

## **IFR Instrument Checks**

For IFR flight, add these items to the VFR checklist you use for your airplane.

### **Preflight, before turning on master switch**

Magnetic Compass -- FULL OF FLUID

Inclinometer -- FULL OF FLUID

Turn Coordinator -- WARNING FLAG RED

### **After turning on master switch**

Turn Coordinator -- WARNING FLAG CLEAR

Electric Gyros -- LISTEN, SPOOLING UP SMOOTHLY

Pitot Heat -- TURN ON, CHECK HEAT, THEN OFF.

### **During walkaround**

Pitot tube and static port -- CLEAR OF ALL BLOCKAGE

### **During runup**

Suction -- CHECK INDICATORS (4.5" to 5.5" differential pressure is typical)

Ammeter -- CHARGING/NORMAL INDICATION

### **While taxiing**

Magnetic Compass -- INDICATES KNOWN HEADINGS, TURNS FREELY

Attitude Indicator -- HORIZON BAR SHOULD BE ERECT AND STABLE WITHIN 5 MIN.  
BANKS LESS THAN 5 DEGREES DURING TURNS  
PITCHES SLIGHTLY WITH BRAKE APPLICATION

Heading Indicator -- SET AFTER 5 MINUTES AND CHECK FOR PROPER ALIGNMENT  
AFTER TAXI TURNS

Turn Coordinator -- INDICATES TURNS IN SAME DIRECTION

Inclinometer -- BALL SKIDS TO OUTSIDE DURING TURNS

### **Before takeoff**

Airspeed -- ZERO

Attitude Indicator -- SET AIRPLANE TO 90 DEGREE MARKERS

Altimeter -- LOCAL PRESSURE SET, READS WITHIN 75' OF FIELD ELEVATION

Turn Coordinator -- WARNING FLAG CLEAR

Heading Indicator -- ALIGN WITH MAGNETIC COMPASS

VSI -- NOTE ZERO POINT, CHECK ALTERNATE STATIC SOURCE

Set up all radios as far ahead as possible:

Communications frequencies set, verify both com radios operational

VHF navigation frequencies and OBS set, check signal reception & ID on ground

DME frequency and mode selector set

ADF frequency set, check signal reception & ID on ground when possible

GPS route or first waypoint programmed

Transponder code set, altitude mode engaged

Clearance -- OBTAIN AND REVIEW

Departure Procedure -- REVIEW

Departure Emergency Plan -- REVIEW