

## Aircraft Damage Report

**Model:** SR20    **Serial:**1638    **Registration:** N154WF    **Flight Meter:** 7508.6

**Aircraft Location:** Battle Creek, MI    **Aircraft Operator:** WMU College of Aviation

**Contact Name:** Scott Austin

**Phone Number:** [REDACTED]

**E-mail:** [REDACTED]

**Date damage occurred:** 06/19/2024

**Damage Description:** This aircraft sustained the following damage due to a CAPS deployment.

1. CAPS deployment fuselage damage (see pics 1-3)
  - A. Fuselage composite skin from firewall aft to CAPS rocket/parachute exit area is damaged due to embedded parachute straps being deployed.
  - B. CAPS rocket and parachute exit area has been damage due to deployment.
2. Rudder damage
  - A. Upper rudder hinge bracket and skin has damage near base of rudder horn (see pic 4 and 5).
  - B. Middle rudder hinge bracket and skin damage (See Pic 6).
  - C. Rudder spar bent and twisted (see pic 7)
3. Vertical Stabilizer damage
  - A. Upper rudder attach bracket ripped and torn away from stabilizer mount area (see pic 8).
  - B. Composite delamination present @ bracket area (see pic 9).
4. LH side cabin door sustained damage due to CAPS strap deployment.
  - A. Bottom door latch has damage along with bottom door hinge/skin area (see pic 10).
  - B. Door skin near latch entry button has crack with delamination (see pic 11).
5. RH landing gear leg has minor delamination present (see pic 12).
6. Propeller blades damaged due to strike on ground upon touchdown
  - A. All 3 propeller blades damaged beyond repair (see pic 13).
7. Engine requires tear-down inspection due to propeller strike (see pic 13).
8. Wheel pant fairing damage.
  - A. RH MLG fairing: Large dent on top with delamination. Inboard fairing panel damaged, ripped apart and delaminated (see pic 14).
  - B. LH MLG fairing: Delamination with large crack on inboard side of wheel pant. Inboard wheel pant panel totally destroyed (see pic 15).
  - C. NLG fairing: Bottom side missing large chunk with cracks and delamination (see pic 16).
9. NLG Strut Assembly – Shock absorption pucks and tray damaged/torn.



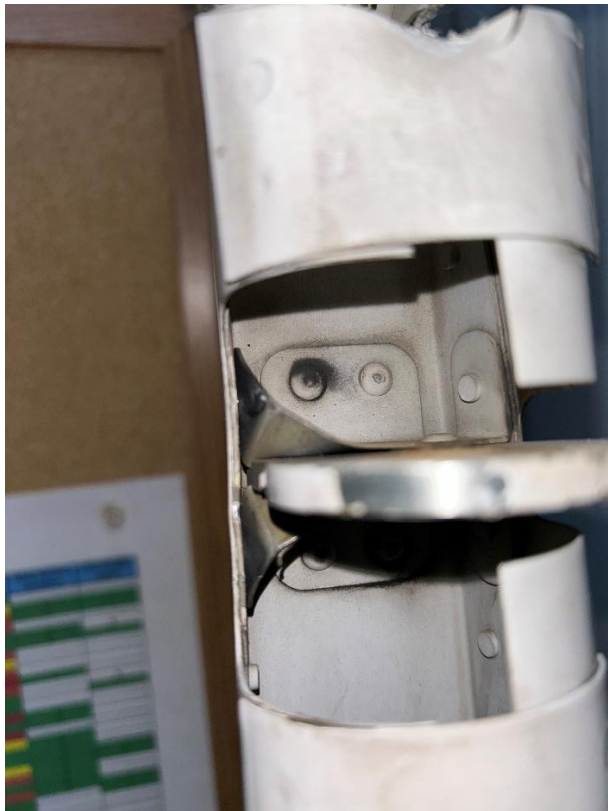
**Pic 1:**  
CAPS  
Straps



**Pic 2:**  
CAPS  
Straps



**Pic 3:** CAPS  
Rocket/Parachute  
Exit Cover Area



**Pic 4:**  
Upper  
Rudder  
Hinge  
Bracket



**Pic 5:**

Rudder Horn Skin

**Pic 6:**

Middle  
Rudder  
Hinge  
Bracket





Pic 7:

Rudder  
Spar

Pic 8:

Vertical  
Stabilizer





Pic 9:  
Vertical  
Stabilizer



Pic 10:  
LH Cabin  
Door



Pic 11:

LH Cabin  
Door



Pic 12:

RH MLG  
Strut

Pic 13:  
Engine/Prop



Pic 14:  
RH MLG  
Wheel Pant  
Fairing



**Pic 15:**

LH MLG  
Wheel Pant  
Fairing



**Pic 16:**

NLG Wheel  
Pant Fairing