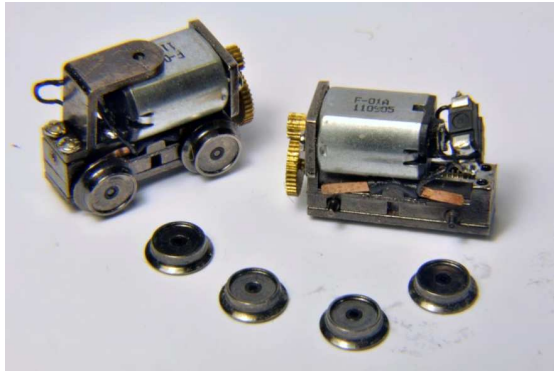
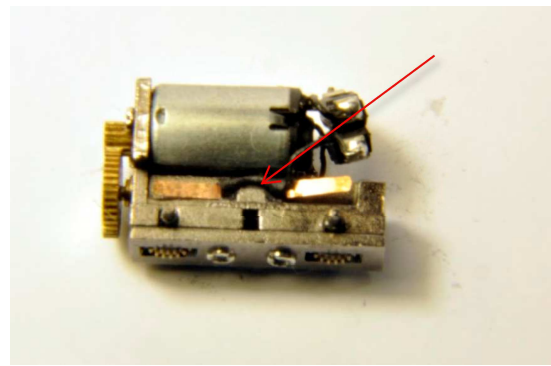


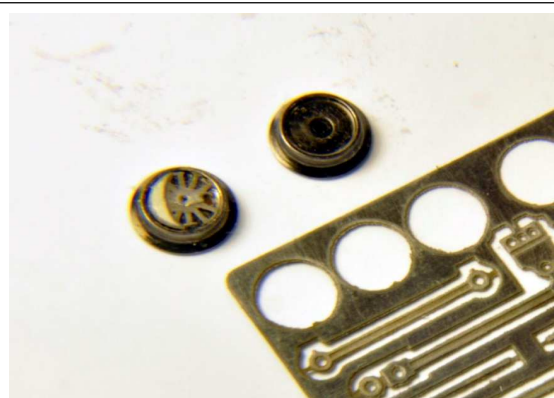
DRAFT INSTRUCTIONS FOR 0-4-0 CHASSIS PREPARATION



(1) Remove top pivot bracket & save screws; pull wheels from the ends of the axles



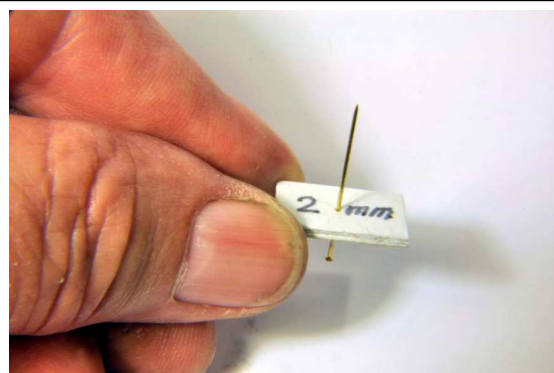
(2) Apply drop of CA to wiper insulating bushing to fix in place



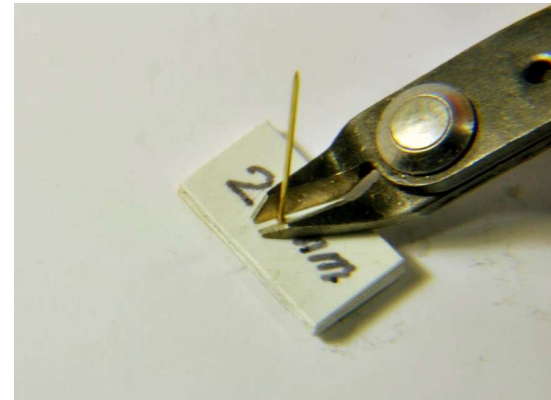
(3) Cut driver center from etching fret (do not worry if thin outer strip between spokes is missing in spots from etching – its absence will not be noticed); glue driver center etch in driver using SMALL drop of ACC glue.



(4) Drill with No. 76 (.5mm) drill. WORK SLOWLY – the hole intersects the stepped recess for the insulating bushing – if you are too aggressive, you will break the drill bit off in the hole, and then you are screwed!.

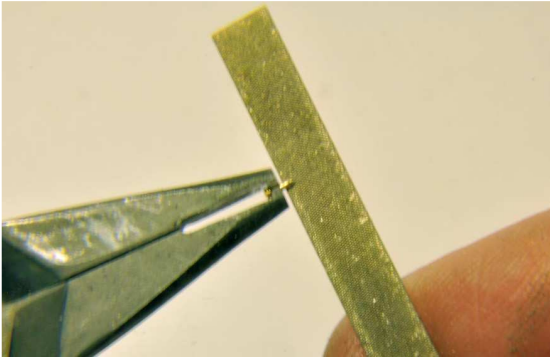


(5) Cranks pins are to be made from brass pins (supplied.) It is suggested a jig be made from laminated styrene as shown.

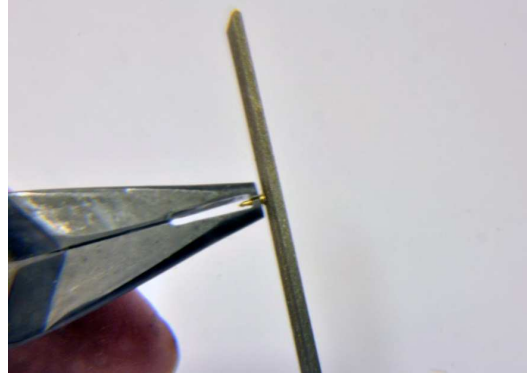


(6) Place pins in jig, set jig on flat surface, and cut 2mm long crank pins.

DRAFT INSTRUCTIONS FOR 0-4-0 CHASSIS PREPARATION



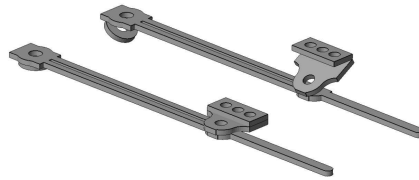
(7) File end of crank pin into point.



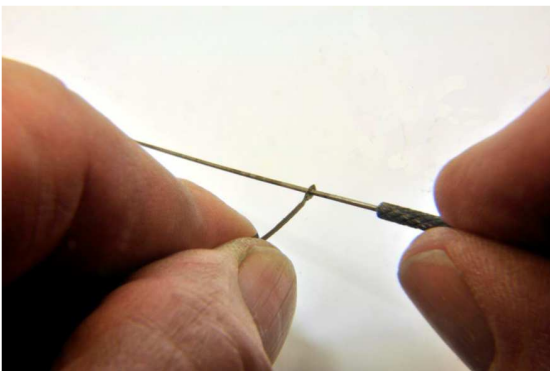
(8) File face of pin flat.



(9) Finished crank pin



(10) Cut main and side rods from etching fret; fold main rod as shown above, and secure with CA adhesive.



(11) Ream crank pin hole in main rod as required.



(12) Press crank pin into hole in driver through hole in etched rod.



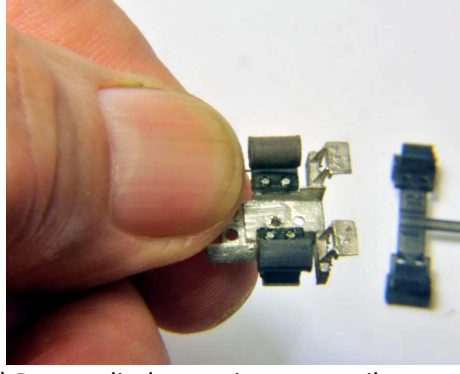
(13) Complete insertion of crank pin by squeezing assembly in jaws of vice; do NOT press in too far and cause rods to bind.



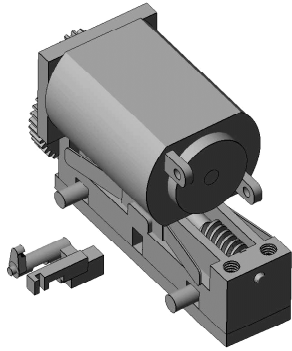
(14) Crank pins pressed into drivers through side rod and main rod; there should be a little slop in the assembly.



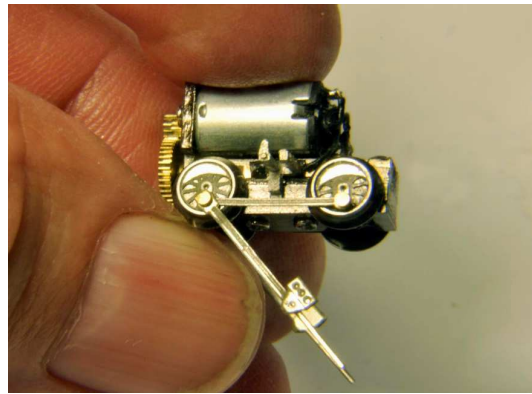
(15) Rods and driver subassemblies; note slight offset bent into main rod to assure clearing crank pin in front axle.



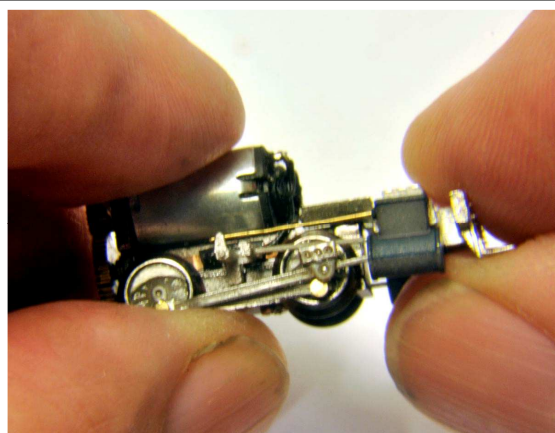
(16) Press cylinder castings onto pilot casting; DO NOT FORCE – if too tight a fit, ream holes in cylinders.



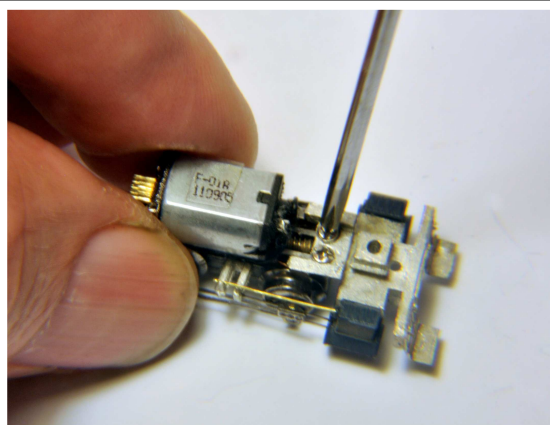
(17) Press crosshead guide supports into chassis holes each side; apply SMALL drop of ACC to edge of hole to fix in place.



(18) Press drivers onto ends of axles orienting each wheel to match crankpin location; offset opposite side by 90°.



(19) slide piston rods into holes in cylinders as pilot is fitted to front of chassis. (Note: add etched crosshead guide and wire valve rod after step 20 at right.)



(20); fix front pilot in place with screws; cut length of wire and slip into valve rod hole on cylinder casting and glue in place at aft end; slip etched crosshead guide into slots and glue in place at aft end only.