Forced Loader\_Turret Parts List

(1)Gear Bracket Assy

(1) gear bracket (3D Printed)

(1) 1/8" shaft x 1/2"LG

(1) 14 tooth MXL timing pulley MC# 1375K33

(1) loader motor Servo City Part# 638106

(1) azimuth motor worm

\*made from 3/8-16 nylon rod X 1/2" LG

drilled for concentric press fit on 3mm motor shaft (above)

(1) module 0.5 18 tooth injection molded spur gear QTC Part# DS0.5-18

\*3mm bore drilled for press fit on 1/8" shaft (above)

(2) 4-40 x 1/2" LG screw

(2) 4-40 x 3/4" LG screw

(2) 4-40 insert MC# 92395A112

(1) Lid\_revF Assy

(1) lid\_revF (3D Printed)

(2) 4-40 insert MC# 92395A112

(1) Linkage Bracket Assy

(1) linkage bracket-revA (3D Printed)

(2) 6-32 insert MC# 92395A113

(2) 4-40 insert MC# 92395A112

(4) Pulley Assys

(4) pulley bases (3D Printed)

(4) 1/4" dia x 1/4"shoulder height nylon shoulder screw MC# 93897A236

(4) shoulder spacer MC# 91145A165

\*trim spacer height to .244"

(8) No. 4 X 3/8" LG sheet metal screw

(1) Loader Assy\_Radial

(1) lid\_revF assy (above)

(1) upper housing\_radial\_revA (3D Printed)

(1) lower housing\_radial\_revC (3D Printed)

(1) rotating disK (3D Printed)

(1) shaft extension\_revD (3D Printed)

\*tap for 6-32 shaft set screw (not shown)

(1) loader motor Servo City Part# 638106

(1) pellet header tube, brass, 9/32" OD X 1/4" ID X 3/4" LG

(1) pellet tube spring MC# 9657K371

(1) spring hose clamp (not shown)

(3) No 6 sheet metal screw X 3/4" LG MC# 90935A151

(5) No 6 sheet metal screw X 1/2" LG MC# 90935A148

(1) Plex Baseplate Assy

(1) plex baseplate 3/16" thick (Laser Cut)

(9) 4-40 insert MC# 92395A112

(1) Laser Pointer Assy

(1) laser module and Lens cap (included) Aixiz Part# AH635-5-3-81

(1) laser pointer sleeve (3D Printed)

(1) Barrel Support Assy

(1) laser pointer assy (above)

(1) barrel support 8\_32 screw\_flat face\_revD (3D Printed)

\*tap 8-32 for barrel cap screw

(1) laser pointer bracket cover\_revA (3D Printed)

(1) 4-40 X 1/2" LG thumb screw MC# 91746A119

(1) 4-40 insert MC# 92395A112

(2) No 4 sheet metal screw X 1/2" LG MC# 90935A133

(1) 8-32 X 1/2" LG socket head cap screw MC# 91251A194

(1) breech block pellet loader\_rev6 assy

(1) breech block pellet loader\_rev 6 (3D Printed)

(4) 4-40 insert MC# 92395A112

(1) Microswitch Assy

(1) sub mini microswitch ServoCity Part# 605632

(1) microswitch block (3D Printed)

(2) No. 2 X 3/8" LG sheet metal screw MC# 90184A058

(1) Camera Bracket Assy

(1) camera bracket (3D Printed)

(1) camera side cover (TBD)

(1) camera bracket front cover (TBD)

(1) camera

(1) Gun Assy

(1) plex baseplate assy (above)

(1) breech block pellet loader\_rev6 assy (above)

(1) linkage bracket assy (above)

(1) barrel support assy (above)

(1) microswitch assy (above)

(1) camera bracket assy (above)

(1) pellet header tube, brass, 9/32" OD X 1/4" ID X 3/4" LG

(1) pellet tube spring MC# 9657K371

(2) UV led Electronic Goldmine Part# G17126

\* modified: machined to 1/4" OD

(1) barrel Madbull Tightbore Part# BRL-MB-601-229

(1) bucking Madbull 60 degree Shark Hop-up Part# BU-MB-HB-RED

(1) O ring for barrel 9/16” OD X 3/8” ID

(1) bucking clamp

\* made from 1/4-20 nylon hex nut and 4-40 set screw

(1) gun support angle\_left (3D Printed)

(1) gun support angle\_right (3D Printed)

(1) video transmitter

(1) gun control circuit card

(13) 4-40 X 3/8" LG screw

(2) 4-40 X 1/2" LG screw

(1) 4-40 X 1/4" LG screw

(1) Lid Assy

(1) gun assy (above)

(1) loader assy\_radial (above)

(1) elevation motor Servo City Part# 638106

(2) 6-32 X 3/4" LG screw

(2) 4-40 X 3/8" LG screw

(1) 10-32 X 2" LG nylon screw MC# 93135A421

\*drill press fit dia for 3mm motor shaft

(1) 10-32 X 1/2" LG nylon spacer MC# 92319A530

#drill slip fit for 4-40 screw

(4) Target Plate Assy

(4) target front plate (Laser Cut)

(4) target back plate (Laser Cut)

(16) target plate rubber tube surgical tubing 7/16" OD X 5/16" ID

(1) Main Assy

(1) lid assy (above)

(1) gear bracket assy (above)

(4) pulley assy (above)

(4) target plate assy (above)

(1) upper turret plate 1/8" thick (Laser Cut)

(1) 15 pin female sub\_d connector (or equivalent)

(1) 144 tooth MXL timing belt MC# 1679K631

(1) middle turret plate 1/8" thick (Laser Cut)

(1) lower turret plate 1/8" thick (Laser Cut)

(4) 6-32 X 1.25" LG standoff MC# 96110A630

(4) 6-32 X 0.75" LG standoff MC# 96110A590

(16) 6-32 X 3/8" LG screw (not shown)