



We are all familiar with the standard tools and materials.

- Screw Drivers, Hammers, Clamps, Drills
- Glues, Paints, Solvents
- Styrene, wood, cardboard, brass, resin
- Alcohol, Acetone, MEK

But, . . The questions, sometimes,

- How did you do that
- What did you use
- What is the name of that



I will show you some stuff of which you may not be aware . . .



Chemicals, Lubricants, Glues

BESTINE



- Replaced carbon tetrachloride no liver damage
- Dissolves carbon crud on wheels, armatures, motor brushes, wheels, pickups
- Thins rubbery compounds.
 Makes rubber-based dried gunk into gooey gunk. Then rub off.





Extreme Power Cyanoacrylate De-Bonder

- Does what its name says
- Great for CA bonded shaft-in-hole type connection
- Works on fingers too
- Even opens 5 year joints
- Careful around armatures and magnet wire. This stuff will strip the
 varnish and short everything



OOPS EXTREME REMOVER



- Paints acrylics, enamels, lacquers, Tamya
- Markers, inks, track stains, color pens
- Gooey tars, rubbery residue
- Careful use on wheels,
 drivers will take off paint.
- Only sold to adults in Alabama – huffers beware – very toxic



LIQUID TAPE



- Just like Scotch 33+ Black Electrical Tape except IT IS A LIQUID
- Vulcanizes in air at room temperature – don't leave uncapped
- Thin out with MEK ventilate
- Use small amount, then spread



Don't touch for 1 hour

BARE CONDUCTOR Electric Paint





- Carbon-filled latex, water soluble, remains flexible
- Can be used to assure electrical conductivity between dissimilar metals that cannot be soldered, i.e., stainless steel and copper/brass
- Great for rejuvenating press buttons on remote

CRAFTER'S PICK



- Pretty good Super Glue but not CA
- Water soluble thinning or removing
- Goes on white dries clear
- Works very well as a Contact Cement

Thin-coat each surface - wait till just dry, layer together

- Stays flexible
- Great choice for dissimilar

materials





ALEENE'S TACKY GLUE

 You know that sticky glue on flyers you get in the mail? You can roll it up into a stretchy blob?

This is it.

- Useful when you have to place structures or plant trees.
- Sticks very well but you can pull it apart –
 just like your mail.
- Only use as much as you need. Thins with
 small amounts of water



CANOPY GLUE



- Goes on White dries Clear
- Used to attach Acrylic (hard) airplane model canopies to Polystyrene (flexible medium)
- Will not fog acetate or vinyl
- Use for dissimilar plastics. Not so much for same plastics



BULLFROG SNOT



- Answer to traction problems
- Apply to driven wheels
- NON-CONDUCTIVE
- You must choose which wheels carefully – depends on where power pickup takes place.



Replaces "traction tires"



LPS-1

- Greaseless Lubricant
- Insulator under no pressure
- Conductor under normal pressure
- Good for (clean) track
 Non-arcing so no carbon gunk
- Only conducts directly under wheel
 not as it pulls away
- Excellent for dressing commutators
- Excellent for power pickups
- Let dry (15-20 min)



LABELLE 106 GREASE





- Not migratory stays in place
- Wheel hubs, axles
- Bearings, bushings
- Sliding surfaces mechanical
- Coupler boxes VERY LITTLE
- Universal joints





- Slow migratory, no volatiles
- Gears, gear cases
- Pinions, spurs, worms
- Drive towers

0-rings, gasket rings







- Migratory, no volatiles
- Coupler Knuckles
- Valve Gear (on steam)
- Non-electrical moving parts





EQUIPMENT

DUPONT Connector Set



- Male and female pin sets
- You can mix and match male/female pins in the same connector pair (for proper order)
- Singles and multiples up to 6-gang
- OR, make your own by ganging shells on a flat piece of float glass with styrene cement



Parallel Jaw Pliers



- Great for flattening wavy stuff
- Heat jaws in (boiling?) hot water for shaping plastics
- Press-lock connectors
- Various jaw covers for embossing and texturing
- It's the parallel movement that's important – acting like a press





Reduced Thickness Slip Joint Pliers

 You know those connectors and things you just can't get a grip on because the pliers are too thick??

Get these



3 4 5 6 7 8 9 30 1 2 3 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 50 1 2 3 4 5 6 7 8 9 50 1



Parallel Jaw Clamps (Starrett Clamps)



- Most clamps have a pivot not really parallel. Clothes pins, spring clamps, Irvin clamps
- These will assure keeping pieces parallel and normal.
 Arms are machined square.

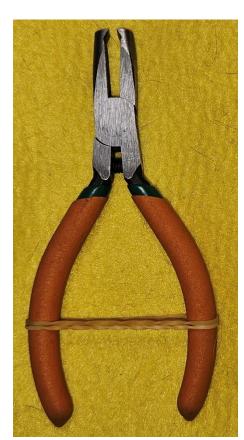
Long Nose End Nipping Cutters



 We all know end nippers.



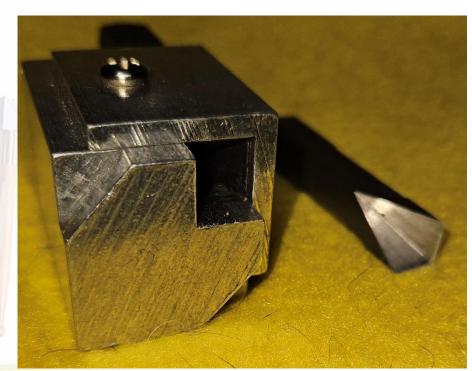
- These have a long nose to get into those hard to reach places.
- Works well as sprue cutter



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CORNER CHISELS



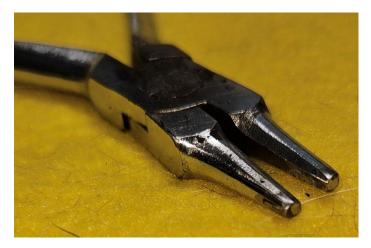


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PLIERS



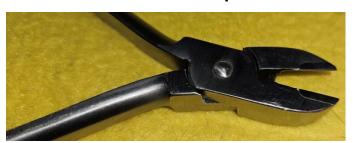
Mini Channel Locks



Chaining Pliers



Mini Vise Grips



Hard Wire Cutters



Trip Pin Pliers

Special Forceps and Tweezers



Decal Forceps



Pearl Forceps



Needle Tweezers



BALL TIP EMBOSSERS





- Nail holes
- Grooves, corrugated siding, texturing
- Carving stone work, brick work

KAYDEE SPRING TOOL









MINI GEAR PULLER



SPRING CENTER PRICK PUNCH





CENTER BUBBLE LEVEL & INCLINOMETER







REFILLABLE AIR BOTTLE





Schrader Valve like your vehicle tires.

Fill to 100-120 psi

3 4 5 6 7 8 9 30 1 2 3 4 5 6 7 8 9 40 1 2 3 4 5 6 7 8 9 5



KAPTON TAPE



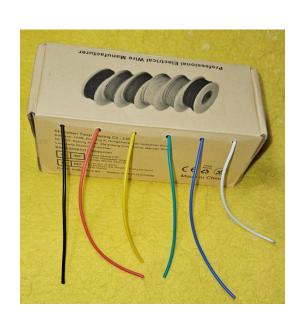


- Electrically insulating tape
- This particular one is 7.7Kv/mill dielectric strength
- Alternate name Polyamide tape

WIRING



- Super flexible silicone insulated
- 20 AWG = 32 strands each tinned
- 600V Dielectric Strength
- Insulation 500Œ will not shrink back while soldering
- 20, 22, 24, 30 AWG available



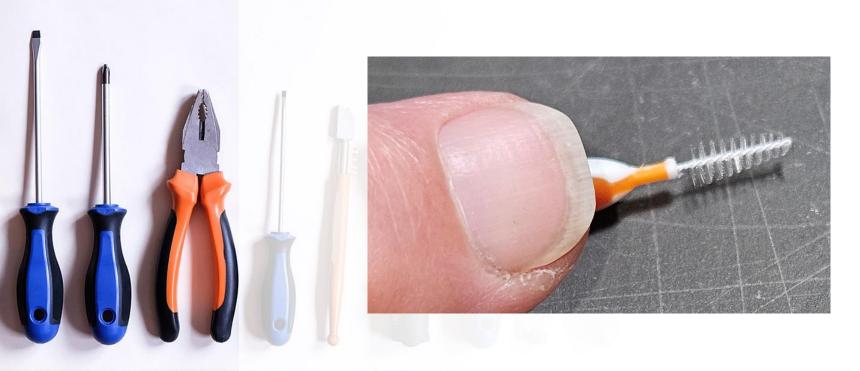
HEAT SHRINK TUBING



- 3:1 Shrink Ratio
- Dual Wall
- Adhesive Lined
- Flame Retardant
- Chemical Resistant
- Waterproof



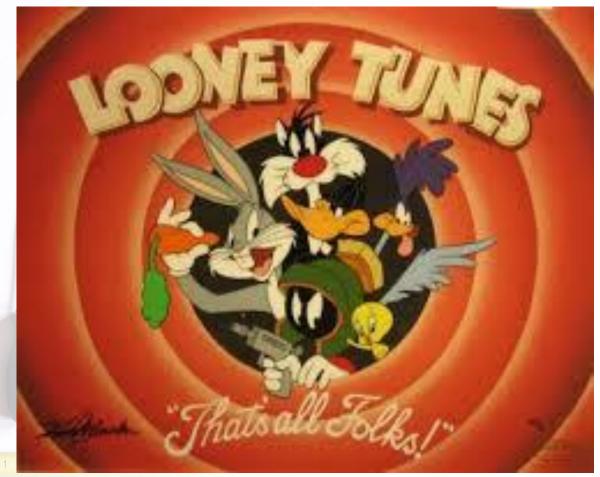
TEENY "BOTTLE" BRUSHES











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