

Electrolytic Derusting

Cheap, Simple, Almost Effortless Rust Removal

This works good for HEAVILY RUSTED TANKS

materials needed for a tank derusting setup

clear tubing, garden, fuel or heater hose
something chain fits inside



length of bare chain, several bare steel welding rods, etc.



gasket punch
or
sharpened metal pipe



mallet or hammer
for punch

washing soda



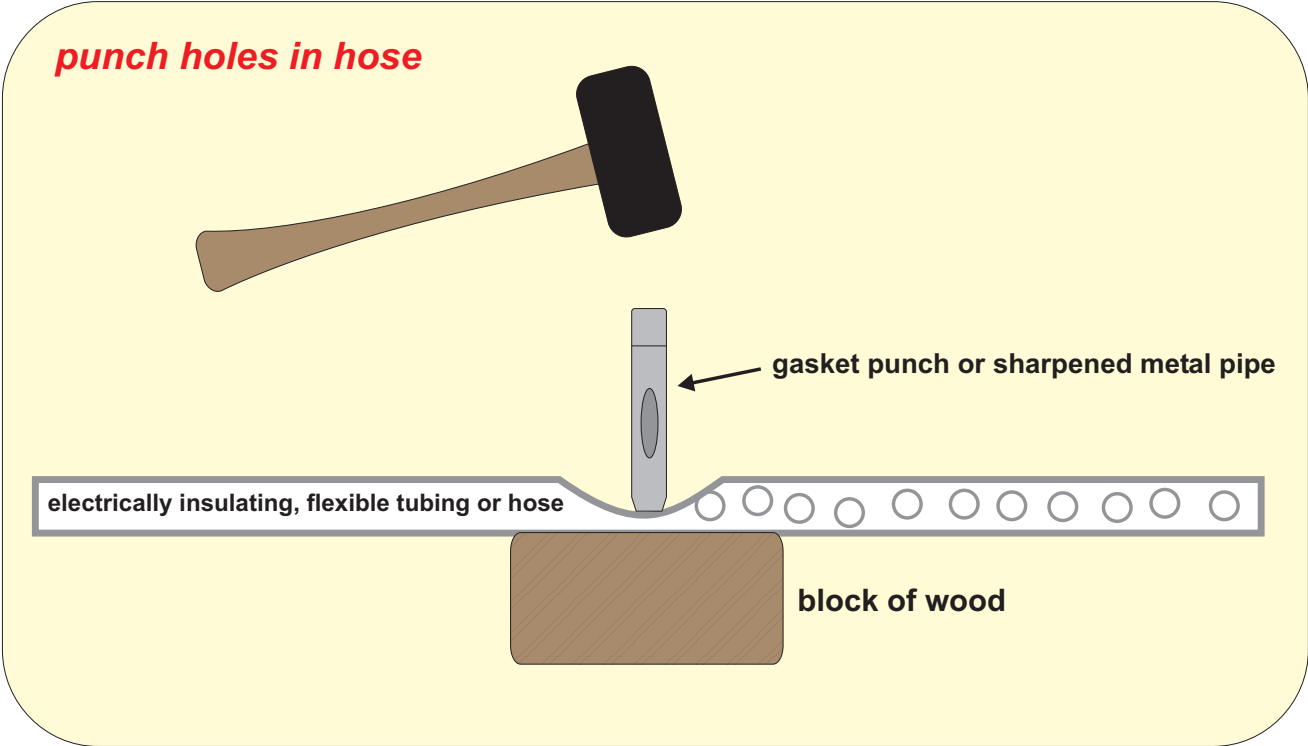
another good stuff how-to from the workshop of Jon Pardue

Electrolytic Derusting

Make an **Anode** Protector From Tubing or Hose

select tubing or hose that is flexible

clear vinyl tubing, garden hose, heater hose, etc - chain fits inside



slick method: insert sharpened tube into drill press chuck, bore holes in hose



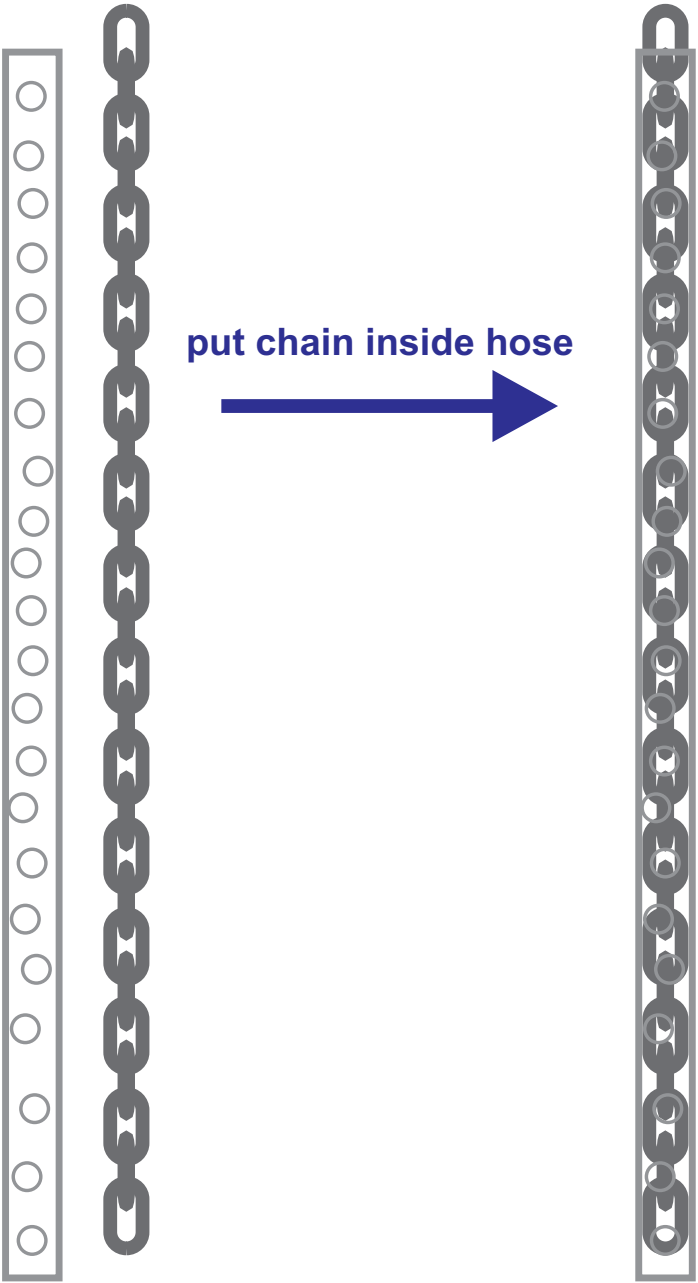
finished hose full of holes

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Electrolytic Derusting

Assemble **Anode** From Chain and Hose

chain extends past tubing
this end is outside the tank
connected to **+ battery charger**

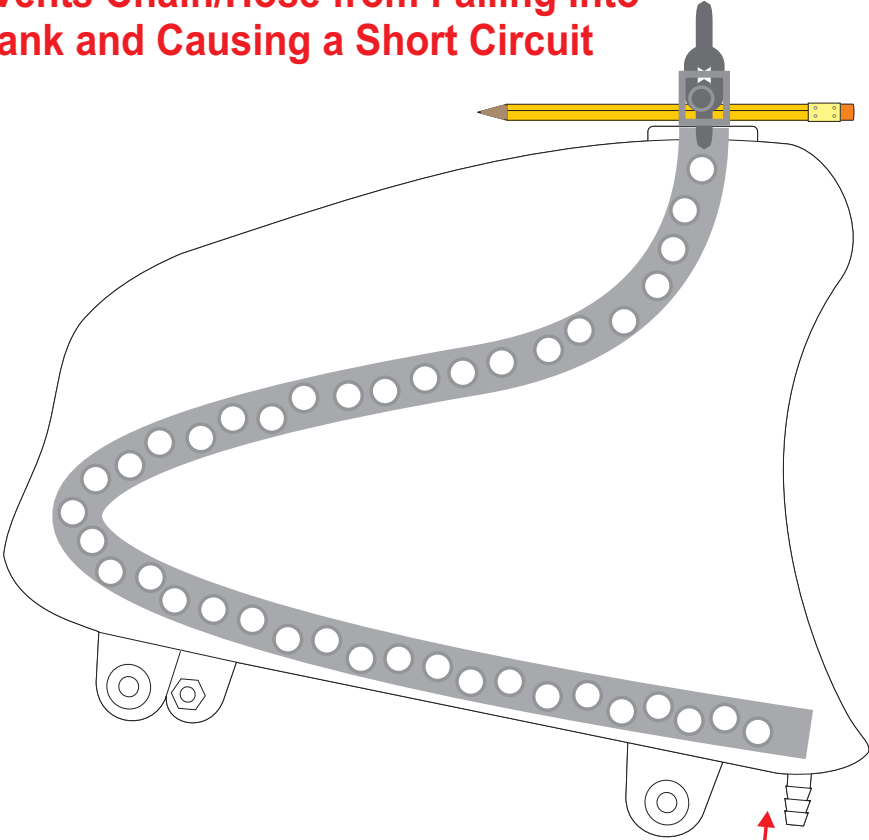


hose longer than chain
this end goes in the tank

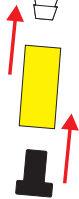
Electrolytic Derusting

Insert **Anode** in Tank

Insert Pencil or Plastic Pen Barrel
Prevents Chain/Hose from Falling Into
Tank and Causing a Short Circuit



Short Hose to
Fit Tank Outlet(s)



Insert Solid Plug
Into Short Hose

lay chain/tube between fuel outlet tubes
perforated hose prevents short circuits

Electrolytic Derusting

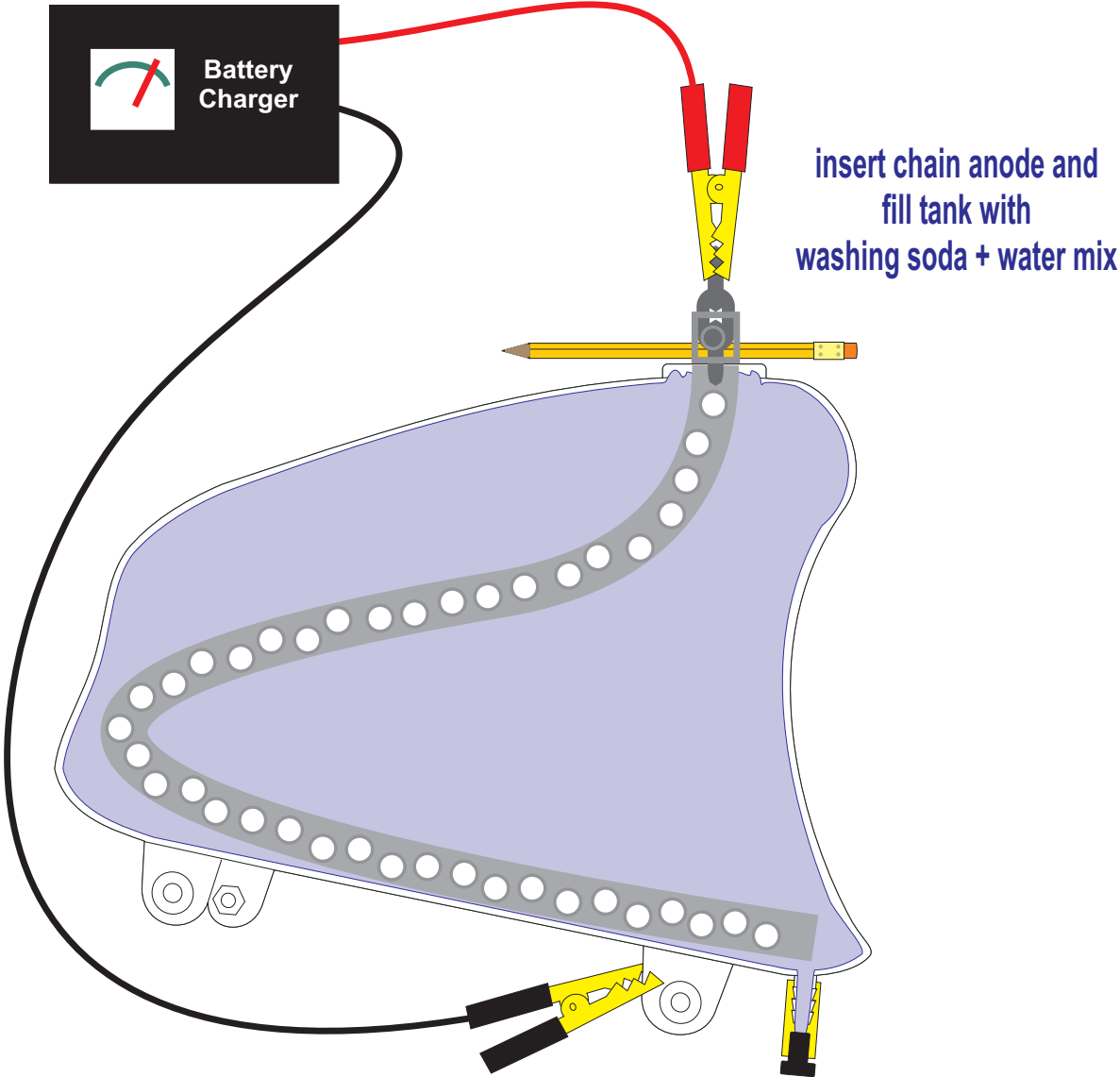
Mix 1/2 Cup Washing Soda in 1 Gallon Water

Fill Tank with Washing Soda/Water Mix

Connect Battery Charger - Enjoy

Typical fuel tank will draw 1 or more Amps

Connect **NEGATIVE** battery charger lead to the tank



ground clamp must connect to BARE metal
a good connection is essential

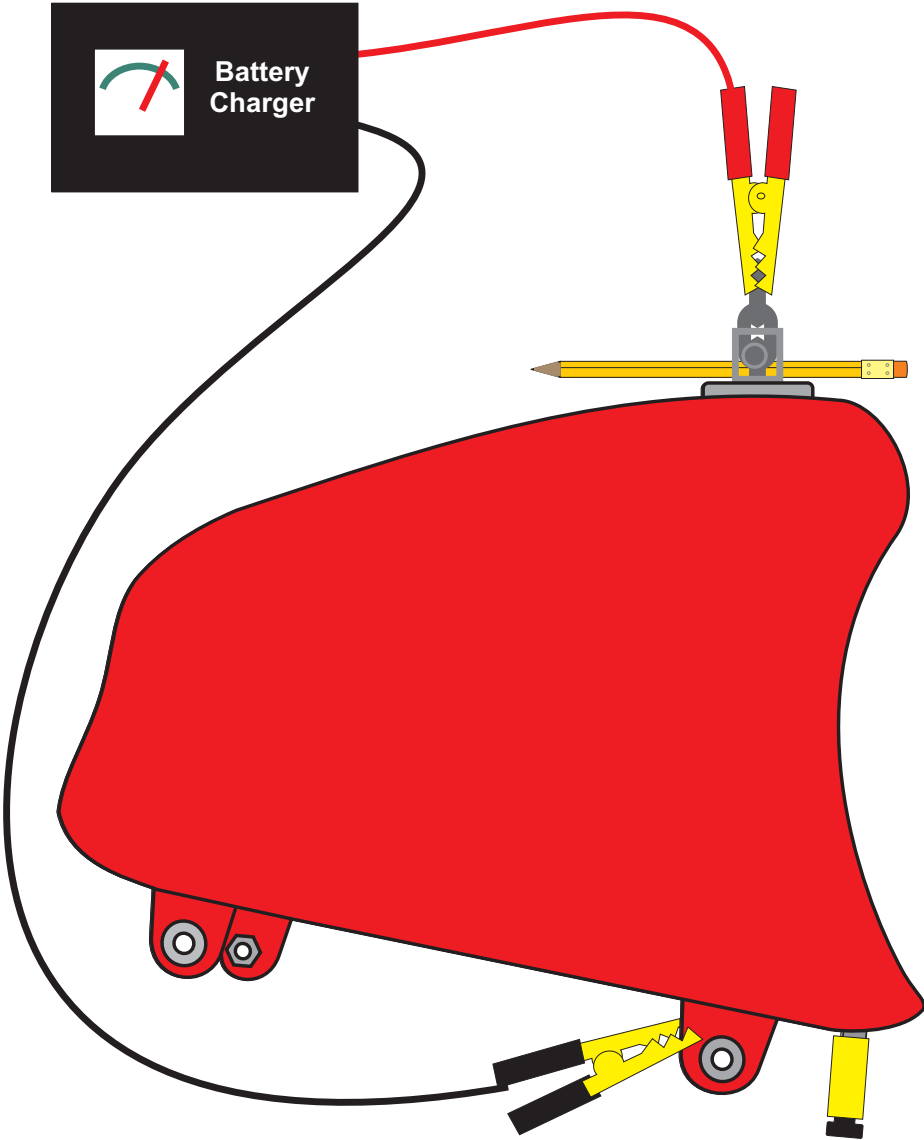
Electrolytic Derusting

After a Few Hours, Dump and Rinse Tank

Clean Chain/Hose After a Few Hours

ReFill with Soda/Water Mix and Repeat as Needed

Inside of Tank will Be Coated With
Particles of Chain Metal
Chain or Anode Will Be Coated with Tank Crud



After Draining Tank Put in 1 Ounce of Motor Oil
and Slosh Around to Coat Tank (or Fill With Fuel).