

## Many Uses For Rare Earth Magnets

When Alvin Beechy started using magnets in his Amish buggy shop to hold windows open or shut, he had no idea others would find so many uses for the magnets. Now his LaGrange, Ind., business carries a large inventory of rare earth magnets that are shipped across the country to individuals and businesses.

"I don't know what all the uses are but we sell to furniture, canvas, and leather shops among others," Beechy says.

A 1-in. magnet is about the size of a quarter and can lift 60 lbs. The imported rare earth

magnets are about 10 times stronger than normal ferrite magnets.

People typically use the magnets to hold things securely in place, Beechy says. He has a pole barn builder that buys 1,000 at a time. Other customers use magnets to hold guards and shields in place, instead of hard-to-get-at bolts that need to be removed when changing a belt or other maintenance.

Other uses include holding sheet metal together for welding, securing a small vise, pulling out dents, holding tarps on trucks, and even holding an outhouse door shut.

Beechy stocks magnets in sizes from 3/8 in. dia. to 1 in. dia., and sells them individually or in lots of 10, 100, 1,000 or more with reduced per/unit prices. For example: 1-in. magnets cost \$2.50/each or \$1.30/each for 100 or more (plus shipping). Beechy also sells steel cups to hold the magnets, which increases magnet strength and protects them from breaking, and he sells strike plates for magnet contact.

Contact: FARM SHOW Followup, Alvin Beechy, Beechy Buggy Shop, 1475 S. 250 W., LaGrange, Ind. 46761 (ph 260 499-3277, ext. 4).



Rare earth magnets are 10 times stronger than normal ferrite magnets, says Alvin Beechy, who sells them in sizes up to 1 in. dia.

## Where To Buy Parts For Old Scouts

"I started the business after looking for parts for my tired old 1974 International Scout II and nobody had them," says Steve Beals. "I ended up making the seals and wiring harnesses I needed, and when the internet started I decided to sell some of my parts there. One thing led to another and soon I was getting calls for all sorts of Scout parts from across the country."

Twenty years later, Scoutparts.com is a thriving business that has shipped more than 110,000 orders to customers across the U.S. and around the world. An associated business (Travelallparts.com) sells parts for IH Travelall and IH pickup trucks. Loadstartparts.com is the website for larger farm trucks and another site sells mostly discontinued wiring harnesses for IH 4700 models.

"We make many discontinued electrical connectors and the wiring harnesses for all

years of Scouts and most pickups and Travelalls made by International Harvester," Beals says. "For 1940's and 1950's harnesses we use cloth-covered wire, which is extremely durable and high quality. That quality is so widely recognized that it's gotten us in to building harnesses for autonomous and electric cars and trucks for some of the world's largest manufacturers."

Over the years Beals has purchased the parts inventory of many Scout and IH dealers, including all manuals and parts books. He says they've also had many families contact them to liquidate basements and garages filled with parts left by a deceased family member. Their inventory includes everything that a dealer would carry.

"There's a big demand for 'high wear' parts such as axles and engine parts," Beals says. "We also do a good business in body parts, wiring harnesses, rubber parts, lift kits, body



Photos by Dan Harrick

mounts, door parts, disc brake conversion kits and anything electrical. Steel bumpers are all parts exclusive to Scoutparts.com, and we're just starting to make carbon fiber body parts for Scout II's."

Beals says there are Scout clubs around the world, particularly in Germany, and they've even sold parts to customers in the Congo and

Owners of old International Harvester Scout utility vehicles can find the parts they need for restoration at Scoutparts.com.

Libya. "It's a great business because we're helping people rebuild and preserve vehicles that are still very useful."

Contact: FARM SHOW Followup, Scout Parts, 2704 SE Steele St., Portland, Ore. 97202 (ph 888 288-0550; www.scoutparts.com).



A wide variety of hard-to-find parts for IH, Deere, and Case tractors, including sleeve and piston kits, are available from Carr's Repair.

## Sleeve And Piston Kits For IH, Deere Tractors

Carr's Repair in Barwick, Ontario, sells hard-to-find parts for International Harvester tractors, including sleeve and piston kits for IH Super MD-450 diesels and IH W-9-650 gas and diesel tractors. He also sells sleeve and piston kits for Deere 2-cylinder tractors and Deere 730 tractors, as well as Case 400, 500, 600, and 900 diesel models and Case 400, 600, 700, 800, 900, 730, 930, 770, and 970 gas models.

"I sell to farmers, repair shops, larger agri engine parts businesses, and vintage tractor restorers," says owner Gerald Carr. "The kits include 4 piston sets, 4 sleeve sets, and 4 ring sets. They fit right into the old block with no machining required."

"I also sell bearing sets and gasket sets."

Carr got started with sleeve and piston

kits in 2010 when he was rebuilding an IH 600 diesel tractor and discovered it had 2 cracked sleeves. "Finding replacement sleeves for this tractor was very difficult," says Carr. "When I discovered others were also having trouble finding engine parts for older IH Farmall and McCormick tractors, I got my business up and running. I had a lot of help from various suppliers and expert mechanics from around North America."

Contact: FARM SHOW Followup, Carr's Repair, P.O. Box 219, Barwick, Ontario, Canada P0W 1A0 (ph 807 487-2548; www.carrsrepairvintageparts.com); in the U.S., go to: Carr's Repair, 1801 2nd Ave. PMB497, International Falls, Minn. 56649 (gandjcarr@tbaytel.net).

## Handy Hint For Grinding Valves

"Anyone who has ever tried to grind down worn engine valves knows that unless the valve head is perfectly smooth and clean, the suction cup on your valve grinding tool won't stick very well and can easily fall off. It's very annoying," says Michael Heron, Rivercourse, Alberta.

"To solve the problem, I came up with a way to rotate the valve head using a 2-in. long wood plug from a hole saw. I rotate the plug with my fingers to grind the valve, and once I've finished I can easily pop the plug off without damaging the head."

"I remove the valve, hot glue the plug onto the valve head, and then apply valve grinding compound around the sealing surface of the head. Then I put the valve back in and use my fingers to rotate the plug a few times, until the valve and valve seat make a continuous lap seal. I then pull the plug off the valve head. It comes off easily because hot glue doesn't form a real strong bond."

"Instead of using my fingers, I could use a screwdriver to rotate the plug. Also, the cork from a wine bottle could be used instead of



To grind down worn engine valves, Heron rotates the valve head using a 2-in. long wood plug from a hole saw.

the wood plug as long as it has a slightly smaller diameter than the valve head.

"The same idea would also come in handy on side valve or airhead engines, where there isn't enough room to use a grinding tool."

Contact: FARM SHOW Followup, Michael Heron, 452078 Range Rd. 13, RR 2, Rivercourse, Alberta Canada T0B 3X0 (ph 306 821-6367; m.heron@sasktel.net).

## Easy Way To Send Your Ideas

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