



Engine Failure

Flow (Part 1)



Start

Engine Failure (Part 1)

Flow	Action
1. Mixtures	FULL RICH
2. Propeller Controls	FULL FORWARD
3. Throttles	FULL THROTTLE
4. Flaps	UP
5. Gear	UP
6. Fuel Pumps	ON



Engine Failure

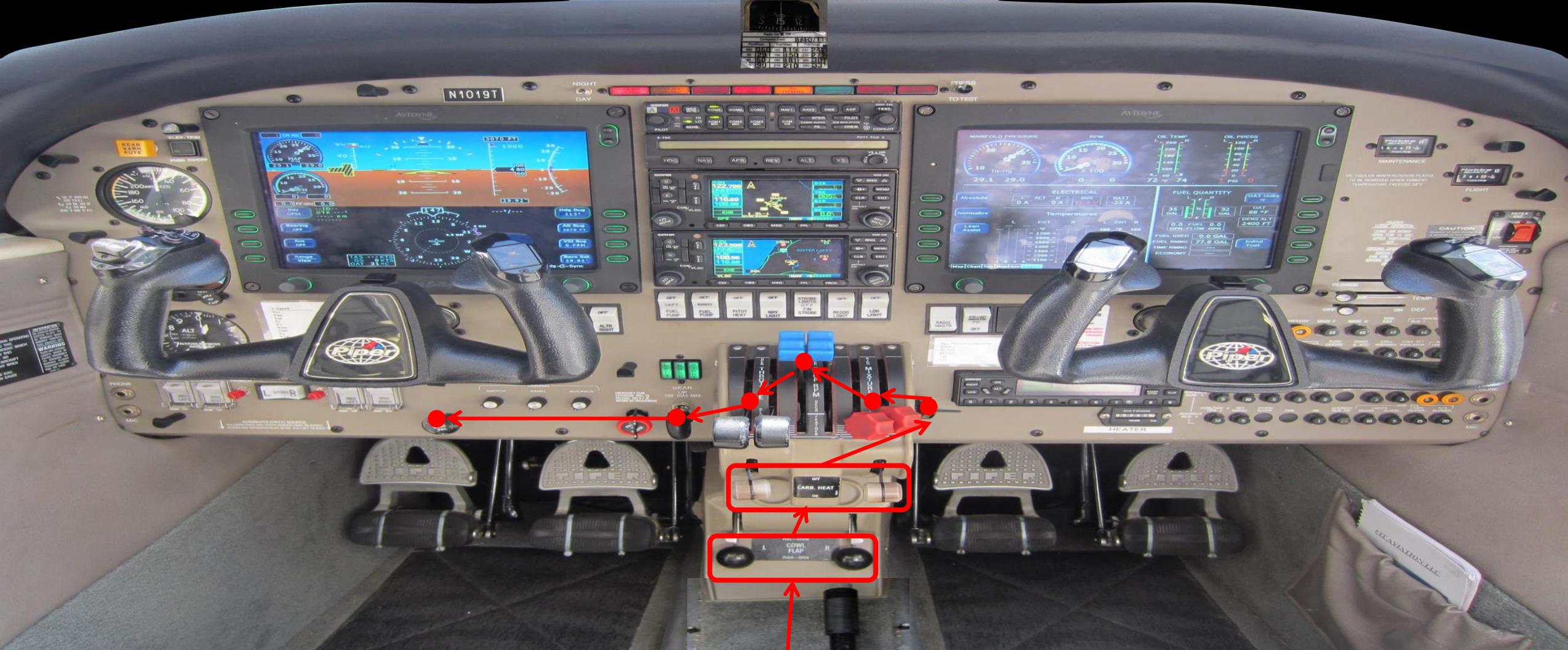
Flow (Part 2)



Start

Engine Failure (Part 2)

Flow	Action
1. Identify	<i>“Dead Foot, Dead Engine”</i>
2. Verify	Reduce power on suspected inoperative engine
3. Decide	Fix or Feather
<u>FIX</u> <i>(Above 1,000’ AGL, as well as when time / performance allow)</i>	(Reference and complete Checklist)
<u>FEATHER</u> <i>(Below 1,000’ AGL, or if time/performance not available)</i>	
1. Throttle (inop engine only)	IDLE
2. Propeller (inop engine only)	FEATHER
3. Mixture (inop engine only)	IDLE CUTOFF



Before Starting Engine
Flow



Start

Before Starting Engine

Flow	Action
1. Fuel Selectors	ON
2. Trim (Stabilator and Rudder)	SET in takeoff configuration
3. Cowl Flaps	OPEN
4. Carburetor Heat	OFF
5. Friction Control Handle	As Desired
6. Mixtures	IDLE CUT-OFF
7. Propeller Controls	FULL FORWARD
8. Throttles	IDLE
9. Gear Selector	GEAR DOWN
10. Parking Brake	SET



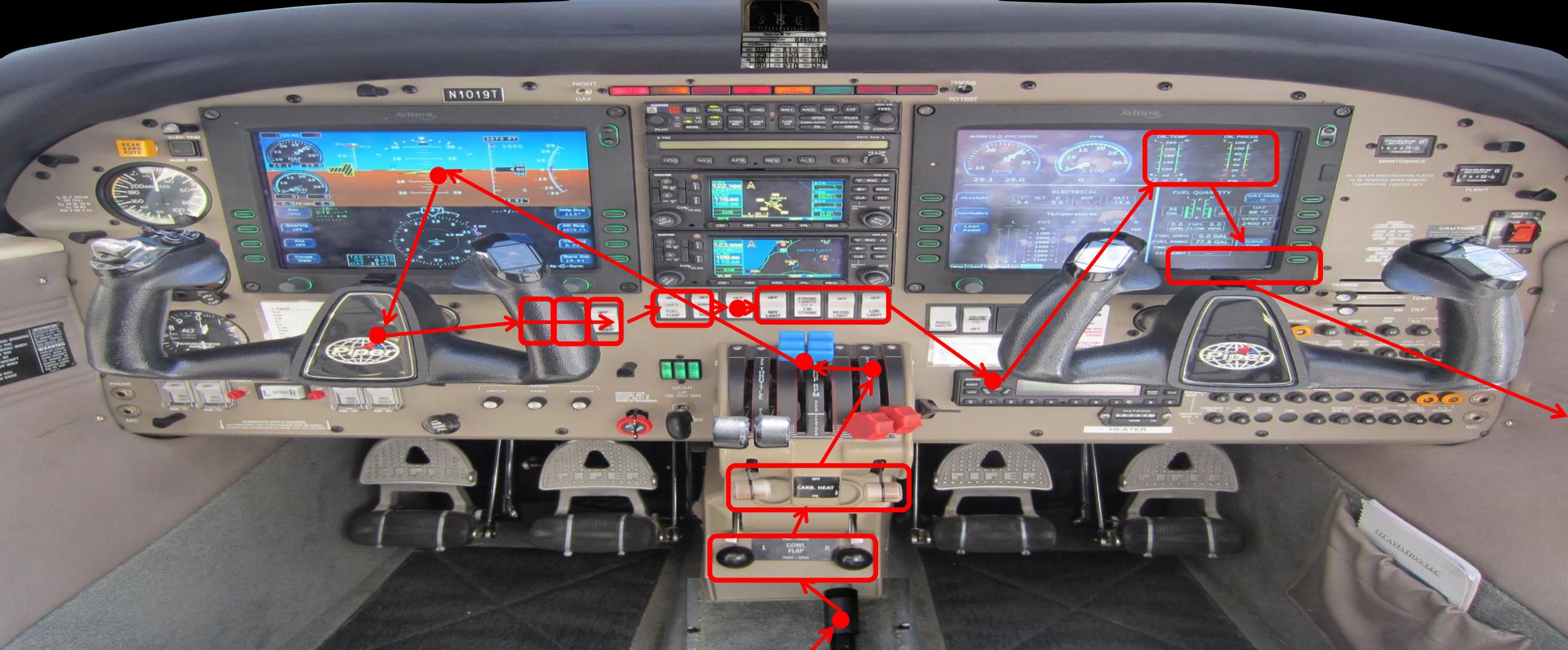
Normal Start
Flow



Start

Normal Start

Flow	Action
1. Battery Master	ON / Cooling Fans
2. Alternators	ON
3. Electrical Fuel Pumps	ON
4. Fin Strobe	ON
5. Mixtures	FULL RICH
6. Propeller Controls	FULL FORWARD
7. Throttles	¼ inch OPEN
8. Landing Gear Lights	3 GREEN
9. Primary Flight Display (PFD)	INCREASE BRIGHTNESS



Before Takeoff – First Takeoff

Flow

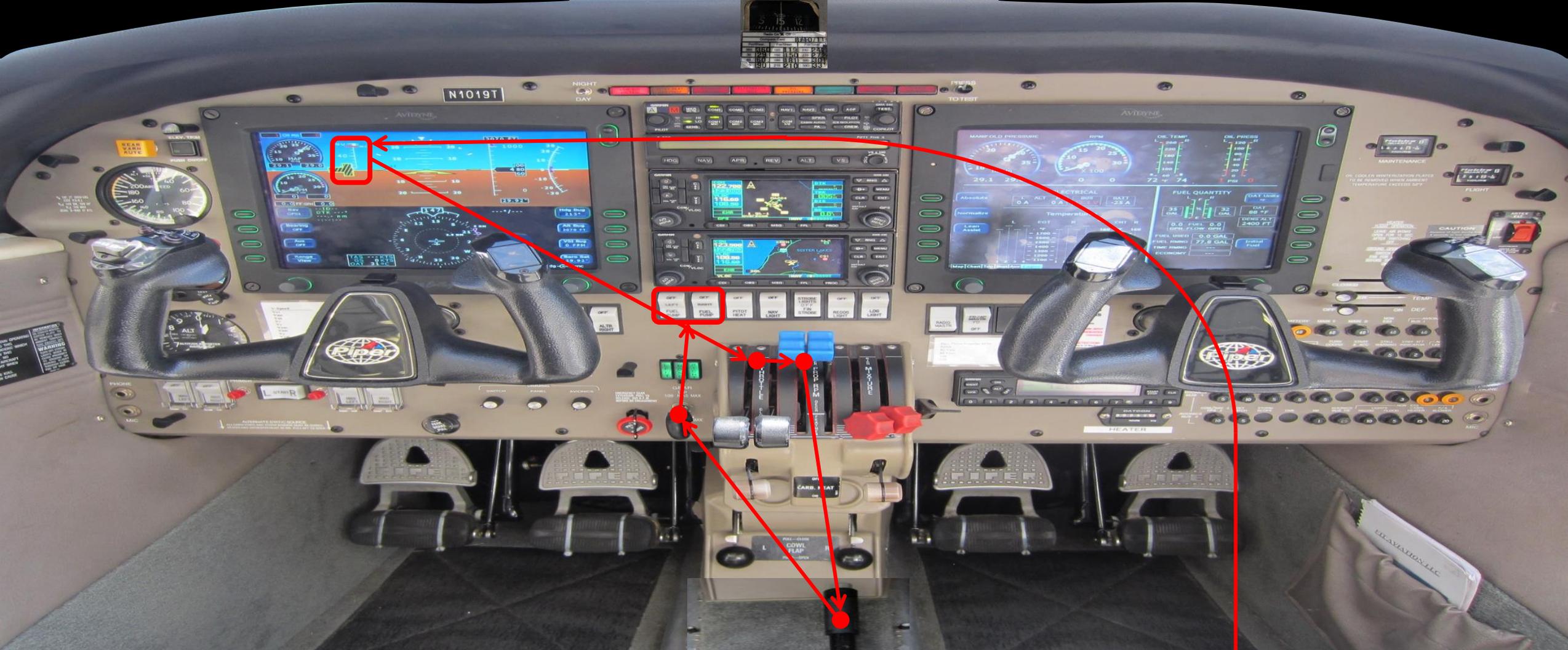
Start



Before Takeoff – First Takeoff

Flow	Action
1. Fuel Selectors	ON
2. Stabilator and Rudder Trims	SET
3. Flaps	UP
4. Cowl Flaps	OPEN
5. Carb Heat	OFF
6. Mixtures	FULL RICH
7. Propellers	FULL FORWARD
8. Flight Instruments	CHECK
9. Flight Controls	CHECK

Flow	Action
10. Battery Master Switch	ON
11. Alternators	ON
12. Electric Fuel Pumps	ON
13. Pitot Heat	AS REQUIRED
14. Exterior Lights	ON
15. Transponder	AS REQUIRED
16. Engine Instruments	CHECK
17. Annunciator/MFD Messages	CHECK
18. Door	LATCHED



Climb
Flow

Start



Climb

Flow	Action
1. Enroute Climb	105 KIAS
2. Power	25" MP
3. Propeller Controls	2500 RPM
4. Flaps	UP
5. Gear	UP
6. Fuel Pumps	OFF / AS REQUIRED



Pre-Maneuver
Flow



Start

Pre-Maneuver

Flow	Action
1. Fuel Selectors	ON
2. Mixtures	AS REQUIRED
3. Fuel Pumps	ON
4. Exterior Lights	ON



Go-Around
Flow



Start

Go-Around

Flow	Action
1. Propeller Controls	FULL FORWARD
2. Throttles	FULL POWER
3. Flaps	UP
4. Gear	<i>"Below 109, Gear up"</i> UP
5. At 1,000' AGL	Climb Checklist



Before Landing
Flow



Start

Before Landing

Flow	Action
1. Fuel selectors	ON
2. Landing Gear	<i>"Below 140, Gear down"</i> / 3 GREEN
3. Nacelle Mirror	<i>"Gear in mirror"</i>
4. Mixture	FULL RICH
5. Propeller Controls	<i>"Below 100, full forward"</i> FULL FORWARD
6. Fuel Pumps	ON
7. Exterior Lights	ON
8. Carburetor Heat Controls	OFF / AS REQUIRED
9. Cowl Flaps	OPEN



After Landing

Flow

Start

After Landing

Flow	Action
1. Flaps	UP
2. Cowl Flaps	OPEN
3. Carb Heat	OFF
4. Mixtures	LEAN
5. External Lights	AS REQUIRED
6. Electric Fuel Pumps	OFF
7. Cabin Heat	OFF



Before Takeoff – Subsequent Takeoff

Flow



Start

Before Takeoff – Subsequent Takeoffs

Flow	Action
1. Fuel Selectors	ON
2. Stabilator and Rudder Trims	SET
3. Flaps	UP
4. Cowl Flaps	OPEN
5. Carb Heat	OFF
6. Mixtures	FULL RICH
7. Propellers	FULL FORWARD
8. Fuel Pumps	ON
9. External Lights	AS REQUIRED



Stopping Engine
Flow



Start

Stopping Engine

Flow	Action
1. Heater (if ON)	FAN - 2 MINUTES, THEN OFF
2. Autopilot/Flight Director	OFF
3. Radio Master	OFF
4. Electrical Equipment	OFF (except Fin Strobe)
5. Throttles	IDLE
6. Magnetos	GROUND CHECK
7. Throttles	1,000 RPM
8. Mixtures	IDLE CUTOFF
9. Throttles	IDLE