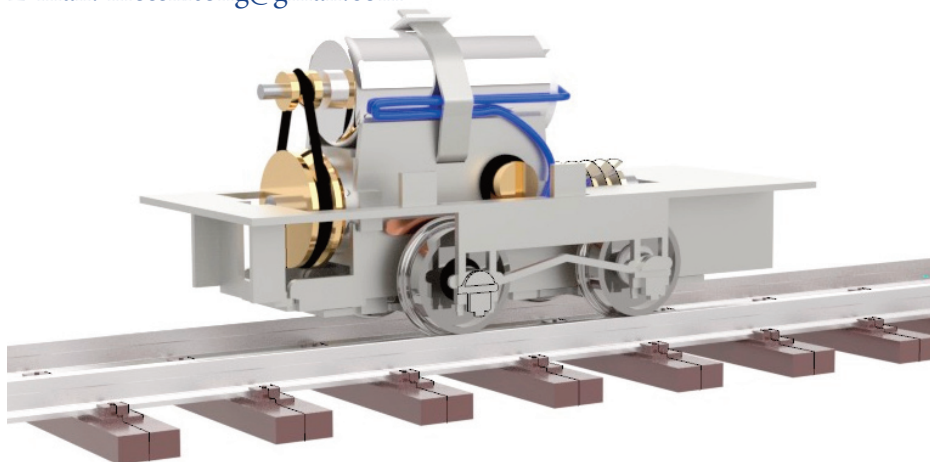


# MOSSKITO MODELS

6 CLEAVERS CLOSE SISSINGHURST KENT TN17 2JX

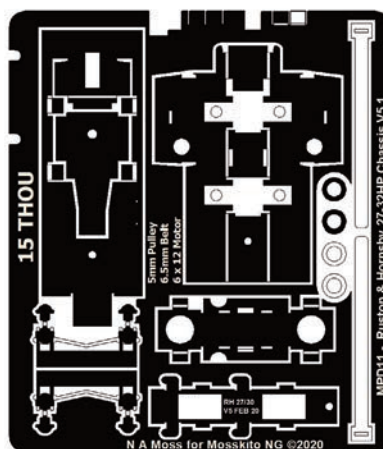
E-mail: [mosskitong@gmail.com](mailto:mosskitong@gmail.com)



## MPD11 009 Chassis with 11.7mm Wheelbase

### Parts List:

|                                 |       |
|---------------------------------|-------|
| MPD11 V5.1 etch                 | 1 No. |
| Phosphor Bronze Pickup Etch     | 1 No. |
| 5.6mm GDNGRS insulated wheelset | 2 No. |
| Tenshodo 15:1 worm & gear set   | 2 No. |
| 1.5mm dia. Layshaft 30mm long   | 1 No. |
| Mosskito NG Horn block bearing  | 4 No. |
| Roller bearing SF681XZZ         | 2 No. |
| 12BA Nut and Bolt               | 1 No. |
| Nigel Lawton 6 x 12 Mini Motor  | 1 No. |
| Nigel Lawton 5mm pulley         | 1 No. |
| Nigel Lawton 1.1mm pulley       | 1 No. |
| Nigel Lawton 6.5mm dia. Belt    | 1 No. |
| 1.5mm ID Plastic Bush           | 1 No. |
| 12BA x 1/8" Brass Bolt          | 1 No. |



### Sundries:

Threadlock (Anaerobic adhesive)

## Instructions:

- 1) Test fit the hornblocks in the chassis etch. They are a deliberate tight fit and making a tool from 2mm tube/rod and scrap etch such as that in Fig 1 would help.



Figure 1 – Hornblock fitting tool

- 2) Fold up the layshaft cradle and then assemble the layshaft. Using the guide on the etch to align the bearing, worms and 5mm pulley. It is best to assemble the rear worm then add a bearing followed by the second worm. Fix these using threadlock or CA sparingly applied using a cocktail stick or pin. Next insert the layshaft into the cradle and add the remaining bearing so that it just engages with the cradle. Do not push it home.

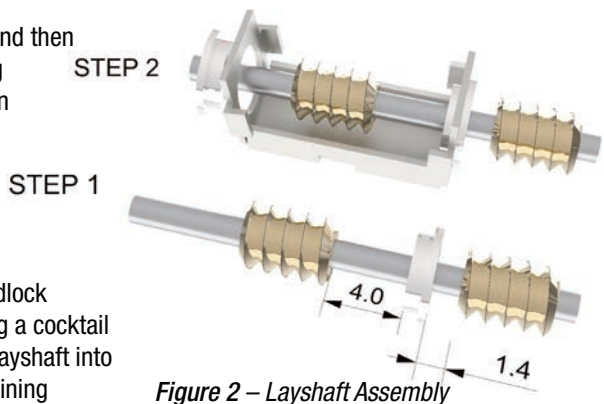


Figure 2 – Layshaft Assembly

- 3) Assemble the wheel sets using 2 hornblock bearings, half etch washer and tenshodo gear. The wheelsets have a shouldered axle that sets the back to back at the correct 7.8mm for the narrow tyres of the wheels. The washer should be between the uninsulated wheel and hornblock.

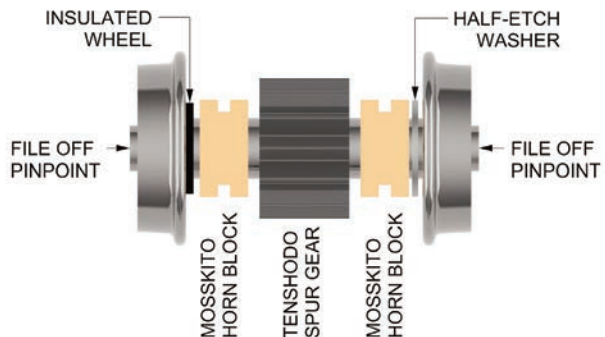
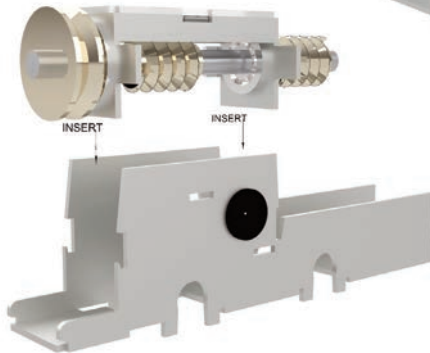


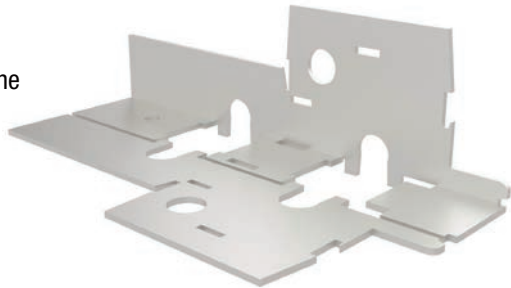
Figure 3 – GDNGRS 6.2mm Wheelset

- 4) Fold up the chassis ensuring that the sides are perpendicular. (Fig 4)



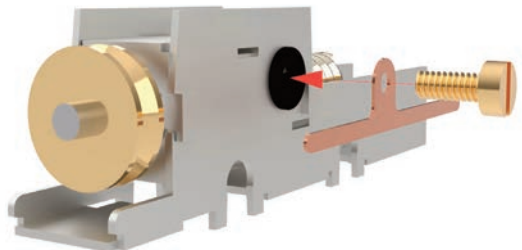
*Figure 5 – Clipping the layshaft in.*

- 6) Clip the layshaft bracket into place and fold back tabs. (Fig 5)
- 7) Remove the half etched pickup from the etch and attach to the chassis inserting the 12BA x 1/8" bolt through the pickup and into the plastic bush. Fig 6



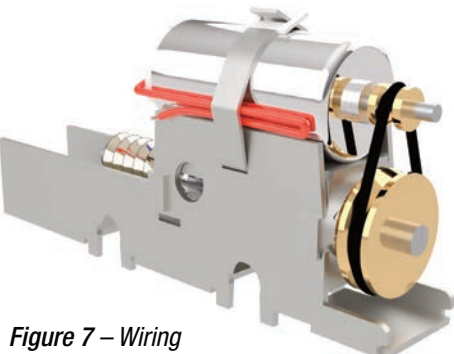
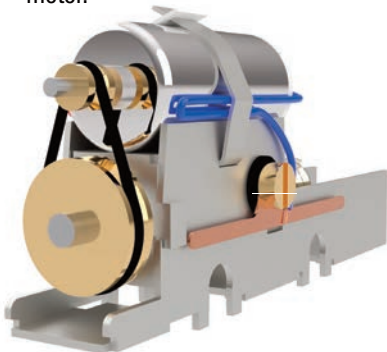
*Figure 4 – Folding the Chassis*

- 5) Insert the plastic bush into the left hand hole on the chassis. This is a tight fit.



*Figure 6 – Pickup installation*

- 8) Fix the 1.1mm pulley onto the 6 x 12 motor.

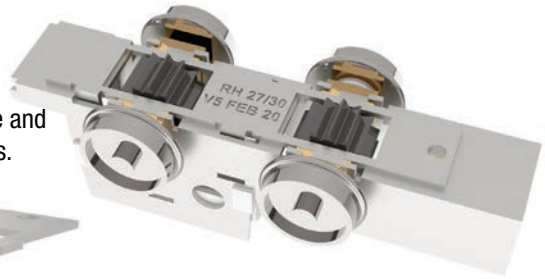


*Figure 7 – Wiring*

- 9) Assemble the motor onto the chassis using the strap to hold the motor in place. Ensure that the strap is tight. Solder the blue/black wire to the pickup assembly. If a resistor is to be added solder one end of the resistor to the chassis and then solder the red wire to the other end. Take care to ensure that they pass through the chassis carrier. The motor should not be run at full throttle without a resistor.

10) Insert the wheel sets.

11) Fold up the lugs on the keeper plate and clip in place on underside of chassis.



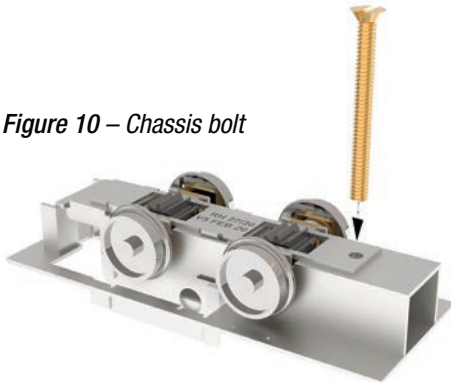
*Figure 8 – Keeper Plate*

12) Fold up the front chassis support. Solder the 10BA nut to the selected chassis carrier.



*Figure 9– Front chassis support and carrier 10BA nuts*

*Figure 10 – Chassis bolt*



13) Insert the 10BA bolt through the keeper plate and screw into the nut on the chassis plate.

14) Glue the chassis plate into the body.

