

N962TF – A Youth-Built Aircraft Inspiring Future Aviators

Van's RV-12iS E-LSA | San Francisco Bay Area



I'm happy to share that I have taken one step closer to my aviation goals and have obtained my commercial pilots license!

HISTORY & BUILD STORY



From Students to Aircraft Builders

- Sponsored by EAA Chapter 20 Youth Aircraft Build Program (2016–2020)
- High school students worked alongside pilots, engineers, and mentors
- Aircraft completed and first flown in September 2020

Students gained:

- Hands-on aircraft construction experience
- STEM and engineering skills
- Team work to understand schematics and problem solving

✂ This program transforms students from observers into active creators

✂ Outcome: A fully operational aircraft built by the community

Community Collaboration: EAA Chapter 20



➡ Young Eagles: Free Flights for kids 8 to 17

- Based at San Carlos Airport (KSQ)
- Long-standing mission:
 - Inspire youth through aviation
 - Provide mentorship and education
- Volunteers include:
 - Pilots
 - Aviation Enthusiasts
 - Innovators
 - Scientists



Find out more on <https://www.eaa20.org>

AIRCRAFT & CLUB



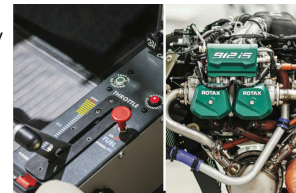
The Aircraft: N962TF

Van's RV-12iS Experimental Light Sport Aircraft (E-LSA)

- Uses unleaded fuel (UL94)
- Modern avionics (glass panel)
- Designed for training and accessibility

RV-12iS Specifications

- Seats: 2
- Engine: Rotax 912iS (100 HP)
- Cruise Speed: ~105 knots
- Stall Speed: ~41 knots
- Fuel Capacity: 20 gallons
- Range: ~500 nautical miles
- Technically Advanced Aircraft (TAA) for Commercial Pilot Training



Flying 12 Club Mission

- Provide **affordable access to aviation**
- Provide **aviation opportunities to youth**

✂ Activities:

- Youth flights (Young Eagles)
- Pilot training support
- Community aviation events
- EAA Air Venture at Oshkosh



Find out more on <https://www.flying12club.com>

IMPACT & INSPIRATION



From Builders to Pilots

Students / Club Members inspired to become:

- Sport Pilots
- Private Pilots
- Commercial Pilots
- Airline Transport Pilot (ATP)
- Fighter Jet Pilots
- Aerospace Engineers / Innovators

Impact on the Bay Area Community & Beyond

Expands aviation access in the San Francisco Bay Area

- Connects:
 - Students
 - Mentors
 - Aviation professionals
- Inspires careers in:
 - ✂ Aviation career pathways
 - ✂ Engineering
 - ✂ Aerospace

Why N962TF Matters

- ✓ Built by students
- ✓ Supported by mentors
- ✓ Flown by young pilots
- ✓ Sustained by community
- ✂ A real propelling force to **next generation of aviators**

"N962TF is more than an airplane — it is a flying classroom, a community achievement, and a launchpad for future aviators."