

Aircraft Record General Information

Manufacturer APEX Model CROSS 5-X
Serial 02-02 Registration Number N223CL
Date of Manufacture 02, 2002

Engine(s) currently installed:

Manufacturer COMPACT RADIAL ENGINE Model MZ202 Serial _____
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____
HUB Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____

[illegible]

[illegible]

WEIGHT-SHIFT-CONTROL (TRIKE) WEIGHT AND LOADING

Make: APEX Date: 6-4-07
 Model: CROSS-SX Registration #: N223CL
 Empty Weight: 361 Serial #: 02-02
 Gross Weight: 950 Wing Make: NORTHWING Model: MUSTANG 15M

Hang Point Range

The tricycle carriage is suspended from the wing hang point at a range of 51 inches and 58 1/2 inches back from the datum at the front of the keel tube.

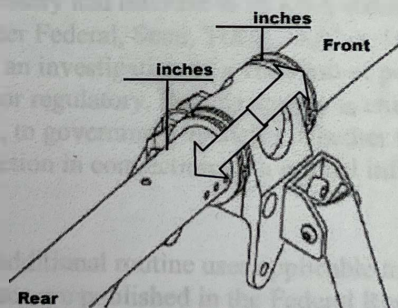
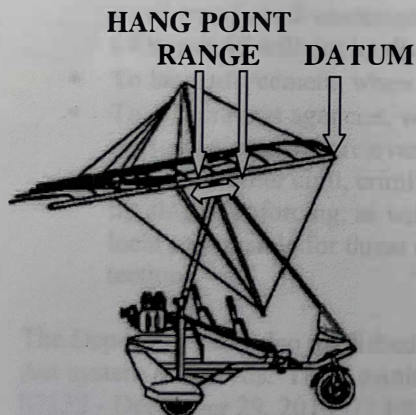
Trim Hang Point Position for Payload Carried (Check and complete 1 or 2)

The wing can be trimmed to adjust for heavy or light payloads and speed by adjusting the trike hang point forward or rearward within the hang point range.

1. All positions within the hang point range are operational at any payload up to the aircraft gross weight.
2. For payloads up to 950 pounds use hang point position 51 inches to 58 1/2 inches from datum. For payloads from 950 pounds up to aircraft gross weight, use hang point position 51 inches to 58 1/2 inches from datum.

Load Distribution (Check and complete 1 or 2)

- ☒ 1. Any payload up to gross can be distributed between one or both seats.
2. Specify any payload distribution considerations between the front and back seat



Effect of Changes to Hang Point

		Maneuverability	Speed	Wing Efficiency	Pitch Stability	Use for Payload
Hang point moved Forward	→	↗ Increase	↗ Increase	↔	↘ Decrease	Heavy
Hang point moved Rearward	←	↘ Decrease	↘ Decrease	↔	↗ Increase	Light

Notes:

- **Empty Weight:** The total weight of the complete airframe, engine, wing and all permanently installed accessories and equipment. Includes unusable fuel and oil.
- **Payload:** Gross weight – Empty weight = Payload. The weight of pilot, passenger, usable fuel, oil and baggage.
- **Gross Weight:** Empty weight plus the weight of passengers, fuel, oil, baggage, etc. all that is carried in the plane. Specified by the manufacturer.