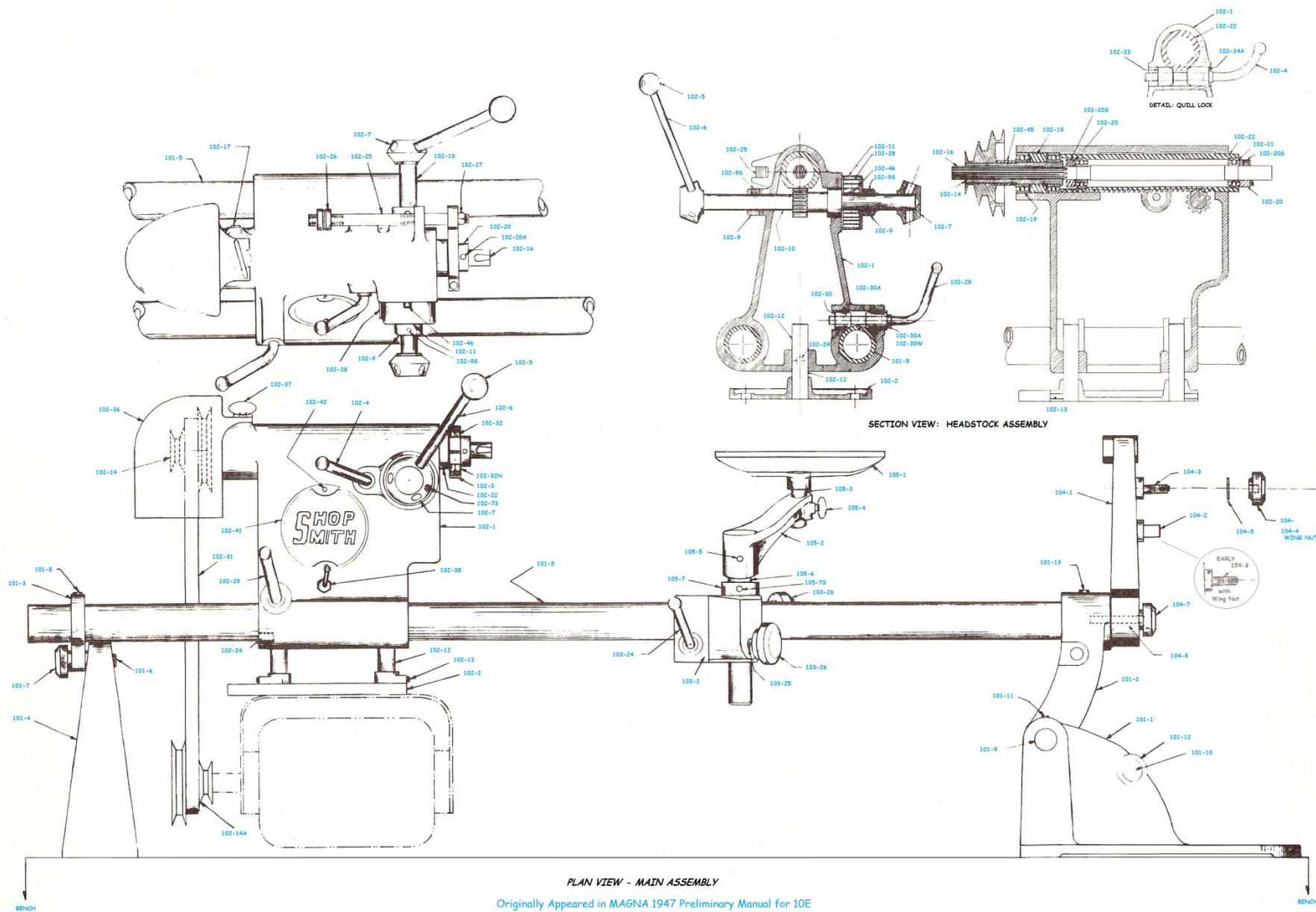
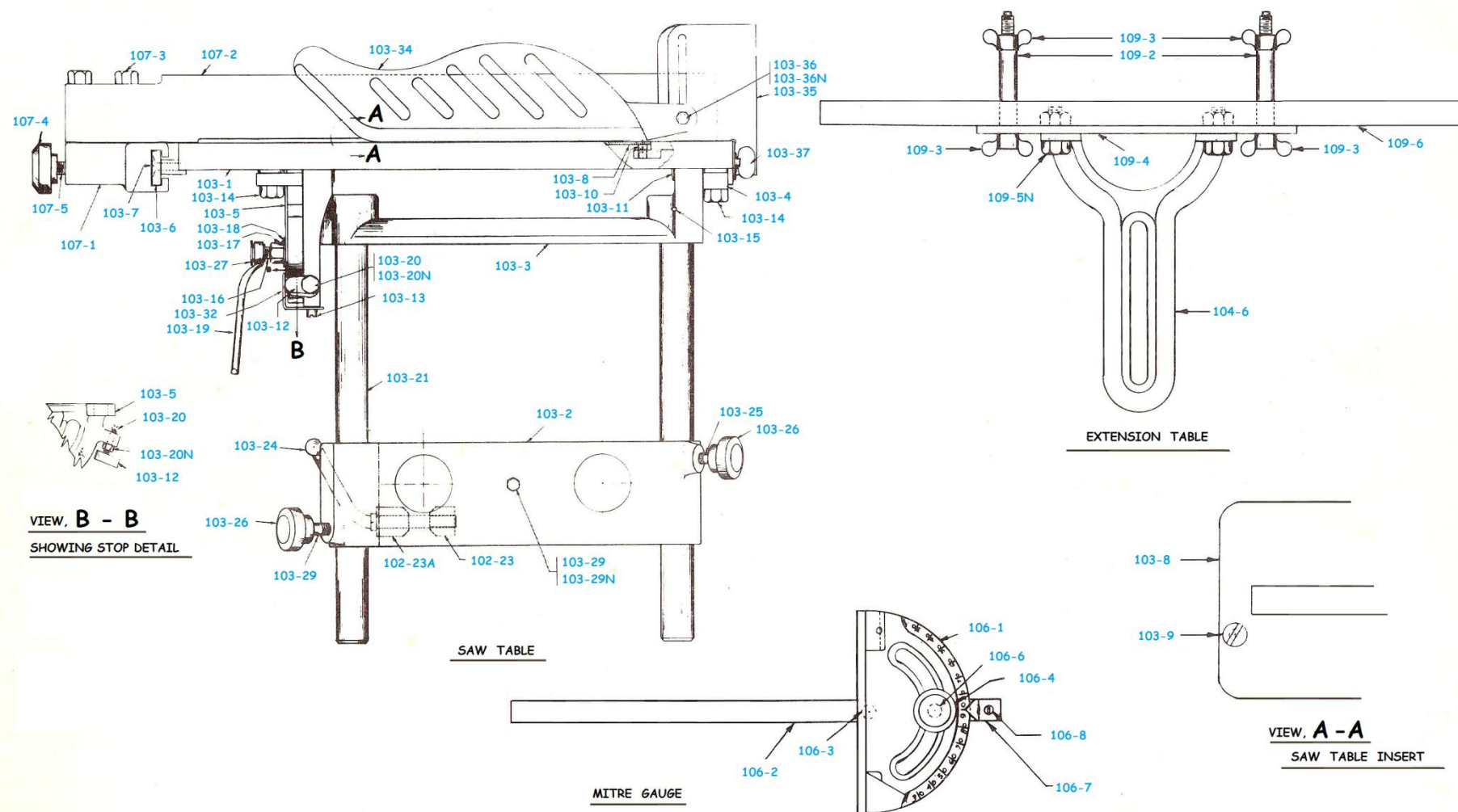


APPENDIX 1 - MAIN ASSEMBLIES Engineering Drawing



APPENDIX 2 - TABLE Engineering Drawing



Originally Appeared in MAGNA 1947 Preliminary Manual for 10E

APPENDIX 3 - WHERE TO GET PARTS TODAY

In one year from the time I am writing this, the MAGNA Shopsmith 10E as introduced in 1947 will be 70 years old.

While the Magna Engineering Corporation and the subsequent owners and manufacturers of this machine no longer exist, many of the machines themselves survive to this day and are in daily use by those of us who value what this remarkable machine is capable of as we strive to preserve, restore and use them.

Skip Campbell who lives in the Dallas / Ft. Worth area, and who is both the founder of the 10ER Shopsmith Users Group at Yahoo <https://groups.yahoo.com/neo/groups/Shopsmith10ERusers/info> and the owner of MKC TOOLS <http://mkctools.com/index.html> is arguably the Dean of the Shopsmith 10E and 10ER. You can reach him by Email skip@mkctools.com or Call 817-319-2297

He has extensive knowledge and has a number of parts that he manufactures, or sources used and restores, plus a host of new creative and adaptive modifications he builds for them.

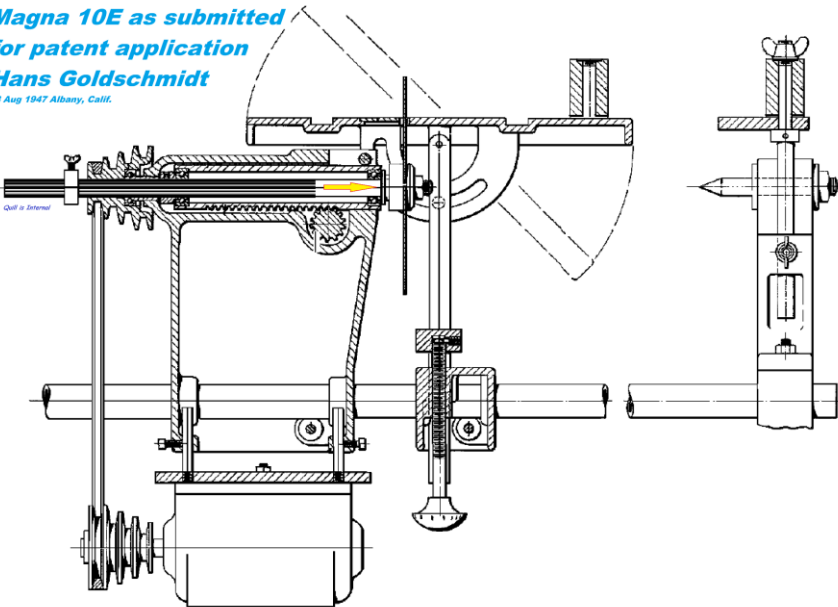
One can certainly get on eBay and find a good bit of parts that are available, but as a word to the wise, the machine you have may have been upgraded through the years and you need to know specifics of what piece you have and what you need to service or replace it. You need to join the Yahoo group where you will find many who freely offer help, and have parts that you can obtain to help you keep yours in top shape. Great folks there...

Do you have a 10E, an upgraded 10E, or a 10ER? Those are questions you can get the answers you need in the forum.

APPENDIX 4 - NOTES and COMMENTS

The Shopsmith multi-purpose woodworking machine was the invention of Hans Goldschmidt and with the help of a number of colleagues formed Magna Engineering Corporation in Menlo Park, California. The patent application for the machine was filed 18 Aug 1947 in Albany, California.

**Magna 10E as submitted
for patent application
Hans Goldschmidt
18 Aug 1947 Albany, Calif.**



The 10E (the original model produced) came from the concepts of the drawing at the left, though select items such as the 4 step pulley set shown was not widely produced in production, if at all. It came with a 3 step pulley system, and few other small changes.

The 10E was produced for use with a table extension with a top plate made of wood. The rip fence, as shown would fit the work table, and could be secured to the wooden table extension via two bolts and wing nuts as shown on the right.

The 10ER was a revised version of the 10E that we have discussed in this Owner's Guide, and Magna continued making dozens of production changes to the machine, and developing accessories during the seven (7) years of original manufacture.

The early adoption of the machine was enhanced dramatically when Montgomery Ward ordered 250 machines for their West Coast stores for Christmas of 1947. Response was so great that the department store chain made it a stocked item, nationwide, launching the Shopsmith all across America. This was the driving force that propelled the Shopsmith into a household brand for the DIY wood workers, home craftsmen, professional, and other woodworkers of all sorts.

The subsequent machine that came after 1953 (Mark 5) affectionately known as the 'Greenies', introduced in 1954 the most widely known profile of the Shopsmith that remains in production today.

For a starting point on the history of the companies (factually, several unrelated companies made this machine in its lineage through the years), please read: *Buying a Used Shopsmith – Revisited* which I wrote in 2015 which is an in-depth review of the machines, how to tell them apart, and a bit on servicing them using links, photos and comments from the Shopsmith Forums, submitted and written by actual users and owners.

See: https://www.shopsmith.com/ss_forum/viewtopic.php?p=185690#p185690

You need to be aware of the vast array of information that is contained in the forums, and I wholeheartedly invite you to become a member.... It's free. It is primarily focused on the newer gear 60 years old or less, but a good many owners have both vintages.

For those most interested in 10E and 10ER, one needs to join the 10ER Shopsmith Users Group at Yahoo.

<https://groups.yahoo.com/neo/groups/Shopsmith10ERusers/info>

Membership requires approval, but it is free as well.

My effort in this document has been to restore legible documentation that came in the **10E Owner's Guide** which is hard to find in original form, and the poor quality photocopied manuals you can spend good money for on eBay and other sites often with poor legibility, can be painfully hard to read and the illustrations, almost illegible.

For those of us who are optically challenged already (we don't see as well as we once did), this Restored guide is for you, and using PDF format, you can enlarge it to better view it.

USE THESE AND ALL TOOLS WITH DILIGENT CARE being mindful there are safer ways to accomplish some tasks today than are depicted in the Restored manual that follows.



One can use the Shopsmith as a Shaper or Router certainly, but there are safety features and functionality in Shaper / Routers today, not present in 1947 that you may want to consider.

Equally, many of the safety features today can be retrofitted to your Shopsmith in some manner to improve your safety operating it. The 4" Jointer is but one example. The design of the Jointer other than how it mounted had not changed materially for decades when Shopsmith (Magna) applied to patent theirs, 1 Jun 1951.

The same basic machine, as sold today, has the following safety features that can be added to your 60 year old one.

The Auxiliary Fence Kit 555655 (left) is just under \$70 and far cheaper than any emergency room visit I can imagine.

The blade cover and feather board, which can retrofit your 60 year old unit, has been standard equipment for some time

Feather-boards of all types are available to improve safety and you can order them today at Shopsmith 800 543-7586.

Think – Safety First – it can never be second.

Before you dismiss the notion that upgrading and acquiring the safety features is not for you, if you won't do it for yourself, consider the child or grand-child that will someday inherit your tools, just as perhaps you have. As you introduce that next generation to the joys and rewards of woodworking, teaching them today about safety and having them help you do those things together is a teaching moment you, and grandma can justify, believe me.

And, before you ask, the 10ER Owner's Guide is my next documentation restoration project. – Everett L. Davis

This 1947 restored MAGNA manual is donated without cost to the worldwide Shopsmith Community and is not to be sold.