

**Federal Aviation Administration, DOT****Pt. 27**

27.777 Cockpit controls.  
27.779 Motion and effect of cockpit controls.  
27.783 Doors.  
27.785 Seats, berths, litters, safety belts,  
and harnesses.  
27.787 Cargo and baggage compartments.  
27.801 Ditching.  
27.805 Flight crew emergency exits.  
27.807 Emergency exits.  
27.831 Ventilation.  
27.833 Heaters.

**FIRE PROTECTION**

27.853 Compartment interiors.  
27.855 Cargo and baggage compartments.  
27.859 Heating systems.  
27.861 Fire protection of structure, controls,  
and other parts.  
27.863 Flammable fluid fire protection.

**EXTERNAL LOADS**

27.865 External loads.

**MISCELLANEOUS**

27.871 Leveling marks.  
27.873 Ballast provisions.

**Subpart E—Powerplant****GENERAL**

27.901 Installation.  
27.903 Engines.  
27.907 Engine vibration.

**ROTOR DRIVE SYSTEM**

27.917 Design.  
27.921 Rotor brake.  
27.923 Rotor drive system and control mechanism tests.  
27.927 Additional tests.  
27.931 Shafting critical speed.  
27.935 Shafting joints.  
27.939 Turbine engine operating characteristics.

**FUEL SYSTEM**

27.951 General.  
27.952 Fuel system crash resistance.  
27.953 Fuel system independence.  
27.954 Fuel system lightning protection.  
27.955 Fuel flow.  
27.959 Unusable fuel supply.  
27.961 Fuel system hot weather operation.  
27.963 Fuel tanks: general.  
27.965 Fuel tank tests.  
27.967 Fuel tank installation.  
27.969 Fuel tank expansion space.  
27.971 Fuel tank sump.  
27.973 Fuel tank filler connection.  
27.975 Fuel tank vents.  
27.977 Fuel tank outlet.

**FUEL SYSTEM COMPONENTS**

27.991 Fuel pumps.  
27.993 Fuel system lines and fittings.

27.995 Fuel valves.  
27.997 Fuel strainer or filter.  
27.999 Fuel system drains.

**OIL SYSTEM**

27.1011 Engines: General.  
27.1013 Oil tanks.  
27.1015 Oil tank tests.  
27.1017 Oil lines and fittings.  
27.1019 Oil strainer or filter.  
27.1021 Oil system drains.  
27.1027 Transmissions and gearboxes: General.

**COOLING**

27.1041 General.  
27.1043 Cooling tests.  
27.1045 Cooling test procedures.

**INDUCTION SYSTEM**

27.1091 Air induction.  
27.1093 Induction system icing protection.

**EXHAUST SYSTEM**

27.1121 General.  
27.1123 Exhaust piping.

**POWERPLANT CONTROLS AND ACCESSORIES**

27.1141 Powerplant controls: general.  
27.1143 Engine controls.  
27.1145 Ignition switches.  
27.1147 Mixture controls.  
27.1151 Rotor brake controls.  
27.1163 Powerplant accessories.

**POWERPLANT FIRE PROTECTION**

27.1183 Lines, fittings, and components.  
27.1185 Flammable fluids.  
27.1187 Ventilation and drainage.  
27.1189 Shutoff means.  
27.1191 Firewalls.  
27.1193 Cowling and engine compartment covering.  
27.1194 Other surfaces.  
27.1195 Fire detector systems.

**Subpart F—Equipment****GENERAL**

27.1301 Function and installation.  
27.1303 Flight and navigation instruments.  
27.1305 Powerplant instruments.  
27.1307 Miscellaneous equipment.  
27.1309 Equipment, systems, and installations.  
27.1316 Electrical and electronic system lightning protection.  
27.1317 High-intensity Radiated Fields (HIRF) Protection.

**INSTRUMENTS: INSTALLATION**

27.1321 Arrangement and visibility.  
27.1322 Warning, caution, and advisory lights.  
27.1323 Airspeed indicating system.