

**Paul L. Stine, Renick, W.Va.:** "My 2009 L3130 Kubota tractor starts fine when it's cold but if I shut it off after it's warmed up, it won't restart. It only happens on the coldest days of the year and it won't start again until it gets stone cold once again. I've tried everything I can to fix it but no luck."

**Bobby Milam, Altoona, Ala.:** "Need a small funnel? Remove the bulb from a turkey baster. Works great!"

**Tom Buckley, Surprise, Az.:** "A lot of people don't know about Tri-Flow Superior Lubricant. It contains Teflon and is great for lubing locks, hinges, and much more. It's great on my 1952 F3 pickup. No shop or work truck should be without it."



**Ryan Van Der Bill, Sioux Falls, S.Dak.:** "It took me 37 years to discover 2-part epoxy glue. It's a great product for repairing, toys, tools, cars, plastic water bottles, and just about anything else that breaks. I've used it more than 12 times in the 2 weeks since I discovered it. I like that it doesn't harden up until you mix the two gels together. There are several brands on the market that come in side by side tubes. It's the best \$5 I've spent in a long time."



**Kent Frerichs, Wilmot, S. Dak.:** "Plastic paddles for prodding cattle always seem to crack so I wrap the paddles with duct tape, which makes them last a lot longer. I wrap them when new before I even start using them."

**Gene Johnson, McDermott, Ohio:** "Several years ago I switched my 1954 Ford NAA tractor over to electronic ignition. I had been changing points a couple times a year. The new electronic module was only about \$70 and took just a half hour to install. The tractor starts and runs better."

"I use emery boards – the kind women use on fingernails – to clean off corroded terminals on cordless drills. They're long enough to reach and stiff enough to do a good job cleaning and even to bend the

contacts, if necessary. I also use them to file down burned ignition breaker points."

**John Lubinski, Plainview, Minn.:** John made a tool cart/cabinet that doubles as a small portable workbench. The 40-in. high



cart rides on 6-in. wheels on back and 2 1/2-in. caster wheels on front. He used 2-in. angle iron for the frame and 1/2-in. plywood for the main cabinet, then ran 2 by 6's around the top to form a basin to hold tools and parts. A removable 1/2-in. thick table lays across the top. The cart is wired for electricity. It can be rolled to any job. Cabinet doors open to hold bigger parts and tools.



**Chuck Gugino, Middleport, N.Y.:** "I had to drill out a broken stud on the exhaust manifold of a Ford 460 engine. I needed a way to put more pressure on the power drill to get the job done. So I modified a bar clamp, adding a 90 degree bracket at one end that hooks onto the engine. Then I just tightened the clamp onto the back of the drill and kept tightening as I drilled."

**Gerald Ripps, San Antonio, Texas:** "On older Ford tractors there's a plastic knob on a valve located under the fuel sediment

**FARM SHOW**

## Money-Saving Repairs & Maintenance Shortcuts

Have you come up with any unusual money-saving repair methods for fixing farm equipment? What maintenance shortcuts have you found? Have you had any equipment recalled by the factory? Name a particularly tough mechanical problem you've had with a piece of equipment and how you solved it.

These are a few of the questions we asked randomly selected FARM SHOW readers. If you have a repair tip, maintenance shortcut, or other mechanical experience you'd like to share, send details to: FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044 or email us at: [editor@farmshow.com](mailto:editor@farmshow.com).

Mark Newhall, Editor

bowl that eventually wears out. To solve the problem, I bought a 1/4-in. female thread, full port valve at Harbor Freight and JB Welded it to the bottom of the fuel filter housing. I stuck a bit of paper towel inside the housing and valve, and the next day used a small screw to pull it out."

**Mark Steiner, Precision Machine Works, Keenes, Ill.:** ph 618 835-2656; [mark@pmwgear.com](mailto:mark@pmwgear.com): "We offer an ultra hard case ring and impeller ring for the Cornell 19-in. liquid manure pump, which is designed to be used in abrasive slurries. We also build up worn back plates with hard surface material and remachine them to specs. We've repaired some pretty badly worn back plates at a fraction of the cost of new. We also custom-build rings for other manure pump brands."

per charge. A larger capacity M18 12-Ah High Output battery is available for a longer run time.

**Family Handyman:** According to a recent article in Family Handyman magazine, an old tennis shoe works like an eraser to remove sawdust or pitch from a power sander, to make it work like new. Just turn on the sander and push the shoe's rubber sole against the disc or belt, using only enough pressure to remove the debris.

**Dennis Carpenter Ford Products (ph 800 476-9653; [www.dennis-carpenter.com](http://www.dennis-carpenter.com)):** After years of producing "as original" reproduction parts for N-series Ford tractors, the company recently introduced a



## Cigar Tube Parts Storage

"Over the years I've had trouble keeping small parts separated and organized, especially those tiny screws, drill bits and special parts that disappear when thrown into a drawer. My liking for cigars fixed that problem. Now I use aluminum cigar tubes to organize and store about anything that will fit in them," says Al Cavasin, Concord, Mich.

Cavasin uses a Sharpie permanent marker to write the contents on the side of the tube, or a Brother label maker. "I group the parts in jars, cans, boxes or drawers according to what's stored in them. That way the parts are always there when I come back to the project," says Cavasin.

He says cigar tubes come in all sorts of shapes, sizes, colors, and configurations. "Some have rounded tops, some have flat tops, and some come to a blunt point at both ends. So I have different kinds of tubes laying all over my house and shop."

The photo shows an 8 by 2 1/2-in. cigar tube labeled "Kreg" laying on a workbench, with several other kinds of tubes stored in a nearby cup. "The Kreg is a jig that I often use to drill angular holes in the end of a board so it can be screwed to another board," says Cavasin. "Special screws with an extra wide flat shoulder have to be used so you don't split the wood. You don't want to throw these



Cigar tubes work great to keep small parts separated and organized, says Al Cavasin.

screws in with a bunch of other screws, unless you like digging for screws."

He also uses the tubes to store other small metal parts, including tiny drill bits. "If I try to keep these tiny bits with other size bits they always get lost, or they get stuck in the mortises at the bottom of a drawer. Then I can never get them out," notes Cavasin.

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**Alan Linda, New York Mills, Minn.:** "I always keep a small magnet in my pocket in order to make tiny tools, such as socket and drill bit extensions, easier to grab and use. It also keeps them from getting lost. Coins don't stick to the magnet."



**Milwaukee Tool:** Cordless power tools keep getting larger and one example is the new Milwaukee M18 Fuel 8 1/4-in. cordless table saw. It runs on a single 18-volt M18 battery pack and is equipped with a brushless motor that rotates an 8 1/4-in. blade with enough power to rip any kind of wood, says the company. Handles make the saw easy to carry. It weighs just 40 lbs.

The saw offers up to 600 linear ft. of cutting

line of reproduction hood kits for the Ford Jubilee, NAA, 600-800 series, 601-801 series, 2000 and 4000 tractors as well as row crop models. The line includes front hood panels, left and right hood sides, top hood doors, radiator-to-hood bumpers, top hood door catches, springs, and bumpers; air cleaner funnel and louvered door, and assembly hardware.

"As far as I know we're the only company to offer reproduction hood kits for these tractors," says Neil Lewis. "The hoods look just like the original ones and cover tractor models made from 1953 to 1964. Hoods for tractors made from 1953 to 1957 come with the Ford logo in raised letters."

Hood kits for all tractor models sell for \$1,195 plus \$99.99 shipping.

**Charlie Brown, Port Orchard, Wash.:** "I bought an old knuckle boom crane off Craigslist and mounted it to the floor just inside my big rollup door. I can unload material from outside the door and swing it around to my steel rack. I can also lift things on and off my layout table. I run it with a small gas engine and a 2-stage pump."