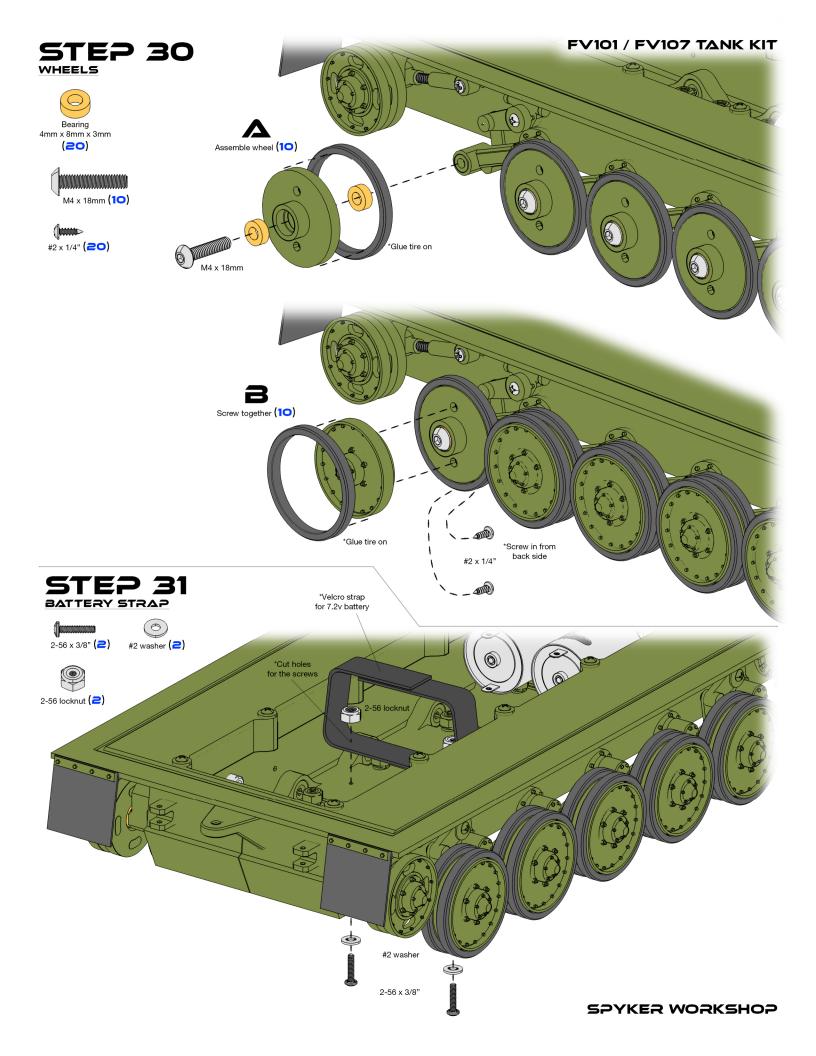


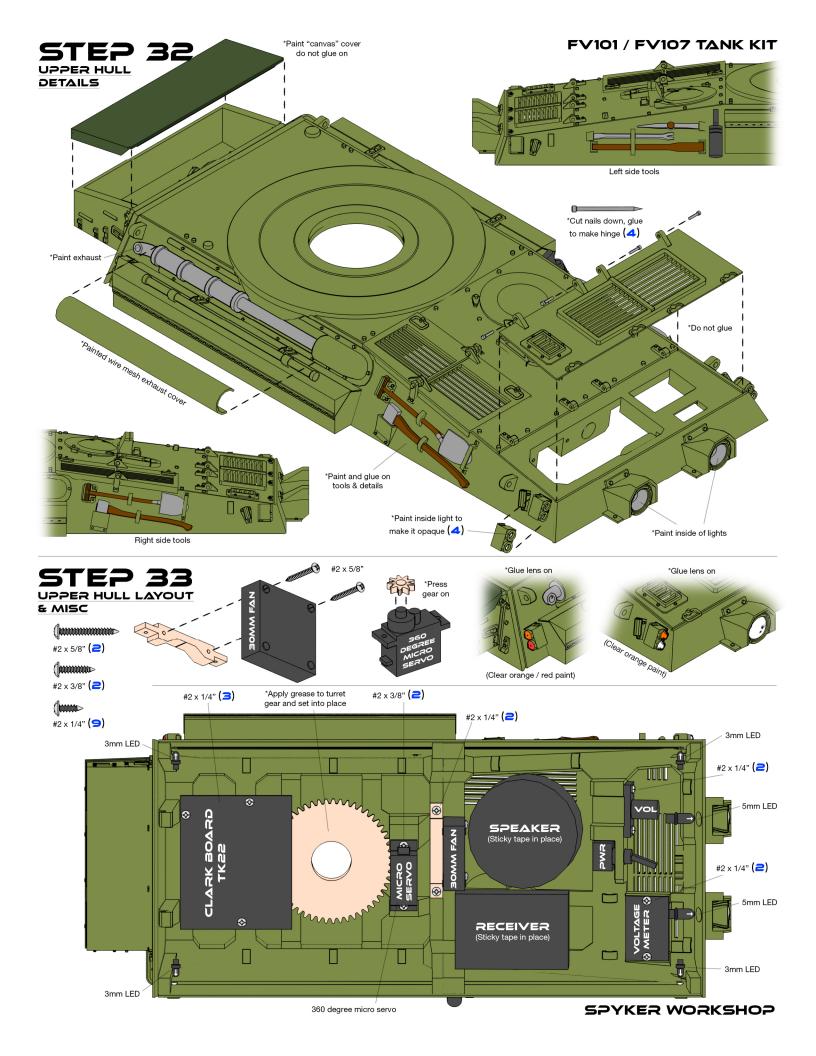
STEP 24+25

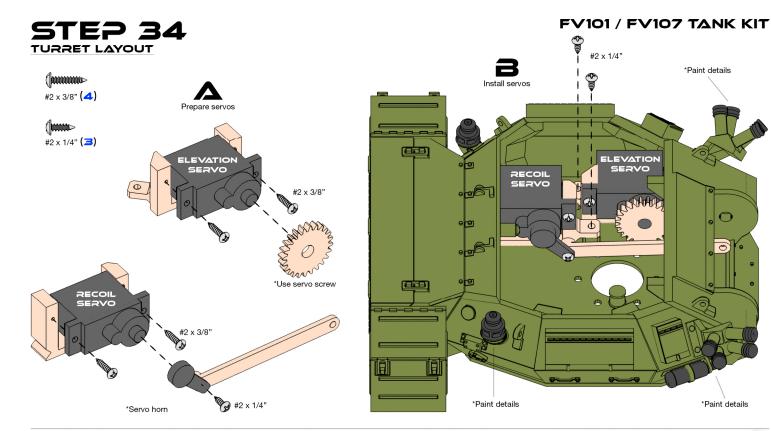








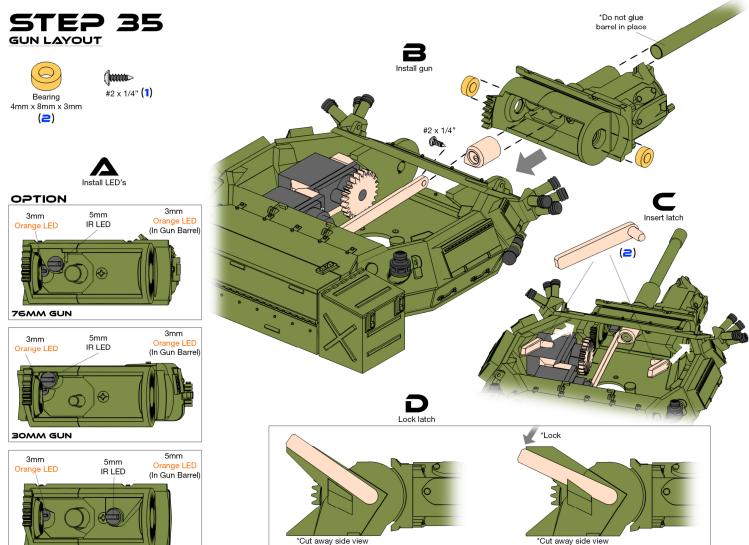




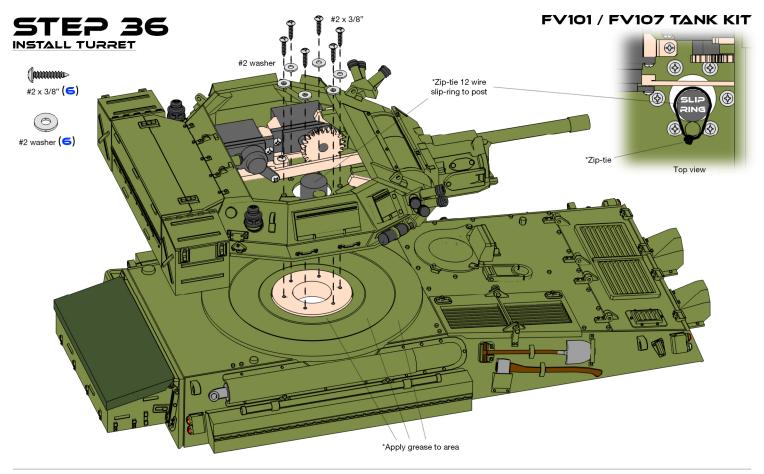
0

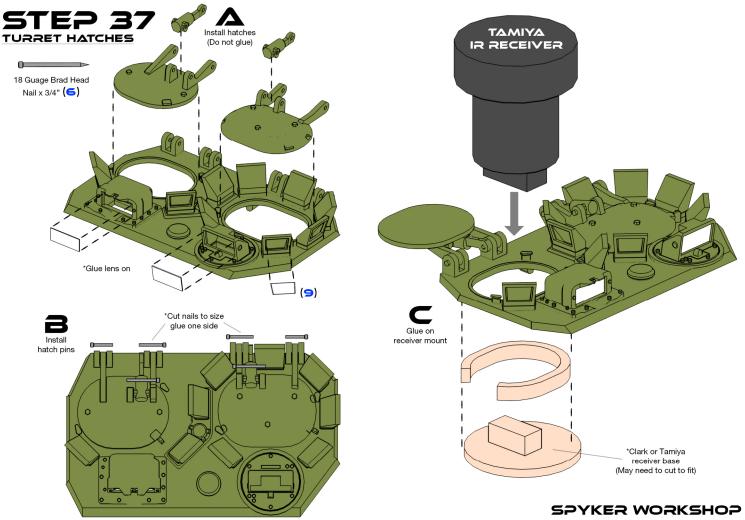
*Paint details

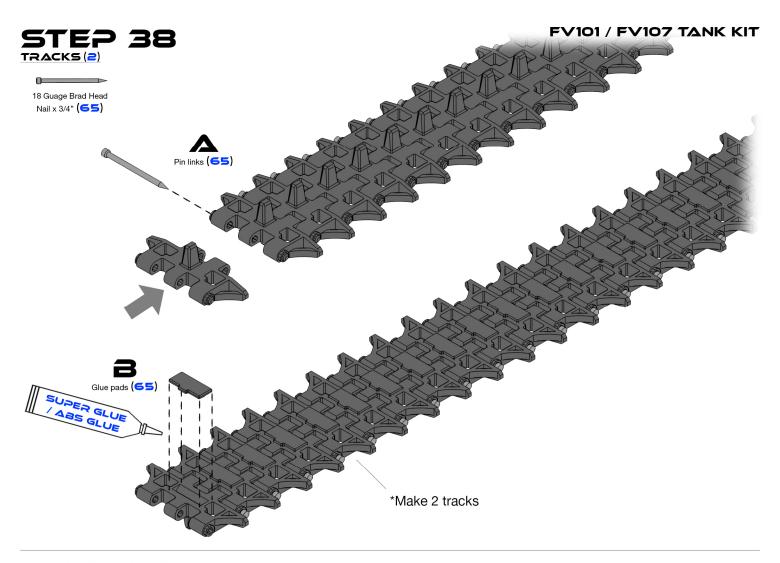
SPYKER WORKSHOP

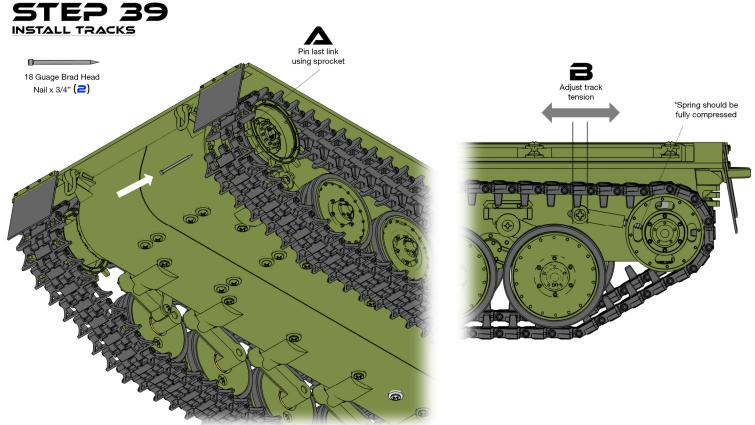


90MM GUN

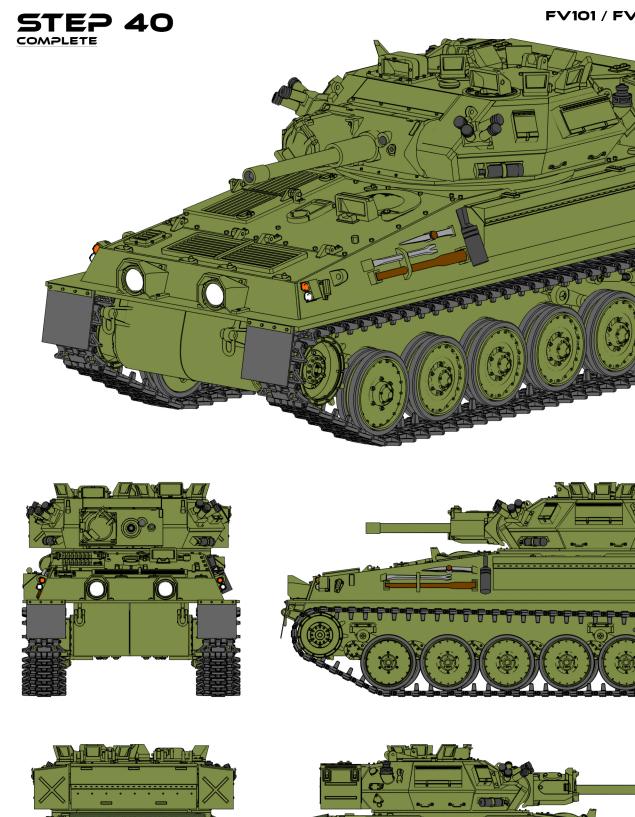


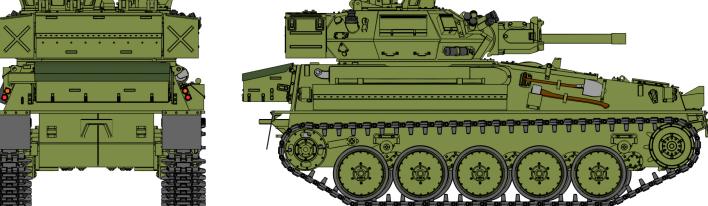






SPYKER WORKSHOP



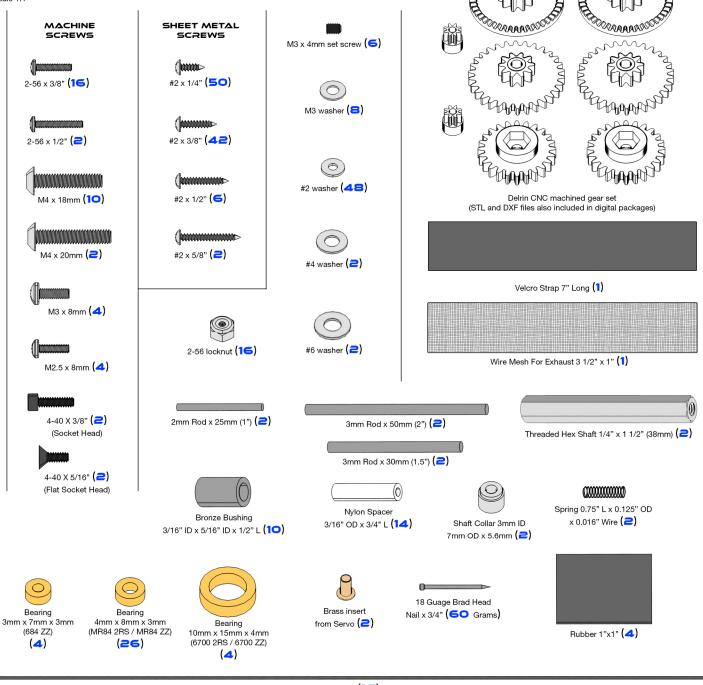


HARDWARE

FV101 / FV107 TANK KIT

List of hardware included in your tank kit.

Scale 1:1



0.033" Spring Wire (15)

