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## Show calendar :

Sun-n-Fun April 10-15

Air Venture July 23-29

AOPA Santa Fe Sept. 14-15

AOPA Carbondale, IL Oct. 5-6

AOPA Gulf Shores, AL  
Oct. 26-27

Keep an eye on the WACO  
website for more dates

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## The New WACO YMF-5F.....is AWESOME ! - What's under your tree for Christmas?

*Did I mention that the new WACO YMF-5F won FIRST PLACE for a single engine airplane in the Fastest Takeoff contest at the Tavares Monster Splash ?*

The new amphibious WACO has been performing great. Water and land performance is excellent, it has greatly exceeded our expectations in all areas!

Recent media articles here: (the logos are hyperlinked, text links on next page)



The aviation media folks and customers have been blown away by the new Waco's performance and style. (continued next page)

## Air Journey –WACO flight to South America

“Me—Myself” words from my daughter when she was younger, not wanting help with anything and ready to prove to all that she could do whatever she wanted. Her name is Megan and I have no doubt that she will be the first female president of the United States. Along those lines, the U2U rally has selected participants using criteria that was unfavorable to WACO owners. We have decided that we can do it better ! To that end we have engaged the folks at Air Journey to organize a once-in-a-life time experience for WACO pilots to Central and South America . The proposed journey takes us from Key West to Cuba, the Yucatan, Belize, Costa Rica, Panama, Honduras, Guatemala, and Columbia. While the trip planning is still in the very early stages, we are soliciting input from WACO customers and pilots as to the route and other planning details. (Continued page 5 top)



## What's under your tree ? The YMF-5F

In addition to the above articles, look for feature stories in the print versions of AOPA pilot, EAA Sport Aviation, Flyer UK, Flying , Plane & Pilot and more in the coming months.

With nearly 150 hours on the factory aircraft, we have identified some minor changes that will be incorporated into future production. They include a step below the wing on the right side and additional steps inside the inner cowl doors for fueling in the absence of a ladder. In addition we are making the Garmin AERA 795 the standard moving map replacing the iPad that is installed in the demo aircraft. Complete specifications for 2018 can be found here: [www.WacoAircraft.Com](http://www.WacoAircraft.Com)

The airplane is spending the next month in Texas and will be available for demo flights. Please contact Scot Warren at: [Scot@WarrenAircraft.com](mailto:Scot@WarrenAircraft.com) or call him at 940-367-0929. We expect the airplane to be back in Florida sometime in late January for more demos there, and magazine photo shoots that are scheduled in February and March. Links to Articles:

<https://www.aopa.org/news-and-media/all-news/2017/november/15/waco-amphibious-biplane-a-mind-bender>

<https://www.avweb.com/videos/Crazy-Fun-in-Wacos-Biplane-on-Floats-229936-1.html>

<http://seaplanemagazine.com/2017/11/18/flying-the-waco-ymf-5f-floatplane/>



Lakeside Inn, Mt, Dora Fl.



Lakeside Inn, Mt, Dora Fl.



Gull Lake Yacht Club, Richland, Mi



Gull Lake Yacht Club, Richland, Mi



## The new Garmin G 500 TXi—now available for 2018 WACO's

Boasting a clean-sheet touchscreen design and vibrant presentation, the TXi family incorporates greater situational awareness tools and an innovative feature set into a contemporary avionics platform. Three displays are available, offering optimal flexibility for panel configurations, including a large 10.6-inch display, and two versions of 7-inch displays, in portrait and landscape orientations. The 10.6-inch display can operate as a primary flight display (PFD), multi-function display (MFD).



The TXi family incorporates a familiar touchscreen design with modern processors that support improved map and chart rendering, faster panning and contemporary single-finger zoom and pinch-to-zoom gestures. Through any combination of the touchscreen or dual concentric knobs, pilots can quickly access and view flight information at a glance. Modernized displays and large fonts offer improved readability, while the simplistic user-interface helps reduce overall pilot workload. Pilots will also appreciate a familiar in-flight experience behind the TXi series as the user interface is harmonious with multiple Garmin products, such as the GTN 650/750 touchscreen navigators.

## More cool equipment from Garmin—the G5

Garmin made big news with the announcement of G5, and it's easy to see why. The compact and cost-effective G5 electronic flight instrument delivers exceptional performance and reliability as a standalone primary source for aircraft attitude information - it's more than a backup. It also displays secondary information, such as airspeed and altitude, to offer enhanced situational awareness.

### Features:

- Replaces traditional electromechanical attitude indicator or turn coordinator
- Integrates with your aircraft's existing pitot/static system
- Bright, sunlight-readable color screen (3.5" LCD)
- Fits standard 3 1/8" instrument hole for easy installation
- Includes 4-hour backup battery with status indicator





## Seaplanes Pilots Association—The best resource for seaplane information and advocacy

The Seaplane Pilots Association's primary focus is to promote safe seaplane operations and to protect our privilege to share our nation's waterways with recreational, governmental and commercial operators. The staff, field directors and members work around the nation to ensure our fair access to water flight. SPA is the only organization in the world solely dedicated to working these issues for seaplane pilots and operators at a local, state and national level. We do this by working with pilots, communities and governing agencies to resolve conflicts and insure fair and equal access through positive outreach, that includes educating policy makers and the public through educational programs and videos so that these decisions can be made from an informed perspective verses ones made on assumptions by those not familiar with seaplanes and seaplane operations.



More information at: [Seaplanes.org](http://Seaplanes.org).



Safety Notice SN-044

### Hydraulic Landing Gear Safety

Applicable Aircraft: Waco YMF-5F

Serial numbers: 82, 154 and onward when equipped Amphibious Floats.

Issued: December 18, 2017

The WACO YMF-5F is equipped with an Electro hydraulic landing gear system. Pilots are encouraged to visually inspect the integrity of the hydraulic system prior to each flight and be on the lookout for fluid leaks or unusual operation of the system. If a leak or unusual function is noted, contact a properly qualified mechanic to investigate and take corrective action.

While in flight, if it is ascertained that a mechanical failure has occurred and the gear will not achieve either a Gear Up or a Gear Down position with visual confirmation, the best course of action will be dependent upon the nature of the failure and the choices of landing surfaces available.

In the unlikely event that a landing gear has failed in an intermediate position, and cannot be moved to either a Gear Up or Gear Down position, the amphibian should be landed on land only, optimally on a grass runway, into the wind, with emergency personnel at the ready.

**WARNING - DO NOT** land in the water with the wheels either partially or fully extended. If the landing **MUST** be accomplished on water and the gear is partially or fully extended, it is suggested that a power-on full stall landing would be the best procedure. During deceleration after touchdown, with the gear extended, the float bows will submerge and there is a high probability of flipping the amphibian onto its back causing either fatal or serious injury. Always consult the aircrafts AMF (POH) and Supplements for detailed information on emergency gear operations.



## Air Journey –WACO flight to South America (cont.)

We have established a communication forum for both pilots and the Air Journey folks to trade ideas and express interest. See here: <https://www.wacoaircraft.com/forum>

It's sure to be an incredible trip and great opportunity to see the world from a biplane !

## WACO Forums—Great Place to Exchange Ideas

WACO has a new pilot and fan forum here: <https://www.wacoaircraft.com/forum>

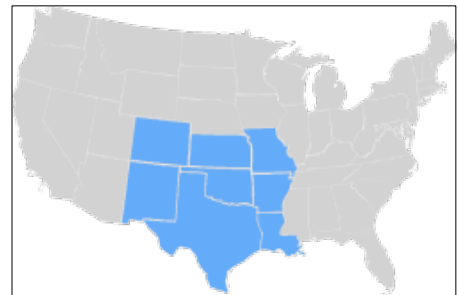
Topics include the upcoming Air Journey trip, the float plane and model improvement suggestions.

Do you have another topic suggestion, just email us and we will add it.



Scot Warren has been hard at work fine-tuning his aerobatic skills in a new Great Lakes. You can find some recent videos at the WACO website here: <http://www.wacoaircraft.com/about> Or [https://www.youtube.com/watch?v=MEHTy\\_r9JQw](https://www.youtube.com/watch?v=MEHTy_r9JQw)

Scot is our Dealer in Texas and surrounding states. Email: [scot@warrenaircraft.com](mailto:scot@warrenaircraft.com)



WACO's part time team:



Oreo



Romo



Ginny







## Whats in the Factory:



NEW YMF-5D for customer in Canada



NEW YMF-5D - Landing gear tomorrow !



NEW YMF-5D—waiting on new G500TXi to arrive



1930's Wings getting repaired and updated.

Great Video of a NEW Great Lakes going together at the WACO Factory.

Link: <https://www.youtube.com/watch?v=Z6DPUEpeA8Q>



## So I decide to order an airplane, what happens next?

To start the process, customers generally have a discussion with a member of the WACO customer service team to review general specifications, estimated delivery and other details.

Here's a summary of the process:

- 1) Your choice of aircraft model is made; Great Lakes 2T-1A-2, YMF-5C, YMF-5D (VFR or IFR) or the new YMF-5F amphibian.
- 2) WACO prepares a detailed aircraft quotation and purchase documents for your review.
- 3) You return a signed purchase agreement and deposit.
- 4) WACO assigns a serial number, start date and monthly payment schedule.
- 5) WACO establishes a construction progress web page exclusively for you. This site allows you to track the construction process and to share other project details like paint schemes and instrument drawings.
- 6) Your decision on paint scheme details, interior colors and materials and other finishes is made. During this process WACO will paint samples of your chosen color scheme and ship them to you. This allows you to see the actual paint that will be used on your new aircraft and in various lighting conditions.
- 7) WACO avionics department will send you an instrument panel drawing for your review and approval.
- 8) As the project nears completion, a WACO documentation specialist will work with you on registration and acceptance paperwork. Additionally, your WACO flight instructor will contact you to coordinate flight training logistics. Training can happen here at the factory or your location, or both.

## FAQ

Q: Can I change or add options while the airplane is being built?

A: Yes, we can generally integrate changes and will work with you to accommodate them.

Q: Can I visit the factory while my airplane is being built?

A: Absolutely. If you're considering a long term stay we can assist with lodging and other logistics.

Q: Can I land at the WACO factory?

A: Absolutely, we are located at the Kellogg Battle Creek Airport. Identifier: KBTL. The ramp at WACO can accommodate aircraft as large as a 737/ BBJ. In addition, US customs are available on a call-out basis. 100 LL fuel is available via truck or self service and Jet fuel is available via truck.

Q: How about weekends?

A: Sure, but please arrange in advance with the factory.







## The New 2018 2T-1A-2 by WACO

### Improvements made to new production aircraft



- More Space, the pilot seat was moved back four inches and reclined
- Aluminum side skins are more rugged and damage resistant than the older fabric sides and are easily removed for improved servicing
- NEW PPG Aerospace paint offering more color options and lighter weight
- Standard TRIG TY91 Radio and TT22 Mode-S Transponder
- Relocated COM 1 antenna providing for better communication range
- JPI-930 color engine monitor and performance computer
- New lighter weight tail wheel and main wheel assemblies
- Hooker Aerobatic seatbelts
- Air filler doors on wheel pants improve safety by allowing for easier access
- Stainless Steel exhaust
- Upgraded 406 MHz ELT
- Improved adjustable rudder/brake pedals for tall pilots improves rudder feel & function. New toe brakes in pilot cockpit replace heel brakes
- All frames are fabricated using German tubing that has been precision cut on a CNC tube cutting machine
- New Heater design and firewall blanket. Improve both summer and winter flying comfort
- LED strobe lights on upper wing and LED beacon.
- Concord sealed aerobatic battery
- Improved fuel tank design and electronic gauge
- Taller windshields improve cabin comfort
- New cowlings is both lower, improving forward visibility, and more aerodynamic, improving performance
- Standard inverted fuel and oil system
- Redesigned "Zero Maintenance" Oleo strut landing gear
- Improved cabin ergonomics that features larger map storage (sized for an iPad), cup holder, and new arm rest







The engineers and artisans here at WACO continue to refine and improve the YMF-5D. For 2018 customers can expect the following:

- Revised Heater for Pilot and Passengers
- NEW PPG Polyurethane paint offering more color options and lighter weight
- Standard in IFR spec YMF-5Ds the new Garmin GTN-750 and GTN-635 Touchscreen GPS and enhanced base avionics
- NEW MT Constant Speed Propeller Option
- Larger pilot side foot step accommodates larger shoes
- New lighter weight tail wheel and main wheel assemblies
- New one-piece wing root fairing provides for a cleaner look and lighter weight
- Optional camera mount on upper vertical stabilizer
- Air filler doors on wheel pants improve safety by allowing for easier access
- New Carbon Fiber engine baffles
- New "Safety Throttle" in front cockpit
- All 300 HP Engines now feature New Production aluminum cases and long 1400 hour TBO
- Improved adjustable rudder/brake pedals for tall pilots and a new closed loop rudder cable system that improves rudder feel & function
- Pilot seat adjustment now uses a gas piston, replacing maintenance prone bungee system
- Upgraded 406 MHz ELT
- All frames are fabricated using German tubing that has been precision cut on a CNC tube cutting machine
- Under skin seals have been improved to enhance pilot and passenger comfort in cold weather and help minimize heat intrusion during warmer times
- Increased front cockpit space
- Improved LED strobe lights and landing lights
- Concord sealed batteries now standard
- Improved engine hoses and connections
- New "Zero Maintenance" trim system
- Find complete specs here: <http://www.wacoaircraft.com/waco-ymf-5>

