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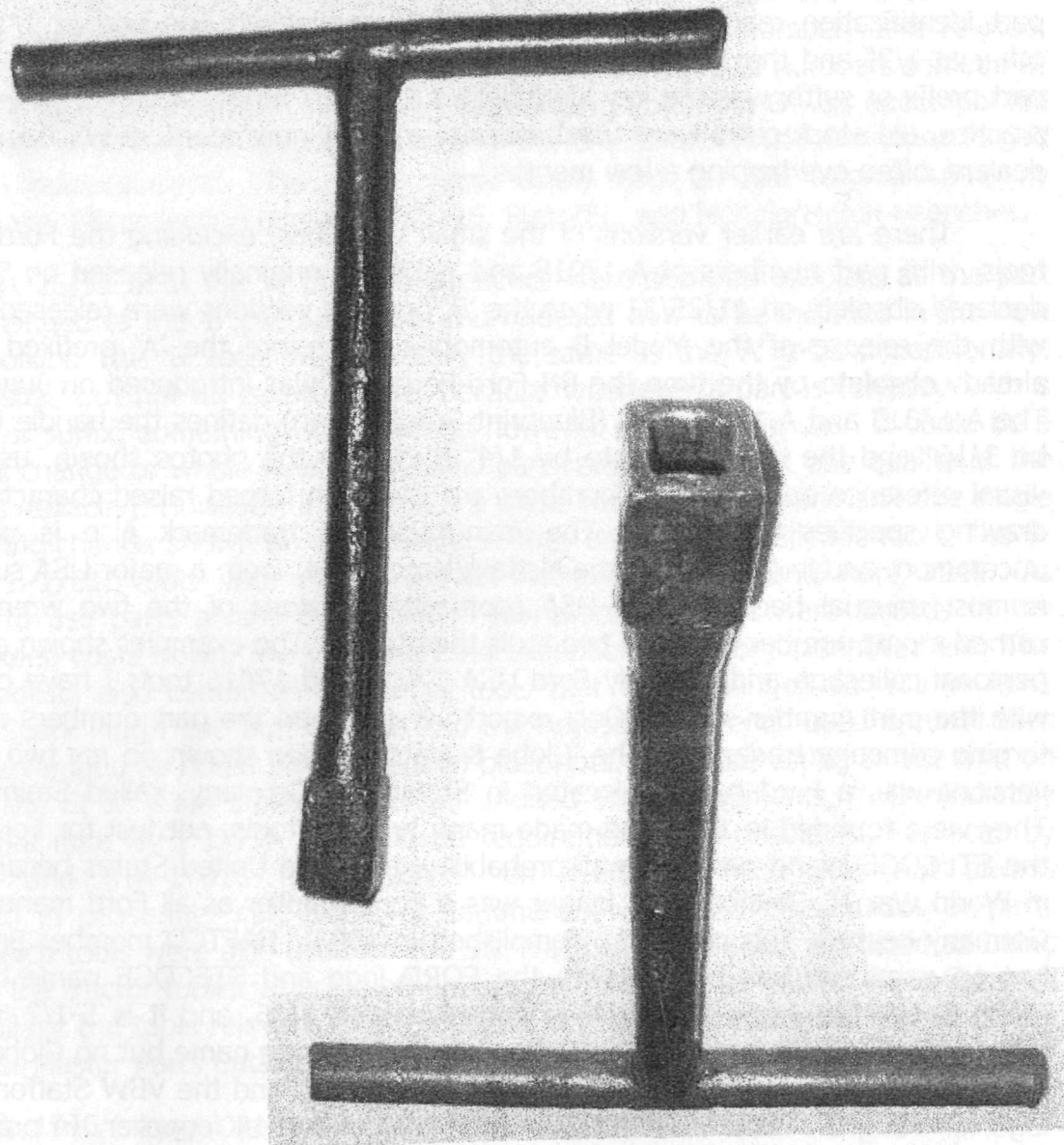
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Here is a Z tool I can't find any information on. It has the Ford script and 3-Z-687. It is 7 1/4 inches long and has a square socket that is just smaller than 3/8 inches.

SUBMITTED BY BRENT MUELLER

Small Open End Wrenches –The Other Ford N-Tractor Tools

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As we continue to explore the contents of the toolkit for the N-Series Tractors, in this chapter we'll look at the two small open end wrenches. There were two versions of these, released for all 7-piece toolkits, not just the tractor. They were Ford part numbers B-17015, B-17016, both used up until April, 1940, and replaced by the 01A-17015, and 01A-17016, which were used from that date forward. Ford nomenclature for part identification reads as such: The 17015 wrench had one end at 7/16" and the other at 1/2" and the 17016 wrench had one end at 9/16" and the other at 5/8". The part prefix or suffix was the key identifier as to which version it was. As was common practice, old stock parts were used up prior to their new counterparts being issued by dealers, often overlapping a few months.

There are earlier versions of the small wrenches, excluding the Fordson Tractor tools, with part numbers of A-17015 and A-17016, originally released on 9/23/27 and declared obsolete on 11/25/31 when the 'B' prefixed versions were released to coincide with the release of the Model B automobile. Therefore the 'A' prefixed tools were already obsolete by the time the 9N Ford-Ferguson was introduced on June 29, 1939. The A-17015 and A-17016 BPS (Blueprint Specification) defines the handle thickness to be 3/16" and the heads were to be 1/4" thick. In the photos shown, used here for visual reference only, the part numbers are shown in forged raised characters. Neither drawing specifies that detail. The manufacturer's trademark also is present, not uncommon, and in this case is the McKaig/Hatch (MH) logo, a major USA supplier. This is most unusual because Ford USA (domestic) versions of the two wrenches never carried a part number on these two tools themselves. The examples shown are from my personal collection and the only Ford USA 17015 and 17016 tools I have come across with the part number shown. Only export versions had the part numbers as well as a forging company trademark. The 'Globe & Hatchet' logo shown on my two 'B' prefixed versions was a Ford supplier located in Steinbach, Germany, called Steinbach & Co. They were founded in 1922 and made many types of tools, not just for Ford, including the STECOGE brand name. In all probability, after the United States became involved in World War II, Steinbach no longer was a Ford supplier as all Ford manufacturing in Germany ceased. The plant was demolished in 1983. NAFTA member Brent Mueller has an open end/box wrench with the FORD logo and STECOGE name but with no Globe & Hatchet logo. The wrench is also marked 5/16, and it is 5-1/2 inches long. In his collection with both the FORD logo and the Stecoge name but no Globe & Hatchet logo. He also says he has a set with the part numbers and the VBW Staffordshire Knot logo for Vaughan Bros. Willenhall, another Ford export UK supplier. In order to avoid confusion, I am not going to go into the export tools in this article, but will show pictures of some for visual reference only.

The 'A' versions were released in 1927 for the Model A passenger cars, trucks, and commercial vehicles. One interesting note to add is that there is an Engineering

Change in 1928 defining that the tools were 'to be painted -instead of M-660'. Were they not painted up until then? Perhaps M-660 was a cadmium or chrome plating? Both the 'A' and the 'B' tool drawings show the material to be used as 'H.R. Type EE Steel' and 'Heat treatment to 1470° F. Quench in water. Draw at 700° F to Brinell 364-418. Another interesting note is that on 4/23/28 the Engineering Change specified that the name 'FORD' was to be removed. I have a sample of each wrench without any FORD logo in my collection so these two are probably after the logo was removed. They do carry the (M) MOORE logo. Be aware that Engineering Changes are noted on the drawings in the Engineering Information block and shown as a number, date revised, and initials of the engineer making and/or verifying the revision. EI numbers sometimes involve more than one change. The notation changing from A to B was accompanied by the addition of 'Ford USA' on the front side of the B-17015/B-17016 wrenches forged by any US manufacturer. The back sides simply had the US forging company trademark logo. My collection contains MOORE, MANZEL, and McKaig/Hatch wrenches.

On 11/25/31 both the 'A' prefixed wrenches were declared obsolete as the part numbers changed to the 'B' prefixed tools and released now to be included in the new Model B toolkits. The 'B' tools were virtually the same as the 'A' tools dimensionally. This is unusual, but not an isolated case, because whenever a part is released with a new prefix or suffix, something was changed however subtle it may be. It could be a dimensional change or whole new engineered part retaining at least one quality of the original it is replacing. However, in the case of these two versions, there isn't one single manufacturing change shown on the drawings -they are both virtually identical. The B-17015 and B-17016 tools were used in the 9N tractor toolkits up until April, 1940. As Ford tried to use parts across the board in manufacturing that were already in the system to keep costs down, the tools were no exception. Author's sidenote here: The early 9N toolkits also contained two other tools that were changed as well in April, 1940. The Spark Plug/Head Bolt Wrench and the Adjustable Wrench used up until then also were revamped as noted on the original blueprints. It is interesting to see that on 2/11/1940 the EI J7 #314 stated on both, "...Added 9N Requirements...". Immediately following that note is EI J2937, "...Removed requirements and obsoleted. Replaced by 01A-17015 and 01A-17016 respectively..." on 4/16/1940. It was not always documented in passenger car, truck, or commercial vehicle chassis guides or parts manuals which tools were also used for the 9N Tractor. Some tools are listed as being supplied in the tractor toolkit whereas others are not. The tractor Master Parts Catalogs however, all list the tools relevant to the model and year they represent. I have all the Ford Tractor Master Parts Catalogs, the first being March 15, 1940.

April, 1940 brought yet other and final engineering changes to the two small wrenches. Released as part numbers 01A-17015 and 01A-17016, the tools were streamlined with a thinner design. The BPS on both tools now called out for a thickness at the heads of 3/16" and a middle handle section thickness at 1/8" with the overall length slightly shorter than their 'B' predecessors. Both tools were released on 4/16/1940 and used in early V8 kits as well. The other differences are a little more



subtle and take a keen eye to distinguish. On the 'B' versions, looking at the heads, if you were to draw imaginary lines from the open end points until they connected, the heads would appear to be oval shaped. Not so with the 01A versions. Drawing imaginary lines from each of the point tips outward would show that they intersect approximately 7/16" from the ends of the tips and central to the opening and actually form a kind of triangular shape. By the way, the prefix begins with zero (0), not letter 'O'. In Ford nomenclature, the first digit denotes the first year part was issued, in this case 1940.

I have a set of original Ford tools in my early 8N toolbox as I have found them very useful for some tasks where newer brands won't reach. Ford engineers did a great job designing them as they always had the consumer in mind with all of their products, including the tractor. Farming was a way of life for many people and so making certain that they would be able to do minor repairs on their own would keep the customer satisfied and not stranded in the field. I also have a nice set of correct, original Ford tools for my early 9N tractor when I finish restoring it. When I got my early 9N from my grandpas farm, it still had the original 9N-17014 Plow Wrench in the toolbox.

Ford Tractor tools were painted Semi-Gloss Black Enamel, baked on, per blueprint specifications. The tools shown here all have been cleaned of most paint and rust for clearer photo resolution. I soaked them in white vinegar for about 30 days and then gently brushed off the surfaces with a toothbrush. This method of cleaning will preserve the natural patina without destroying the metal that sandblasting or wire wheeling will do. I use the vinegar treatment for cleaning dirty, rusty, and locked up/frozen parts of all sorts, not just tools. I have my own procedure but that is for another article.

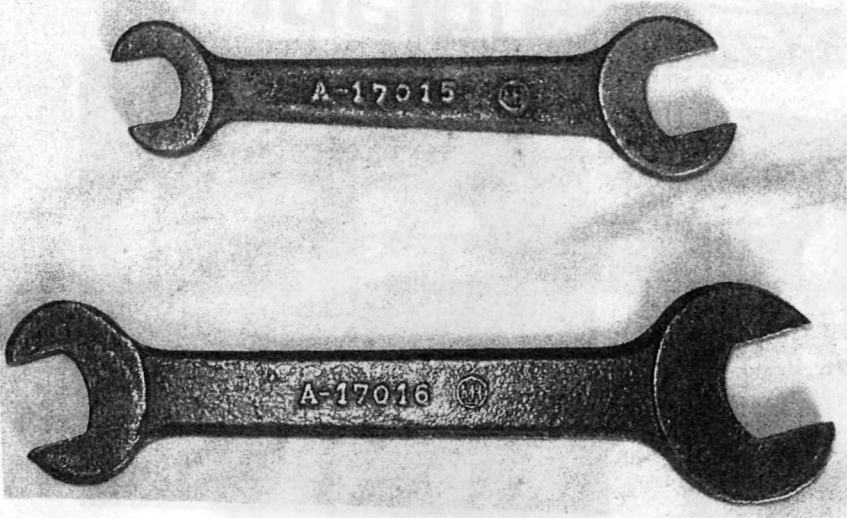
In March, 1940, Ford Tractor released the 9N-17004 toolkit as an accessory which consisted of the toolbag; the pliers, the screwdriver; and the two small open end wrenches. This remained as such until the end of N-Series production though part books show they all were available up through at least 1958. Accessories were available from your local Ford Tractor dealer, and if none were near, a car dealer would be able to supply them as well. Often a tractor owner got car tools if the correct tractor tools weren't available.

I wish to thank the following individuals for their contributions to the research on these Ford tools: Phil Anderson; Marvin Baumann; Harry Kidd; Brent Mueller; and Lin Stacey. Thanks, guys!

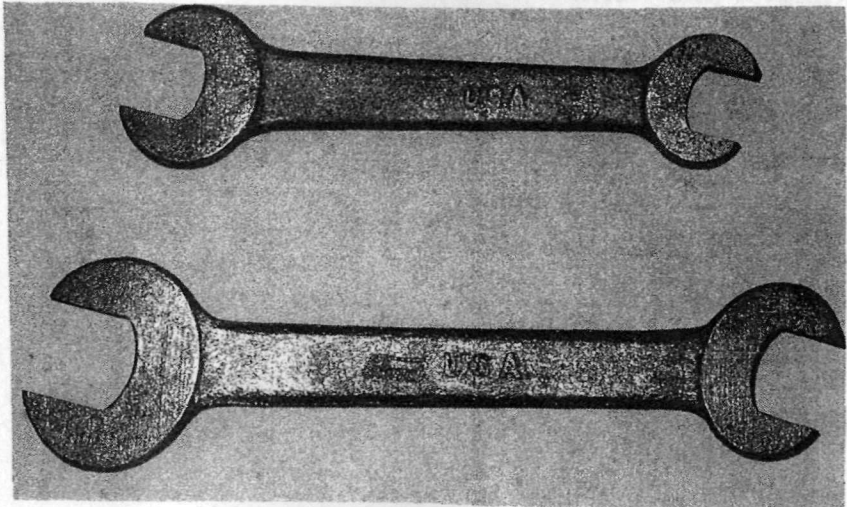
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Subscribe to the **N-News** to stay in touch with Ford Tractor enthusiasts.

**Join Ford/Fordson Collectors Association.Org
for more info on Ford tractors.**



Top: A-17015, 7/16 x 1/2.
Bottom: A-17016, 9/16 x 5/8.
Rare USA McKaig/Hatch
marked with part number
and logo.
Released 9/23/27
Obsolete 11/25/31



Top: B-17015, 7/16 x 1/2.
Bottom: B-17016, 9/16 x 5/8.
Released USA on 11/25/31
Obsolete 4/16/40

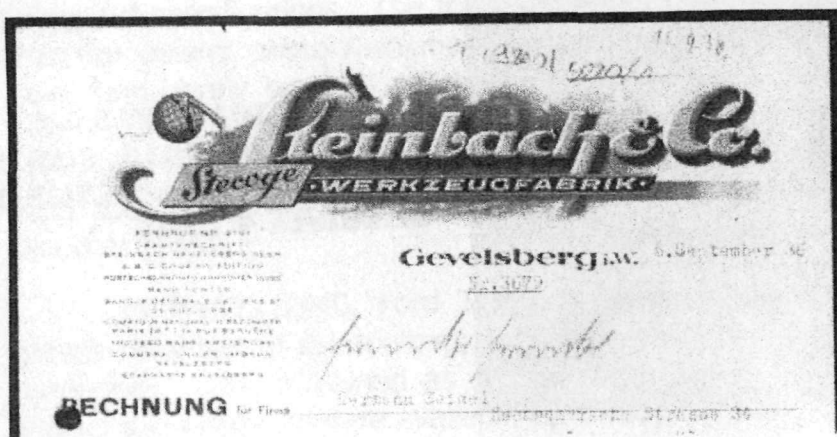


Top: 01A-17015, 7/16 x 1/2.
Bottom: 01A-17016, 9/16 x 5/8.
Released USA on 4/16/40
No obsolete date found.

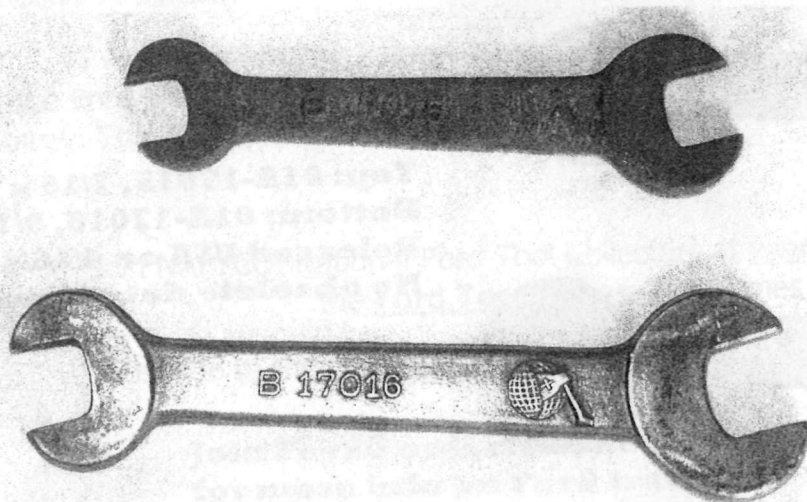
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Outside of Steinbach & Co. forging plant in Steinbach, Germany. Note Globe & Hatchet logo and the name "STECOGE". They made STECOGE brand tools. The word "werkzeugfabrik" translates as "tool factory".



Top portion of an original bill of sale dated 1936. Note Globe & Hatchet logo, upper left.

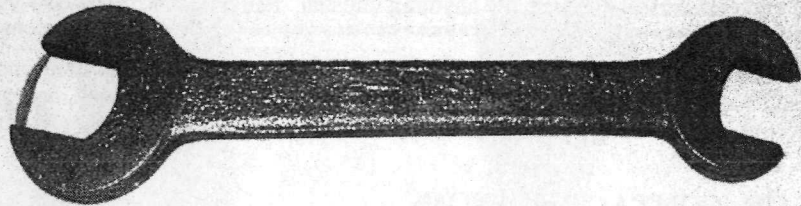


Top : B-17015,
7/16 X 1/2.
Bottom : B17016,
9/16 X 5/8.
Note Globe &
Hatchet.



Top: 01A-17015, 7/16 x 1/2; Bottom: 01A-17016, 9/16 x 5/8. ENFO versions with UK forging company T/W logo for the Thomas Williams Co. of Sheffield, England.

Forms an 'oval'



B-17016

Forms a 'triangle'



01A-17016

The FORD Tool Collectors' Quick Identifier –oval head or triangular head?



WANTED TO BUY: 1. Original grease gun for Ford 9N tractor. Part # 9N-17125-A. 2. Original Ford 9N tractor jack part # 9N17078, assembly. (jack 9N17080, handle 9N17081). 3. 9N17014 p/ow wrenches numbers 1,2,3,4,6,7,8,30,31.
 WANTED TO BUY OR TRADE: Harold Tool pliers, part # B-17025-A2. Need a good set for my book I'm writing.
 FOR SALE: Complete, original N-series Ford tractor tool kits with new reproduction tool bag. \$150.00 plus shipping. Also have Model A tool kits available. Individual tools also available as well as some Model A and T tools. Email me with what you need. Tim Daley. Daleynews4@yahoo.com 810-338-1391

 WANTED. Manzel tools. 6701 oil seal forming tool or Ford # T52T-6701-ADI. Camshaft bearing plugs 6261-C-5, 6261-C-6, 6261-C-8, 6261-E, or Ford # T54T-6250-B. Louis Sumas, 7495 Mclellan Drive, Cleveland, Ohio 44146 phone 440-439-5628 email Lsuma5@aol.com

WANTED. Fordson screwdriver. George Oja, 19 Pelican Avenue, Worcester, MA 01605-1123

WANTED. Ford 5Z821 wrench, and Stevens Model T tools: T-121 Driver, T-122 Puller, T-150 Driver, T-213 Fore-out, T-231 Bushing extractor, T-290 Refacer, T-292 Refacer. Jeff Humble. 231-780-5609. email: humblej@gdls.com

WANTED. T-4069 tire iron with Ford script made in Canada. T-1917 open end wrench with Ford script made in Canada. Open end wrench with Ford script on side 1 and 01A17016 V8 on side 2. Open end wrench Enfo 01A17016. Jim Koons 717-838-1998 or JimKoons208@verizon.net

WANTED. Ford dealer tool catalogs from the 20's and 30's. Richard Herman, 1303 Northview Drive, Luverne, Minn 56156 phone 507-283-2412

FOR SALE. Ford and Fordson wrenches. Also many different farm implement wrenches and companies. Also have three different Cadillac wrenches. Dusty Hanan. 608-~~711-1111~~ 873-5803

FOR SALE. Over 200 Ford tools including oil cans, bumper jacks, etc. Warren J. Baier. 3810 N. 101st. Street, Wauwatosa, WI 53222 phone 414-461-6925

WANTED. Old screwdrivers, especially anything unusual. Bill Miclean, 970-686-9777 bmiclean@gmail.com

FOR SALE. I have many Ford script tools for sale. 3Z-000 and 5Z-000, hand tools, jacks, tire pumps, etc. Email me with your needs. Gary Clonts, Oklahoma City. ~~gclonts@aol.com~~ gginvest@aol.com

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