

## Impact-Resistant Windshields



R44's impact-resistant windshield.

In May, Robinson introduced optional impact-resistant windshields for R22, R44, and R66 helicopters to provide protection from bird strikes. Robinson based the impact-resistant design on FAA requirements governing large transport category helicopters.

The new windshields are constructed of tough, energy-absorbing polycarbonate (standard windshields are made of acrylic) and installed with distinctive retention hardware. A special hard coating provides protection from scratching and weather degradation.

Tests demonstrated the R22's windshield provides protection at impact speeds up to 90 knots, while the R44 and R66 windshields provide protection at impact speeds up to 100 knots.

No special maintenance or inspections are required, although a cabin cover is recommended for prolonged outdoor exposure.

## Electronic Ignition for R22 & R44s



R44 Cadet flies along the Southern California coast.

**R**22 and R44 helicopters purchased after January 15th will be outfitted with Lycoming's recently certified Electronic Ignition System (EIS). The EIS offers increased reliability, improved starting characteristics, and reduced maintenance.

The EIS installation replaces the left starting magneto. The remaining right magneto provides redundant ignition and eliminates the need for a backup power supply. EIS has very high spark-energy for easy engine starts and eliminates internal moving parts for increased reliability.

EIS is designed to last the life of the engine with no scheduled maintenance between overhauls, eliminating the required 500-hour inspection. Robinson's Technical Support Supervisor, Pat Cox, noted, "The EIS will make the technician's job easier and will help reduce unscheduled maintenance."



R22 training flight at Torrance airport.

### This issue features:

- Ghostbusters .....p2
- Shadin Fuel Flow Meter - New for R66s .....p3
- New Options.....p3
- RHC Customer Service & Tech Support #1 .....p3

## Robinson Dealer Novictor Donates Masks



Molokai General Hospital President Jan Kalani-huia (right) & Novictor's Nicole Vandelaar (right).

After *Hawaii News Now* reported in April that Molokai General Hospital was in desperate need of personal protection equipment, Robinson dealer, Nicole Vandelaar, CEO and Chief Pilot of Novictor Helicopters, (Honolulu, Hawaii) located 150 of "The Viper" masks at Michigan manufacturer, Dream Lab Industries.

Dream Lab expedited the shipment to Hawaii. Because Molokai is a short distance (47 nm) east of Honolulu, Vandelaar and assistant pilot Bastian Hagspiel were able to deliver the masks, via R44, to Molokai General Hospital in less than an hour.

"The hospital was so appreciative and excited that we came by helicopter," said Vandelaar "and we were happy to help."



## Ghostbusters

R44 Clipper II owner and pilot Nick Moran of Go Fly Maui is working with Love The Sea and a consortium

of ocean environmental groups using an R44 to spot ghost nets and tag them with GPS beacons.

Ghost nets are commercial fishing nets that have been lost, abandoned, or discarded at sea, creating a hazard to marine animals, coral reefs, and boat propellers.

Locating and removing the nets is difficult because of ocean currents that carry them vast distances.

When a net is spotted, Moran hovers his R44 above it. Love The Sea Executive Director, Campbell Farrell, sitting in the aft right seat with the door removed, lowers a steel cable with an attached GPS beacon which has several hooks attached to snag the net. Once the GPS beacon is securely attached to the net, Farrell releases the cable. The GPS beacon is then tracked by a boat that hauls the net safely to shore. The net and the debris tangled inside will eventually be burned to generate electricity.



Love The Sea's Campbell Farrell looking for ghost nets from Go Fly Maui's R44 Clipper II.

## And Away They Go

It's not unusual for jockeys to ride more than one mount in a day, but not many ride at two different race tracks over 70 miles apart with relatively little time between races. But that's what jockey Gavin Seehan did with the help of an old friend and an R44.

Seehan was to ride *Rouge Vif* at Warwick Racecourse at 2:05 and then ride *Bannerkingrebel* at 3:35 at Newbury Racecourse, 90 minutes away by car. For help, Seehan reached out to Ollie Garner, a former jockey turned helicopter pilot. Garner got into flying after his best man gifted him and his bride a helicopter ride. Garner soon became hooked stating, "It is the only thing that has remotely replaced the adrenalin buzz of riding."

Garner was glad to help. He rented an R44 (G-OHAM) from former Top Gear star Richard Hammond and flew Seehan to the Newbury Racecourse arriving well before post time.



Ollie Garner, pilot and jockey.

# 2021 RHC CALENDAR

It's never too early to think about photos for next year's Robinson calendar. Remember, photos need to be high resolution, landscape format preferred. You are welcome to submit as many photos as you want. Send photos to [pr@robinsonheli.com](mailto:pr@robinsonheli.com). Let's see your helicopter in action.



On 15 January 2021, Robinson will eliminate paper revisions to all Maintenance Manuals and Illustrated Parts Catalogs. Subscribers will be notified by email when an update is posted to [www.robinsonheli.com](http://www.robinsonheli.com). Please make sure Robinson has your current email address. Send to: [subscriptions@robinsonheli.com](mailto:subscriptions@robinsonheli.com).

## Shadin Fuel Flow Meter – New for R66s



Fuel flow data displays on the Garmin GTN 750Xi.

Robinson is now offering Shadin Avionics' fuel flow meter on new R66s equipped with Garmin GTN 6xx or 750 GPS navigators. The fuel flow meter provides real-time fuel flow data to the GTN which in turn displays the fuel consumption rate along with fuel range rings on a moving map. Fuel used, fuel remaining, fuel to destination, and other real-time information is also available on accessory pages.

The installation adds approximately 2 lbs to the aircraft's empty weight and lists for \$6,800.



## Steps for R66



Steps installed on the R66.

To assist travelers entering and exiting the R66 cabin, Robinson added steps to its R66 options. Made of steel and aluminum with a nonslip surface, the steps are sold in pairs, forward or aft, for \$1,200 per pair. Each pair weighs 1.2 pounds (.544 kg) and includes a right-side and a left-side step.

## RHC Customer Service & Tech Support #1 Again



Robinson's 2020 Customer Service and Technical Support Representatives.

Robinson again scored number one in *Professional Pilot's* Helicopter Product Support Survey, piston category. This marks the 17th consecutive year Robinson ranked number one in this category. Robinson achieved an overall product support score of 8.48, the highest product support score of any helicopter company in the 2020 survey - piston or turbine. Robinson also received its greatest improvement for service satisfaction with a score of 8.71 compared to 8.42 in 2019. During this challenging time, Robinson's customer service and technical staff continue to support dealers and operators around the world.



## Panel Option



R22 version of new 8-hole panel.

A new 8-hole instrument panel that accommodates either the Garmin GTN 635Xi GPS/COM or GTN 650Xi GPS/COM/NAV is available for all helicopter models.

The GTN is conveniently positioned in the center of the instrument console, providing easy access for the pilot and co-pilot.

Prices of the panel with either a GTN 635Xi or a GTN 650Xi are \$15,700 and \$19,400, respectively.



Robinson delivered three R44 Cadets and three R22s to Robinson dealer General Aviation Services of Hunan, China. This marks the first delivery of an R44 Cadet to China.



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