

and welded the hole shut to make the rim airtight so it could be used as a tubeless tire again.

"I spray painted the wheel, then put the tire back on, removed the bolt and put the wheel back on the axle. Then I inserted the bolt through the hole in the hub and into the welded-on nut. Then I tightened the bolt down tight to hold the wheel against the axle.

"Loose wheel problem solved."

**John Cooper, Oxford, Miss.:** "If I accidentally cut a small underground cable, I repair it on the cheap using a short length of pvc pipe and a tube of outdoor sealant. I slide a length of 3/4 or 1-in. dia. pvc pipe over the wire just beyond the area that was cut, use new wire to make a splice, and then tape it up. I then slide the pipe back over the splice and use a caulking gun to squirt rubberized outdoor sealant as far as possible into both ends of the pipe. The pipe should be long enough so both ends extend at least 6 to 8 in. beyond the splice.

"The sealant keeps water from getting inside the pipe and possibly shorting out the wires. This technique works great on any small underground wire such as phone, cable and fiber optic wire."

**Glenn Wilson, Crittenden, Ky.:** "I store my log chains in 5-gal. buckets by setting the hooks on the edge of the bucket. Makes chains easy to carry and their ends are readily accessible."

**Raymond Rodriguez, Waxahachie, Texas:** "If I need to drill a hole just deep enough so I don't hit a water line or an electrical wire, I slide a short piece of pipe over the drill bit to keep the bit from going down too far. A regular socket or a deepwell socket would also work.

"At one time in my life I was making daily deliveries for a furniture store and often had to set up bunk beds. It took almost 20 bolts to put one bed together so the job took a long time.

"An impact wrench would have greatly speeded things up but I didn't want to spend the money. Instead, I took a socket extension and used a cutting torch to cut off the end that normally would have fit onto a ratchet wrench. Then I put the extension in my drill like a bit and used the socket size that I needed on the other end of the extension."



**Gene Boehler, Farmersville, Ill.:** "I needed a better way to store tools while at the same time keeping them readily accessible, so I put several short pieces of steel pipe and tubing to good use. They're in various sizes and measure from 6 to 12 in. long. I placed the pipes and tubing in rows about 1 1/2 in. apart. Then I welded them to an 18 by 20-in. base made from 1/8-in. thick steel plate that forms a base, then painted everything bright orange.

I could have used heavier plate for the base, but I wouldn't want it any thinner because it would be too flimsy.

"My tool storage idea works great for storing pipe clamps, pry bars, brooms, shovels, and so forth. The brightly-colored pipes and tubes are highly visible and tall enough to keep the tools from falling over. They also take up less space than barrels and are more user friendly."



**Daniel Considine, Northwind Tools LLC (www.northwindtools.com; ph 208 215-4090):** Considine designed and built a tool that takes the place of five tools. The Spin Breaker works as an extension, breaker bar, high spinner, crank and power driver. "We've had master mechanics testing them, and they don't want to give them back."

Considine, a retired Air Force maintenance crew chief, has built several tools over the years. His Pinch-A-Log firewood handler was featured in FARM SHOW (Vol. 37, Issue 6). The Spin Breaker loosens bolts and instantly turns into a crank if the bolt is difficult to turn. When loose, the crank becomes a high-speed spinner by putting your finger in a loop to turn. An extension accesses deep reaches, and a cordless drill on the end turns it into a power driver.

"You're not running to the toolbox for other tools. You save time and money. People understand it's really fast when they see the video for the spin breaker." (see video at www.farmshow.com) The Idaho inventor hopes to connect with investors or a manufacturer to get his tool on the market soon.



Steve Barbato offers ready-to-go, complete wiring harness kits for a number of Allis Chalmers tractor models.

## Customized Wiring Harness

Steve Barbato puts nearly 50 years of gas/diesel engine experience into building customized wiring harnesses and rebuilding carburetors, magnetos and more. A big fan of Allis Chalmers tractors, he offers ready to go, complete wiring harness kits for a number of models.

"I offer complete kits so customers don't have to go looking for every little nut and screw needed," he says. "That goes over real big, and people tell me they've never seen anything like it. I provide complete instructions on how to install."

Although his full-time job is with a local power company, B&B Custom Circuits keeps him busy on the side.

"I was on the internet chatting with a guy from Iowa about an Allis Chalmers B and the wiring harness I made for it," he says. "The next day I came into the shop and I had all these emails wanting to know how much I would charge for one."

Realizing there was a market, Barbato made up a few kits for Allis Chalmers B, C and A tractors and went to a Gathering of the Orange in Michigan.

"I had people 3 deep around me all weekend," he says. "By the end, I was so hoarse I couldn't talk."

Since then he has expanded his kits to include the Farmall H and Super H. He also does custom harnesses for other tractors.

"If I can get an original wiring harness, I can use it for a pattern," says Barbato. "I

can build a harness for almost any tractor. However, the Allis Chalmers people keep me pretty busy."

In fact, they keep him so busy that he warns prospective customers there could be delays. That is true even for tractors with kits.

"I always ask about tractor components, such as shape of headlight and working lights if any," says Barbato. "Every system is adapted specifically for the customer's tractor, so they don't have to splice into a generic harness."

In addition to the wiring harnesses, Barbato also works on carburetors, distributors, magnetos, generators, starters and much more.

A certified hydraulics technician, he can help customers out with hydraulic problems as well. He says he is always glad to field a question on electronics, engines or hydraulics.

"My wife and I do all the work, and I get to talk to tractor people at shows and online," he says. "Tractor people are such nice people, and it's just a lot of fun. I'm on the Allis Chalmers web page almost every day under my handle 'Steve from New Jersey'. I'm glad to share my 45 years as a gearhead and mechanic."

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## "Mini Jackhammer" Dresses Corn Grinding Stones

"I own a William's 18-in. grist mill for corn. At the end of the milling season in November, I break the mill in half to dress the millstones by hand. The stones have to be rough to grind properly and they get smooth as they work," says Wayne Beggs, Lincolnton, Ga.

"I work on the stones with two hammers. One is a facing hammer with rough points on it which is made at a special tool shop in Elberton, Ga. The other one is a Tampo rock pick with carbide tips which I purchased from Meadow's Mill in North Carolina.

"I got the idea of mounting the Tampo rock pick tip on a Snap-On air chisel (I cut off the chisel). I had to heat them first in order to weld them together due to their hardness. The result was a small jack hammer that makes it a lot easier to dress the stones when they get dull.

"It's important to wear a face shield and having protectors and the air hammer has to be turned very low to do the job. I wear a heavy glove to hold the chisel in place to keep it from rotating."

Contact: FARM SHOW Followup, Wayne



Wayne Beggs welded a Tampo rock pick tip on a Snap-On air chisel, cutting off the chisel. The result is a small jack hammer that makes it easier to dress millstones when they get dull. He also use a facing hammer.

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