

Meridian Models

MPD18 - 18mm Wheel base Chassis with 5.6mm wheelsets

Parts List:

MPD18 V3.1 Etch

NWSL 5.6mm wheelset
2 No.

Tenshodo 15:1 worm & gear set
2 No.

1.5mm dia. Layshaft 30mm long
1 No.

Alan Gibson 1.5mm top hat bearing 4 No.

Roller bearing SF681X
2 No.

10BA Nut and Bolt 1 No.

Nigel Lawton 8 x 16 Midi Motor 1 No.

Nigel Lawton 5mm pulley 1 No.

Nigel Lawton 1.2mm pulley 1 No.

Nigel Lawton 7.5mm dia. Belt 1 No.

Nigel Lawton 1.5mm to 2mm adaptor 2 No.

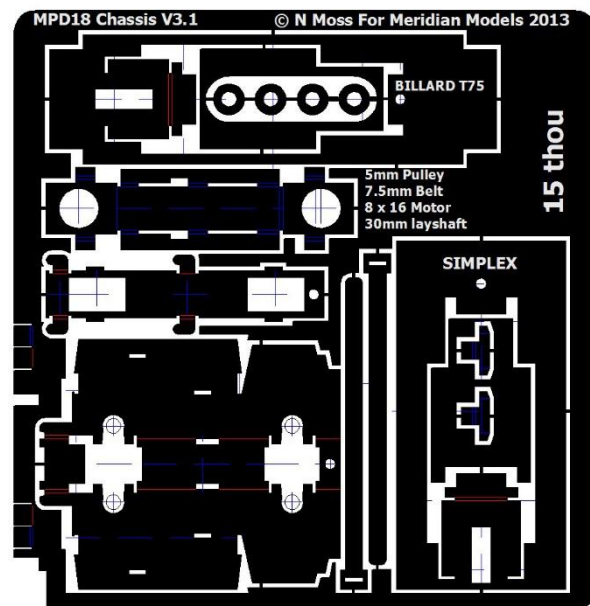
Small piece of copper clad board for pickup

Length of phosphor bronze strip pickup

150 ohm resistor

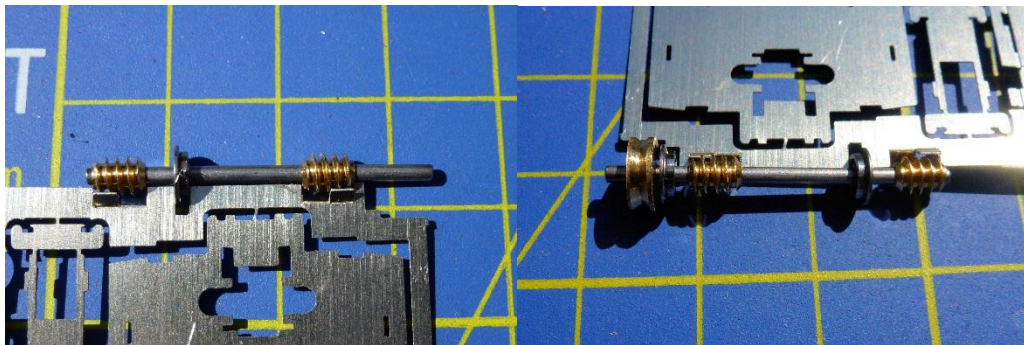
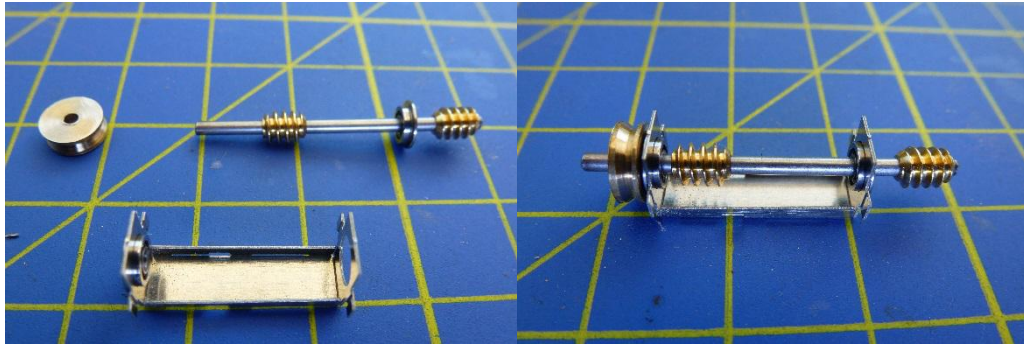
Sundries:

Threadlock (Anaerobic adhesive)

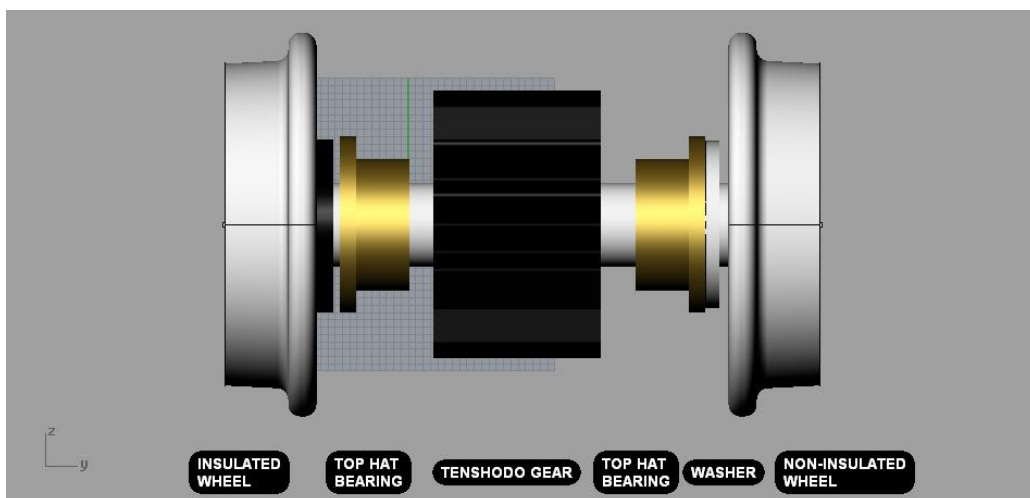


Instructions:

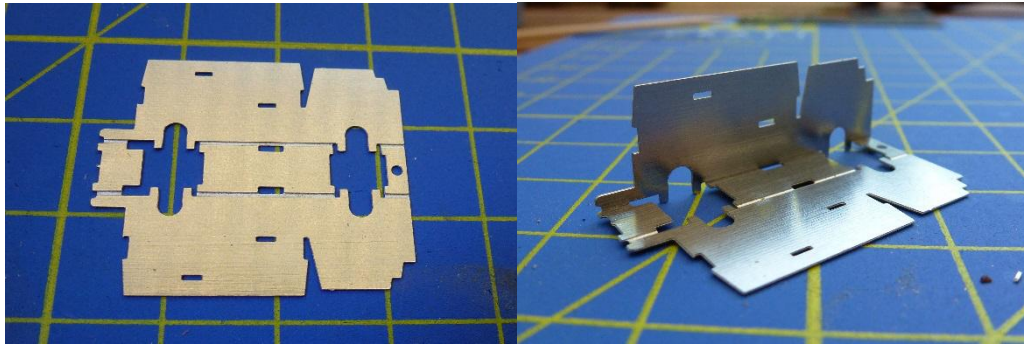
- 1) Fold up the layshaft bracket and then assemble the layshaft. Using the guide on the etch to align the bearings, worms and 5mm pulley. Fix these using threadlock or CA sparingly applied using a cocktail stick or pin.



- 2) Assemble the wheel sets using 1.5mm top hat bearings, 1.5 to 2mm shaft adaptor and tenshodo gear. Insert one NS washer between the non-insulated wheel and the brass bearing. File or grind off the pinpoint axle ends.

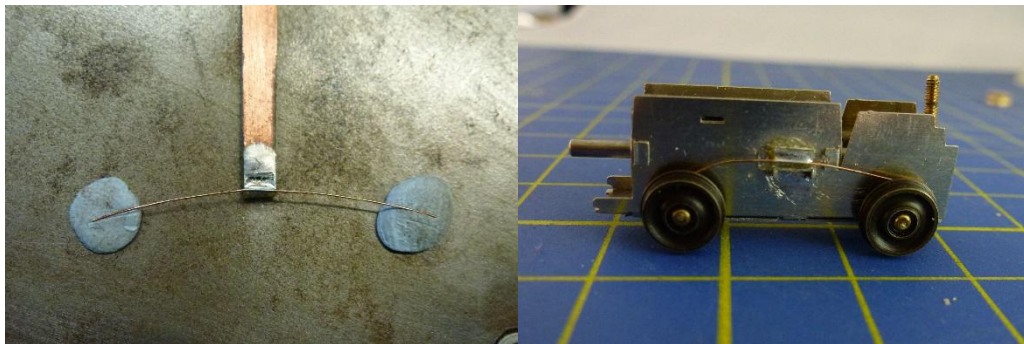


- 3) Fold up the chassis



4) Clip the layshaft bracket into place and fold back tabs.

5) Assemble the pickups from copper clad board and phosphor bronze wire on the left hand side of the chassis.



6)
Fix
the

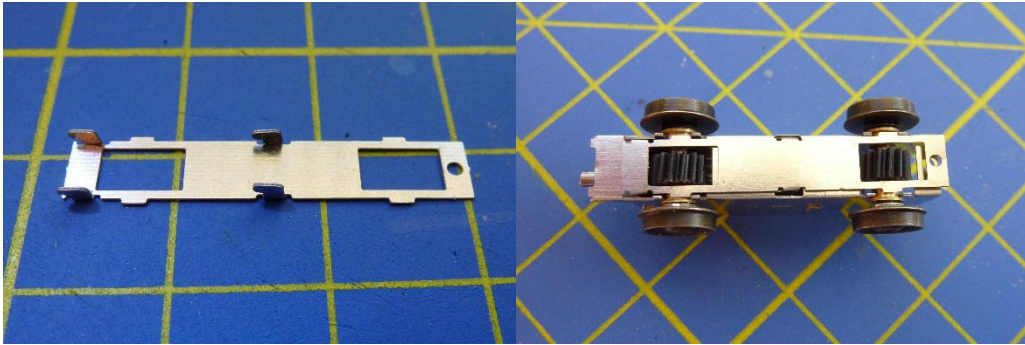
1.2mm pulley onto the 8 x 16 motor.

7) Assemble the motor onto the chassis using the strap to hold the motor in place. Ensure that the strap is tight. 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. Solder the black wire to the pickup assembly.

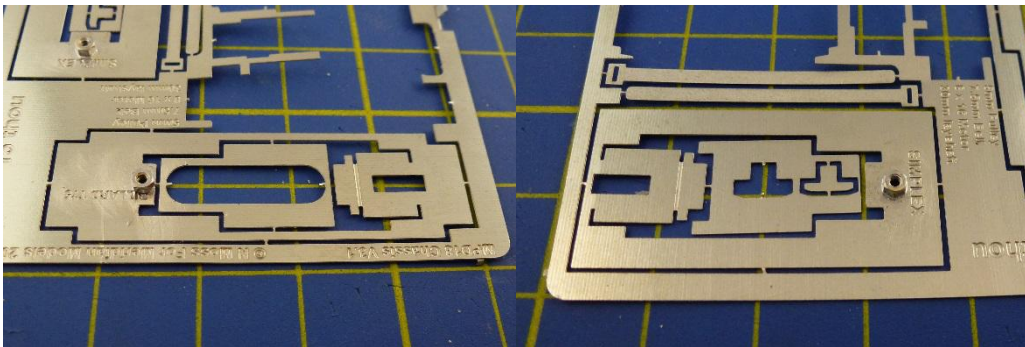


8) Insert the wheel sets.

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



10) Solder the 10 BA nut to the selected chassis insert.



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

12) Glue the carrier into the body.

