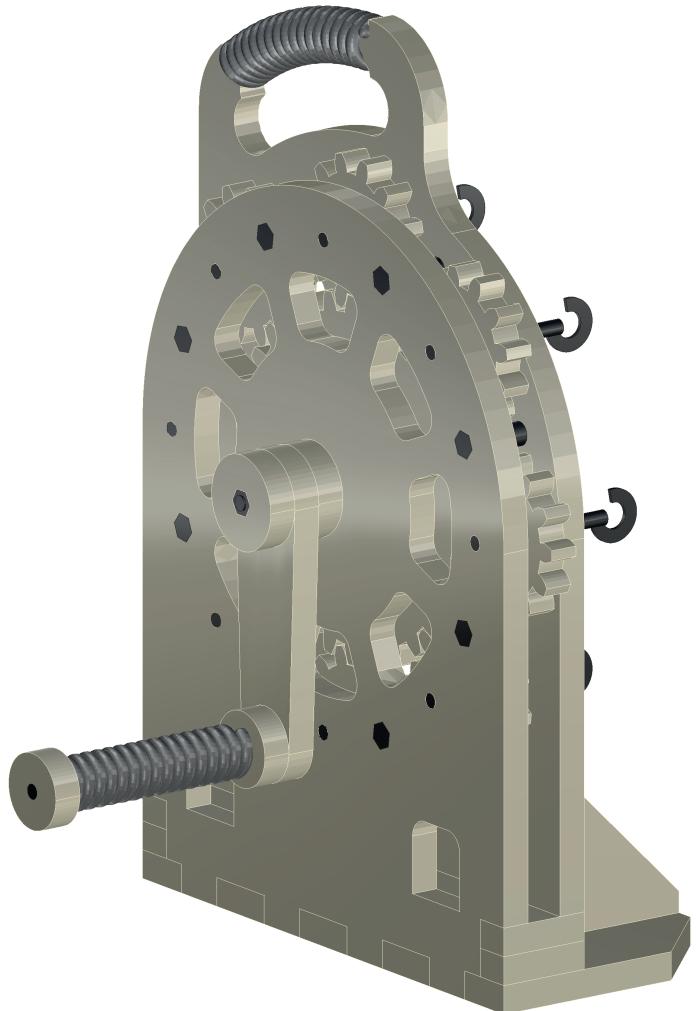
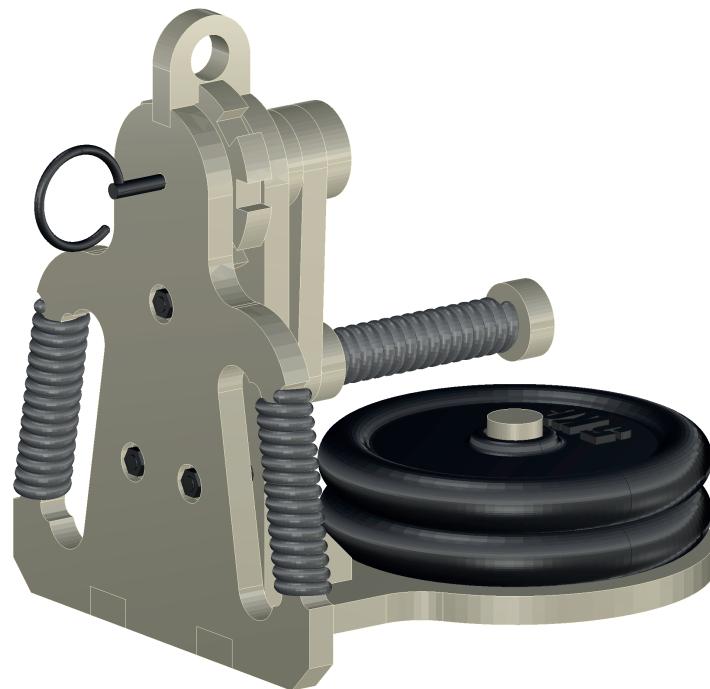


RMM - v1.3 - General View

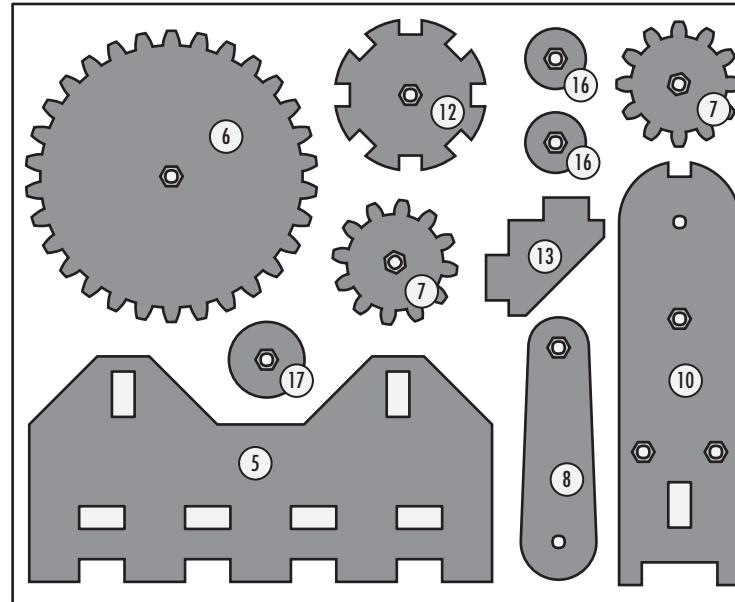
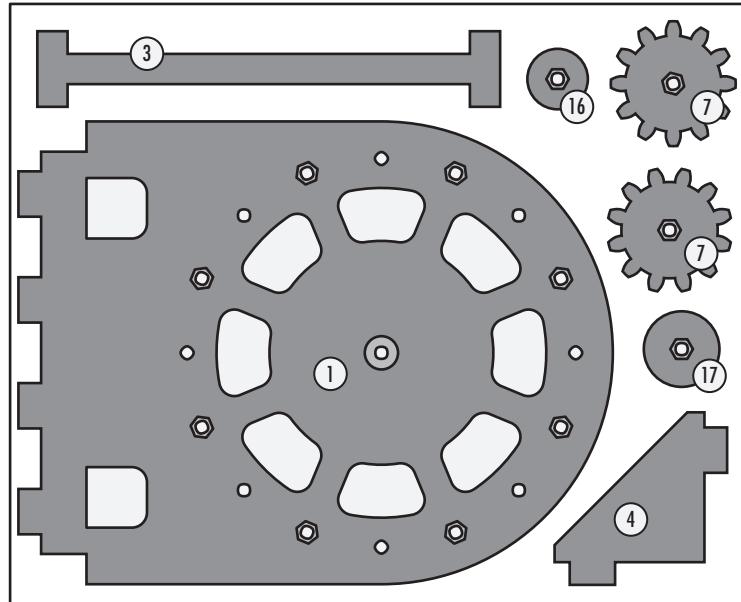
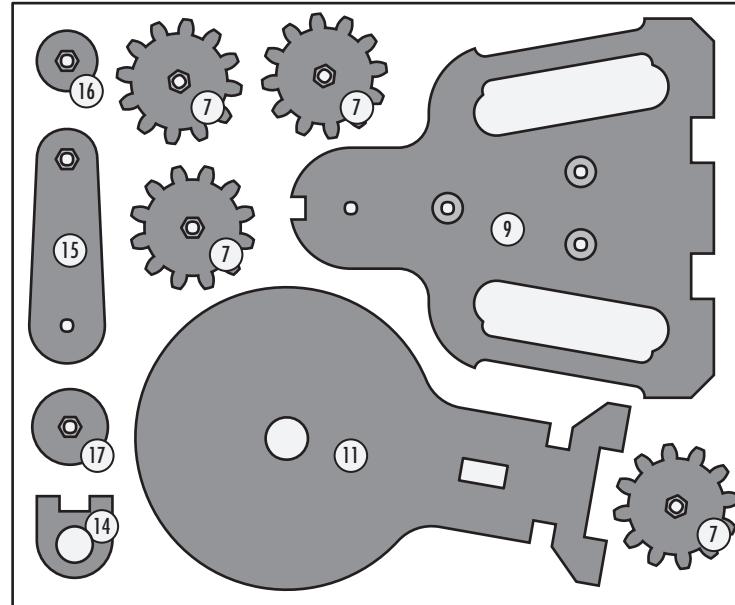
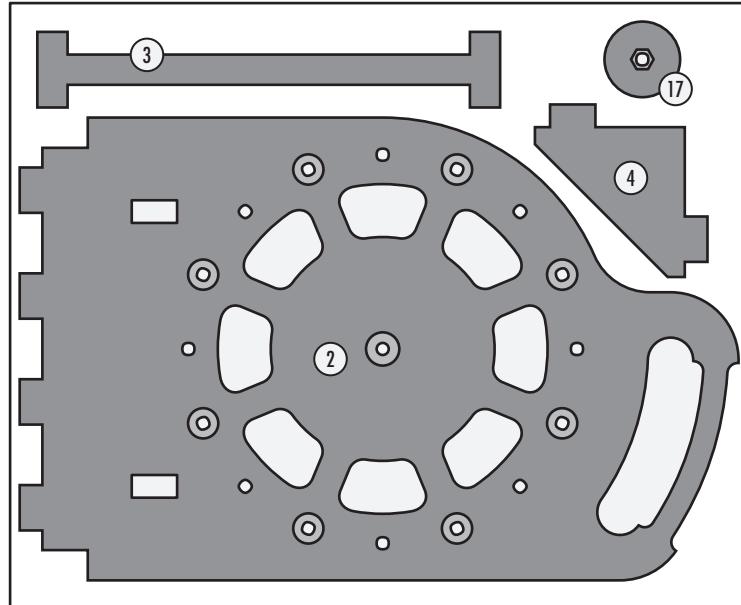


Gear Assembly (GA)



Mobile Jack (MJ)

RMM - v1.3 Wood Pieces Nomenclature



Gear Assembly (GA) plywood 15mm

- (1) GA front plate
- (2) GA back plate
- (3) GA spacer plates (x2)
- (4) GA brackets (x2)
- (5) GA baseplate
- (6) GA central gear
- (7) GA peripherical gears (x8)
- (8) GA cran-k lever

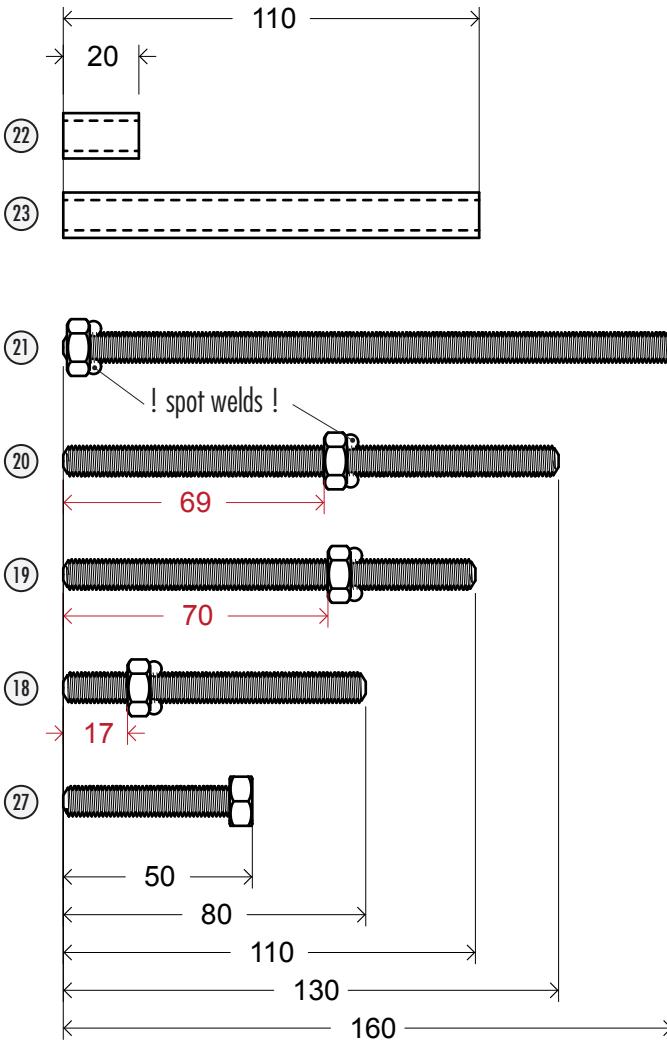
Mobile Jack (MJ) plywood 15mm

- (9) MJ front plate
- (10) MJ back plate
- (11) MJ baseplate
- (12) MJ locking gear
- (13) MJ bracket
- (14) MJ locking key
- (15) MJ crank lever

Crank plywood 15mm

- (16) handle locking washer (x4)
- (17) axle locking washer (x4)

RMM - v1.3 Steel Pieces Nomenclature



Threaded rods (M8)

- (18) GA peripheral gear axle (x8)
L = 80mm
- (19) GA central gear axle
L = 110mm
- (20) MJ crank axle
L = 130mm
- (21) crank axle (x2)
L = 160mm
- (27) hex bolts M8
L = 50mm

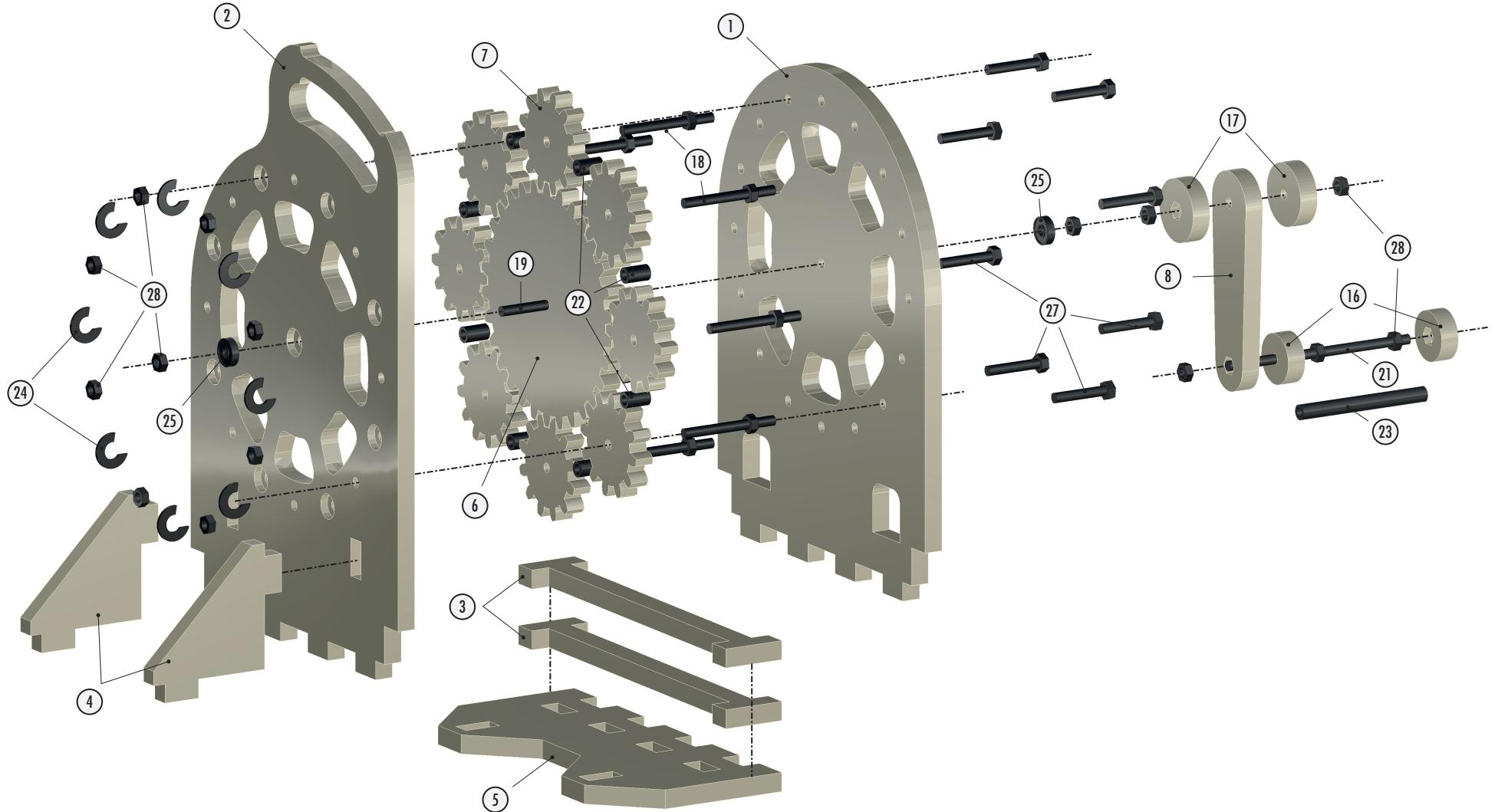
Steel tubes int. \varnothing =8mm - ext. \varnothing =10mm

- (22) structural spacers (x11)
L = 20mm
- (23) handle spacers (x2)
L = 111mm

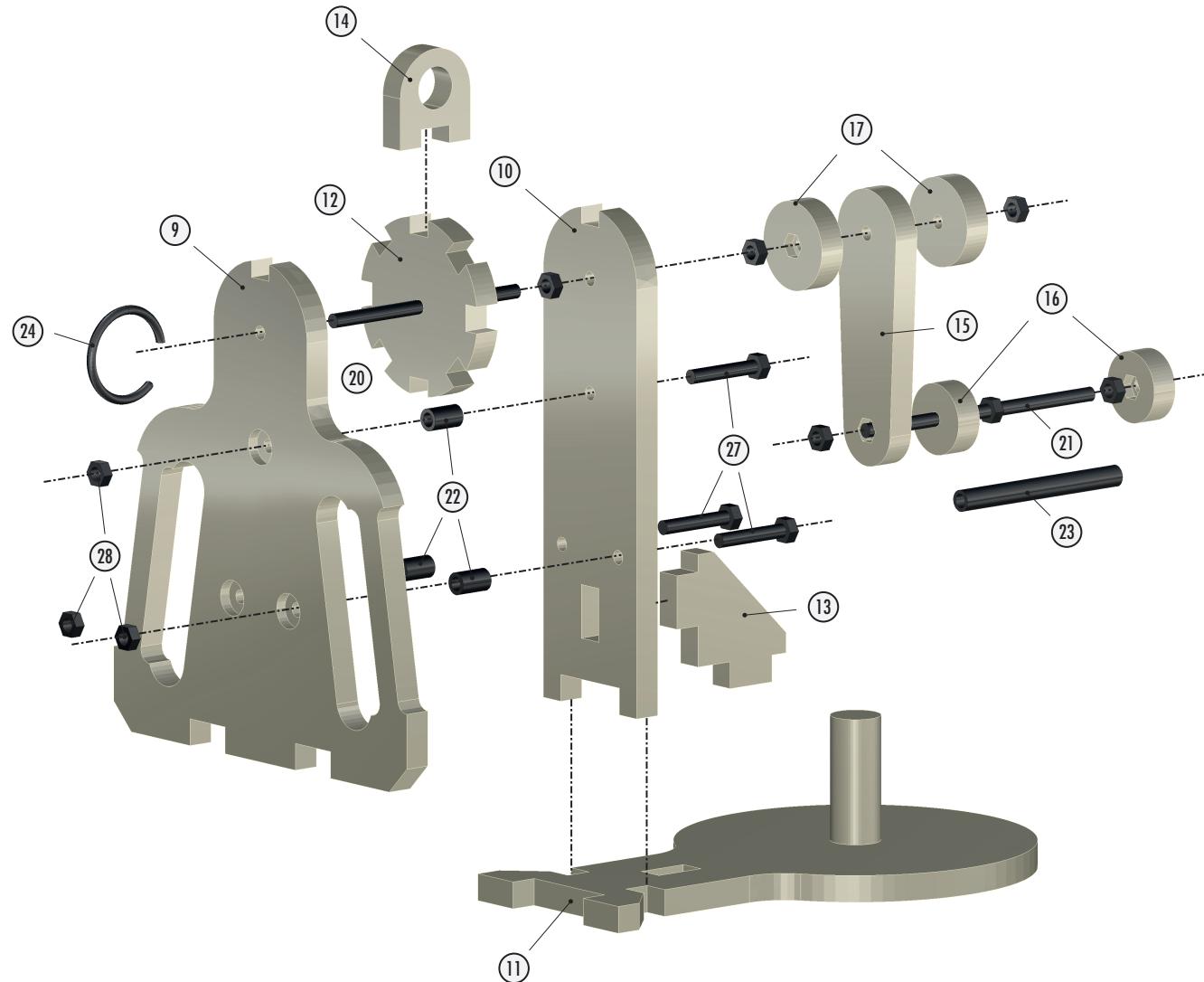
Misc. hardware

- (24) hooks (cutted washers) (x9)
int. \varnothing = 17mm - ext. \varnothing = 32mm -
thickness = 3mm
- (25) rollerskate ballbearings (x2)
int. \varnothing = 8mm - ext. \varnothing = 22mm -
thickness = 6 mm
- (26) washers (x20)
int. \varnothing = 8mm - ext. \varnothing = 26mm -
thickness = 1mm
- (28) hex nuts M8
ext = 13mm - thickness = 6mm

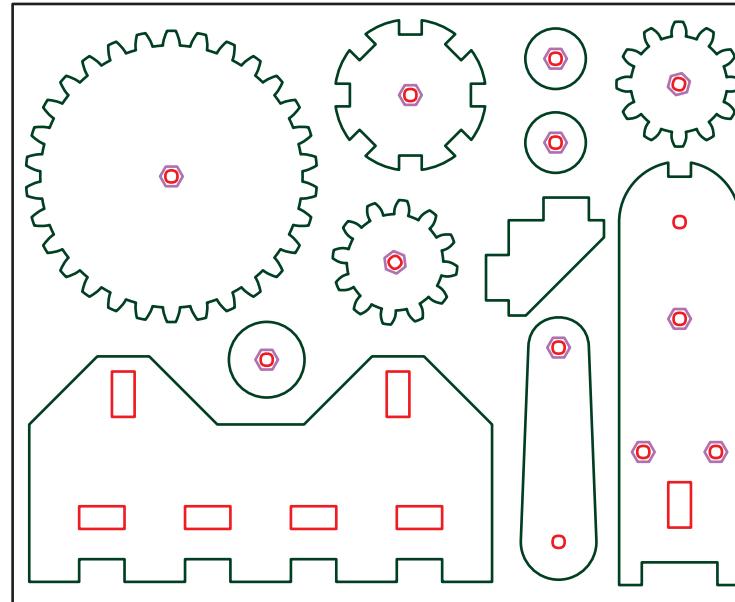
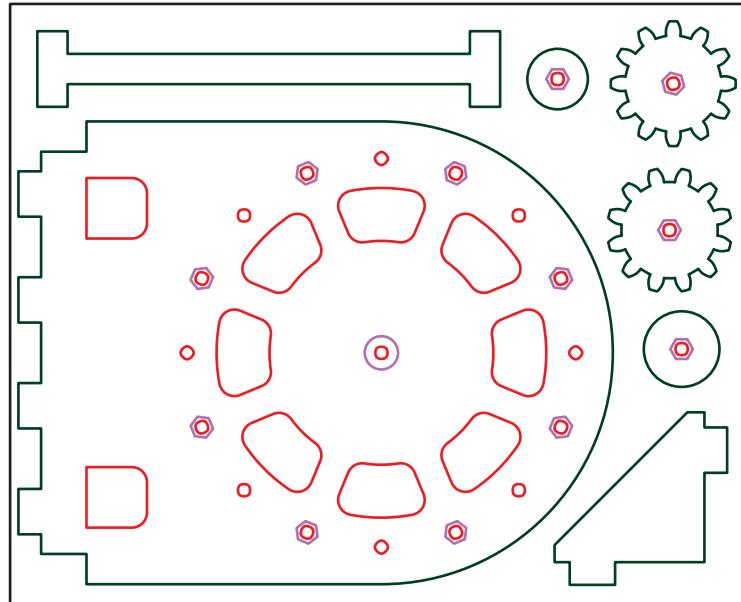
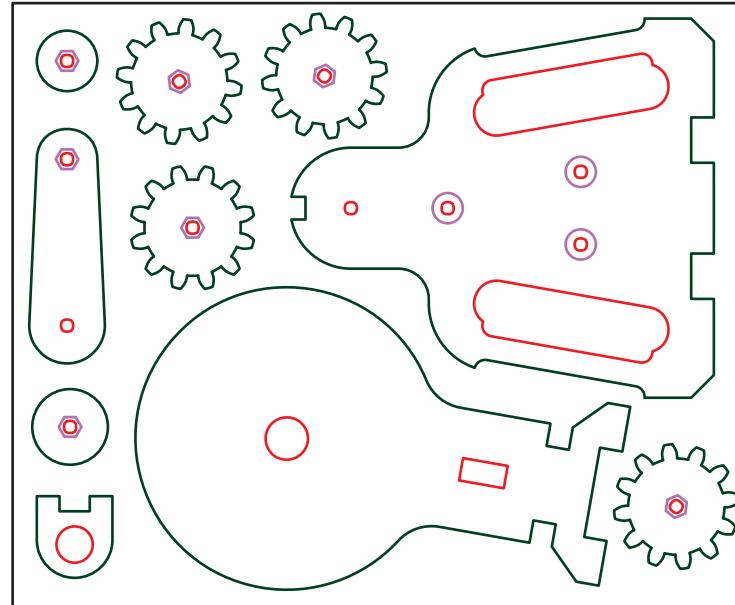
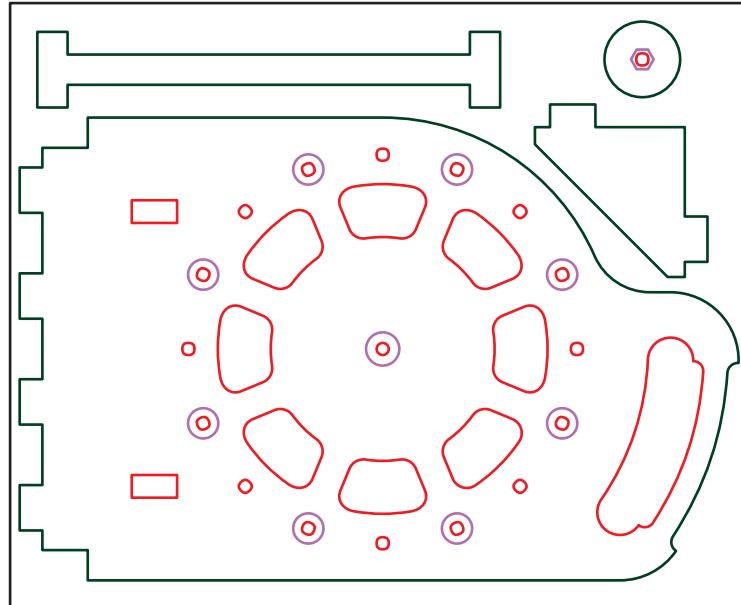
RMM - v1.3 Gear Assembly (GA) - Exploded view



RMM - v1.3 Mobile Jack (MJ) - Exploded view



RMM - v1.3 CNC Cutting Scheme



2½-axis engraving CNC routing
($\emptyset=3\text{mm}$ - 3 flutes bit)



exterior engraving



interior engraving



pocket (depth=6mm)