

Oct 2017



EAA CHAPTER 145

SINCE 1962



Chapter Meeting: Saturday, October 14, 2017 – 6:00 pm
Riverview Airport (08C) in the big hangar

CHAPTER MEETING

The EAA Chapter 145 meeting for October will be a cookout and bonfire. We'll be starting at 6pm – in the Big Hangar. The meal will be in the Main Hangar, and then move to the bonfire by the pond. Bring a dish to pass, service, hamburgers, hotdogs & drinks will be provided. If you would like, bring a chair to sit around the fire.



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COLOR TOUR



Crisp, cool air is circulating throughout Michigan which means fall colors are upon us! Early to mid-October looks to be best time to get out and see the colors this year. The colors last only a few weeks so you'll need to get out while the air is smooth and the visibility and weather is good.



REDBULL AIR RACE - INDIANAPOLIS

The pilots will battle for World Championship points in the racetrack above the world's first purpose-built motor speedway, in an aerial racetrack designed to push them to their limits. Fans can see the adrenaline-packed action unfold above the Indianapolis Motor Speedway when the Red Bull Air Race touches down in Indianapolis on Oct 14-15.





AVIATION NEWS FINDER	FLIGHT PLANNING	FLIGHT TRAINING	FLIGHT SAFETY/ ACCIDENTS	AIRCRAFT OWNERS
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AVWEB AND AERO-NEWS are independent aviation news sources. They provide up-to-the-minute news for general aviation.

HINTS FOR HOMEBUILDERS

SPAR HOLE DRILLING JIG

by Edgar L. Cook
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Marstons Mills, MA 02648

Drilling holes through wing spars to bolt wing attach fittings or any other drilling operation that requires boring into one hole and precisely coming out another can be a difficult job without the right equipment. A simple jig that can be made out of a piece of 2x6 stud and a section of brake line will make the job easy, without a lot of fancy precision tools.

Make a yoke out of a piece of 2x6 stock that has a throat wide enough to span the thickness of the spar with the attach fittings clamped in place, leaving about 1/16 inch clearance. As an example, my miniMax spar is 1-1/6 inches thick and each attach fitting is 3/16, so I cut the throat 1-1/2 inches wide. The material on one side of the throat should be at least 1-1/2 inches wide and the other 1 inch. The length of the piece of stock then will be the throat width, plus 2-1/2 inches. To allow the jig to reach all drilling locations, the throat will have to be deep enough to allow the two legs

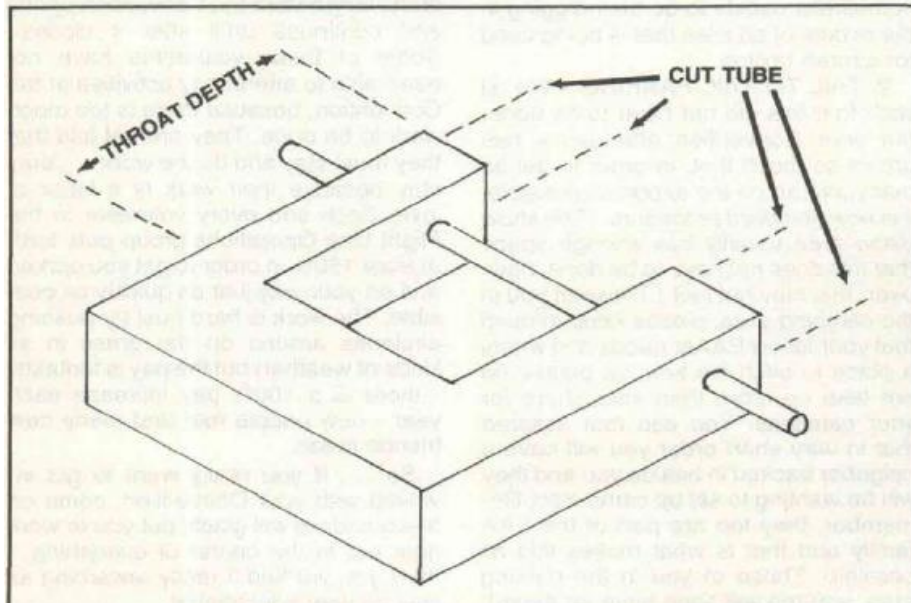
to extend at least 3/4 inch beyond the desired spar hole position farthest from the edge of the spar.

The drill guide itself is a piece of steel tube that has an ID the same as the required hole diameter. In some cases, a piece of flared rigid brake line will do the trick. I found that 5/16 rigid brake or hydraulic line from an auto parts store that cost \$1.50 had exactly 1/4 ID. Buy a piece the next size longer than your jig. Make sure that the piece is straight so the drill won't bind. Cut the flare off one end of the tube.

To install the tube in the jig, mark a location on the center line of each leg about 3/4 inch from the end. Drill a hole in each leg large enough to accept the guide tube. The two holes should be aligned with each other so that the tube can be slipped through one and out the other. Alignment isn't critical. If the holes don't line up exactly, file away

until they do. Now glue the tube in place, making sure that your long drill bit will slide all the way through without binding. After the glue has set, hacksaw out the piece of tube in the throat of the jig and the excess extending beyond the jig legs. If you slide the drill bit through now, it will exit one leg and exactly enter the opposite side.

Now, to use the jig, slide it over the spar so that the guide tubes line up with the holes in the clamped attach fittings. Insert the drill bit mounted in a handheld drill through one of the guide tubes and into a fitting hole. On the opposite side, insert an identical size indexing drill bit backwards through the guide tube and into the attach fitting hole. Now start drilling. When the drill goes through the spar, it will come out through the opposite attach fitting by pushing out the indexing bit and entering the guide tube. It is important not to put any side pressure on the drill while boring because you can force it off course. However, if the guide tube is a snug fit, the hole will be accurate. If your drill bit isn't quite long enough to go all of the way through a thick spar, the jig will allow you to drill from opposite sides and the two holes will meet in the middle.



PRESIDENT'S CORNER

Recruiting new members is a common goal for many EAA chapters. Through the Chapter Trial Membership program, we could give prospective chapter members a free 6-month EAA general membership trial, which includes the full set of EAA membership benefits at no cost.

All we have to do is identify individuals who have shown an interest in aviation, a chapter representative visits www.eaa.org/chaptertrial and enters the prospect's information to enroll him or her in the free trial membership. Is that simple or what?

This is truly a full EAA membership as newcomers will receive EAA Sport Aviation magazine, access to the members-only area of the website, membership discounts on programs like EAA SportAir Workshops, EAA AirVenture Oshkosh, and more.

Let's identify some people around Riverview, so I can give them a free EAA membership. Let me know who you find, Dick

YOUNG EAGLES

There is a Young Eagles event at Park Township airport (HLM) on October 14. The US Coast Guard Auxiliary – Holland Flotilla will be hosting a Pancake Breakfast and Fly-in at Park Township Airport.

EAA145 HANGAR

-Herb Harney is working on fitting the electronic instrument panel in his RV-8.

-The Chapter now has a form for members to fill out if they want to put a project in the hangar.

-Hangar space is available for anyone working on a project. Contact Dick Foster for details.

NEXT MONTH – SAVE THE DATE



Aviation weather and traffic receiver based on RTL-SDR.

Chris Young of STRATUX, will be here next month to tell us about the recent updates, and new features of low cost STRATUX ADS-B. That will be November 11th at 10:00am. The addition of (AHRS) Attitude Heading Reference System will give the pilot the ability to have a glass cockpit like the big guys.

<http://stratux.me/> or <https://github.com/cyoung/stratux> for more info.



EAA Chapter 145 website: www.145.eaachapter.org

EAA National website: www.eaa.org

Riverview Facebook: www.facebook.com/pages/Riverview-Airport/115468211816419



UPCOMING EVENTS

Oct 14	Riverview Airport (08C)	Meeting – Bonfire Cookout
Oct 14	Park Township (HLM)	Dawn Patrol Fly-In
Oct 14	Gaylord (4Y4)	October Color Run
Oct 14-15	Indianapolis Speedway	Redbull Air Races
Oct 15	Watervliet (40C)	Dawn Patrol Fly-In
Nov 11	Riverview Airport (08C)	Meeting – Chris Young – STRATUX ADSB & AHRS
Dec 9	Riverview Airport (08C)	Meeting – Christmas Brunch

If you know of events that should be on the event calendar, please e-mail them to me

If you would like to be on the e-mail list for meeting and event reminders, or if you would like to receive the newsletter electronically, which is full color and delivered days before the print version... please send your e-mail address to:

randall.houtman@dematic.com

The 2017 Officers for EAA145:

President, Dick Foster
(538-8849 c172foster@gmail.com)

Vice President, Bruce Whitman
(897-9846 bwhitmanpe@gmail.com)

Secretary/Treasurer, Bob Swietek
6962 Bridgewater Dr. SE
Grand Rapids, MI 49546
(676-2951 airdale69@aol.com)

Newsletter Editor, Randy Houtman
(randall.houtman@dematic.com)

Treasurer’s Report: (As of Oct 3st)

Liabilities: \$3500.00
Cash: \$95.85 Checking: \$74.71
Savings: \$5035.20 Total: \$5205.46

Website Editor, Bill Willyard
(wgwillyard@att.net)

EAA CHAPTER 145 MEMBERSHIP APPLICATION / RENEWAL FORM

DUES ARE \$35.00 PER YEAR – JANUARY 1st to DECEMBER 31st

Name _____ Co-Pilot / Spouse _____ Address _____ City _____ State / Zip _____ e-mail address _____ Home Phone _____ Work Phone _____ National Membership # _____	Aircraft Owned _____ _____ Projects / % Complete _____ _____ Bring this form to the next meeting or mail to: EAA Chapter 145 Treasurer 6962 Bridgewater Dr. SE Grand Rapids, MI, 49546
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Experimental Aircraft Association – Chapter 145 – Grand Rapids, Mi



RIVERVIEW
ANNUAL
COOKOUT
BONFIRE



Saturday October 14, 2017

Main Hangar at 6:00 p.m.

The meal will be in the main hangar, and then move to the bonfire by the pond.

- ▶ Bring a dish to pass
- ▶ Service, hamburgers, hotdogs and drink provided.
- ▶ Bring a chair to sit by the fire
- ▶ Family and friends invited

Riverview Airport (08C)
805 Taylor St.
Jenison, MI 49428