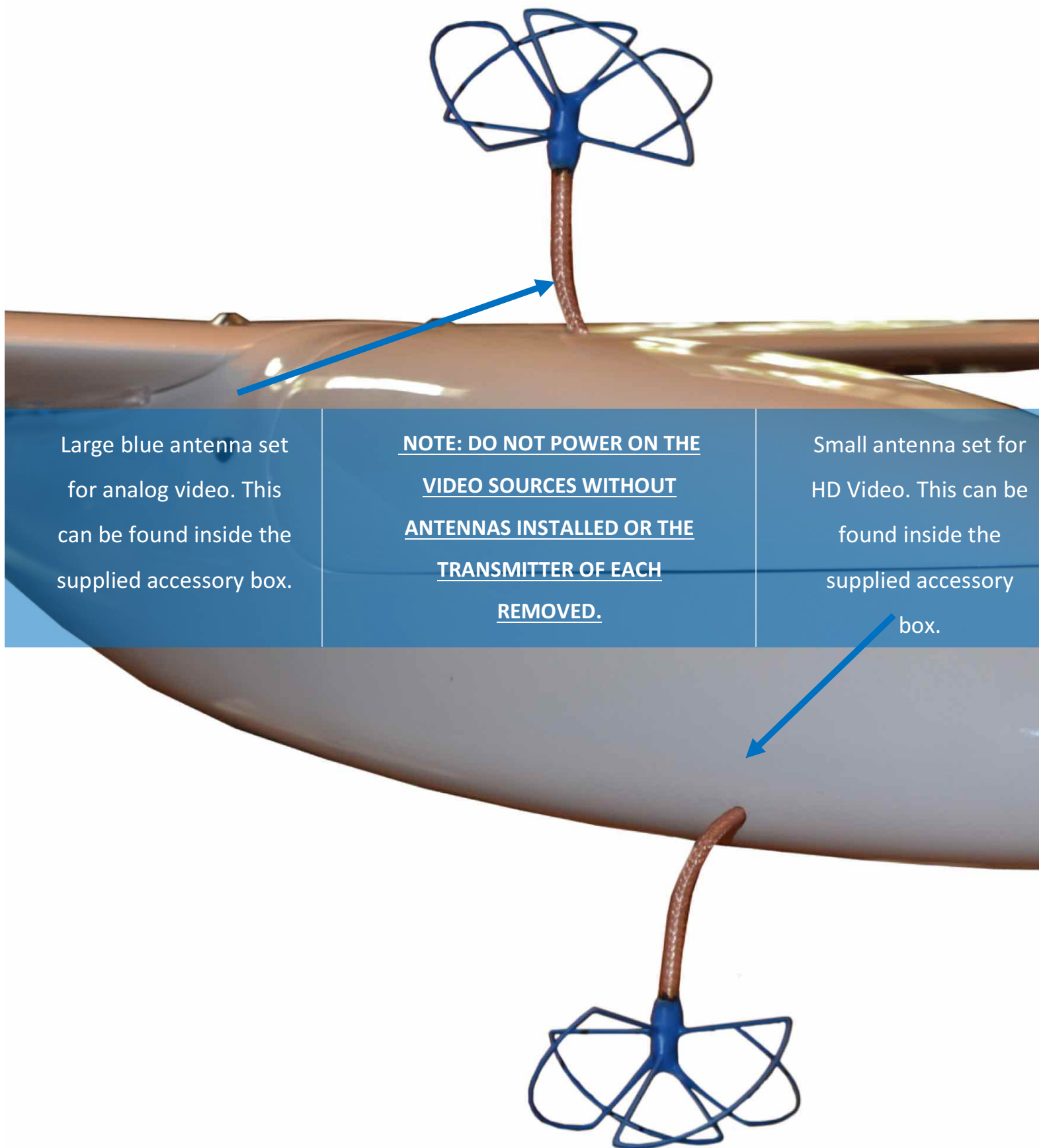




ALBATROSS UAV

SUGGESTED SET UP: AVIONICS

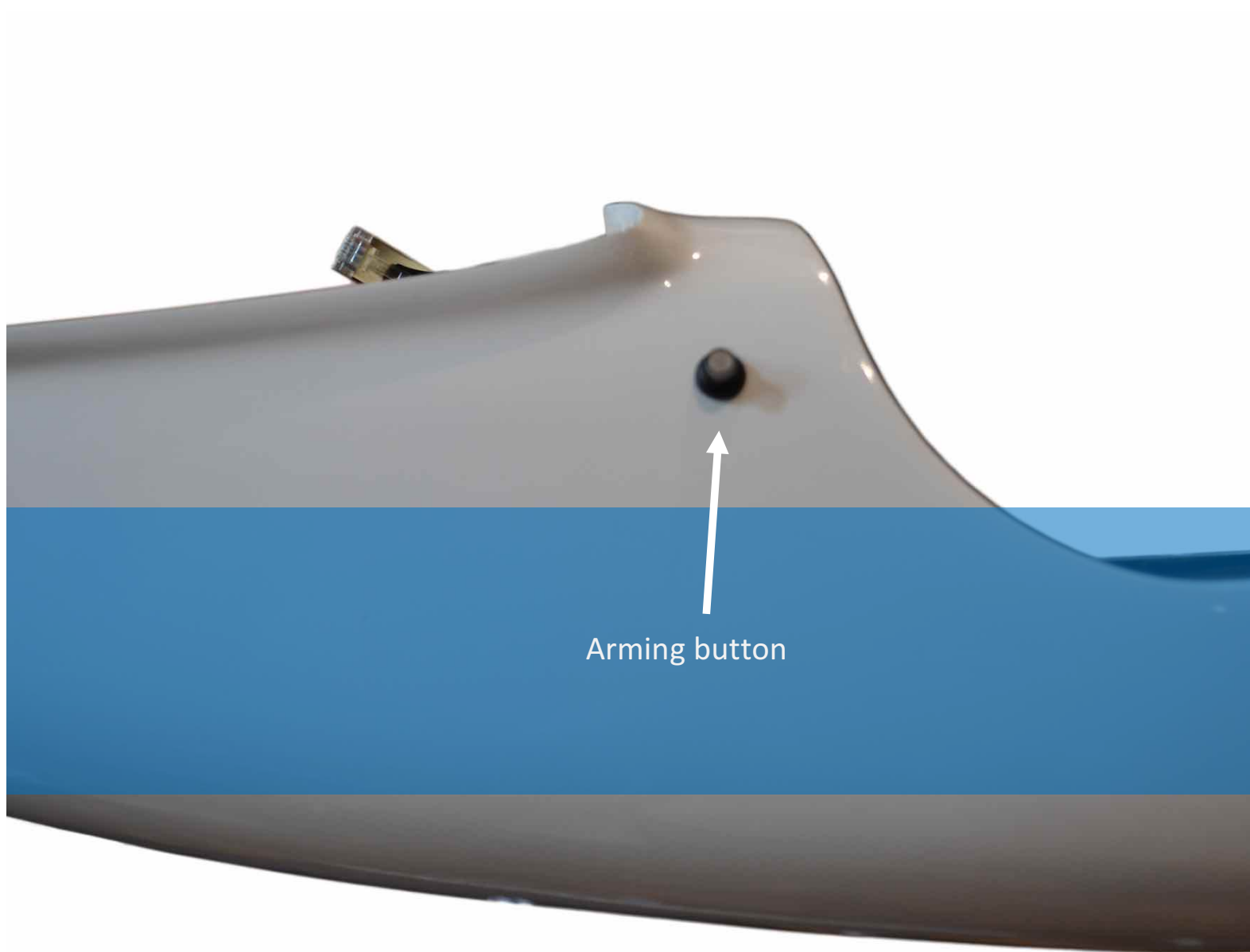
Applied Aeronautics. Revision 1.1



Large blue antenna set for analog video. This can be found inside the supplied accessory box.

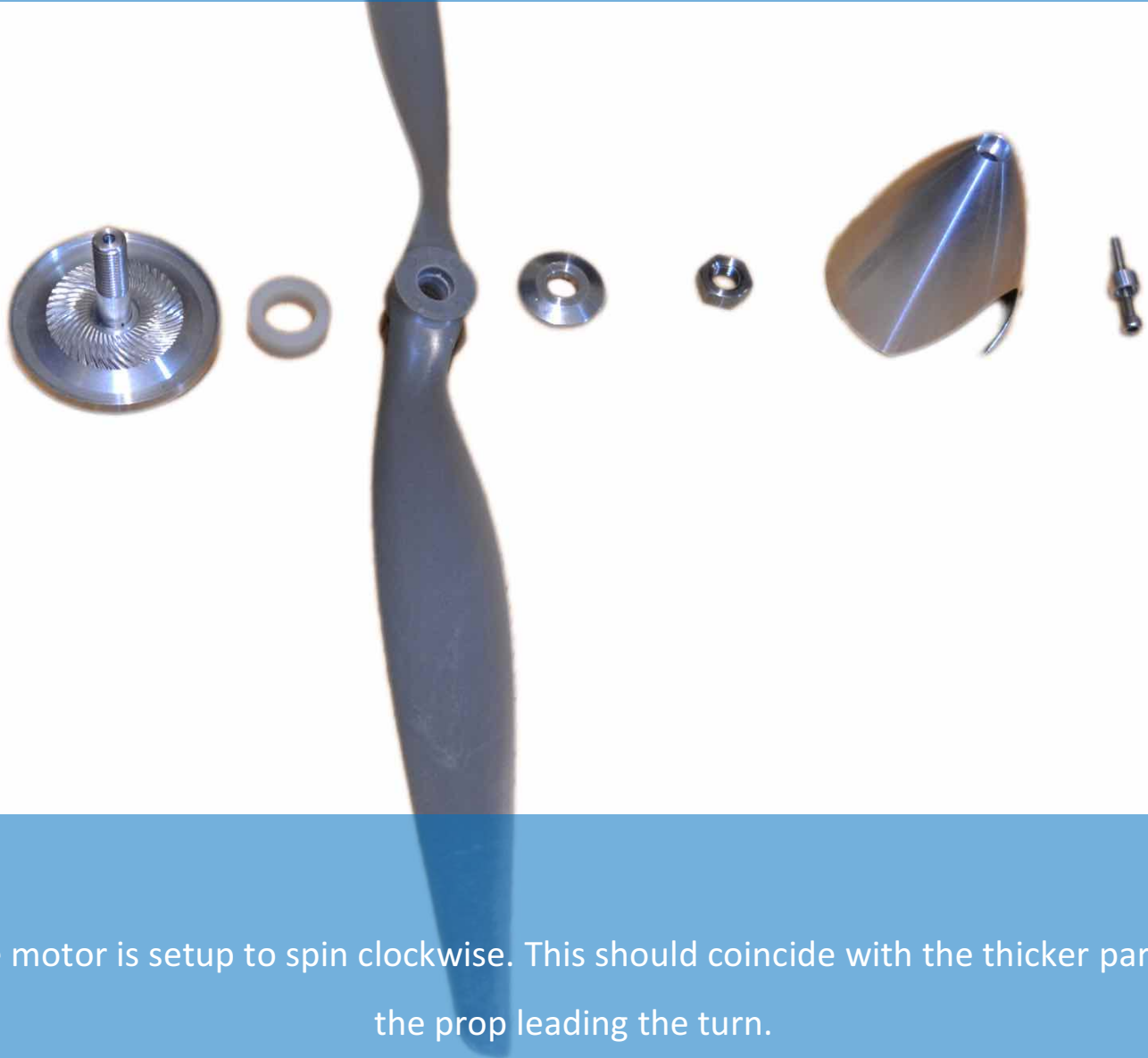
NOTE: DO NOT POWER ON THE VIDEO SOURCES WITHOUT ANTENNAS INSTALLED OR THE TRANSMITTER OF EACH REMOVED.

Small antenna set for HD Video. This can be found inside the supplied accessory box.



SPINNER AND PROP CONNECTION ORDER: Prop must be mounted backwards so small writing on prop hub is pressed against the white nylon spacer.


Direction in photo is correct. The prop is in the accessory box.



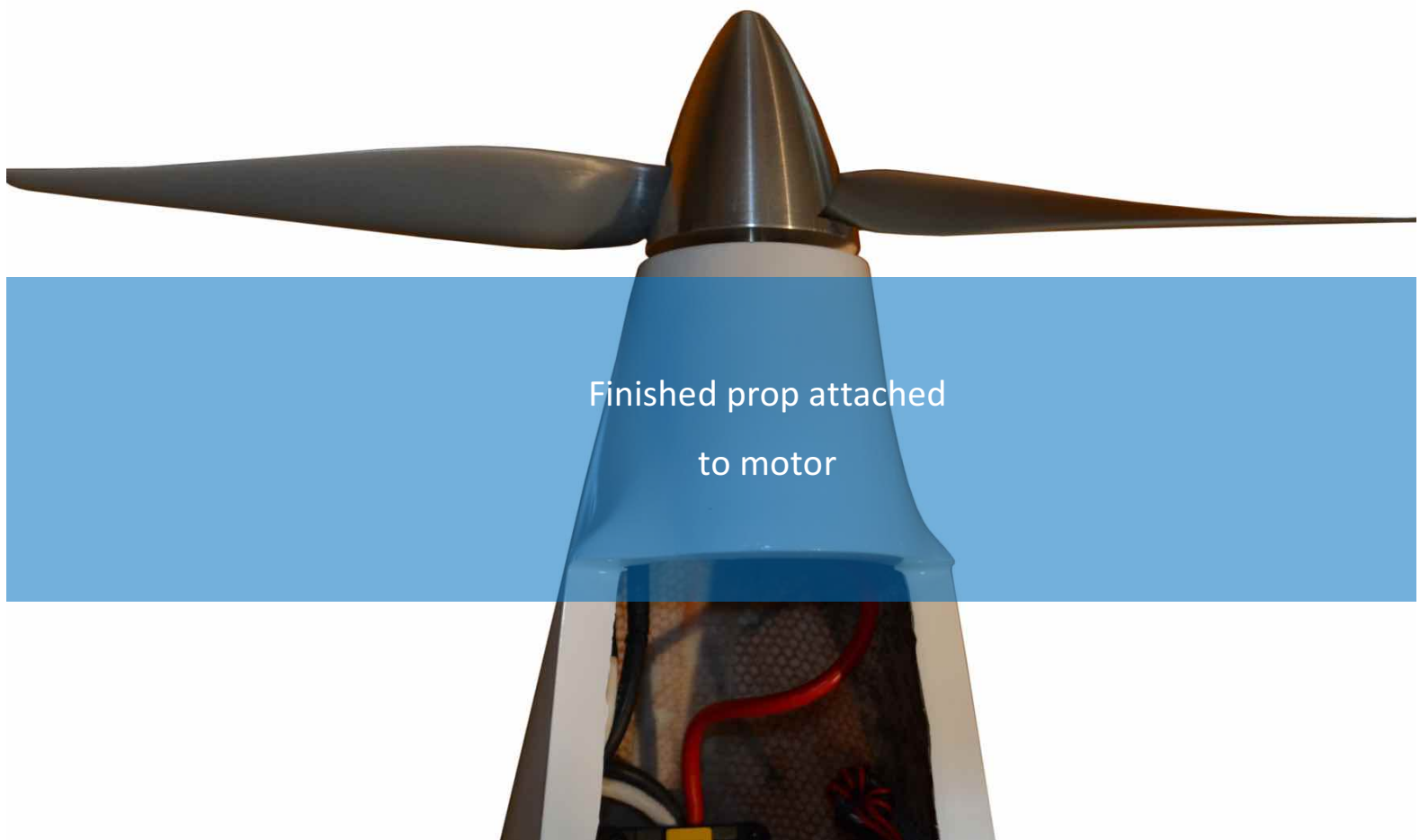
The motor is setup to spin clockwise. This should coincide with the thicker part of the prop leading the turn.



Finished spinner and propeller



Prop attached to motor shaft. This must be secured tightly.

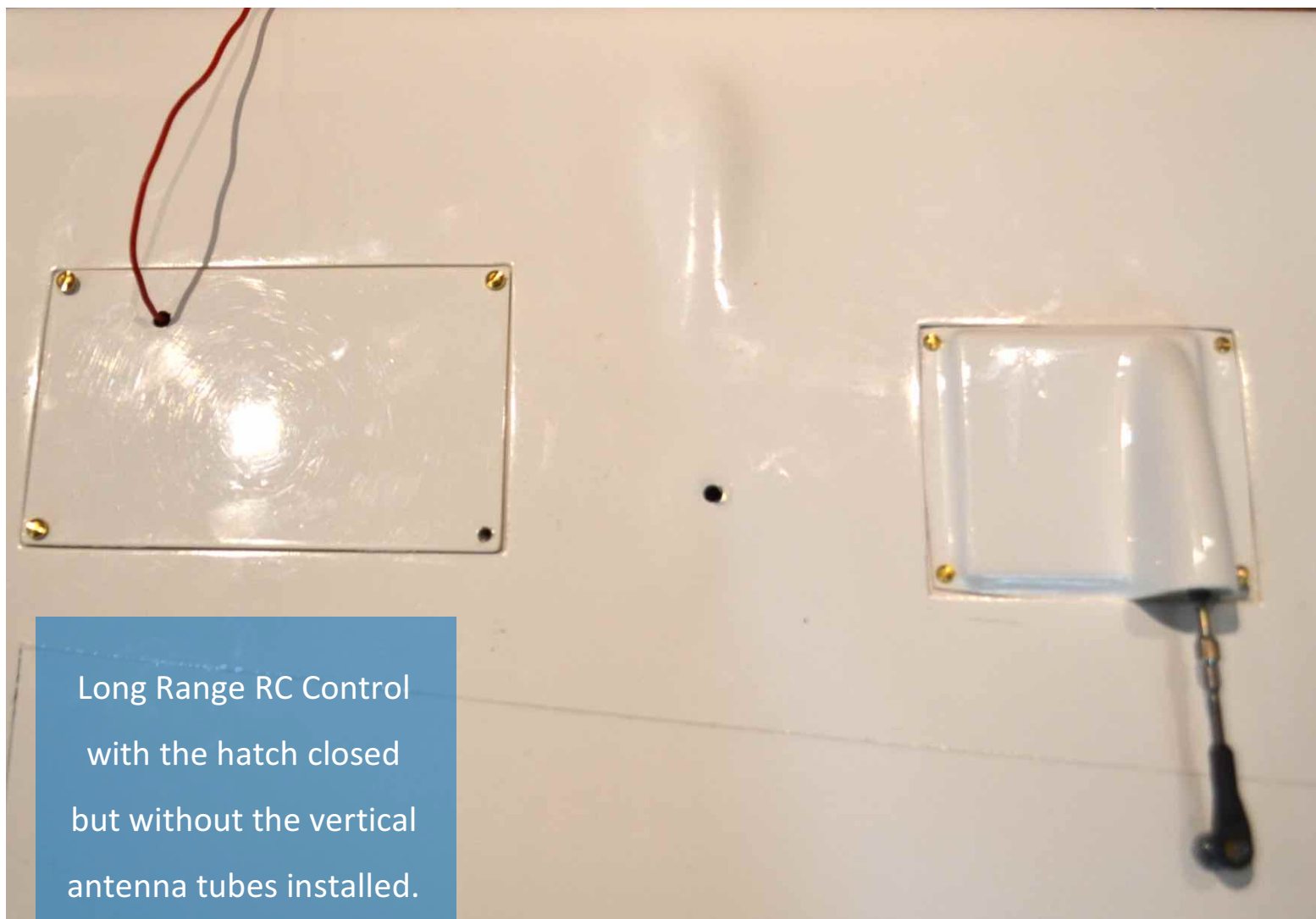


Servo signal wire
connection (color coded)

Secondary signal wire
connection (color coded)

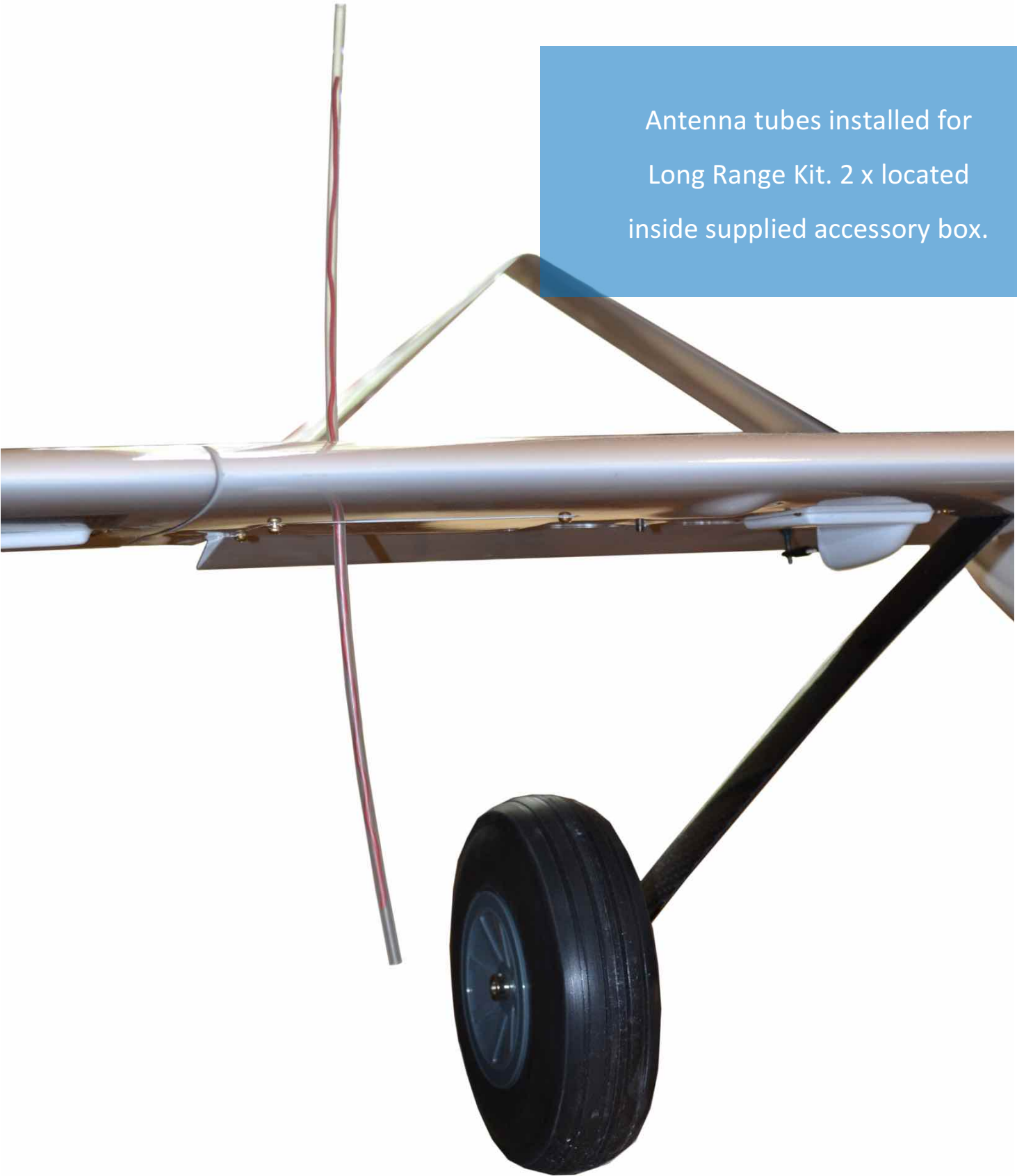
Power connection for
wiring and components





Long Range RC Control
with the hatch closed
but without the vertical
antenna tubes installed.

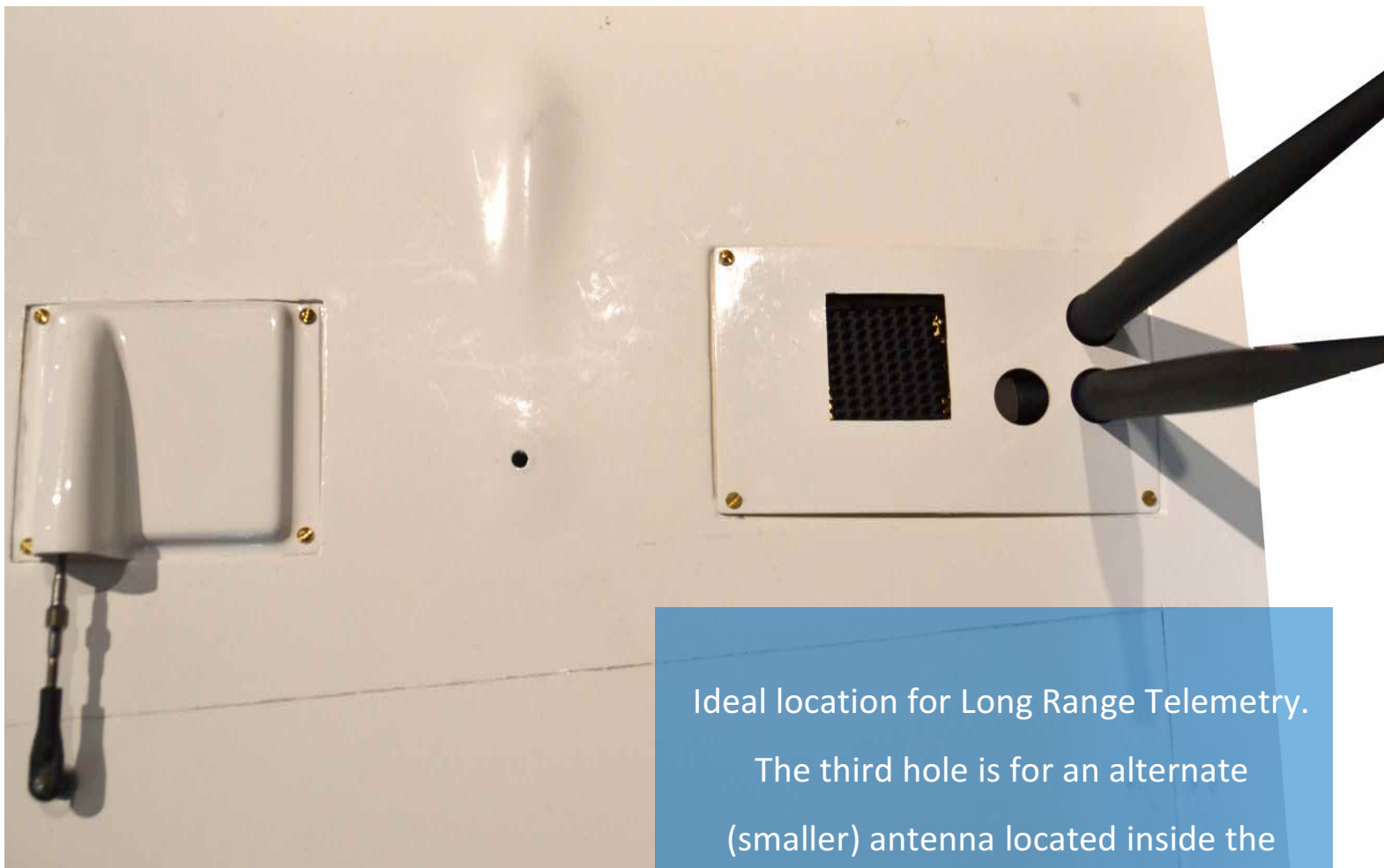
They are pushed
through and will stay in
place once in (see
corresponding photo).



Antenna tubes installed for
Long Range Kit. 2 x located
inside supplied accessory box.

Long Range Telemetry
Module Antennas (Inside
Accessory Box)

Long Range Telemetry
Module

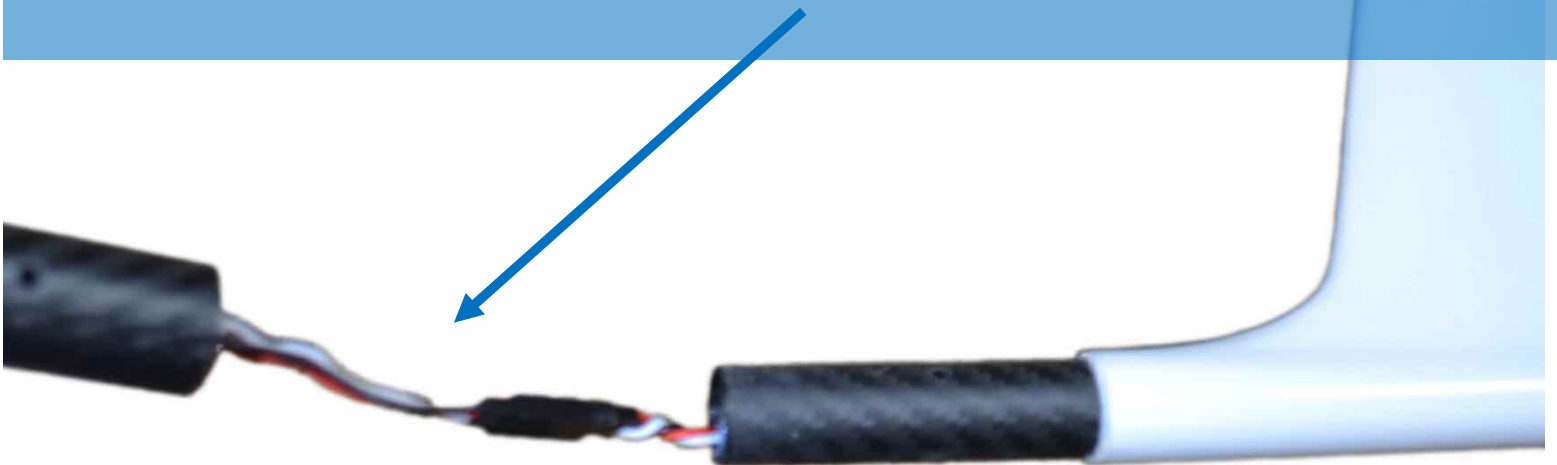


Ideal location for Long Range Telemetry.

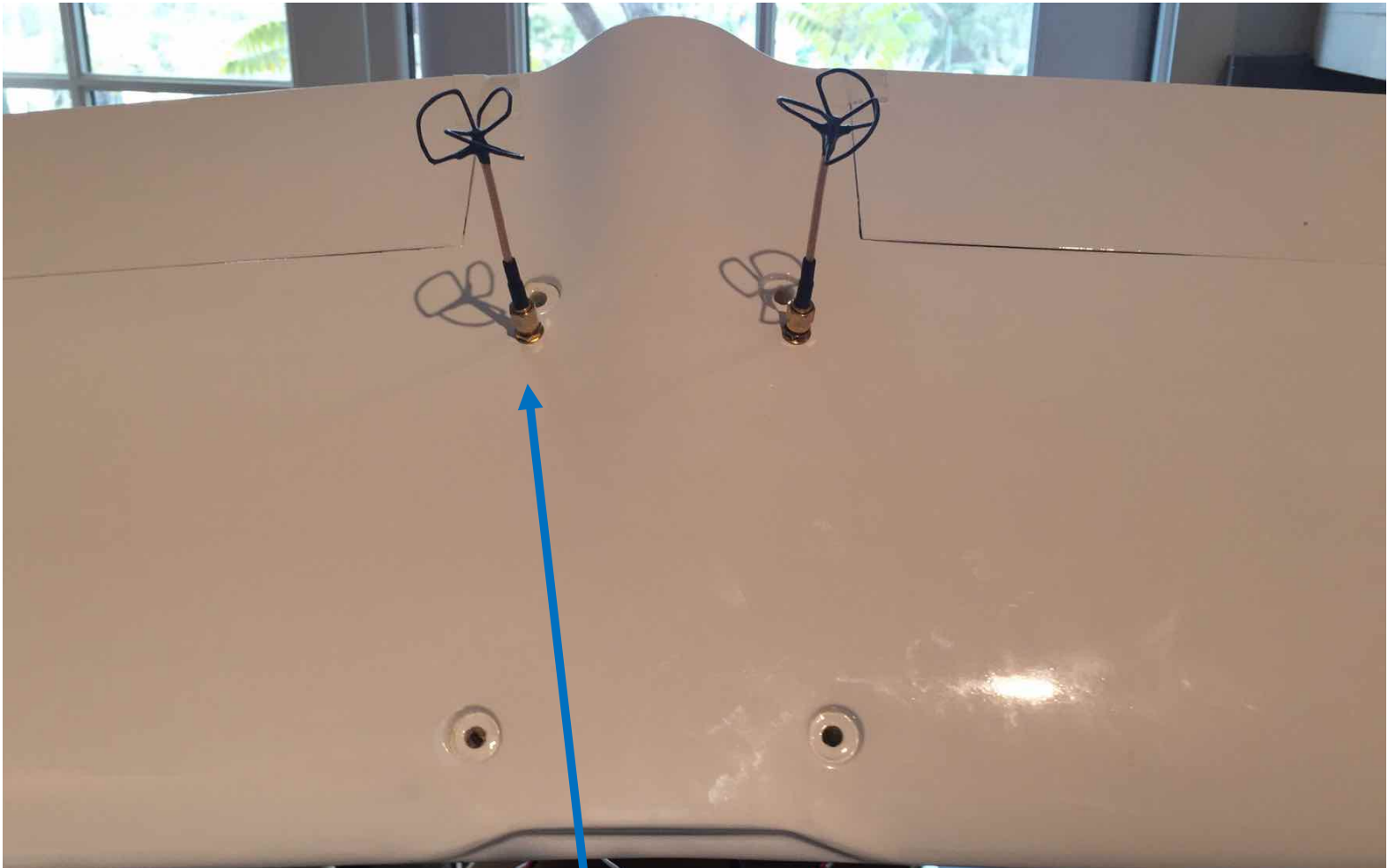
The third hole is for an alternate
(smaller) antenna located inside the
accessory box.

Servo connection from long boom to rear tail.

Caution when putting bolts through this area. We add channeling to avoid any damage but caution should still be taken.



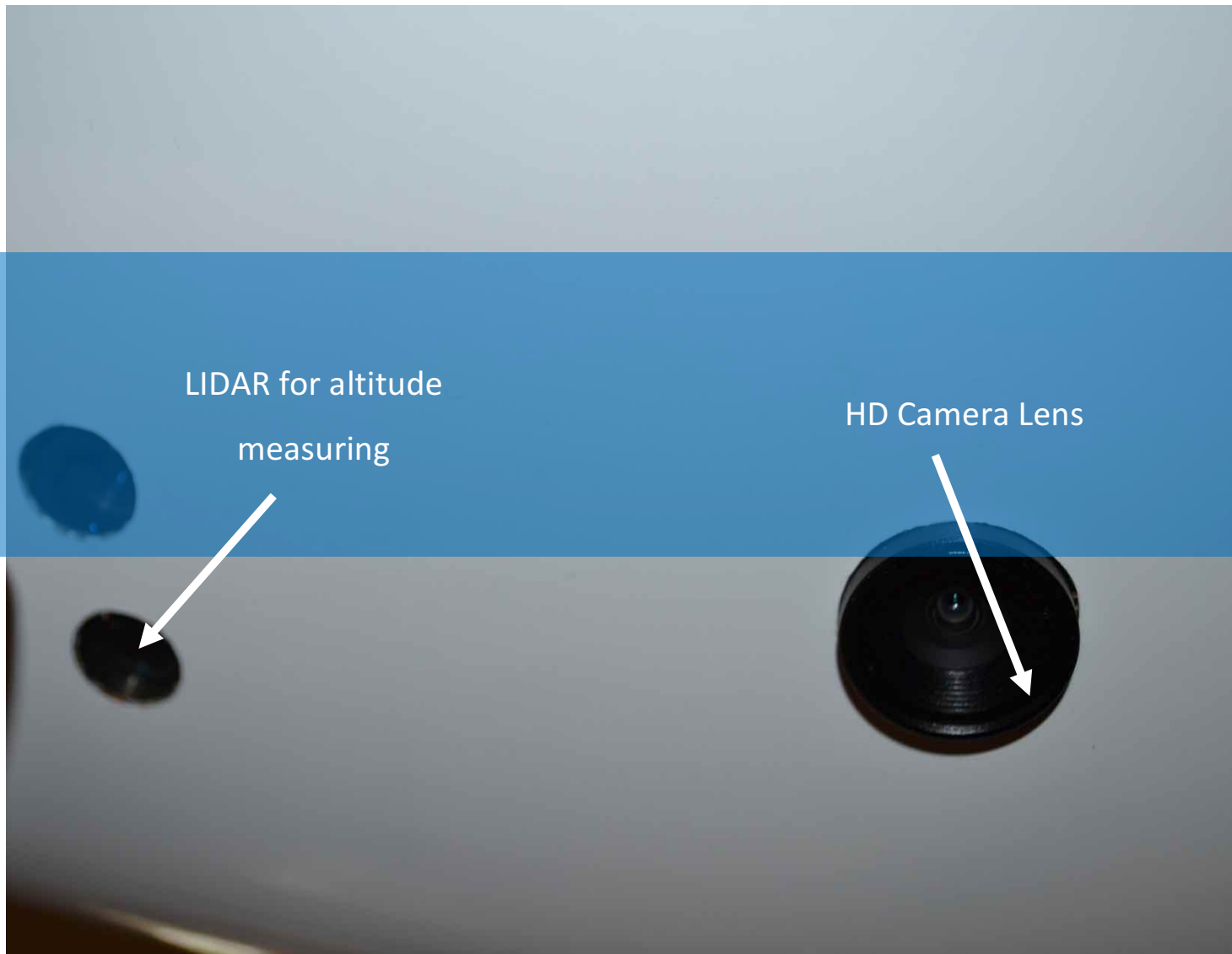


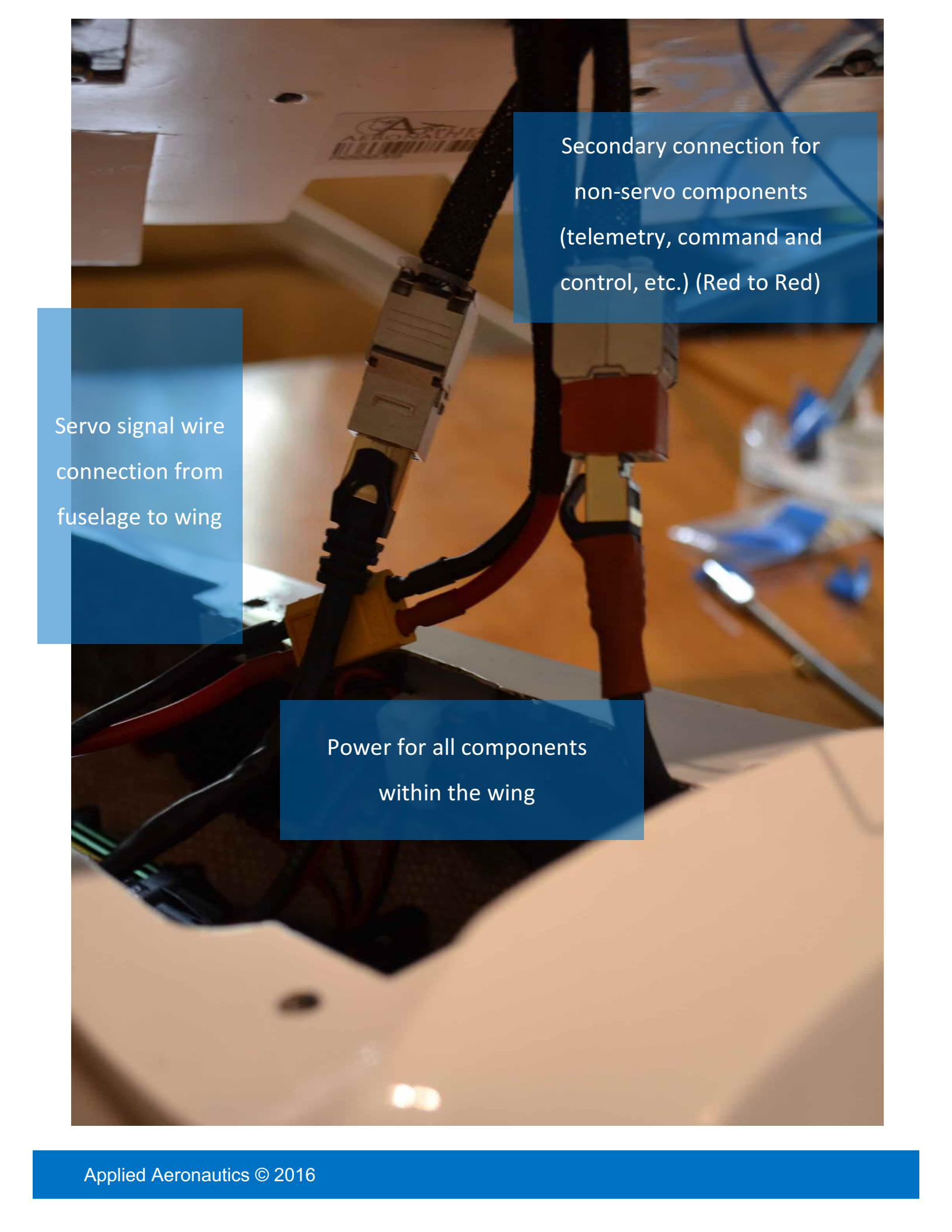


Alternate location for AppliedHD Transmitter

LIDAR for altitude
measuring

HD Camera Lens

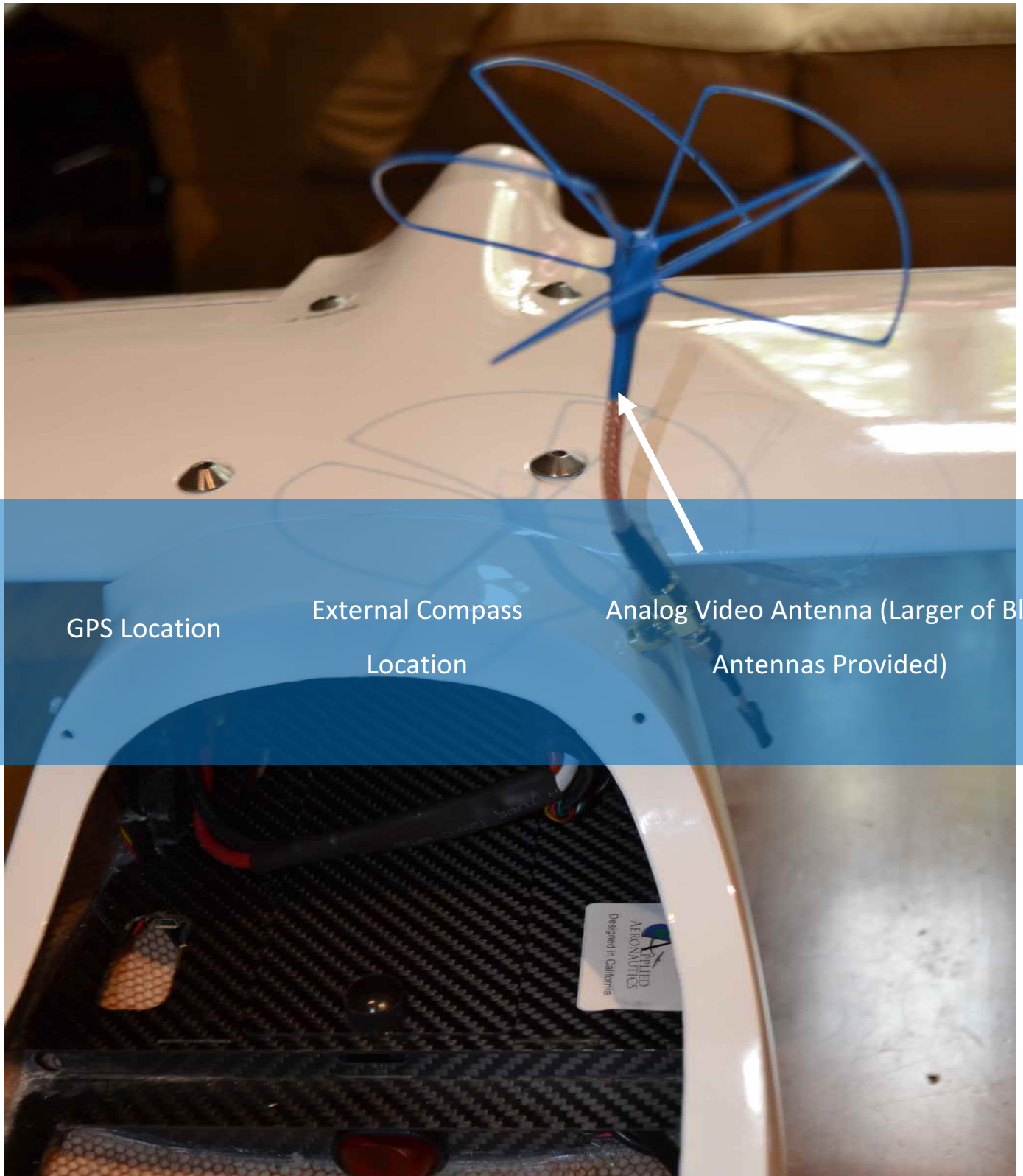




Secondary connection for
non-servo components
(telemetry, command and
control, etc.) (Red to Red)

Servo signal wire
connection from
fuselage to wing

Power for all components
within the wing



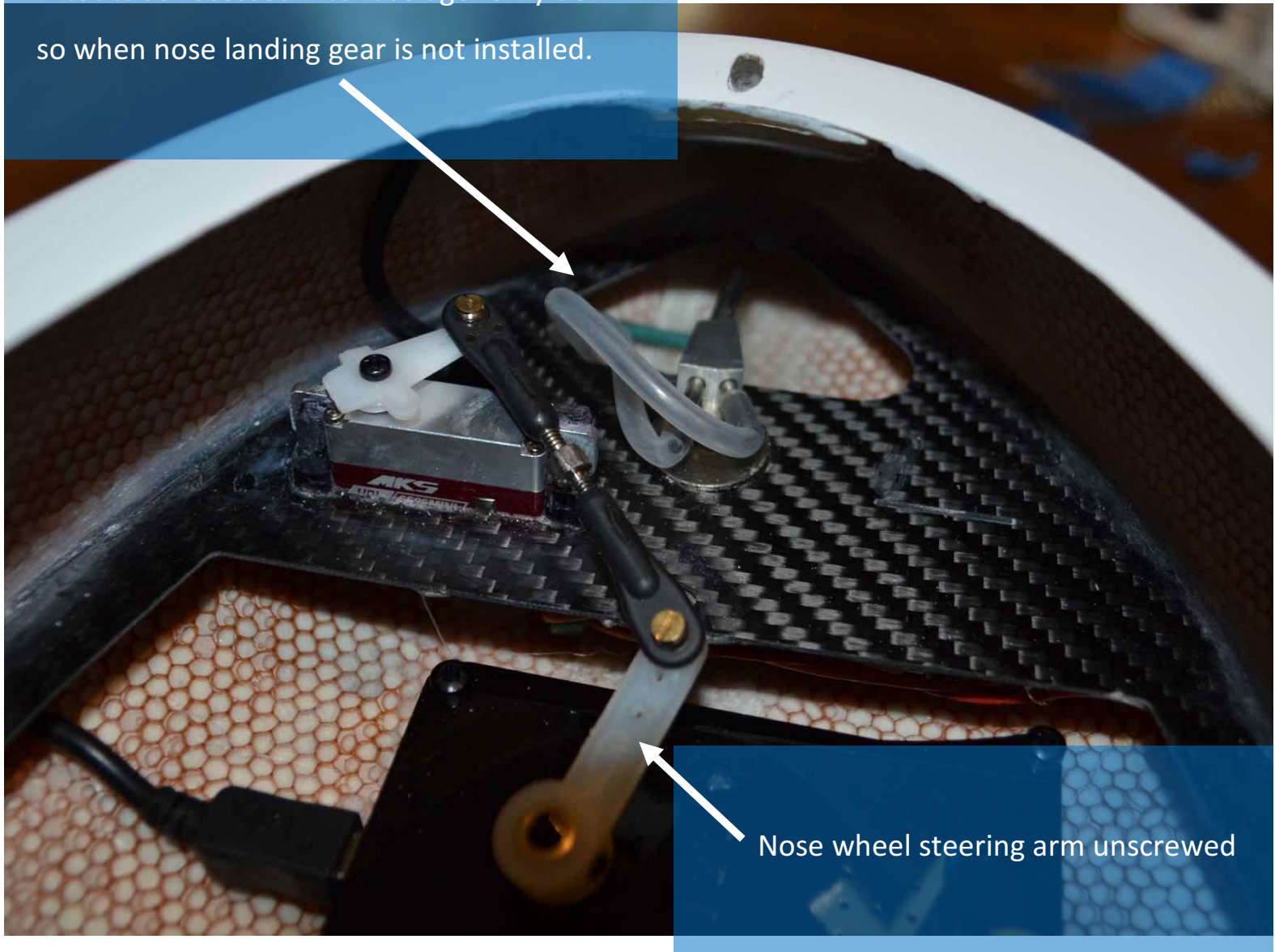
Hatch where autopilot, LIDAR and cabling is located. For our RTF customers we do not recommend opening this hatch unless maintenance is being performed.

Through this hatch you can also access the HD video encoding unit.

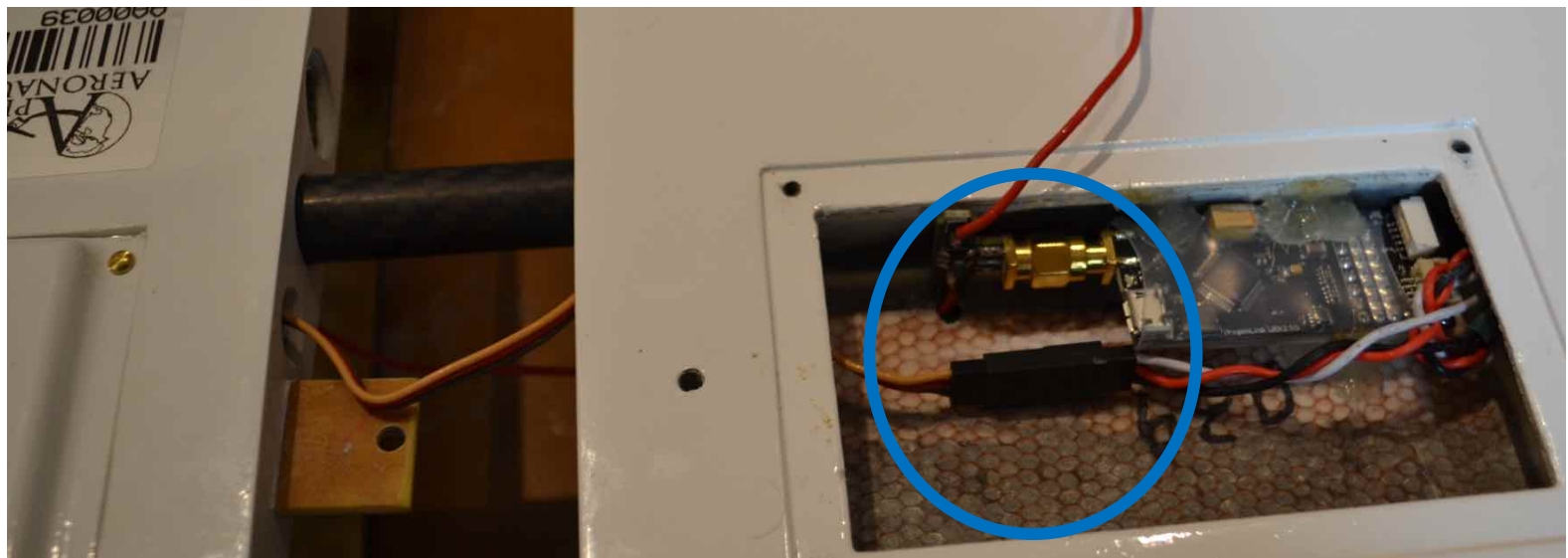
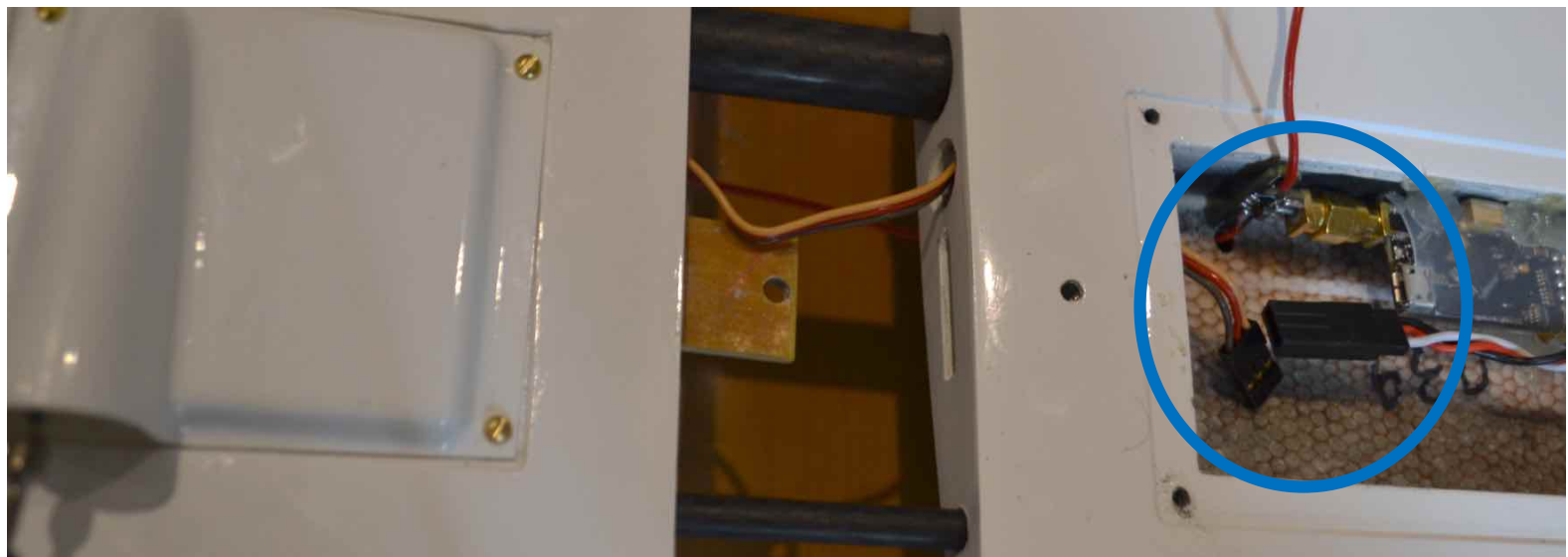
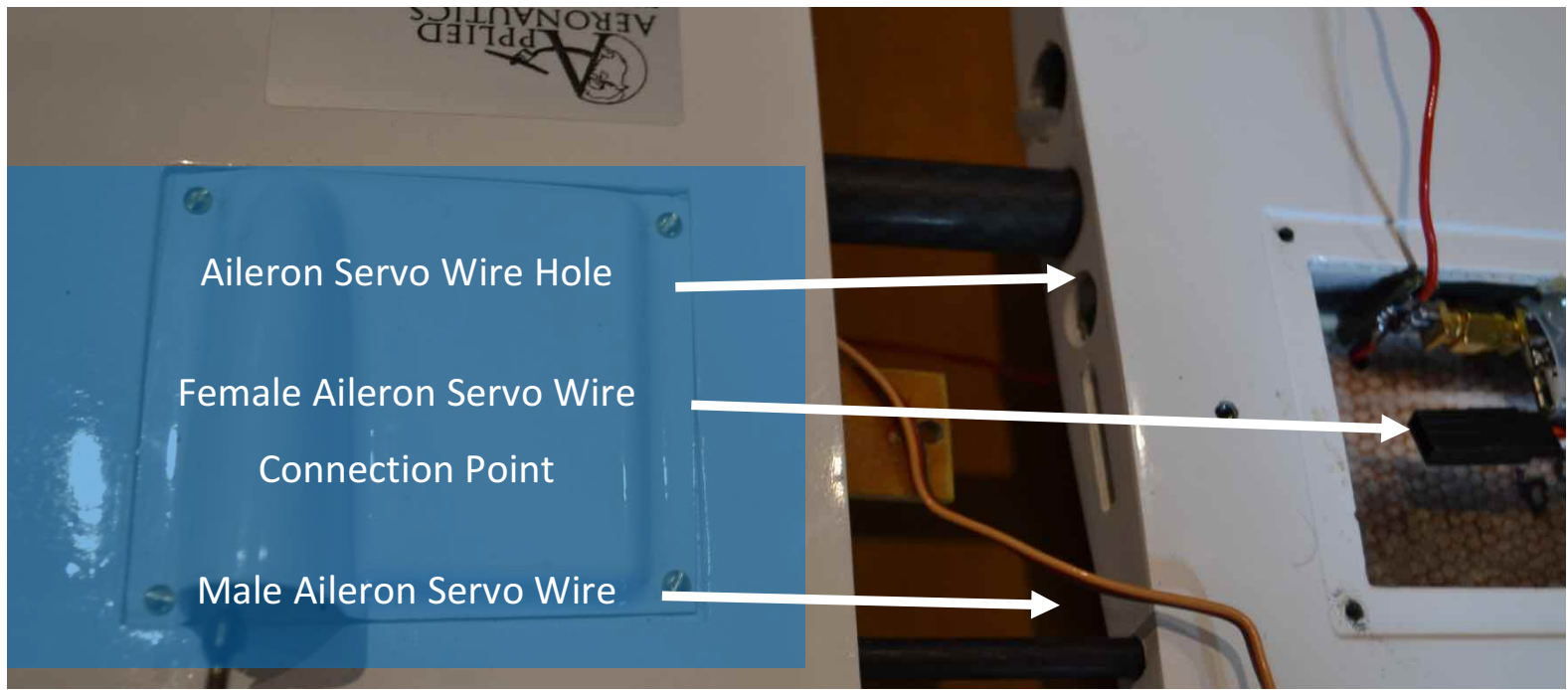
We suggest our kit customers mount avionics like so.



Pitot tube recessed into fuselage. Only do so when nose landing gear is not installed.



Nose wheel steering arm unscrewed

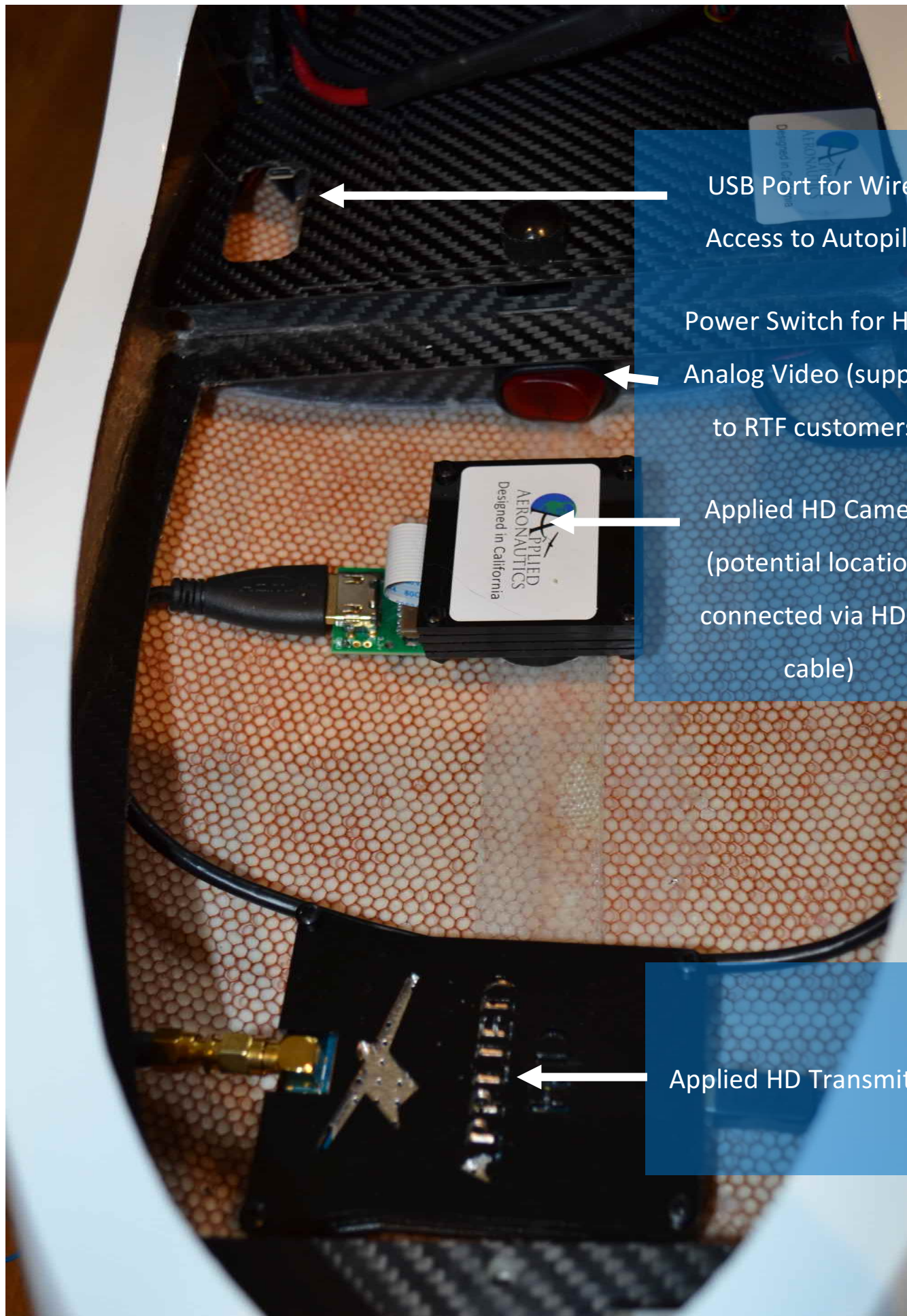


Tubing is for airspeed sensor. Take caution not to puncture, rip or pinch these tubes.

Steering Nose Wheel Servo
(Titanium servos pictured.
Available upon request)

Connection arm from
landing gear. Straight
forward on the arm is
center so in this image
the front wheel is
straight

It is attached and
tightened here.



USB Port for Wired
Access to Autopilot

Power Switch for HD &
Analog Video (supplied
to RTF customers)

Applied HD Camera
(potential location-
connected via HDMI
cable)

Applied HD Transmitter