



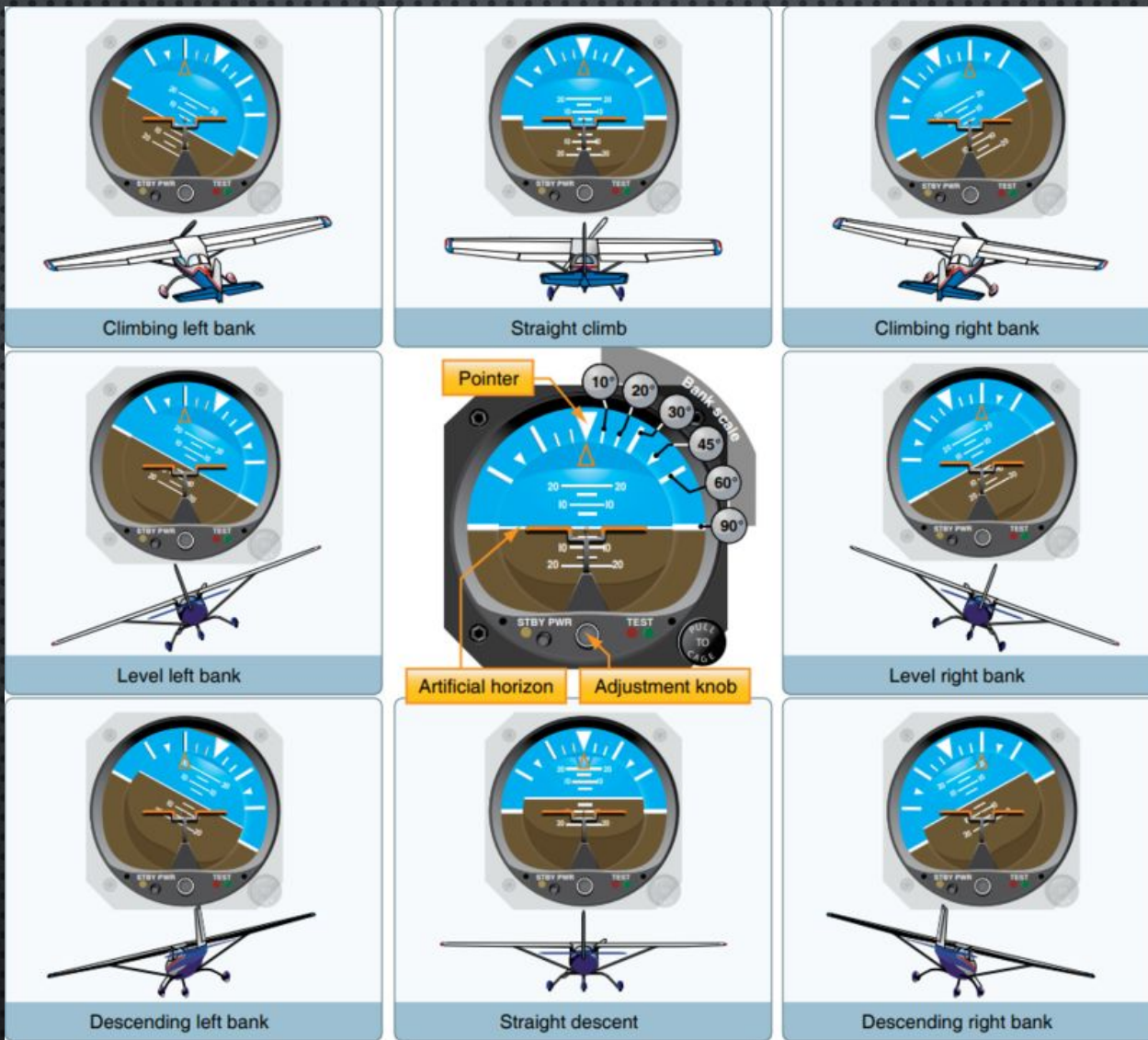
FLIGHT INSTRUMENTS: ATTITUDE INDICATOR

ATTITUDE INDICATOR - GYROSCOPIC INSTRUMENT FOR MEASURING AND INDICATING ROLL AND PITCH ANGLES, CORRESPONDING TO THE SPATIAL POSITION RELATIVE TO THE HORIZONTAL PLANE.



THE STRIP ON THE DIAL INDICATES THE INCLINATION OF THE AIRCRAFT FORWARD AND BACKWARD IN THE UP OR DOWN DIRECTION. THE POINTER ON THE SAME DIAL ALSO SHOWS A LATERAL TILT IN BOTH DIRECTIONS.





Attitude representation by the attitude indicator corresponds to the relation of the aircraft to the real horizon.

MAIN PARTS OF AN ATTITUDE INDICATOR

□ HORIZONTAL CORRECTOR MOTOR OF THE PITCH

□ PITCH RESOLVER

□ ROLL RESOLVER

□ PITCH GIMBAL

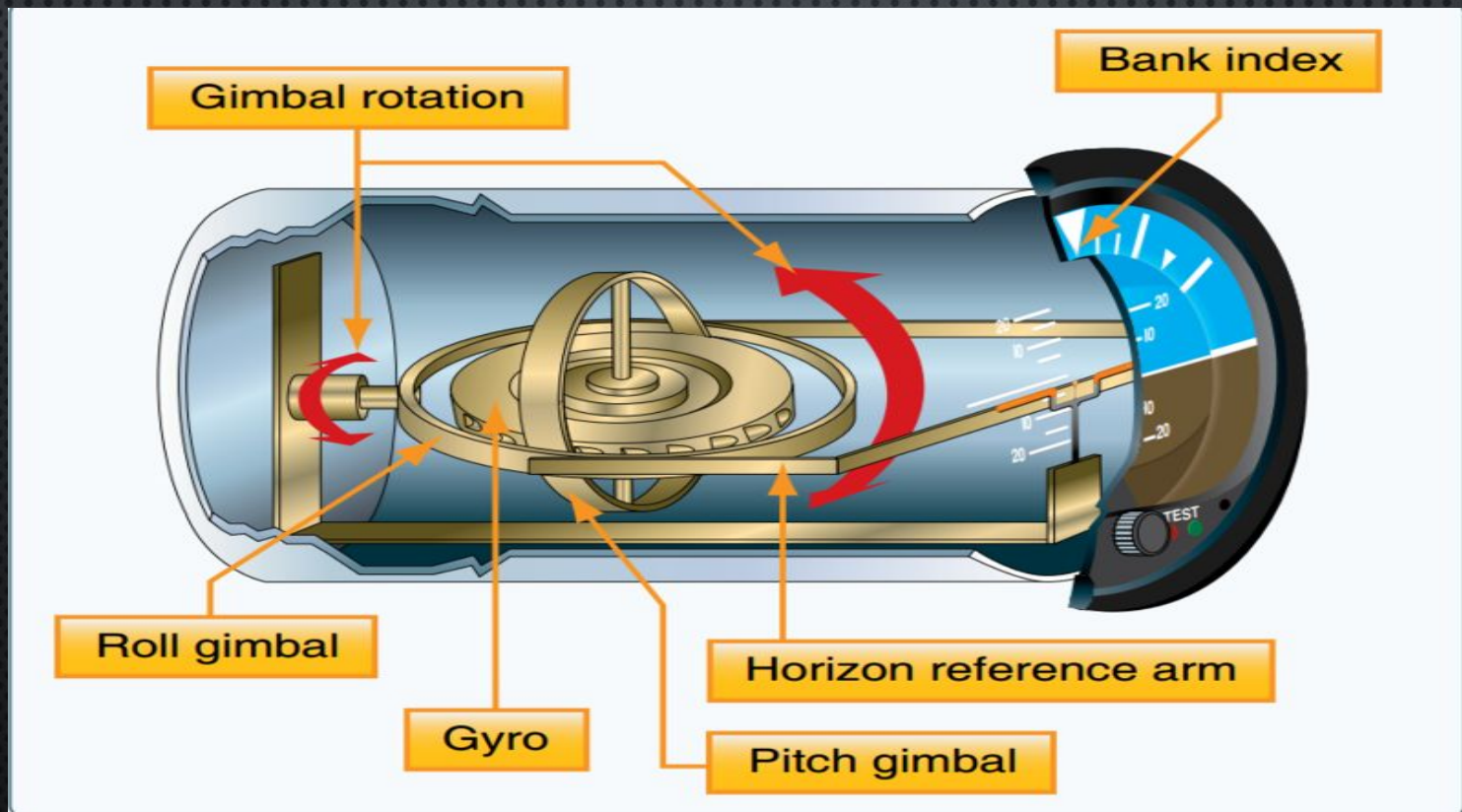
□ ROLL GIMBAL

□ HORIZONTAL CORRECTOR MOTOR OF THE ROLL

□ ROLL POINTER

□ DIRECTIONAL GYRO

THE ORIENTATION INDICATOR HAS A SMALL GYROSCOPE ASSEMBLY, WHICH IS MOUNTED IN SUCH A WAY THAT THE FLYWHEEL ROTATES IN A HORIZONTAL PLANE.



Attitude indicators are located on helicopter mi-8 because it is the main flight instrument

