

Dan Hyer, Lancaster, Wis.: "A bearing went out on a tractor front hub, chewing up the area that holds the seal. I couldn't find a new part for that and I needed the tractor right away, so I installed new bearings and put a speedy sleeve on the spindle. Then I used JB Weld around the new seal, assembling it before it set up so the seal stayed centered. It's still working fine."

"I use an old refrigerator to store welding rod. I discounted the light switch on the door so the light stays on, keeping the rods dry inside."

Danny Holder, Kerneysville, N.C.: "My Ford 3930 had an oil filter under the left footrest that was exposed so it could get damaged. I welded a shield under the filter and also made a low step on the shield to make it easier to climb onto the tractor."

Simon Gordon, Irvington, Ky.: "The gas tank on my 1963 Massey Ferguson tractor rusted out and I could not find a replacement. So I turned a 30-gal. propane tank into a gas tank and it has worked out well for the last 10 years. It holds about 12 gal. of fuel."

Daniel Bullock, Mt. Sterling, Ill.:

"The rubber caps around gear shift levers eventually rot out and leak water into the transmission. I came up with a no-cost waterproof fix using the top off a plastic water bottle. You just cut off a few inches and slip it down over the gear shift lever, sealing the top with electrical tape."



James Tostenson, Fremont, Wis.:

"Adding a couple gallons of gas to the fuel tank of a worn out diesel engine can save you the use of a lot of ether. It also cuts down a lot on the smoke and misfiring."

"If you've got a weak battery, it can be renewed with a teaspoon of white sugar in each cell. Just be sure the water is at the correct level and be careful not to generate sparks around the battery because it will make gas, like when you charge the battery. I have no idea why this works but it sometimes gives you an extra year or two."

Arthur Freymiller, Fennimore, Wis.: "Last year I bought a new Toro 2-stage, walk-behind snowblower and noticed that there is more than 1/4 in. of clearance between the blower paddles and the walls of the chute. So much clearance allows snow to leak by, which is why many snowblowers don't blow snow very far. I got to thinking that silo blowers have very little clearance, which is why they can blow silage all the way up a silo. So I decided to install a poly liner in the snowblower chute to remove the excess clearance."

"I cut a strip of poly, softened it up in hot boiling water, and bent it into a circular shape. I drilled two holes into it and bolted it onto the chute, countersinking the bolts so nothing can catch on them. The liner rubbed on the paddles in a couple of places, so I ground those spots down a bit."

"It worked - right away the snowblower started throwing snow out much farther. Over the years FARM SHOW has published stories on farmers who converted old forage blowers into snowblowers that blow snow out a long ways, and it's easy to see why."

Dean Pingel, Hilbert, Wis.: "Here's how I built an electric starter for my Farmall F-12"



tractor. The ring gear is from a Ford Taurus and the starter is a Ford marine starter, which I used because it turns in the same direction as the crankshaft on the tractor's engine."

"I unbolted a spacer from the tractor's driveline and replaced it with the Taurus ring gear, drilling holes in it to match. This setup was the only mounting option because the overdrive on the tractor's transmission takes up a lot of space."

"The photos show how the starter fits through a hole in the plate and is bolted to a

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.

Mark Newhall, Editor

3/8-in. thick steel plate that's attached to the tractor's frame.

"My nephew works for a company that uses laser machines and designed the mounting plate to fit. Before he did any cutting he made a cardboard model, and then a light metal model which he reworked until it fit."

"The hardest part was getting the ring gear to run straight, which I did by adding some spacers and washers. My total cost was less than \$200."

G.A. Vedvig, Minot, N. Dak.: "When changing oil, slip a plastic bag - the kind your newspaper comes in - over your arm to keep oil off it."

Lieske Tractor, (ph 612 203-9256; liesketractor@gmail.com): Their Sloppy Shifter Fix stops your IH tractor from jumping out of gear or shifting into the wrong

1568. The tray snaps onto the tractor rail to keep tools at your fingertips. It measures 22 in. long by 10 in. wide and comes bare steel. A heavy duty tool protector mat (included) fits onto the tray. Sells for \$39 plus S&H.

Vern Goodwin, Lincoln, Neb.: "I came up with an easy way to carry sockets to a job site. I screwed 3 socket-holding metal



strips onto a 2-ft. long, 4-in. wide piece of kitchen countertop. I keep a 6 and 12-point socket next to each socket size.

"It really comes in handy with rounded off nuts and bolt heads. For example, if a 7/16-in. socket won't catch on the bolt head I can quickly switch to the corresponding 6 or 12-point socket, which has a better chance of grabbing all sides of the bolt head. I drilled a big hole into one end of the tray to hang it on my shop wall."

"I converted a stationary 3-jaw lathe chuck into a portable model by mounting the lathe chuck on a round stand made from



1/2-in. thick steel. At the center of the stand I welded a big pipe that screws into the back side of the lathe chuck. I also drilled a hole into the stand to hang it on a wall. I use the lathe chuck's T handle to move the jaws in or out."

"Works great whenever I have to work on something round, such as a wheel hub. I've used it many times to install wheel spokes."

"I use an old hospital bed clamp in my shop's drill press to hold any round parts that I want to drill into or work on. The bed clamp was designed to hold food trays

Specialty Carburetors Rebuilds Common And Classic Carburetors

If Specialty Carburetors doesn't have the carburetor you need, they can rebuild the one you have. The company works with classic carburetors from the 1930's to modern units in auto, truck, tractor, industrial and marine engines. They also repair and service most fuel injection systems and throttle bodies.

"Our biggest challenges come with the older carburetors," says Carlos Rosario at the company. "They are often warped so we have to do some surface milling. If we need parts, we have them made."

Rosario and his partner Carlos Nunes have many decades of experience in the business. They worked for a large carburetor rebuilder for 22 years and have run Specialty Carburetors for 23 years.

"We often have to rebuild a customer's core, though we do have quite a few in stock," says Rosario. "We work on them all, imported and domestic, 4-barrel, 2-barrel or single."

In most cases, customers can simply call in an order for a rebuilt carburetor, and the company will ship it out with a label for sending back the old core.

"When it comes to industrial and marine carburetors, there are so many variations we ask that they ship the original core in first," says Rosario. "The number can be the same, but they have different shafts and components



Carburetors come in looking like the one on the left and go out looking like the one on the right.

for different uses."

Prices vary with the condition of the carburetor, explains Rosario. While some people call to find out a price first, others simply send their carburetor in for repair or rebuilding.

"We tell them what it will cost to fix it," he says. "It will still be less expensive than buying a new one, whether OEM or after market."

Contact: FARM SHOW Followup, Specialty Carburetors, Inc., 53-B Algje Ave., Etobicoke, Ont., Canada M8Z 5J9 (ph 416 259-7877; toll free 877 292-9751; specialtycarburetors@hotmail.com).



gear. It's for use on IH 300, 350, 400, 450, 460, 560, 600, 650 and 660 tractors; Models H, SH, M and MD; T-6, TD-6, T-9 and TD-9; W and 0 series tractors, 504u, MTA, 300u, 350u tractors, and crawlers. Sells for \$25 plus S&H.



O.E.M. Tractor Parts, Chenoa, Ill. (ph 800 283-2122; www.oemtractorparts.com): This company's Tractor Tool Tray is designed for IH tractor models H through