**Stearman PT-17**

**N27933**

**Checklist**

**Normal Procedures**

**Airspeed Limits**

Level Flight or Climb 125 mph

Glide or Dive 186 mph

Stall Speed 55 mph

**Maneuvers Prohibited**

1. Inverted flight
2. Inverted Spins
3. Outside Loops
4. Snap Rolls at more than 106 mph
5. Slow Rolls at more than 124 mph

**Pre-Flight Inspection**

1. Fuel Level Checked
2. Oil Capacity Checked
3. Tire Inflation Checked
4. Right Wing – Upper

 and Lower Checked

1. Left Wing - Upper

 and Lower Checked

1. Fuselage Checked
2. Tail Wheel Checked

1

For Training Only

 **Entering Pilot’s Compartment**

**Check for all Flights**

1. Ignition Switch OFF
2. Controls LOCKED
3. Throttle CLOSED
4. Mixture Control FULL LEAN
5. Carburetor Air Control COLD

**Starting Engine**

1. Ignition Switch OFF
2. Propeller PULL THROUGH

Seven Times

1. Fuel ON
2. Carburetor Air Control FULL COLD
3. Mixture Control FULL RICH
4. Throttle APROX ¼ Open
5. Engine Start Button ENGAGE
6. Controls UNLOCKED

**Engine Warm Up**

 1. Throttle 700 RPM

 2. Oil Temp CHECK FOR TAXI

 3. Carburetor Air Control COLD

**Engine and Accessories Ground Check**

1. Throttle 1200 and 1500 RPM
2. Magnetos Ignition CHECK EACH
3. Oil Pressure CHECK 60-90 psi
4. Oil Temperature CHECK

2

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**Take-Off Pre-Flight Check**

1. Flight Controls UNLOCKED
2. Elevator Trim Tab NEUTRAL
3. Mixture Control FULL RICH
4. Carburetor Air COLD
5. Instruments CHECK
6. Throttle FULL OPEN

**Climb**

1. Initial Rate of Climb APROX 850 fpm

**Approach**

1. Airspeed APROX 75 MPH

**Stopping Engine**

1. Idle 500 RPM
2. Mixture Control IDLE CUT OFF
3. Fuel Valve ON

**Before Leaving Aircraft**

1. Fuel OFF
2. Ignition Switch OFF
3. Flight Controls LOCKED

3

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EMERGENCY PROCEDURES

STEARMAN PT-17

**Engine Failure – Take off – On Ground**

1. Throttle CLOSED
2. Ignition Switch OFF
3. Brakes AS NEEDED

**Engine Failure – Take Off – Airborne**

1. Throttle CLOSED
2. Ignition Switch OFF
3. Airspeed 75 mph
4. Fuel oFF

***Land Straight Ahead, Do Not Turn Back***

**Engine Fire – Starting**

1. Starter CONTINUE CRANKING
2. Engine Starts – TAXI AWAY FROM FIRE --------------OR FUEL ON THE GROUND
3. Engine Does Not Start

Fire Continues EXIT AIRCRAFT

**Landing with Flat Tire**

1. Airspeed - FULL STALL TOUCHDOWN

4

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