

**FEDERAL AVIATION ADMINISTRATION
JOINT AIRCRAFT SYSTEM/COMPONENT CODE
TABLE AND DEFINITIONS**

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JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE

P R E F A C E

The Joint Aircraft System/Component (JASC) Code Table is a modified version of the Air Transport Association of America (ATA), Specification 100 code. It was developed by the FAA's, Regulatory Support Division (AFS-600).

Over the years, the JASC code format of the ATA Spec 100 code has gained widespread industry acceptance. In a harmonized effort, the FAA's counterparts in Australia and Canada have adopted the JASC code with only a few exceptions. Some Canadian aircraft manufacturers have also adopted this new standard.

This code table is constructed by using the new JASC code four (4) digit format, along with an abbreviated code title. The abbreviated titles have been modified in some cases to clarify the intended use of the accompanying code. This table can be used as a quick reference chart, to assist in the coding and review of aircraft structures or systems data (i.e., Service Difficulty Report (SDR), Accident/Incident Report (AID)).

The current coding scheme used in the JASC code was introduced in May 1991, for the technical classification of SDR's. Its predecessor, the FAA aircraft system/component code, is a similar but more complex eight-digit code, which was developed over 25 years ago. It was constructed around the computer technology of that period. It consisted of four digit numerical code plus four alpha character code to make data retrieval possible. Since that time, computer technology has advanced many fold. Reducing the code from eight to four characters simplifies coding, and in some cases, makes JASC coding match the ATA Specification 100 first three digits, which are used to identify aircraft systems. The ATA code does not reference the fourth digit, so it is free to be used for identifying components.

The JASC code aircraft structural section has increased due to problems inherent with aging aircraft. As an example, FAA code 5301 SXBD was expanded to 20 items due to the high rate of reporting in this area for the year 1989 (8021 reports were received). In some instances, there was very little reporting and codes were combined into other systems if the safety impact was not significant. The overall reduction in codes has been from 568 FAA codes to 488 JASC codes, with the significant increase being in the structural area as stated earlier.

The JASC code divides the engine section into two code groups to separate the turbine and reciprocating engines. The codes for the turbine engines are in JASC code Chapter 72, Turbine/Turboprop Engine. The codes for the reciprocating engines are now exclusively found in JASC code Chapter 85, Reciprocating Engine.

The other major deviation from ATA Spec 100 is in ATA section 2730, specifically involves the stall warning system. Early technology (primarily on smaller aircraft) directly linked the sensing of flight attitude to one of the components that furnished the means of manually controlling the flight attitude characteristics (elevator). Today, most large transport category aircraft utilize electronic units to sense the change in the environmental condition called stall, and use the data to influence navigation. ATA section 3410, Flight Environment Data, includes high-speed warning in its code definition. Stall warning (low speed) is the reciprocal term of high speed warning, so its filing under the same code appears more logical. Thus, with the JASC code it was decided to move the stall warning system to Chapter 34 under the separate JASC code 3418, Stall Warning System.

The FAA is continuing to pursue worldwide involvement from operators and manufacturers in addressing the need for international standardization of aircraft system/component codes. The ultimate goal is to develop a universal aircraft/component numbering standard which can be used in the manufacturer's maintenance manual, wiring diagram manual, system manuals and illustrated parts catalog. This harmonized standard must be a usable standard for the aircraft manufacturers, air carrier operators and the general aviation community.

We welcome comments and feedback regarding the possible forming of working groups to achieve this long range consideration of possibly harmonizing the ATA Specification 100 code and the JASC code.

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JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE

JASC/ TITLE

11 PLACARDS AND MARKINGS

1100 PLACARDS AND MARKINGS

12 SERVICING

1210 FUEL SERVICING
1220 OIL SERVICING
1230 HYDRAULIC FLUID SERVICING
1240 COOLANT SERVICING

14 HARDWARE

1400 MISCELLANEOUS HARDWARE
1410 HOSES AND TUBES
1420 ELECTRICAL CONNECTORS
1430 FASTENERS
1497 MISCELLANEOUS WIRING

18 HELICOPTER VIBRATION

1800 HELICOPTER VIB/NOISE ANALYSIS
1810 HELICOPTER VIBRATION ANALYSIS
1820 HELICOPTER NOISE ANALYSIS
1897 HELICOPTER VIBRATION SYSTEM WIRING

21 AIR CONDITIONING

2100 AIR CONDITIONING SYSTEM
2110 CABIN COMPRESSOR SYSTEM
2120 AIR DISTRIBUTION SYSTEM
2121 AIR DISTRIBUTION FAN
2130 CABIN PRESSURE CONTROL SYSTEM
2131 CABIN PRESSURE CONTROLLER
2132 CABIN PRESSURE INDICATOR
2133 PRESSURE REGUL/OUTFLOW VALVE
2134 CABIN PRESSURE SENSOR
2140 HEATING SYSTEM
2150 CABIN COOLING SYSTEM
2160 CABIN TEMPERATURE CONTROL SYSTEM
2161 CABIN TEMPERATURE CONTROLLER
2162 CABIN TEMPERATURE INDICATOR
2163 CABIN TEMPERATURE SENSOR
2170 HUMIDITY CONTROL SYSTEM
2197 AIR CONDITIONING SYSTEM WIRING

22 AUTO FLIGHT

2200 AUTO FLIGHT SYSTEM
2210 AUTOPILOT SYSTEM
2211 AUTOPILOT COMPUTER
2212 ALTITUDE CONTROLLER
2213 FLIGHT CONTROLLER
2214 AUTOPILOT TRIM INDICATOR
2215 AUTOPILOT MAIN SERVO

2216 AUTOPILOT TRIM SERVO
2220 SPEED-ATTITUDE CORRECT. SYSTEM
2230 AUTO THROTTLE SYSTEM
2250 AERODYNAMIC LOAD ALLEVIATING
2297 AUTOFLIGHT SYSTEM WIRING

23 COMMUNICATIONS

2300 COMMUNICATIONS SYSTEM
2310 HF COMMUNICATION SYSTEM
2311 UHF COMMUNICATION SYSTEM
2312 VHF COMMUNICATION SYSTEM
2320 DATA TRANSMISSION AUTO CALL
2330 ENTERTAINMENT SYSTEM
2340 INTERPHONE/PASSENGER PA SYSTEM
2350 AUDIO INTEGRATING SYSTEM
2360 STATIC DISCHARGE SYSTEM
2370 AUDIO/VIDEO MONITORING
2397 COMMUNICATION SYSTEM WIRING

24 ELECTRICAL POWER

2400 ELECTRICAL POWER SYSTEM
2410 ALTERNATOR-GENERATOR DRIVE
2420 AC GENERATION SYSTEM
2421 AC GENERATOR-ALTERNATOR
2422 AC INVERTER
2423 PHASE ADAPTER
2424 AC REGULATOR
2425 AC INDICATING SYSTEM
2430 DC GENERATING SYSTEM
2431 BATTERY OVERHEAT WARN. SYSTEM
2432 BATTERY/CHARGER SYSTEM
2433 DC RECTIFIER/CONVERTER
2434 DC GENERATOR-ALTERNATOR
2435 STARTER-GENERATOR
2436 DC REGULATOR
2437 DC INDICATING SYSTEM
2440 EXTERNAL POWER SYSTEM
2450 AC POWER DISTRIBUTION SYSTEM
2460 DC POWER/DISTRIBUTION SYSTEM
2497 ELECTRICAL POWER SYSTEM WIRING

25 EQUIPMENT/FURNISHINGS

2500 CABIN EQUIPMENT/FURNISHINGS
2510 FLIGHT COMPARTMENT EQUIPMENT
2520 PASSENGER COMPARTMENT EQUIPMENT
2530 BUFFET/GALLEYS
2540 LAVATORIES
2550 CARGO COMPARTMENTS
2551 AGRICULTURAL SPRAY SYSTEM
2560 EMERGENCY EQUIPMENT
2561 LIFE JACKET
2562 EMERGENCY LOCATOR BEACON
2563 PARACHUTE
2564 LIFE RAFT

2565 ESCAPE SLIDE
2570 ACCESSORY COMPARTMENT
2571 BATTERY BOX STRUCTURE
2572 ELECTRONIC SHELF SECTION
2597 EQUIP/FURNISHING SYSTEM WIRING

26 FIRE PROTECTION

2600 FIRE PROTECTION SYSTEM
2610 DETECTION SYSTEM
2611 SMOKE DETECTION
2612 FIRE DETECTION
2613 OVERHEAT DETECTION
2620 EXTINGUISHING SYSTEM
2621 FIRE BOTTLE, FIXED
2622 FIRE BOTTLE, PORTABLE
2697 FIRE PROTECTION SYSTEM WIRING

27 FLIGHT CONTROLS

2700 FLIGHT CONTROL SYSTEM
2701 CONTROL COLUMN SECTION
2710 AILERON CONTROL SYSTEM
2711 AILERON TAB CONTROL SYSTEM
2720 RUDDER CONTROL SYSTEM
2721 RUDDER TAB CONTROL SYSTEM
2722 RUDDER ACTUATOR
2730 ELEVATOR CONTROL SYSTEM
2731 ELEVATOR TAB CONTROL SYSTEM
2740 STABILIZER CONTROL SYSTEM
2741 STABILIZER POSITION INDICATING
2742 STABILIZER ACTUATOR
2750 TE FLAP CONTROL SYSTEM
2751 TE FLAP POSITION IND. SYSTEM
2752 TE FLAP ACTUATOR
2760 DRAG CONTROL SYSTEM
2761 DRAG CONTROL ACTUATOR
2770 GUST LOCK/DAMPER SYSTEM
2780 LE SLAT CONTROL SYSTEM
2781 LE SLAT POSITION IND. SYSTEM
2782 LE SLAT ACTUATOR
2797 FLIGHT CONTROL SYSTEM WIRING

28 FUEL

2800 AIRCRAFT FUEL SYSTEM
2810 FUEL STORAGE
2820 ACFT FUEL DISTRIB. SYSTEM
2821 ACFT FUEL FILTER/STRAINER
2822 FUEL BOOST PUMP
2823 FUEL SELECTOR/SHUT-OFF VALVE
2824 FUEL TRANSFER VALVE
2830 FUEL DUMP SYSTEM
2840 ACFT FUEL INDICATING SYSTEM
2841 FUEL QUANTITY INDICATOR
2842 FUEL QUANTITY SENSOR
2843 FUEL TEMPERATURE INDICATOR
2844 FUEL PRESSURE INDICATOR
2897 FUEL SYSTEM WIRING

29 HYDRAULIC POWER

2900 HYDRAULIC POWER SYSTEM
2910 HYDRAULIC SYSTEM, MAIN
2911 HYDRAULIC POWER ACCUMULATOR, MAIN
2912 HYDRAULIC FILTER, MAIN
2913 HYDRAULIC PUMP, (ELECT/ENG), MAIN
2914 HYDRAULIC HANDPUMP, MAIN
2915 HYDRAULIC PRESSURE RELIEF VLV, MAIN
2916 HYDRAULIC RESERVOIR, MAIN
2917 HYDRAULIC PRESSURE REGULATOR, MAIN

2920 HYDRAULIC SYSTEM, AUXILIARY
2921 HYDRAULIC ACCUMULATOR, AUXILIARY
2922 HYDRAULIC FILTER, AUXILIARY
2923 HYDRAULIC PUMP, AUXILIARY
2925 HYDRAULIC PRESSURE RELIEF, AUXILIARY
2926 HYDRAULIC RESERVOIR, AUXILIARY
2927 HYDRAULIC PRESSURE REGULATOR, AUX.
2930 HYDRAULIC INDICATING SYSTEM
2931 HYDRAULIC PRESSURE INDICATOR
2932 HYDRAULIC PRESSURE SENSOR
2933 HYDRAULIC QUANTITY INDICATOR
2934 HYDRAULIC QUANTITY SENSOR
2997 HYDRAULIC POWER SYSTEM WIRING

30 ICE AND RAIN PROTECTION

3000 ICE/RAIN PROTECTION SYSTEM
3010 AIRFOIL ANTI/DE-ICE SYSTEM
3020 AIR INTAKE ANTI/DE-ICE SYSTEM
3030 PITOT/STATIC ANTI-ICE SYSTEM
3040 WINDSHIELD/DOOR RAIN/ICE REMOVAL
3050 ANTENNA/RADOME ANTI-ICE/DE-ICE SYSTEM
3060 PROP/ROTOR ANTI-ICE/DE-ICE SYSTEM
3070 WATER LINE ANTI-ICE SYSTEM
3080 ICE DETECTION
3097 ICE/RAIN PROTECTION SYSTEM WIRING

31 INSTRUMENTS

3100 INDICATING/RECORDING SYSTEM
3110 INSTRUMENT PANEL
3120 INDEPENDENT INSTRUMENTS (CLOCK, ETC.)
3130 DATA RECORDERS (FLT/MAINT)
3140 CENTRAL COMPUTERS (EICAS)
3150 CENTRAL WARNING
3160 CENTRAL DISPLAY
3170 AUTOMATIC DATA
3197 INSTRUMENT SYSTEM WIRING

32 LANDING GEAR

3200 LANDING GEAR SYSTEM
3201 LANDING GEAR/WHEEL FAIRING
3210 MAIN LANDING GEAR
3211 MAIN LANDING GEAR ATTACH SECTION
3212 EMERGENCY FLOTATION SECTION
3213 MAIN LANDING GEAR STRUT/AXLE/TRUCK
3220 NOSE/TAIL LANDING GEAR
3221 NOSE/TAIL LANDING GEAR ATTACH SECTION
3222 NOSE/TAIL LANDING GEAR STRUT/AXLE
3230 LANDING GEAR RETRACT/EXTEND SYSTEM
3231 LANDING GEAR DOOR RETRACT SECTION
3232 LANDING GEAR DOOR ACTUATOR
3233 LANDING GEAR ACTUATOR
3234 LANDING GEAR SELECTOR
3240 LANDING GEAR BRAKE SYSTEM
3241 BRAKE ANTI-SKID SECTION
3242 BRAKE
3243 MASTER CYLINDER/BRAKE VALVE
3244 TIRE
3245 TIRE TUBE
3246 WHEEL/SKI/FLOAT
3250 LANDING GEAR STEERING SYSTEM
3251 STEERING UNIT
3252 SHIMMY DAMPER
3260 LANDING GEAR POSITION AND WARNING
3270 AUXILIARY GEAR (TAIL SKID)
3297 LANDING GEAR SYSTEM WIRING

33 LIGHTS

3300 LIGHTING SYSTEM
3310 FLIGHT COMPARTMENT LIGHTING
3320 PASSENGER COMPARTMENT LIGHTING
3330 CARGO COMPARTMENT LIGHTING
3340 EXTERIOR LIGHTING
3350 EMERGENCY LIGHTING
3397 LIGHT SYSTEM WIRING

34 NAVIGATION

3400 NAVIGATION SYSTEM
3410 FLIGHT ENVIRONMENT DATA
3411 PITOT/STATIC SYSTEM
3412 OUTSIDE AIR TEMP. IND./SENSOR
3413 RATE OF CLIMB INDICATOR
3414 AIRSPEED/MACH INDICATOR
3415 HIGH SPEED WARNING
3416 ALTIMETER, BAROMETRIC/ENCODER
3417 AIR DATA COMPUTER
3418 STALL WARNING SYSTEM
3420 ATTITUDE AND DIRECTION DATA SYSTEM
3421 ATTITUDE GYRO AND IND. SYSTEM
3422 DIRECTIONAL GYRO AND IND. SYSTEM
3423 MAGNETIC COMPASS
3424 TURN AND BANK/RATE OF TURN INDICATOR
3425 INTEGRATED FLT. DIRECTOR SYSTEM
3430 LANDING AND TAXI AIDS
3431 LOCALIZER/VOR SYSTEM
3432 GLIDE SLOPE SYSTEM
3433 MICROWAVE LANDING SYSTEM
3434 MARKER BEACON SYSTEM
3435 HEADS UP DISPLAY SYSTEM
3436 WIND SHEAR DETECTION SYSTEM
3440 INDEPENDENT POS. DETERMINING SYSTEM
3441 INERTIAL GUIDANCE SYSTEM
3442 WEATHER RADAR SYSTEM
3443 DOPPLER SYSTEM
3444 GROUND PROXIMITY SYSTEM
3445 AIR COLLISION AVOIDANCE SYSTEM (TCAS)
3446 NON RADAR WEATHER SYSTEM
3450 DEPENDENT POSITION DETERMINING SYSTEM
3451 DME/TACAN SYSTEM
3452 ATC TRANSPONDER SYSTEM
3453 LORAN SYSTEM
3454 VOR SYSTEM
3455 ADF SYSTEM
3456 OMEGA NAVIGATION SYSTEM
3457 GLOBAL POSITIONING SYSTEM
3460 FLIGHT MANAGE. COMPUTING HARDWARE SYS
3461 FLIGHT MANAGE. COMPUTING SOFTWARE SYS
3497 NAVIGATION SYSTEM WIRING

35 OXYGEN

3500 OXYGEN SYSTEM
3510 CREW OXYGEN SYSTEM
3520 PASSENGER OXYGEN SYSTEM
3530 PORTABLE OXYGEN SYSTEM
3597 OXYGEN SYSTEM WIRING

36 PNEUMATIC

3600 PNEUMATIC SYSTEM
3610 PNEUMATIC DISTRIBUTION SYSTEM
3620 PNEUMATIC INDICATING SYSTEM
3697 PNEUMATIC SYSTEM WIRING

37 VACUUM

3700 VACUUM SYSTEM
3710 VACUUM DISTRIBUTION SYSTEM
3720 VACUUM INDICATING SYSTEM
3797 VACUUM SYSTEM WIRING

38 WATER/WASTE

3800 WATER AND WASTE SYSTEM
3810 POTABLE WATER SYSTEM
3820 WASH WATER SYSTEM
3830 WASTE DISPOSAL SYSTEM
3840 AIR SUPPLY (WATER PRESS. SYSTEM)
3897 WATER/WASTE SYSTEM WIRING

45 CENTRAL MAINT. SYSTEM

4500 CENTRAL MAINT. COMPUTER
4597 CENTRAL MAINT. SYSTEM WIRING

49 AIRBORNE AUXILIARY POWER

4900 AIRBORNE APU SYSTEM
4910 APU COWLING/CONTAINMENT
4920 APU CORE ENGINE
4930 APU ENGINE FUEL AND CONTROL
4940 APU START/IGNITION SYSTEM
4950 APU BLEED AIR SYSTEM
4960 APU CONTROLS
4970 APU INDICATING SYSTEM
4980 APU EXHAUST SYSTEM
4990 APU OIL SYSTEM
4997 APU SYSTEM WIRING

51 STANDARD PRACTICES/STRUCTURES

5100 STANDARD PRACTICES/STRUCTURES
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52 DOORS

5200 DOORS
5210 PASSENGER/CREW DOORS
5220 EMERGENCY EXITS
5230 CARGO/BAGGAGE DOORS
5240 SERVICE DOORS
5241 GALLEY DOORS
5242 E/E COMPARTMENT DOORS
5243 HYDRAULIC COMPARTMENT DOORS
5244 ACCESSORY COMPARTMENT DOORS
5245 AIR CONDITIONING COMPART. DOORS
5246 FLUID SERVICE DOORS
5247 APU DOORS
5248 TAIL CONE DOORS
5250 FIXED INNER DOORS
5260 ENTRANCE STAIRS
5270 DOOR WARNING SYSTEM
5280 LANDING GEAR DOORS
5297 DOOR SYSTEM WIRING

53 FUSELAGE

5300 FUSELAGE STRUCTURE (GENERAL)
5301 AERIAL TOW EQUIPMENT
5302 ROTORCRAFT TAIL BOOM
5310 FUSELAGE MAIN, STRUCTURE
5311 FUSELAGE MAIN, FRAME
5312 FUSELAGE MAIN, BULKHEAD

5313 FUSELAGE MAIN, LONGERON/STRINGER
 5314 FUSELAGE MAIN, KEEL
 5315 FUSELAGE MAIN, FLOOR BEAM
 5320 FUSELAGE MISCELLANEOUS STRUCTURE
 5321 FUSELAGE FLOOR PANEL
 5322 FUSELAGE INTERNAL MOUNT STRUCTURE
 5323 FUSELAGE INTERNAL STAIRS
 5324 FUSELAGE FIXED PARTITIONS
 5330 FUSELAGE MAIN, PLATE/SKIN
 5340 FUSELAGE MAIN, ATTACH FITTINGS
 5341 FUSELAGE, WING ATTACH FITTINGS
 5342 FUSELAGE, STABILIZER ATTACH FITTINGS
 5343 LANDING GEAR ATTACH FITTINGS
 5344 FUSELAGE DOOR HINGES
 5345 FUSELAGE EQUIPMENT ATTACH FITTINGS
 5346 POWERPLANT ATTACH FITTINGS
 5347 SEAT/CARGO ATTACH FITTINGS
 5350 AERODYNAMIC FAIRINGS
 5397 FUSELAGE WIRING

54 NACELLES/PYLONS

5400 NACELLE/PYLON STRUCTURE
 5410 NACELLE/PYLON, MAIN FRAME
 5411 NACELLE/PYLON, FRAME/SPAR/RIB
 5412 NACELLE/PYLON, BULKHEAD/FIREWALL
 5413 NACELLE/PYLON, LONGERON/STRINGER
 5414 NACELLE/PYLON, PLATE SKIN
 5415 NACELLE/PYLON, ATTACH FITTINGS
 5420 NACELLE/PYLON MISCELLANEOUS STRUCTURE
 5497 NACELLE/PYLON SYSTEM WIRING

55 STABILIZERS

5500 EMPENNAGE STRUCTURE
 5510 HORIZONTAL STABILIZER STRUCTURE
 5511 HORIZONTAL STABILIZER, SPAR/RIB
 5512 HORIZONTAL STABILIZER, PLATE/SKIN
 5513 HORIZONTAL STABILIZER, TAB STRUCTURE
 5514 HORIZ STAB MISCELLANEOUS STRUCTURE
 5520 ELEVATOR STRUCTURE
 5521 ELEVATOR, SPAR/RIB STRUCTURE
 5522 ELEVATOR, PLATES/SKIN STRUCTURE
 5523 ELEVATOR, TAB STRUCTURE
 5524 ELEVATOR MISCELLANEOUS STRUCTURE
 5530 VERTICAL STABILIZER STRUCTURE
 5531 VERTICAL STABILIZER, SPAR/RIB STRUCTURE
 5532 VERTICAL STABILIZER, PLATES/SKIN
 5533 VENTRAL STRUCTURE
 5534 VERT. STAB. MISCELLANEOUS STRUCTURE
 5540 RUDDER STRUCTURE
 5541 RUDDER, SPAR/RIB
 5542 RUDDER, PLATE/SKIN
 5543 RUDDER, TAB STRUCTURE
 5544 RUDDER MISCELLANEOUS STRUCTURE
 5550 EMPENNAGE FLT. CONT., ATTACH FITTING
 5551 HORIZONTAL STABILIZER, ATTACH FITTING
 5552 ELEVATOR/TAB, ATTACH FITTINGS
 5553 VERT. STAB., ATTACH FITTINGS
 5554 RUDDER/TAB, ATTACH FITTINGS
 5597 STABILIZER SYSTEM WIRING

56 WINDOWS

5600 WINDOW/WINDSHIELD SYSTEM
 5610 FLIGHT COMPARTMENT WINDOWS
 5620 PASSENGER COMPARTMENT WINDOWS
 5630 DOOR WINDOWS
 5640 INSPECTION WINDOWS
 5697 WINDOW SYSTEM WIRING

57 WINGS

5700 WING STRUCTURE
 5710 WING, MAIN FRAME STRUCTURE
 5711 WING SPAR
 5712 WING, RIB/BULKHEAD
 5713 WING, LONGERON/STRINGER
 5714 WING, CENTER BOX
 5720 WING MISCELLANEOUS STRUCTURE
 5730 WING, PLATES/SKINS
 5740 WING, ATTACH FITTINGS
 5741 WING, FUSELAGE ATTACH FITTINGS
 5742 WING, NAC/PYLON ATTACH FITTINGS
 5743 WING, LANDING GEAR ATTACH FITTINGS
 5744 WING, CONTROL SURFACE ATTACH FITTINGS
 5750 WING, CONTROL SURFACES
 5751 AILERONS
 5752 AILERON TAB STRUCTURE
 5753 TRAILING EDGE FLAPS
 5754 LEADING EDGE DEVICES
 5755 SPOILERS
 5797 WING SYSTEM WIRING

61 PROPELLERS/PROPULSORS

6100 PROPELLER SYSTEM
 6110 PROPELLER ASSEMBLY
 6111 PROPELLER BLADE SECTION
 6112 PROPELLER DE-ICE BOOT SECTION
 6113 PROPELLER SPINNER SECTION
 6114 PROPELLER HUB SECTION
 6120 PROPELLER CONTROLLING SYSTEM
 6121 PROPELLER SYNCHRONIZER SECTION
 6122 PROPELLER GOVERNOR
 6123 PROPELLER FEATHERING/REVERSING
 6130 PROPELLER BRAKING
 6140 PROPELLER INDICATING SYSTEM
 6197 PROPELLER/PROPULSORS SYSTEM WIRING

62 MAIN ROTOR

6200 MAIN ROTOR SYSTEM
 6210 MAIN ROTOR BLADES
 6220 MAIN ROTOR HEAD
 6230 MAIN ROTOR MAST/SWASHPLATE
 6240 MAIN ROTOR INDICATING SYSTEM
 6297 MAIN ROTOR SYSTEM WIRING

63 MAIN ROTOR DRIVE

6300 MAIN ROTOR DRIVE SYSTEM
 6310 ENGINE/TRANSMISSION COUPLING
 6320 MAIN ROTOR GEARBOX
 6321 MAIN ROTOR BRAKE
 6322 ROTORCRAFT COOLING FAN SYSTEM
 6330 MAIN ROTOR TRANSMISSION MOUNT
 6340 ROTOR DRIVE INDICATING SYSTEM
 6397 MAIN ROTOR DRIVE SYSTEM WIRING

64 TAIL ROTOR

6400 TAIL ROTOR SYSTEM
 6410 TAIL ROTOR BLADES
 6420 TAIL ROTOR HEAD
 6440 TAIL ROTOR INDICATING SYSTEM
 6497 TAIL ROTOR SYSTEM WIRING

65 TAIL ROTOR DRIVE

6500 TAIL ROTOR DRIVE SYSTEM
6510 TAIL ROTOR DRIVE SHAFT
6520 TAIL ROTOR GEARBOX
6540 TAIL ROTOR DRIVE INDICATING SYSTEM
6597 TAIL ROTOR DRIVE SYSTEM WIRING

67 ROTORS FLIGHT CONTROL

6700 ROTORCRAFT FLIGHT CONTROL
6710 MAIN ROTOR CONTROL
6711 TILT ROTOR FLIGHT CONTROL
6720 TAIL ROTOR CONTROL SYSTEM
6730 ROTORCRAFT SERVO SYSTEM
6797 ROTORS FLIGHT CONTROL SYSTEM WIRING

71 POWERPLANT

7100 POWERPLANT SYSTEM
7110 ENGINE COWLING SYSTEM
7111 ENGINE COWL FLAPS
7112 ENGINE AIR BAFFLE SECTION
7120 ENGINE MOUNT SECTION
7130 ENGINE FIRESEALS
7160 ENGINE AIR INTAKE SYSTEM
7170 ENGINE DRAINS
7197 POWERPLANT SYSTEM WIRING

72 TURBINE/TURBOPROP ENGINE

7200 ENGINE (TURBINE/TURBOPROP)
7210 TURBINE ENGINE REDUCTION GEAR
7220 TURBINE ENGINE AIR INLET SECTION
7230 TURBINE ENGINE COMPRESSOR SECTION
7240 TURBINE ENGINE COMBUSTION SECTION
7250 TURBINE SECTION
7260 TURBINE ENGINE ACCESSORY DRIVE
7261 TURBINE ENGINE OIL SYSTEM
7270 TURBINE ENGINE BYPASS SECTION
7297 TURBINE ENGINE SYSTEM WIRING

73 ENGINE FUEL AND CONTROL

7300 ENGINE FUEL AND CONTROL
7310 ENGINE FUEL DISTRIBUTION
7311 ENGINE FUEL/OIL COOLER
7312 FUEL HEATER
7313 FUEL INJECTOR NOZZLE
7314 ENGINE FUEL PUMP
7320 FUEL CONTROLLING SYSTEM
7321 FUEL CONTROL/TURBINE ENGINES
7322 FUEL CONTROL/RECEIPROCATING ENGINES

7323 TURBINE GOVERNOR
7324 FUEL DIVIDER
7330 ENGINE FUEL INDICATING SYSTEM
7331 FUEL FLOW INDICATING
7332 FUEL PRESSURE INDICATING
7333 FUEL FLOW SENSOR
7334 FUEL PRESSURE SENSOR
7397 ENGINE FUEL SYSTEM WIRING

74 IGNITION

7400 IGNITION SYSTEM
7410 IGNITION POWER SUPPLY
7411 LOW TENSION COIL
7412 EXCITER
7413 INDUCTION VIBRATOR

7414 MAGNETO/DISTRIBUTOR
7420 IGNITION HARNESS (DISTRIBUTION)
7421 SPARK PLUG/IGNITER
7430 IGNITION/STARTER SWITCHING
7497 IGNITION SYSTEM WIRING

75 AIR

7500 ENGINE BLEED AIR SYSTEM
7510 ENGINE ANTI-ICING SYSTEM
7520 ENGINE COOLING SYSTEM
7530 COMPRESSOR BLEED CONTROL
7531 COMPRESSOR BLEED GOVERNOR
7532 COMPRESSOR BLEED VALVE
7540 BLEED AIR INDICATING SYSTEM
7597 ENGINE BLEED AIR SYSTEM WIRING

76 ENGINE CONTROLS

7600 ENGINE CONTROLS
7601 ENGINE SYNCHRONIZING
7602 MIXTURE CONTROL
7603 POWER LEVER
7620 ENGINE EMERGENCY SHUTDOWN SYSTEM
7697 ENGINE CONTROL SYSTEM WIRING

77 ENGINE INDICATING

7700 ENGINE INDICATING SYSTEM
7710 POWER INDICATING SYSTEM
7711 ENGINE PRESSURE RATIO (EPR)
7712 ENGINE BMEP/TORQUE INDICATING
7713 MANIFOLD PRESSURE (MP) INDICATING
7714 ENGINE RPM INDICATING SYSTEM
7720 ENGINE TEMP. INDICATING SYSTEM
7721 CYLINDER HEAD TEMP (CHT) INDICATING
7722 ENG. EGT/TIT INDICATING SYSTEM
7730 ENGINE IGNITION ANALYZER SYSTEM
7731 ENGINE IGNITION ANALYZER
7732 ENGINE VIBRATION ANALYZER
7740 ENGINE INTEGRATED INSTRUMENT SYSTEM
7797 ENGINE INDICATING SYSTEM WIRING

78 ENGINE EXHAUST

7800 ENGINE EXHAUST SYSTEM
7810 ENGINE COLLECTOR/TAILOPIPE/NOZZLE
7820 ENGINE NOISE SUPPRESSOR
7830 THRUST REVERSER
7897 ENGINE EXHAUST SYSTEM WIRING

79 ENGINE OIL

7900 ENGINE OIL SYSTEM (AIRFRAME)
7910 ENGINE OIL STORAGE (AIRFRAME)
7920 ENGINE OIL DISTRIBUTION (AIRFRAME)
7921 ENGINE OIL COOLER
7922 ENGINE OIL TEMP. REGULATOR
7923 ENGINE OIL SHUTOFF VALVE
7930 ENGINE OIL INDICATING SYSTEM
7931 ENGINE OIL PRESSURE
7932 ENGINE OIL QUANTITY
7933 ENGINE OIL TEMPERATURE
7997 ENGINE OIL SYSTEM WIRING

80 STARTING

8000 ENGINE STARTING SYSTEM
8010 ENGINE CRANKING
8011 ENGINE STARTER

8012 ENGINE START VALVES/CONTROLS
8097 ENGINE STARTING SYSTEM WIRING

81 TURBOCHARGING

8100 EXHAUST TURBINE SYSTEM (RECIP)
8110 POWER RECOVERY TURBINE (RECIP)
8120 EXHAUST TURBOCHARGER
8197 TURBOCHARGING SYSTEM WIRING

82 WATER INJECTION

8200 WATER INJECTION SYSTEM
8297 WATER INJECTION SYSTEM WIRING

83 ACCESSORY GEARBOXES

8300 ACCESSORY GEARBOXES
8397 ACCESSORY GEARBOX SYSTEM WIRING

85 RECIPROCATING ENGINE

8500 ENGINE (RECIPROCATING)
8510 RECIPROCATING ENGINE FRONT SECTION
8520 RECIPROCATING ENGINE POWER SECTION
8530 RECIPROCATING ENGINE CYLINDER SECTION
8540 RECIPROCATING ENGINE REAR SECTION
8550 RECIPROCATING ENGINE OIL SYSTEM
8560 RECIPROCATING ENGINE SUPERCHARGER
8570 RECIPROCATING ENGINE LIQUID COOLING
8597 RECIPROCATING ENGINE SYSTEM WIRING

SYSTEM CODES - TITLE DEFINITIONS

AIRCRAFT

11 - Placards and Markings

1100 Placards and Markings

For reports on all placards, decals, and markings installed by the manufacturer including those required by government regulations. The report should include the system or component involved. The aircraft make and model is required. The location of the item is essential for a meaningful report. Such information should be extracted from the text and entered in the proper data fields (Example: Item = placard; location = entrance door; part condition = missing. Text= the "closed and locked" decal is missing from the main passenger entrance door).

12 - Servicing

1210 Fuel Servicing

For reports indicating a problem relating to any type of aviation fuel. The general instructions are not applicable to any particular system.

1220 Oil Servicing

For reports indicating a problem relating to aviation lubricating oil. The general instructions are not applicable to any particular system.

1230 Hydraulic Fluid Servicing

For reports which indicate a problem with any type of hydraulic fluid. The general instructions are not applicable to any particular system.

1240 Coolant Servicing

For reports indicating a problem with any type of engine coolant used in aircraft. The general instructions are not applicable to any particular system.

14 – Hardware

1400 Miscellaneous Hardware

For miscellaneous parts that are not associated with an installed aircraft component or system. Use this code when there is insufficient information to file in a more specific JASC 1400 series code.

1410 Hoses and Tubes

For reports indicating a problem with any aircraft or engine hose or that are not associated a specific aircraft system.

1420 Electrical Connectors

For reports indicating a problem with any aircraft or engine electrical connector that is not associated a specific aircraft system.

1430 Fasteners

For reports indicating a problem with any aircraft or engine fastener that are not associated a specific aircraft system. Typical parts are generic AN bolts, nuts, rivets. etc.

1497 Miscellaneous Wiring

For reports indicating a problem with any aircraft or engine wiring that is not associated a specific aircraft system.

18 - Helicopter Vibration

1800 Helicopter Vibration/Noise Analysis

The units and components enabling operators to monitor and diagnose vibration and noise levels in order to identify imbalance, damage, or misalignment in helicopter components.

1810 Helicopter Vibration Analysis

For reports of equipment necessary to monitor, measure, diagnose, and locate sources of vibration in dynamic and structural components.

1820 Helicopter Noise Vibration

For reports of equipment necessary to monitor, measure, diagnose and locate sources of noise in dynamic and structural components.

1897 Helicopter Vibration System Wiring

For reports indicating a problem with wiring used on equipment necessary to monitor, measure, diagnose and locate sources of noise in dynamic and structural components.

AIRFRAME SYSTEMS

21 - Air Conditioning

2100 Air Conditioning System

For miscellaneous parts that cannot be associated with specific air conditioning, pressurization, or distribution codes. Examples are lines, hoses, etc., with no reference to the specific using system on the incoming report. Also, for those units and components furnishing a means of pressurizing, heating, cooling, moisture controlling, filtering, and treating the air used to ventilate areas of the fuselage within the pressure vessel.

2110 Cabin Compressor System

The system and its controls supplying compressed air to the cabin. For reported problems with the compressor unit and not the associated system. Related entries should include the component manufacturer's make, model, and the specific defective part by name and part number. Typical parts are controls and indicating systems related to the compressors, wiring, etc.

2120 Air Distribution System

The system used to induct and distribute air. Does not include valves that are a part of the temperature control, pressurization, or the distribution fan. Typical parts are equipment rack cooling systems, ozone converters, scoops, ducting, inlets, check valves, wiring, etc.

2121 Air Distribution Fan

For reports pertaining to the fan/blower including associated motor which distributes air within the confine for comfort or equipment cooling. Typical parts are bearing, bushing, motor, etc.

2130 Cabin Pressure Control System

For reports of miscellaneous system components or parts other than the controller, indicator, sensor, regulator, or outflow valves. Typical parts are amplifier, switch, electrical connector, etc.

2131 Cabin Pressure Controller

For the reports pertaining to the controller units only and not for the system. The defective part should be identified by the part name and part number whenever possible.

2132 Cabin Pressure Indicator

For reports of the cabin pressurization system, pressure indicators, and associated system parts.

2133 Pressure Regulator/Outflow Valve

For reports of outflow/dump valves and associated parts such as linkage, filter, diaphragm, etc.

2134 Cabin Pressure Sensor

The units and systems, which measure differential, pressure and transmit a signal. Typical parts are pressure switch, transducer, etc.

2140 Heating System

The units and systems supplying heated air to the cockpit or cabin. Includes the heat source (heater), controlling aspects, and temperature sensors/indicators. Typical parts are fuel pump, filter, plumbing, circuitry, relay, heat exchanger, igniter, etc.

2150 Cabin Cooling System

The units and systems supplying cooled air to the cockpit or cabin. Does not include the temperature control and indicating system. Typical parts are flow valve, relay, condenser, ram air sensor, heat exchanger, cooling turbine, air cycle machine, etc.

2160 Cabin Temperature Control System

The units and circuitry other than the control unit which are used for controlling the temperature of the air in the cockpit and cabin. Typical parts are control valves, thermal sensing devices, switches, amplifiers, and wiring.

2161 Cabin Temperature Controller

For reports of the parts within the cabin temperature control unit. A typical entry would only reference the "control unit" if specific part numbers are not available.

2162 Cabin Temperature Indicator

For reports of the indicators, lamps and associated circuitry which indicates the air temperature in the cabin.

2163 Cabin Temperature Sensor

For reports of the sensors and associated circuitry sensing the temperature of the air in the cabin and relays a signal to the indicator.

2170 Humidity Control System

For reports of system parts that control humidity. Typical parts are bag, sock, filter, moisture separator, etc.

2197 Air Conditioning System Wiring

For reports indicating a problem with wiring specific to the Air Conditioning System.

22 - Auto Flight

2200 Auto Flight System

The units and components that furnish a means of automatically controlling flight of the aircraft. Includes those units and components controlling direction, heading, attitude, altitude, and speed. Use this code when there is insufficient information to file in a more specific JASC 2200 series code.

2210 Autopilot System

For reports of miscellaneous parts associated with the autopilot system used for controlling attitude and direction. Typical parts are yaw damper, cable, switch, sensor, relay, etc. The major components such as computer, servo, and controller are to be filed in the specific JASC 2200 series code.

2211 Autopilot Computer

For reports pertaining to the autopilot computer only. Typical parts are resistor, circuit board, capacitor, or power supply, etc.

2212 Altitude Controller

The units transmitting output information signals to automatically maintain a predetermined altitude, rate of climb, or descent. Does not include the connecting system parts such as the sensor switch. The controller make and model should be included.

2213 Flight Controller

The command unit of an autopilot system. It is manually operated to generate signals which cause the aircraft to climb, dive, or perform coordinated turns. The controller make and model should be included.

2214 Autopilot Trim Indicator

The instrument and associated circuitry that indicates the trim position selected by the pilot.

2215 Autopilot Main Servo

The unit mechanically connected to primary flight control actuating mechanisms, which is used to mechanically reposition control surfaces in accordance with electrical or pneumatic signals from a controller.

2216 Autopilot Trim Servo

The units mechanically connected to flight control cables, etc., for making minor corrections in aircraft attitude or direction.

2220 Speed-Attitude Correction System

The system which automatically maintains safe flight conditions by correcting for effects of speed and out-of-trim conditions by such means as automatic trim, mach trim, or speed stability and mach feel. This includes sensing, computing, actuating, indicating, internal monitoring, warning devices, etc.

2230 Auto Throttle System

The system that automatically controls the position of the throttles to properly manage engine power during all phases of flight/attitude. This includes engaging, sensing, computing, amplifying, controlling, actuating and warning devices. Typical parts are amplifiers, computers, servos, limit switches, clutches, gearboxes, warning lights, etc.

2250 Aerodynamic Load Alleviating

The system that automatically corrects and provides for gust loading/upset, aerodynamic augmentation, alleviation, suppression, ride control, etc. This includes sensing, computing, actuating, indicating, internal monitoring, warning devices, etc.

2297 Auto Flight System Wiring

For reports indicating a problem with wiring specific to the Autoflight/Auto Pilot System.

23 - Communications

2300 Communications System

The units and components furnishing a means of communicating from one part of the aircraft to another and between the aircraft or ground stations, includes voice, data, continuous wave (C-W) communicating components, passenger announcement systems, intercom, inflight telephones, and tape reproducers-record player. Use this code when insufficient information is reported to file in a more specific JASC 2300 series code. Also for reports of units or parts common to more than one communication system.

2310 HF Communications System

The system parts and circuitry including the receiver, transmitter, and antenna used exclusively in the high frequency (HF) communications.

2311 UHF Communications System

The system parts and circuitry including the receiver, transmitter, and antenna used exclusively for ultra high frequency (UHF) communications.

2312 VHF Communications System

The system parts and circuitry including the receiver, transmitter, and antenna used exclusively for very high frequency (VHF) communications.

2320 Data Transmission Auto Call

The system components and parts which presents data derived from pulse coded transmissions. Includes "selective calling" (SELCAL), "aircraft communications addressing and reporting system" (ACARS), teleprinter, etc.

2330 Entertainment System

For reports on passenger entertainment system or components such as amplifier, cassette recorder player, control panel, speaker, video equipment, etc.

2340 Interphone/Passenger Announcement (PA) System

For reports on the interphone/passenger announcement (PA) system, including the amplifier used for communication by flight and ground personnel to communicate between areas on the aircraft.

2350 Audio Integrating System

For reports of the system components and parts including the control panel and amplifier which controls output of communications and navigation receivers into flight crew headphones and speakers. Also includes output from microphones into communications transmitters. Typical parts are microphones, cockpit speakers, and headphones, etc.

2360 Static Discharge System

The parts dissipating static electricity. Does not include bonding straps on engine or airframe used to assure paths for DC current, which are filed in JASC code 2430. Typical parts are wick, bonding strap, etc.

2370 Audio/Video Monitoring

For reports on installations that record or monitor crew or passenger conversation or movement for security or safety purposes. Includes voice recorder, television, monitor, etc.

2397 Communications System Wiring

For reports indicating a problem with wiring specific to the Communications Systems.

24 - Electrical Power

2400 Electrical Power System

The electrical units and components that generate, control, and supply AC/DC electrical power for other systems through the secondary busses. For reports on electric power generating system parts and circuitry other than major components reported with insufficient information to file in a specific JASC 2400 series code. Typical parts are circuit breaker, relay, connector, resistor, wire bundles, switches, etc.

2410 Alternator-Generator Drive

For reports on alternator and generator drives mounted on reciprocating "opposed" type engines. Does not include alternator cases. Typical parts are bracket, pulley, belt, link, idler pulley, bolt, drive shaft and gears that stay with the alternator. Also for reports on constant speed drive (CSD) unit mounted on turbine engines to drive alternating current (AC) producing alternators at a predetermined and constant RPM. Typical parts are shaft seal, shaft, etc.

2420 AC Generation System

For reports of system parts other than the alternator, regulator, AC inverter or phase adapter generating an alternating current for aircraft which incorporate an alternating current electrical system. Used primarily with large, turbine engine powered aircraft. Does not include the using systems.

2421 AC Generator-Alternator

The engine driven component that generates alternating current (AC) for aircraft with AC electrical systems. Does not include AC alternators on light piston-engine power aircraft with direct current (DC) electrical systems. Does not include single units used for both engine starting and electric power generating. Typical parts are bearing, shaft, housing, and integrated drive generator (IDG) which contains both AC and DC generators.

2422 AC Inverter

The component which converts direct current to alternating current.

2423 Phase Adapter

The component used to change the alternating current (AC) phase of output for specific using equipment.

2424 AC Regulator

The component that regulates the AC voltage from the alternator-generator to maintain a set voltage output for the using systems (i.e., generator control unit).

2425 AC Indicating System

The equipment indicating, voltage, current flow, and system faults in the AC power systems.

2430 DC Generating System

The system parts and circuitry other than the generator/alternator and DC generation system regulator used to generate a direct current (DC); or from an alternator, the output of which is rectified to DC. Typical parts are relay, switch, connector, terminal, sensor, reverse current relay, etc. Such systems are more prevalent on light single and twin-engine aircraft.

2431 Battery Overheat Warning System

The system parts that sense and warn/indicate of a battery overtemperature condition. Typical parts are sensor, lamp, gauge, etc.

2432 Battery/Charger System

The component providing a source of DC voltage and current flow independent of rotating generators and alternators. Typical parts are battery charger, cell, case, post, etc.

2433 DC Rectifier/Converter

The component which converts AC current for the using systems.

2434 DC Generator-Alternator

The engine driven component generating a direct current (DC) or a rectified alternating current for aircraft with DC electrical systems. For reports of alternators on light aircraft with piston engines. Does not include mounting brackets, drive belts and pulleys external to the unit. Typical parts are bearing, housing, coupling, fan, capacitor, drive, brush, seal, clutch, armature and bell, shaft, field winding, case bolt, ground stud, etc.

2435 Starter-Generator

The single component used for both engine starting and direct current generation on turbine engines. Typical parts are bearing, shaft, brush, fan, retainer ring, armature, brush, housing, end bell, terminal, etc.

2436 DC Regulator

The component that regulates direct current voltage from a generator or alternator.

2437 DC Indicating System

The equipment indicating voltage, current flow, and system faults in the DC power systems.

2440 External Power System

The electrical system within the aircraft which is used to connect external power to the aircraft's electrical system. Does not include the external power supply units. Typical parts are receptacle, switch, indicator lamp, etc.

2450 AC Power Distribution System

The electrical system providing for connection of AC power to using systems. Does not include the using system. Typical parts are main and secondary system buss, circuit breaker, limiter, jumper, load meter switch, etc.

2460 DC Power Distribution System

The electrical system which provides for connection of DC power to using systems. Does not include using system. Typical parts are main and secondary system buss, circuit breaker, buss tie breaker, limiter, jumper, load motor switch, etc.

2497 Electrical Power System Wiring

For reports indicating a problem with wiring specific to the Electrical Power Systems not reportable in the Power Distribution Systems.

25 - Equipment/Furnishings

2500 Cabin Equipment/Furnishings

The removable items of equipment and furnishings mounted or contained in the flight, passenger, cargo, accessory compartments, and areas described in other JASC 2500 series codes shown below. Does not include structure or equipment assigned specifically to other JASC codes.

2510 Flight Compartment Equipment

The removable equipment and furnishings within the cockpit or crew station of a general nature and not specifically covered in other JASC 2500 series codes. Typical parts are seats, shoulder harnesses, take-up harness reels, seat belts, sun visors, panels, map case, attach brackets and hardware, etc.

2520 Passenger Compartment Equipment

The removable equipment and furnishings within the cabin of a general nature and not specifically covered in other JASC codes. Typical parts are seats, seat belts, hat rack, coat closet, panel, including passenger comfort items such as personal blankets, pillows, etc.

2530 Buffet/Galleys

For reports pertaining to any of the galley equipment. Typical parts are hot plate, coffeepot, food carts, ovens, tray, pad, relay, switch, connector, dispenser, etc.

2540 Lavatories

The units and associated systems and parts located in lavatories. Does not include wash basins and other waste disposal items in JASC code 3830. Typical parts are trash containers, dispensers, etc.

2550 Cargo Compartments

The compartments for the storage of baggage and cargo including external mounted pods. Does not include the exterior door, hinges and latches which are filed in JASC code 5230. Typical parts are tie downs, restraint nets, and equipment for loading and unloading cargo (includes external load handling equipment).

2551 Agricultural Spray System

For reports of aerial application equipment such as hopper, tank, spray nozzle, boom, pump, bracket, valve.

2560 Emergency Equipment

The components, parts, and systems carried for emergency use other than those specifically referenced in other JASC 2500 series codes. Does not include fire extinguishes, oxygen equipment, and flashlight. Flashlights are filed under JASC code 3350. Escape slide girt bars are filed under this code.

2561 Life Jacket

For reports of defective parts of life jackets used for flotation of individual persons. Include the life jacket make and model in the report if available.

2562 Emergency Locator Beacon

The components transmitting an electronic signal on an emergency frequency to assist in locating a crashed aircraft. Typical parts are impact switch, antenna, battery pack, etc.

2563 Parachute

For the reporting of defective parts of parachutes used for reducing landing roll distance as well as for personnel jumping. The parachute make and model is beneficial if available.

2564 Life Raft

The inflatable component which provides emergency flotation for two or more persons in event of ditching in water. Typical parts are bottle, valve, oral pump, etc.

2565 Escape Slide

The inflatable component which enables rapid evacuation from an aircraft cabin to ground level during emergencies on the ground. The slide should be identified by make and model if possible and should include location. Typical parts are valve, bottle, inflation handle, mount brackets, door, latch, etc.

2570 Accessory Compartment

The compartments for the housing of various components or accessories with insufficient information to file in a more specific JASC 2500 series code.

2571 Battery Box Structure

The structure supporting, vents, and provides overboard draining for aircraft batteries. Typical parts are vent cap, drain tube, insulator, cover, etc.

2572 Electronic Shelf Section

The shelves and attaching parts supporting the electronic equipment within the fuselage. Does not include the equipment used for equipment cooling such as fans, and blower motors.

2597 Equipment/Furnishings Wiring

For reports indicating a problem with wiring specific to the Equipment/Furnishing Systems.

26 - Fire Protection

2600 Fire Protection System

The fixed and portable units and components which detect and indicate fire or smoke, and store and distribute fire extinguishing agent to all protected areas of the aircraft. For reports of a general nature with insufficient information to file in a more specific JASC 2600 series code.

2610 Detection System

The system used to sense and indicate the presence of overheat or fire in all protected areas. Reporting the specific location of the defective part is essential. Use this code when there is insufficient information to file in a more specific JASC 2610 series code.

2611 Smoke Detection

The system used to sense and indicate the presence of smoke in all protected areas of the aircraft. Reporting the specific location of a defective part is essential. Typical parts are detector, sensor, wiring, relay, amplifier, test circuit, etc.

2612 Fire Detection

The system used to sense and indicate the presence of fire in all protected areas of the aircraft. Typical parts are detector, sensor, wiring, relay, amplifier, test circuit, etc. Reporting the specific location of a defective part is essential.

2613 Overheat Detection

The system used to sense and indicate the presence of an overheat condition in all protected areas of the aircraft. Reporting the specific location of a defective part is essential. Typical parts are detector, sensor, wiring, relay, amplifier, test circuit, etc.

2620 Extinguishing System

For reports of the components and parts other than the fixed or portable bottles used to extinguish fire. Typical parts are valve, squib, control module, switch, tubing, etc.

2621 Fire Bottle, Fixed

The fixed fire bottle and associated parts that store extinguishing agent under pressure. Typical parts are bottle, cartridge, and bracket.

2622 Fire Bottle, Portable

The portable fire extinguishes mounted within the flight compartment and cabin.

2697 Fire Protection System Wiring

For reports indicating a problem with wiring specific to the Fire Protection System.

27 - Flight Controls

2700 Flight Control System

The units and components furnishing a means of manually controlling the flight attitude characteristics of the aircraft. Also includes the functioning and maintenance aspects of the flaps, spoilers and other control surfaces, but does not include the structure, which is covered in the Structures JASC Chapters 55 or 57. Use this code for reports of flight control problems of a general nature involving two or more systems, or that contain insufficient information to file in a more specific JASC 2700 series code. An example would be a cable defect reported without reference to the using system or an interconnect between two systems. Does not include rotorcraft flight controls, which are covered in the JASC Rotor Chapter 67. Typical parts are hydraulic boost system, controls, mounting brackets, etc.

2701 Control Column Section

The component and associated parts mounted onto the control wheel, which transmits motion from the cockpit to connecting cables, pushrods, etc., to actuate the aileron and elevator, stabilator, ruddervator control surfaces. Includes control sticks in aircraft not equipped with control wheels. Typical parts are bearing, socket, guide, bushing, pulley bracket, sprocket, chain, stops, etc.

2710 Aileron Control System

The system components and parts from the control column to the aileron surface that cause actuation (deflection). Includes manual and power assisted systems but does not include the autopilot actuation mechanism which is filed in JASC Chapter 22. Also includes brackets for the support or attachment of pulleys, pushrods, and bellcranks. Does not include control surface hinges or structure filed in JASC code 5700. Typical parts are actuator, valve, rod end, pulley, cable, bellcrank, turnbuckle, stops, etc.

2711 Aileron Tab Control System

The system components and parts controlling movement and position of the trim tab on the aileron. Includes the cockpit control. Typical parts are jackscrew, cable, pulley, turnbuckle, stops, etc.

2720 Rudder Control System

The system components and parts from the cockpit pedals to the rudder surface which cause movement. Includes manual and power assisted systems other than the actuator and autopilot actuating mechanism. Also includes brackets for the support or attachment of pulleys, pushrods, and bellcranks. Does not include control surface hinges or structure (filed in JASC code 5540) or the yaw dampers (filed in JASC code 2210). Typical parts are cable, rod end, turnbuckle, bolt, pedal, spring, torque tube, control valve, stops, etc.

2721 Rudder Tab Control System

The system components and parts of the rudder trim control system, from the cockpit control to the rudder that causes deflection. Does not include hinges or structure, which are filed in JASC code 5543, or the yaw dampers, which are filed in JASC code 2210. Typical parts are actuator, actuator bracket, cable, pulley, chain, rod end, bellcrank, etc.

2722 Rudder Actuator

The system components and parts which actuate the rudder. Typical parts are motor, actuator, actuator bracket, jackscrew, rod-end, seals, etc.

2730 Elevator Control System

The system components and parts including actuator from the control column to the elevators that cause movement. Includes control-actuating mechanism for "ruddervators" installed on "V" tail aircraft. Does not include hinges, structure, and balance weights filed in JASC code 5520, or the autopilot servo in JASC code 2216. Typical parts are torque tube, cable, rod end, stops, actuator, feel computer, bracket, control valve, bob weight, etc.

2731 Elevator Tab Control System

The system components and parts from the cockpit trim control to the elevator, ruddervator or stabilator tab, which controls position and movement. Includes the manual and electrical trim system parts. Does not include the hinges or structure, which are filed in JASC code 5520, the balance weights in JASC code 5520, or the autopilot servo in JASC code 2216. Typical parts are jackscrew, cable, actuator, sensor, motor, chain, sprocket, indicator, etc.

2740 Stabilizer Control System

The system components and parts from the cockpit control to the stabilizer, except the actuator which controls position of the horizontal stabilizer for pitch trim (usually found on high performance turbine powered aircraft). Also for stabilator control systems on aircraft utilizing a single horizontal tail surface for both the stabilizer and elevator. Does not include structure in JASC code 5511. Typical parts are cable, bellcrank, pulley, control valve, indicator, etc.

2741 Stabilizer Position Indicating

The system components and parts that sense, transmit, and indicate relative position of movable stabilizers for purpose of pitch trim. Typical parts are indicators, transmitters, etc.

2742 Stabilizer Actuator

The component which actuates the horizontal stabilizer to infinite angles of incidence to provide pitch trim. Includes both manual and power assist types. Typical parts are actuator, actuator bracket, clutch, motor, seal, etc.

2750 Trailing Edge Flap Control System

The system components and parts, except the actuator and position indicator which controls position and movement of wing trailing edge flaps. Does not include the structure, carriage, fittings, tracks and rollers which are filed in JASC code 5753; or the motor or actuator which causes movement of the flaps and are filed in JASC code 2752. Typical parts are control valve, switch, flow limiter, cable, torque tube, transmission, jackscrew, bypass valve, limit switch, return spring, buss cable, etc.

2751 Trailing Flap Position Indicating System

The system components and parts that sense, transmit and indicate trailing edge flap position relative to the wing surface. Typical parts are indicator, transmitter, position module, asymmetry switch, and comparator, etc.

2752 Trailing Edge Flap Actuator

The component which actuates the trailing edge flaps. Typical parts are motor, actuator, seal, jackscrew, rod end, actuator support fittings, etc.

2760 Drag Control System

The system components and parts other than actuator which controls position, movement, and indicate relative position of drag device and variable aerodynamic surfaces on the wing includes speed brake systems. Does not include structure and hinges filed in JASC code 5755. Typical parts are valve, hose, push rod, line, cable, indicator.

2761 Drag Control Actuator

The components that actuates spoiler and speed brake surfaces on the wing for speed and lift reducing purposes. Typical parts are seal, rod end bearing, rod end, etc.

2770 Gust Lock Damper System

The system and components protecting flight control surfaces from movement and damage by wind gusts while the aircraft is on the ground. Includes cockpit controlled surface locks common in light aircraft and independent hydraulic gust damper units mounted at each flight control surface on large jet powered aircraft. Does not include the dampening feature of the flight control power boost systems, which are filed with the specific control system (i.e., rudder damper). Typical parts are damper, cylinder, seal, rod end, lock pin cable, etc.

2780 Leading Edge Slat Control System

The system components and parts except the actuator and position indicating system that controls the position and movement of the wing leading edge devices used for lift augmenting. Does not include the structure, hinges, and parts that do not cause movement of the surface filed in JASC code 5754. Typical parts are leading edge flaps, variable opening wing slots, priority valve, switch, cable, pulley, actuator bracket, torque shaft, regulator, etc.

2781 Leading Edge Slat Position Indicating System

The transmitter, indicator, warning lamps, and associated circuitry providing relative position information of wing leading edge devices to the flight crew.

2782 Leading Edge Slat Actuator

The component causing movement of the wing leading edge device control surfaces. Does not include related system or position indicating. Typical parts are actuator, actuator bracket, seal, etc.

2797 Flight Control System Wiring

For reports indicating a problem with wiring specific to the Flight Control Systems.

28 - Fuel

2800 Aircraft Fuel System

The units and components storing and delivering fuel to the engine. Includes the integral tank leak detection and sealing. Does not include the structure of integral, tip fuel tanks, fuel cell backing boards covered in the structures JASC Chapters 53 and 57, or the fuel flow rate sensing, transmitting, or indicating systems which are covered in JASC Chapter 73. Use this code for fuel system reports with insufficient information to file in a more specific JASC 2800 series code. This code is also used to report problems involving two or more aircraft fuel system JASC codes.

2810 Fuel Storage

The portion of the fuel system used for the storage of fuel. Does not include defects in the wing primary structure of integral tanks. Typical parts are removable metal tank, tip tank, header tank, bladder fuel cell, tank interconnect lines, vent line, vent valve, drain valve, filler cap, filler neck, check valve, vent tube, cap seal, filler adapter, outlet fitting, screen, fueling panel, tank strap, sealant, etc.

2820 Aircraft Fuel Distribution System

The portion of the aircraft fuel system other than selector valves, transfer valves, electric motor driven pumps used to distribute fuel from the tank outlet to the powerplant quick disconnect or up to the strainer unit. Includes the engine primer equipment, the switch that senses failure of a system pump, and the switch that automatically activates the boost pump. Typical parts are line, fitting, primer, nozzle, primer pump, actuating linkage for the fuel selector/shutoff valve, etc.

2821 Aircraft Fuel Filter/Strainer

The component that filters unmetered fuel upstream of the engine fuel control/carburetor. Does not include the engine fuel metered control system filters (filed in JASC code 7300). Typical parts are screen, housing, bowl, gasket, plunger, stand pipe, etc.

2822 Fuel Boost Pump

The electric motor/engine driven pumps providing fuel under pressure to the engine fuel control/carburetor for starting and emergency use. Includes parts of the pump, associated motor, and electrical circuitry/switch. Does not include pressure switch indicating system. Typical parts are housing, seal, motor, brush, bearing, connector, and fuel transfer pump, etc.

2823 Fuel Selector/Shut-Off Valve

The component and associated controls and position indication units which provides for specific tank selection or shutting off flow to the engine. Typical parts are housing, rotor, handle, guard, seat, seal, selector valve, shutoff valve, spring, etc.

2824 Fuel Transfer Valve

The component and associated control linkage which provides for the transfer of fuel between tanks for crossfeeding to alternate engine fuel systems. Typical parts are, seal, housing, rotor, handle, transfer valve, etc.

2830 Fuel Dump System

The system and components that provide for the jettison of fuel overboard during flight. Typical parts are valve, switch, dump chute, etc.

2840 Fuel Indicating System

For general reports pertaining to the aircraft fuel indicating systems, but with no specific reference to the transmitter (tank unit) or indicator. Does not include engine fuel pressure reports, which are filed in JASC code 7332, or flow indication system in JASC code 7331. Typical parts are circuit breaker, connector, pressure switch, indicator lights, dripstick, etc.

2841 Fuel Quantity Indicator

The indicator and low level warning system used to indicate the quantity of fuel in the tanks. Typical parts are indicator, lamp, bulb, etc.

2842 Fuel Quantity Sensor

The tank unit which measures and transmits a quantity level signal to the cockpit indicator. Typical parts are transmitter, float switch, probe, sensor, totalizer, tank unit float, gasket, etc.

2843 Fuel Temperature Indicator

The tank unit which measures the temperature of fuel in the tanks.

2844 Fuel Pressure Indicator

The tank unit which measures the pressure of fuel in the tanks. Typical parts are the pressure switch and indicator lights, etc.

2897 Fuel System Wiring

For reports indicating a problem with wiring specific to the Fuel System.

29 - Hydraulic Power

2900 Hydraulic Power System

The units and components that furnish hydraulic fluid under pressure to a common point (manifold) for re-distribution to other defined systems. For miscellaneous system parts other than components listed under other specific JASC Chapter 29 codes. Also, for reports of units or parts common to two or more components.

2910 Hydraulic System, Main

The portion of the main system which is used to store and deliver hydraulic fluid to the using system. Includes all hydraulic systems other than those designated emergency or standby. Does not include the supply valves to the using systems. Typical parts are tanks, accumulators, valves, pumps, levers, cables, line, hose, relief, shutoff valves, check valves, wiring, switches, external connectors, etc.

2911 Hydraulic Power Accumulator, Main

The component that provides for pressure surges to maintain a constant pressure in the system. Typical parts are accumulator, seal, end cap, air valve, etc.

2912 Hydraulic Filter, Main

The component which filters sediment from the hydraulic fluid in the main system. Typical parts are seal, gasket, housing, element, packing, etc.

2913 Hydraulic Pump (Electric/Engine), Main

The component that provides hydraulic fluid pressure to using systems but does not include the using systems. Includes power packs incorporating integral pumps, electric motors, and solenoids used in certain light aircraft models. Also includes pumps such as those used in flight control systems on large aircraft. Typical parts are pump, motor, shaft, brush, solenoid, case, power pack, seal, switch, etc.

2914 Hydraulic Handpump, Main

The manually actuated pump for emergency system pressure. Typical parts are handle, lever, seal, etc.

2915 Hydraulic Pressure Relief Valve, Main

The unit which relieves system relief pressure at a preset pressure. Typical parts are seal, spring, housing, relief valve, etc.

2916 Hydraulic Reservoir, Main

The component which stores hydraulic fluid. Typical parts are reservoir, filler cap, filler neck, sight gauge, seal, etc.

2917 Hydraulic Pressure Regulator, Main

The unit that maintains a preset operating system pressure to the using systems. Typical parts are regulator, seal, case, etc.

2920 Hydraulic System, Auxiliary

The portion of the main system which is classified as auxiliary, emergency, or standby, and which is used to supplement or take the place of the main hydraulic fluid to the using system. Does not include the supply valves to the using systems. Typical parts are tank, accumulator, valve, pump, lever, cables, switch, plumbing, wiring, external connectors, and miscellaneous auxiliary system parts other than those listed in JASC codes 2921 through 2934.

2921 Hydraulic Accumulator, Auxiliary

The component which provides for pressure surge to maintain a constant pressure in the auxiliary system. Typical parts are accumulator, seal, end cap and air valve, etc.

2922 Hydraulic Filter, Auxiliary

The component which filters sediment from the hydraulic fluid in the auxiliary system. Typical parts are seal, gasket, housing, element, and packing, etc.

2923 Hydraulic Pump, Auxiliary

The component which provides hydraulic fluid pressure to the using auxiliary system. Typical parts are pump, motor, shaft, brushes, case, seal, switches, etc.

2925 Hydraulic Pressure Relief, Auxiliary

The unit which relieves auxiliary system pressure. Typical parts are seal, spring, housing, relief valve, etc.

2926 Hydraulic Reservoir, Auxiliary

The unit which stores auxiliary hydraulic fluid. Typical parts are reservoir, filler cap, filler neck, sight gauge, etc.

2927 Hydraulic Pressure Regulator, Auxiliary

The unit that maintains a preset operating system pressure to the using auxiliary hydraulic system. Typical parts are regulator, seal, case, etc.

2930 Hydraulic Indicating System

For reports of hydraulic pressure and quantity indicating system parts other than the indicator or sensor or for parts common to both pressure and quantity systems.

2931 Hydraulic Pressure Indicator

The instrument and associated low pressure warning system that registers system pressure. Typical parts are indicator, warn lamp, bulb, etc.

2932 Hydraulic Pressure Sensor

The components that sense system pressure and transmit a signal to the cockpit indicator or low pressure warning lamp. Typical parts are transmitter, pressure switch, sensor, etc.

2933 Hydraulic Quantity Indicator

The instrument and associated low level warning system which registers reservoir fluid quantity. Typical parts are indicator, lamp, bulb, sight gage, etc.

2934 Hydraulic Quantity Sensor

The components that sense the fluid level and low level warning and transmit a signal to the quantity indicator. Typical parts are transmitter, sensor, float switch, etc.

2997 Hydraulic Power System Wiring

For reports indicating a problem with wiring specific to the Hydraulic Power System.

30 - Ice and Rain Protection

3000 Ice/Rain Protection System

The units and components which provide a means of preventing or disposing of formation of ice and rain on various parts of the aircraft. Includes miscellaneous items with insufficient information to file in a specific JASC 3000 series code. Does not include the basic windshield panel.

3010 Airfoil Anti/De-ice System

The system components and parts including the boots, which provide for wing and empennage leading edge ice prevention or removal. Does not include ducts upstream of the airfoil control/selector valves. Typical parts are timer, valve, switch, hose, flow valve, duct, duct coupling, thermostat, etc.

3020 Air Intake Anti/De-Ice System

The system and components that eliminate or prevent the formation of ice in or around air intakes such as turbine engine cowling. Does not include engine anti-icing reports filed in JASC code 7510. Includes the electrically heated boot at the air intake lips.

3030 Pitot/Static Anti-Ice System

The heating elements in the pitot-static pick up heads to eliminate or prevent the formation of ice. Does not include defects with the pitot or static systems. Typical parts are element, switch, wiring, etc.

3040 Windshield/Door Rain/Ice Removal

The system and components which is used to clear, eliminate or prevent the formation of rain, ice or Typical parts are motor, actuator, wiper blade, hydraulic converter, shaft, line, switch, the electrical heating portion of heated glass panels, control units, alcohol deice system lines, tanks, pumps, valves, etc.

3050 Antenna/Radome Anti-Ice/De-Ice System

The system which is used to eliminate or prevent the formation of ice on antennas and radomes.

3060 Propeller/Rotor Anti-Ice/De-Ice System

The system components and parts which are used to eliminate or prevent the formation of ice on propellers and rotors. Includes electrically heated systems, and alcohol spray systems. Does not include the system parts on the rotating portion of the propeller which are filed in JASC code 6112 or the heating mats on the rotating portion of the rotor in JASC code 6210 or code 6410. Typical parts are brush block, timer, switch, relay, harness, terminal block, etc.

3070 Water Line Anti-Ice System

The system that is used for prevention of ice in water supply and drain lines.

3080 Ice Detection

The system which is used to detect and indicate the formation of ice. Typical parts are panel, detector, etc.

3097 Ice/Rain Protection System Wiring

For reports indicating a problem with wiring specific to the Ice/Rain Protection System.

31 - Instruments

3100 Indicating/Recording System

The pictorial coverage of all instrument panels and controls. Procedural coverage of those systems, which give visual or aural warning of conditions in systems which record, store, or compute data from unrelated systems. Includes the system or units which integrate indicating instruments into a central display system not related to any specific system.

3110 Instrument Panel

The removable cockpit instrument and control panels. Includes the mounting hardware and shock absorbing devices.

3120 Independent Instruments

The units which measures time, logs elapsed time of operation, or measures acceleration/deceleration forces. Typical parts are hour meter, pressure switch, line, etc.

3130 Data Recorders (Flight/Maintenance)

The unit which continuously records critical flight, aircraft and powerplant system data, such as attitude, air speed, altitude, engine power, etc., to be used in the event of a crash. Includes the system and parts

that provide a source of power and inputs, from various sources critical to flight, to flight data recorder. Typical parts are spool rod, magazine, etc.

3140 Central Computers

The systems and components used for computing data from a number of different sources without a preponderance of functions in any one system, for call up on a display. Includes integrated instrument systems such as engine, airplane power and central warning indicators when combined into a central display. Typical parts are "digital core avionic system" (DCAS), "engine indications and crew alerting system" (EICAS), stored checklist, emergency procedures, company regulations, etc.

3150 Central Warning

The panels and associated circuitry which warn of potential problems in two or more independent or related systems. Warnings can be either audible or visual. Typical parts are annunciator panel, relay, lamp, PC board, diode, throttle microswitch, etc.

3160 Central Display

The systems and components which give visual display of conditions in unrelated systems.

3170 Automatic Data

The systems and components used for collating and computing data from unrelated systems and transmitting the same automatically. Includes "aircraft to satellite data relay" (ASDAR) system and components.

3197 Instrument System Wiring

For reports indicating a problem with wiring specific to the Instrument Systems.

32 - Landing Gear

3200 Landing Gear System

The units and components which furnish a means of supporting and steering the aircraft on the ground or water, and make it possible to retract and store the landing gear in flight. Includes the functioning and maintenance aspects of the landing gear doors, but does not include the door structure, which is covered in JASC Chapter 52. Use this code for general landing gear reports with insufficient information for filing in a more specific JASC 3200 series code.

3201 Landing Gear/Wheel Fairing

The wheel fairings and attaching parts. Typical parts are bracket, fender, fairing, etc. The fairing location such as "nose wheel" should be shown in the "Part Location" field.

3210 Main Landing Gear

The miscellaneous parts of the main landing gear system which cannot be directly associated with a specific main gear code, such as attachment, emergency flotation or strut, axle, truck, etc. This code is not to be used for the retraction/extension system or the doors. Landing gear location, left or right should be referenced in the "Part Location" field.

3211 Main Landing Gear Attach Section

The parts and assemblies, which attach the main landing gear to the airframe, structure. An entry in the "Part Location" field should include a reference to "left or right" gear. Typical parts are fitting, bolt, U-bolt, casting, supports, attaching hardware, etc.

3212 Emergency Flotation Section

The helicopter inflatable floats and attaching parts which permit emergency landings on water. The float make and model, as well as the aircraft make and model should be included in the report. Typical parts are float valve, hose, bracket, cylinder, etc.

3213 Main Landing Gear Strut/Axle/Truck

The main landing gear components and parts such as struts, axles, trucks which support the aircraft on the ground or water. Typical parts are shock device, torque link, beam and skid/shock device on rotorcraft.

3220 Nose/Tail Landing Gear

The miscellaneous parts of the nose or tail gear system which cannot be directly associated with a specific nose/tail gear code such as attachment, struts, axles, etc. This code is not to be used for extension/retraction mechanism, steering/dampening system, or doors.

3221 Nose/Tail Landing Gear Attach Section

The parts and assemblies that attach the nose/tail gear to the airframe structure. Applicable to fixed or retractable type landing gear.

3222 Nose/Tail Landing Gear Strut/Axle

The nose gear component parts such as shock struts and axles, which support the aircraft on the ground. Torque links are included but steering/shimmy dampening systems and units are excluded.

3230 Landing Gear Retraction/Extension System

The miscellaneous parts of the retraction and extension systems other than actuators, and door actuating mechanism. Location, such as nose, right or left main should be referenced in the "Part Location" field unless the defective part is common to all locations. Typical parts are leveling cylinders, centering system, actuator brackets, bungees, emergency extension system parts, uplocks/downlocks, uplock/downlock actuator, drag braces, etc.

3231 Landing Gear Door Retract Section

The nose and main landing gear door actuating system parts other than the actuator. Excludes door structure and hinges, which are to be filed in JASC code 5280. Typical parts are bellcrank, rod, sequence valve, latch, lines, hoses, etc.

3232 Landing Gear Door Actuator

The actuating units that open and close the landing gear doors. Position on the aircraft (nose, left, or right main) should be shown in the "Part Location" field.

3233 Landing Gear Actuator

The actuating units which retract and extend the nose or main gear. This includes electric motors, hydraulic cylinders but not self-contained electric motor driven hydraulic pumps such as power packs, which are filed in JASC code 2913. Specify "main gear" or "nose gear" in the Location data field.

3234 Landing Gear Selector

The selector valves, switches, or control levers used to direct a power source to actuators for gear retraction and extension.

3240 Landing Gear Brake System

The brake system miscellaneous parts other than the brake assembly, master cylinder, power valve and anti-skid system. Includes the pressure source and associated system for emergency brake actuation, and brake anti-ice system. Typical parts are line, hose, fitting, park brake valve, gauge, etc.

3241 Brake Anti-Skid Section

The system units and parts that automatically control brake pressure during landing roll to prevent tire skidding. Typical parts are transducer, control box, valve, etc.

3242 Brake

The parts of the brake unit mounted at the wheels only. The position on the aircraft should be shown in the "Part Location" field. Typical parts are disc, cylinder, lining, seal, rotor, housing, etc.

3243 Master Cylinder/Brake Valve

The units that provide a power source for cylinder-power brake actuation. Does not include connecting lines to brake units, which are filed in JASC code 3240. Typical parts are seal, piston, housing, etc.

3244 Tire

For reports of tire defects and failures. Include the manufacturer size and defect location in text. Identify the location of the tire in the "Part Location" field (i.e., nose, right main landing gear, "NLG", or "RT MLG").

3245 Tire Tube

For reports of defective wheel tire tubes. Include the manufacturer name, tube type and size.

3246 Wheel/Ski/Float

For reports of defective wheels, skis or seaplane floats and associated parts such as bearings, dust seals, bolts. The "Part Name" field should not refer to a part of the wheel which is defective such as "rim" or "half" that does not have separate part numbers. Such entries should be placed in the text. Identify the location of the wheel in the "Part Location" field (i.e., nose, right main landing gear, "NLG," or "RT MLG"). The wheel, ski or float make, model, and part number should also be included in the report.

3250 Landing Gear Steering System

The miscellaneous system parts other than the actuator, which provide for aircraft directional control on the ground. Includes main gear steering systems. Does not include wheel-braking systems. Typical parts are, cable, rod end, collar, line, valve, accumulator, etc.

3251 Steering Unit

The actuator which turn the wheel(s) by a power source for controlling direction of movement on the ground. Typical parts are cylinder, seal, etc.

3252 Shimmy Damper

The devices mounted on steerable wheel forks to reduce shimmy. Typical parts are seal, spring, housing, etc.

3260 Landing Gear Position and Warning

The system parts which provide indication and warning of the landing gear position. Includes gear safety switches which prevent inadvertent actuation such as squat or air/ground sensor. Typical parts are relay, switch bracket, lamp, horn, uplock switch, downlock switch, in transit switch, etc.

3270 Auxiliary Gear (Tail Skid)

The devices such as tail skids on tricycle gear aircraft used to stabilize the aircraft on the ground and to prevent ground contact damage. This code is also used for supplementary wheels on rotorcraft, skids for ground handling but not for skids or amphibian/seaplane floats, hull or associated retractable landing gear. This code is not for auxiliary or emergency landing gear extension systems which are filed in JASC code 3230.

3297 Landing Gear System Wiring

For reports indicating a problem with wiring specific to the Landing Gear System.

33 - Lights

3300 Lighting System

The units and components which provide for external and internal illumination. Includes light fixtures, switches and wiring. Does not include warning lights for individual systems. Use this code for reports of a general nature or for miscellaneous external and internal lamps, circuitry, switches, etc., with insufficient information to file in a specific JASC 3300 series code. Warning lights are filed in the individual JASC Chapter 33 code.

3310 Flight Compartment Lighting

The lighting systems and equipment including panel illumination other than inside individual instruments, master warning light systems such as annunciator panels, and associated dimming systems located in the flight compartment only. Typical parts are bulb, socket, switch, lamp, lens, relay, rheostat, resistor, ballast, etc.

3320 Passenger Compartment Lighting

The lighting systems in the passenger seating compartment, lavatories, buffet/galley compartments and cabin carry-on baggage/coat areas. Includes lamps for illumination of cabin, reading lamps, seat belt/no-smoking signs and passenger call systems. Does not include emergency lighting which is to be filed in JASC code 3350. Typical parts are ballast, switch, transformer, lamp, etc.

3330 Cargo Compartment Lighting

The lighting systems in the compartments used for storage of cargo, baggage, or aircraft system components which require servicing. Does not include electrical systems fire or smoke sensing. Typical parts are circuit breaker, lamp, lens, switch, etc.

3340 Exterior Lighting

The lighting systems for illumination outside the aircraft such as landing, taxi, position, wing illumination including the rotating beacon and strobe. Typical parts are switch, lamp, power supply, lens, circuit breaker, flasher unit, relay, motor, wheel well lights, brackets, etc.

3350 Emergency Lighting

The cabin, flight compartment, and exterior emergency lighting systems, which furnish illumination in event of electrical power failure. This includes batteries, lamps, and associated circuitry and parts for emergency exit lighting.

3397 Light System Wiring

For reports indicating a problem with wiring specific to the Lighting Systems.

34 - Navigation

3400 Navigation System

The units and components which provide aircraft navigational information. For reports which are of a general nature relating to the navigation systems. Also, for reports on equipment utilized in the flight inspection of airways systems (excluding avionics equipment normally used for flight operations of the aircraft). Use this code for reports with insufficient information to file in a more specific JASC 3400 series code. Typical flight inspection equipment would be computers, recorders, nav comms, guidance equipment, etc.

3410 Flight Environment Data

The system which senses environmental conditions and uses the data to influence navigation.

3411 Pitot/Static System

The system which provides a source of ram or static air for distribution to using instruments and pressure differential units such as automatic landing gear extender, altimeter, airspeed and rate of climb. Does not include the using units, instruments, the anti-ice heating elements, or the associated circuitry and switches which are filed in JASC code 3030. Typical parts are air pick up heads, lines, fittings, drain valves, static port, selector valve, etc.

3412 Outside Air Temperature Indicator/Sensor

The unit mounted in the engine induction air intake to sense and transmit temperature to the cockpit indicator. Also for the sensors and instruments which measure and indicate the temperature of ambient air outside the aircraft. Includes associated circuitry and related parts. Typical parts are sensor, indicator, case, etc.

3413 Rate of Climb Indicator

The instrument which senses and indicates the rate of climb or descent of an aircraft. Does not include the associated static system. Includes the instantaneous vertical speed indicator (IVSI).

3414 Airspeed/Mach Indicator

The instrument which measures and indicates speed of the aircraft. Does not include the Doppler indicator which are filed in JASC code 3443.

3415 High Speed Warning

The system components and parts, including the computer which sense, transmit and provide warning when operating air speed limits are exceeded. Typical parts are transducer, stall warning detector, switch, vane, horn, lamp, warning unit computer, module, etc.

3416 Altimeter, Barometric/Encoder

Altimeters and barometric encoders used to measure and indicate altitude. Also includes the unit which senses and alerts to a change in a preselected altitude. Does not include the Ground Proximity Systems and radio/radar altimeters which are filed in JASC codes 3444. Typical parts are dial, case, pointer, spring, etc.

3417 Air Data Computer

The computer and its integral parts which receives data from various environmental sensing systems, computes this data, and makes it available to the various navigation systems. Does not include external hardware such as cables, mounting racks, remote switches, etc., which are filed in JASC code 3410.

3418 Stall Warning System

The system components and parts, including the computer which sense, transmit and provide aural, visual and stick shaker warning of an aircraft in an impending flight stall condition. Typical parts are transducer, stall warning detector, switch, vane, horn, lamp, stick shaker, heater element, warning unit computer, module, etc.

3420 Attitude and Direction Data System

The system components and parts which use magnetic, gyroscopic, and inertia forces to indicate an aircraft attitude and direction. Use this code for reports with insufficient information to file in JASC codes 3421 through 3425. Includes such items as the inertial reference system (IRS), etc.

3421 Attitude Gyro and Indicating System

The gyroscopic unit which supplies attitude information to the necessary systems; for instance, vertical reference outputs for use as roll and pitch data to the autopilot computer. Includes the instruments operating by the gyroscopic principle, driven by air flow or an electric motor. Typical parts are vertical gyro and the gyro horizon.

3422 Directional Gyro and Indicating System

The unit operating by gyroscopic principle and driven by airflow or an electric motor, which provides heading (direction) references relative to a preset heading in degrees of the compass. Also for the flux unit detector which senses the earth's magnetic field and uses this data to correct for gyro drift. Typical parts are gyro, rotor, bearing, etc.

3423 Magnetic Compass

The instrument which indicates the magnetic heading of an aircraft by self contained magnetized needles. Typical parts are compensator, adjusting screw, gasket, float, case, etc.

3424 Turn and Bank/Rate of Turn Indicator

The instrument actuated by gyroscopic forces and driven by air flow or electric motor to indicate both rate of turn and angle of bank.

3425 Integrated Flight System

The system which computes, interrogates, and continuously displays basic attitude, position, and steering information in order to maintain a particular course, heading, or attitude. Does not include flight management system components, which should be assigned to JASC code 3460. Typical parts are integrated flight annunciator, integrated flight comparator, integrated flight computer/amplifier, integrated flight control and integrated flight indicators (i.e., horizontal situation indicator (HSI), attitude and direction indicator (ADI), attitude direction unit (ADU), heading and direction indicator (HDI), radio direction indicator (RDI), course direction indicator (CDI), flight director indicator (FDI), pictorial navigation indicator, flight command indicator, steering computer utilized in the integrated flight instrument systems, and other components such as cables, connectors, etc.

3430 Landing and Taxi Aids

The system providing guidance during approach, landing and taxiing. Includes such items as, ILS, paravisual director, ground guidance systems, markers, etc.

3431 Localizer/VOR System

The electronic portion of an instrument landing system (ILS) that indicates the centerline of the runway to the pilot. For reports on localizer/very high frequency omni range (VOR) systems. Typical parts are receiver, antenna, indicator, circuit breaker, switch, antenna coax, etc.

3432 Glide Slope System

The system which provides an instrument needle reference from an electronic signal radiated from a ground transmitter to enable the pilot to fly the proper glide path for landing under instrument meteorological conditions. Typical parts are circuit breaker, switch, receiver, antenna, indicator, etc.

3433 Microwave Landing System

The instrumental landing system operating in the microwave spectrum which provides lateral and vertical guidance to aircraft having compatible avionics equipment. Typical parts are receiver, antenna, control panel, etc.

3434 Marker Beacon System

The system which provides an aural and visual indication of passage over specified points on the glide path for landing under instrument meteorological conditions. NOTE: In instances where the control panel is an integral portion of the audio control panel, it would be filed in JASC code 2350. Typical parts are marker beacon antenna, receivers, visual/aural indication units, marker light, control panel, etc.

3435 Heads Up Display System

The flight instrument system that allows the pilot of an aircraft to watch the flight instruments while looking ahead of the aircraft. Includes the display screen which allows information to be visually presented to the pilot while looking through the windscreen or at the control panel.

3436 Wind Shear Detection System

The flight instrument system that allows the pilot to detect strong horizontal or vertical wind shift that acts at right angles to the direction the wind is blowing. Includes the outboard sensors, indicators, and the warning system which notifies the pilot of the appropriate corrective action maneuver to take.

3440 Independent Position Determining System

The system which provides information to determine position and is primarily independent of ground installations. Use this code for reports of a general nature or for reports containing insufficient information to file in a more specific code identified in JASC codes 3441 through 3446. Typical parts are star tracker, sextants/octants, etc.

3441 Inertial Guidance System

The navigation system which relies upon gyro platforms and accelerometers for its operation. Includes the control panel for the inertial navigation system; the instruments which receives their signal from the Inertial Navigation Unit (INU); and the unit containing the inertial platform and digital computer portion of the system. Use this JASC code for hardware components which do not have specific JASC codes assigned to them or when a system malfunction or failure occurs but the exact cause is not known. Typical parts are mode selector unit (MSU), control display unit (CDU), remote display unit (RDU), etc.

3442 Weather Radar System

The system components and parts which transmits and receives a signal independent of ground facilities to determine the relative position of adverse weather cells. Typical parts are transceiver, antenna, control panel for the weather avoidance radar system, accessory synchronizers, servo amplifier, scope, etc.

3443 Doppler System

The airborne radar system which utilizes the Doppler effect to measure and display ground speed, drift angle, cross track, etc.

3444 Ground Proximity System

The system which detects and alerts flight crew to potential terrain hazards. Includes the antenna which transmits and receives an electronic signal for the radio altimeter equipment used for terrain-to-aircraft distance. Also includes the component which interprets a radio signal reflected back to a receiver to determine distance from the nearest terrain; and the component which process the warning computer input signals from various sources in order to determine if and when the crew should be alerted of a terrain hazard.

3445 Air Collision Avoidance System

The system which provides information to determine aircraft position and is primarily independent of ground installations (i.e., traffic alert and collision avoidance system - TCAS). Use this code only if the specific system creating the problem cannot be established. Typical parts are collision avoidance monitoring units, etc.

3446 Non Radar Weather System

The non radar weather system and components which sense the electrostatic charges accumulated around a storm cell in order to "map out" that cell on an indicator.

3450 Dependent Position Determining System

The system which provides information to determine position and is mainly dependent on ground installations. Use this code for reports of a general nature or for those with insufficient information to file in a more specific JASC code identified in JASC codes 3451 through 3457.

3451 DME/TACAN System

The systems which measures time-to-station, ground speed, and distance to a known transmitter location by transmitting and receiving electronic pulse signals (i.e., distance measuring equipment - DME; ultra high frequency tactical air navigational aid - TACAN). Typical parts are antenna, control unit, transceiver, coaxial cables, etc.

3452 ATC Transponder System

The air traffic control (ATC) system which receives coded signals from a ground station and transmits a coded reply for altitude reporting and identification purposes. Typical parts are transponder, antenna, control unit, transceiver, coaxial connecting cables, etc.

3453 Long-Range Navigation (LORAN) System

The radio navigation system and associated components and parts which provides for long range navigation (LORAN) enroute when operating on signals from ground based master and slave transmitting stations. Typical parts are antenna, coupler, CPU, receiver, indicator, etc.

3454 Visual Omrange (VOR) System

The radio navigation system in the very high frequency (VHF) band used for determining position relative to a ground transmitter and permits selection of an infinite number of magnetic courses for navigation to a transmitter (i.e., visual omrange - VOR system). Typical parts are receiver, antenna, control panel, etc.

3455 Automatic Direction Finder (ADF) System

The low frequency band system which receives a signal from a non-directional radio beacon to determine relative position from the beacon location (i.e., automatic direction finder - ADF system). Typical parts are antenna, control unit, receiver, coaxial cables, etc.

3456 Omega Navigation System

The low frequency navigation system which provides for system geographical location of the aircraft on a worldwide basis when operating on signals from ground-based OMEGA and VHF transmitting stations. Typical parts are antenna, control unit or receiver, coaxial connecting cable, remote switches, connectors, etc.

3457 Global Positioning System

The systems which are mainly dependent upon signals from ground transmitters or orbital satellites for their operations; systems such as VOR, ADF, DME, etc. Use this JASC code when there is insufficient information to assign one of the specific using system codes. Typical parts are antenna, control unit or receiver, coaxial connecting cable, remote switches, connectors, etc.

3460 Flight Management Computing Hardware System

The hardware systems which combines navigational data to compute or manage the aircraft's geographical position or theoretical flight path. Typical parts are course computers, flight management

computers, performance data computers, and associated control display units, warning annunciators, etc.

3461 Flight Management Computing Software System

The software system which combines navigational data to compute or manage the aircraft's geographical position or theoretical flight path.

3497 Navigation System Wiring

For reports indicating a problem with wiring specific to the Navigation Systems.

35 - Oxygen

3500 Oxygen System

The units and components which store, regulate, and deliver breathing oxygen to the passengers and crew. Typical parts are bottles, relief valves, shut-off valves, outlets, regulators, masks, walk-around bottles, etc.

3510 Crew Oxygen System

The portion of the main system which furnishes oxygen to the crew.

3520 Passenger Oxygen System

The portion of the main system which furnishes oxygen to the passengers.

3530 Portable Oxygen System

The equipment attached to the portable bottle to regulate and dispense breathing oxygen, including the storage bottle for the portable oxygen system.

3597 Oxygen System Wiring

For reports indicating a problem with wiring specific to the Oxygen System.

36 - Pneumatic

3600 Pneumatic System

The units and components which deliver large volumes of compressed air from a power source to connecting points for other systems such as air conditioning, pressurization, deicing, etc.

3610 Pneumatic Distribution System

Components and parts other than the regulator and shutoff valves delivering large volumes of compressed air from a power source to the control valves of using systems such as conditioning, pressurization. Doesn't include engine and airfoil anti-icing/deicing systems. Typical parts are regulator valve, actuator, duct, ducts valves, manifold, clamp, flow venturi, bellows, wye duct, check valve.

3620 Pneumatic Indicating System

The system components and parts which sense, transmit, and indicate the temperature and pressure of air in the distribution system other than the pressure indicator or sensor. Includes the instrument which indicates air pressure in the pneumatic distributing systems. Does not include the using systems.

3697 Pneumatic System Wiring

For reports indicating a problem with wiring specific to the Pneumatic System.

37 - Vacuum

3700 Vacuum System

The units and components used to generate, deliver, and regulate negative air pressure. Use this code for general reports of the pressure/vacuum system with insufficient information to file in a more specific JASC 3700 series code.

3710 Vacuum Distribution System

The system components and parts, including the pump, regulator, oil separator or indication system, which are used to distribute low volume, negative pressure air (suction) to systems such as gyroscopic flight instruments, cabin rate controller, etc.; and to distribute low volume, positive pressure air to systems such as air foil deicer boots. Does not include the using systems. Typical parts are pump, filter, regulator, lines, manifold, check valves, element, etc.

3720 Vacuum Indicating System

The system components and parts including which indicates negative air pressure in the vacuum lines. Includes the indicator and warning systems. Typical parts are the vacuum indicator and associated lines.

3797 Vacuum System Wiring

For reports indicating a problem with wiring specific to the Vacuum System.

38 - Water/Waste

3800 Water and Waste System

The fixed units and components which store and deliver fresh water. Also includes those fixed components which store and furnish a means of removal of water and waste. Use this code for reports with insufficient information to file in a more specific JASC 3800 series code. This code is also used for reports common to two or more systems.

3810 Potable Water System

The system which is used to store and deliver fresh drinking water.

3820 Wash Water System

The system which is used to store and deliver wash water.

3830 Waste Disposal System

The system and components used for the disposal of water and waste. Includes wash basins, water closets, flush systems and collection tanks. Typical parts are valve, flush motor, lines, timer, etc.

3840 Air Supply (Water Pressure System)

The system which provides the pressure to distribute potable water to the lavatories, etc. Typical parts are pump, motor, lines, etc.

3897 Water/Waste System Wiring

For reports indicating a problem with wiring specific to the Water/Waste System.

45 - Central Maintenance System (CMS)

4500 Central Maintenance Computer

The unit, components and associated systems which interface with other airplane systems and provides a convenient way of communicating system problems to aircraft maintenance personnel. The system contains checkout and fault isolation procedures using a central computer to locate a single system or component malfunction. Typical parts are computer, storage devices, controls, display, etc.

4597 Central Maintenance System Wiring

For reports indicating a problem with wiring specific to the Central Maintenance System.

49 - Airborne Auxiliary Power

4900 Airborne Auxiliary Power Unit (APU) System

The airborne auxiliary power units (APU) installed on aircraft for the purpose of generating and supplying a single type or combination of auxiliary electric, hydraulic, pneumatic or other power. Does not include generators, alternators, hydraulic pumps, etc., or their connecting systems which supply and deliver power to their respective aircraft systems. Use this code for reports of a general nature with insufficient information to file in a specific JASC 4900 series code, or for reports which involve two or more APU systems. An entry "APU" is acceptable if no specific part is reported. The APU as well as aircraft make and model should be reported if known.

4910 APU Cowling/Containment

The system of cowling and other components used to cover the auxiliary power unit, and contain any broken parts in the event of an external failure.

4920 APU Core Engine

For reports of basic engine defects such as compressor, turbine, cases other than specific systems shown in other APU sub-systems such as fuel, ignition, exhaust, starting and controls. The APU make and model should be included if available. Typical parts are turbine, bearing, seal, impeller, blade, case, burner can, etc.

4930 APU Engine Fuel and Control

The system and components which furnishes fuel from the aircraft tanks to the APU fuel control and associated injector nozzles. Including the unit which provides fuel at the proper pressure for fuel control operation; and the unit controlling and injecting metered fuel to the engine burner can section. Typical parts are shutoff valve, line, fitting, etc.

4940 APU Start/ignition System

The system units used to start the APU engine. Including the unit which provides a power source to the igniter during the starting cycle. Typical parts are ignition unit, magneto, igniter, starter, etc.

4950 APU Bleed Air System

The system and components which provide and control a source of pressure and high volume of air for aircraft using systems such as engine starting, cabin air conditioning prior to starting engines. Typical parts are duct, bleed valve, clamp, seal, etc.

4960 APU Controls

The system components which electrically and manually control operation of the APU engine. Typical parts are relay, control box, etc.

4970 APU Indicating System

For general reports of APU operation indicating including the temperature indicator, tachometer generator or indicator (engine speed). Includes the instrument and associated warning system which sense, transmits, and indicates APU engine speed and temperatures to the flight crew.

4980 APU Exhaust System

The components and parts which collect and direct exhaust gasses from the APU turbine to the aircraft exterior. Includes the movable door fairing. Typical parts are nozzle, door, actuator, seal, clamp, and shield.

4990 APU Oil System

The system and components used for APU engine lubrication. Typical parts are filter, pump, relief valve, hose, line, etc.

4997 APU System Wiring

For reports indicating a problem with wiring specific to the APU System.

51 - Standard Practices/Structures

5100 Standard Practices/Structures

The standard practices and general procedures for typical repairs applicable to more than one chapter that are not specifically covered under JASC Chapters 52 through 57.

5101 Aircraft Structures

For reports of aircraft structural problems of a general nature which affects two or more areas. Includes reports of lightning strikes which cannot be associated with a specific JASC code.

5102 Balloon Reports

For all balloon reports irrespective of location or component involved. Includes all airship reports irrespective of location or component involved. Also includes reports for water ballast. Typical parts are stitching, seam, fabric, burner, valve, handle, valve seat, manifold and burner fuel tank, etc.

52 - Doors

5200 Doors

The removable units used for entrance or exit, and for enclosing other structure contained within the fuselage. Includes passenger and crew doors, cargo doors, emergency exits, etc. Electrical and hydraulic systems associated with door control are included as appropriate. Use this code for door reports of a general nature which affect two or more specific type of doors or are reported with insufficient information to file in a more specific JASC 5200 series code.

5210 Passenger/Crew Doors

For reports of cabin entrance doors. Does not include door frames, warning systems, or cabin emergency exit doors/hatches. Typical parts are hinges, actuators, latches, handle, seals, structure, spring, cable, bellcrank, skin, etc.

5220 Emergency Exits

For reports of emergency exit doors, windows and hatches. Typical parts are pan, hinge, latch, hook, etc.

5230 Cargo/Baggage Doors

For exterior doors used to gain access to cargo or baggage storage areas. Does not include door frames on fuselage, door warning or compartment interior furnishings. Typical parts are door structure, seal, hinge, latch, latch pin, handle, skin, etc.

5240 Service Doors

For reports pertaining to exterior doors used to gain access for servicing aircraft systems and equipment. Does not include the fluid service doors which are covered in JASC 5246.

5241 Galley Doors

For reports pertaining to the galley door. Typical parts are hinges, structure, and the latch mechanism.

5242 Electrical/Electronic Compartment Doors

For reports pertaining to the electrical/electronic compartment doors. Typical parts are hinges, structure, and the latch mechanism.

5243 Hydraulic Compartment Doors

For reports pertaining to the hydraulic compartment doors. Typical parts are hinges, structure, and the latch mechanism.

5244 Accessory Compartment Doors

For reports pertaining to the accessory compartment doors. Typical parts are hinges, structure, and the latch mechanism.

5245 Air Conditioning Doors

For reports pertaining to doors used to gain access to the air conditioning compartment system and components. Typical parts are hinges, structure, and the latch mechanism.

5246 Fluid Service Doors

For reports of service doors used to gain access to fluid service areas, excluding compartment doors which are filed in JASC code 5243. Typical parts are hinges, structure, and the latch mechanism.

5247 Auxiliary Power Unit (APU) Doors

For reports of doors used to gain access for servicing the APU and components. Typical parts are hinges, structure, and the latch mechanism.

5248 Tail Cone Doors

For reports pertaining to the tail cone door. Typical parts are hinges, structure, and the latch mechanism.

5250 Fixed Inner Doors

For reports of doors within the fuselage in fixed partitions. Typical parts are structure, hinges, latches, lining but does not include doors in movable partitions.

5260 Entrance Stairs

For reports of cabin entrance stairs which operate in conjunction with but are not an integral part of entrance doors. Typical parts are structure, actuator, controls and handrails, step, cable, bungee, latch hook, latch, bracket, bellcrank, etc.

5270 Door Warning System

The system which is used to indicate to flight crews whether the exterior doors are closed and properly latched. Does not include the landing gear position warning indications which are covered in JASC code 3260. Typical parts are switch, lamp, horn, relay, etc. The suspect door should be identified if known.

5280 Landing Gear Doors

For reports pertaining to the structural aspects of landing gear doors including hinges and seals on the wing, landing gear, and fuselage mounted doors. The door position on the aircraft or landing gear (i.e., nose, right main outboard, etc.) should be shown in the part location field. Does not include the operating mechanism or position indicating or warning system which is filed in JASC codes 3231 or 3260.

5297 Door System Wiring

For reports indicating a problem with wiring specific to the Door Systems.

53 - Fuselage

5300 Fuselage Structure (General)

For reports of structural units and associated components and members which make up the compartments for crew, passengers, equipment, cargo, plus the structure of the envelope and gondola of airships.

5301 Aerial Tow Equipment

For reports of defective aerial tow equipment including the attachments on fuselage and release mechanism.

5302 Rotorcraft Tail Boom

For reports of the structure including exterior skin and truss framework of tail booms on rotorcraft. Includes attach fittings, etc., for tail boom and stabilizer surfaces. Typical parts are bulkhead, bracket, frame, frame tube, plate, etc.

5310 Fuselage Main, Structure

For general reports of fuselage structure defects which affect two or more related parts or are reported with insufficient information to file in a more specific JASC 5300 series code. Use of this code should be avoided if possible.

5311 Fuselage Main, Frame

For reports of the main fuselage frames. The associated attach fittings are covered in JASC code 5320.

5312 Fuselage Main, Bulkhead

For reports of the main fuselage bulkheads and the associated attach fittings.

5313 Fuselage Main, Longeron/Stringer

For reports of the main fuselage longerons/stringers.

5314 Fuselage Main, Keel

For reports of the main fuselage keel beams.

5315 Fuselage Main, Floor Beam

For reports of the main fuselage floor beams.

5320 Fuselage Miscellaneous Structure

For reports of miscellaneous structure on the main fuselage structure which aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, clips, doublers, etc. Does not include movable partitions which are covered in JASC Chapter 25.

5321 Fuselage Floor Panel

For reports of the interior floor panels within the main fuselage structure.

5322 Fuselage Internal Mounting Structure

For reports of the internal mounting structure which aids in the support of the fuselage structure.

5323 Fuselage Internal Stairs

For reports of the internal stairs which are part of the fuselage structure.

5324 Fuselage Fixed Partitions

For reports of the fixed partitions which are part of the fuselage structure.

5330 Fuselage Main, Plate/Skin

For reports of the exterior covering of the fuselage including access covers.

5340 Fuselage Main, Attach Fittings

For reports of the fittings on the fuselage used for the attachment of doors, wings, stabilizers, landing gear, engine and rotor pylons, and the support of equipment within the fuselage. For reports of fuselage attach fittings that can not be specifically identified in JASC codes 5341 through 5347.

5341 Fuselage, Wing Attach Fittings

For reports of the fittings on the fuselage used for the attachment of the wings.

5342 Fuselage, Stabilizer Attach Fittings

For reports of the fittings on the fuselage used for the attachment of the stabilizers

5343 Fuselage, Landing Gear Attach Fittings

For reports of the fittings on the fuselage used for the attachment of the landing gear.

5344 Fuselage, Door Hinge

For reports of the fittings on the fuselage used for the attachment of the doors.

5345 Fuselage, Equipment Attach Fittings

For reports of the fittings on the fuselage used for the attachment of equipment.

5346 Fuselage, Powerplant Attach Fittings

For reports of the fittings on the fuselage used for the attachment of the powerplant. (i.e., the center engine on tri-engine airplanes).

5347 Fuselage, Seat/Cargo Attach Fittings

For reports of the fittings on the fuselage used for the attachment of seats and cargo restraint mechanisms.

5350 Aerodynamic Fairings

For reports of all fixed and removable aerodynamic fairings between the fuselage and wing/flap/empennage/pylon/nacelle attach points, tail cones and radomes. Also includes the fairings on rotorcraft tail cones. Typical parts are tail, radome, fairing, stiffener, skin, screw, fillet, etc.

5397 Fuselage wiring??????

For reports indicating a problem with wiring specific to the Fuselage System.??????

54 - Nacelles/Pylons

5400 Nacelle/Pylon Structure

For reports of structural units and associated components and members which furnish a means of mounting and housing the powerplant or rotor assembly. Includes the structure of powerplant cowling inclusive of the structural portion of the inlet whether or not integral with the aircraft. Structural portions of the exhaust system are excluded where they are not integral with the airframe. Use this code when there is insufficient information to file in a more specific JASC 5400 series code. NOTE: The use of this code should be avoided if possible as a reported defect is not likely to involve both pylon and nacelle.

5410 Nacelle/Pylon, Main Frame

For reports of the structure which houses and supports powerplants. Includes the firewall and all structure aft on multi-engine aircraft and firewalls on single engine aircraft. Does not include engine mounting or cowling.

5411 Nacelle/Pylon, Frame/Spar/Rib

For reports pertaining to the main frame, spar, or rib structure on the nacelles or pylons.

5412 Nacelle/Pylon, Bulkhead/Firewall

For reports pertaining to the bulkhead or firewall structure on the nacelles or pylons which houses and supports the powerplants. Does not include the engine mounting or cowling. Typical parts are firewall, bulkhead, skin, stringer, beam, splice plate, etc.

5413 Nacelle/Pylon, Longeron/Stringer

For reports pertaining to the longeron or stringer structure on the nacelles or pylons.

5414 Nacelle/Pylon, Plate/Skin

For reports pertaining to the plates or skins on the nacelles or pylons.

5415 Nacelle/Pylon, Attach Fittings

For reports on the fittings on the nacelles/pylons used for the attachment to its connecting structure, powerplant, thrust reverser, and for the support of equipment within the nacelle/pylon.

5420 Nacelle/Pylon Miscellaneous Structure

For reports of miscellaneous structure on the nacelle/pylon structure which aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5497 Nacelle/Pylon System Wiring

For reports indicating a problem with wiring specific to the Nacelle/Pylon System.

55 - Stabilizers

5500 Empennage Structure

The horizontal and vertical stabilizers include the structure of the elevator and rudder. For general reports of empennage structure which affect two or more surfaces or are reported with insufficient information to file in a more specific JASC 5500 series code. This code is also used for reports that pertain to flying wires.

5510 Horizontal Stabilizer Structure

For reports pertaining to the structural aspects of horizontal stabilizer and stabilators or canard. Includes fuselage and boom-to-surface attach fittings. Does not include actuating mechanism filed in JASC code 2742.

5511 Horizontal Stabilizer, Spar/Rib

For specific reports of spars/ribs on the horizontal stabilizer.

5512 Horizontal Stabilizer, Plate/Skin

For specific reports of plates/skins on the horizontal stabilizer.

5513 Horizontal Stabilizer, Tab Structure

For reports pertaining to the structure and attachment of the tab surface mounted on movable stabilizers and stabilators. Includes hinge brackets and bearings/bushings. Does not include the actuating mechanism filed in JASC code 2740. Typical parts are hinge, skin, rib, spar, etc.

5514 Horizontal Stabilizer Miscellaneous Structure

For reports of miscellaneous structure on the horizontal stabilizer structure which aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5520 Elevator Structure

For reports pertaining to the structural aspects of the movable airfoil hinged to the horizontal stabilizer for longitudinal control. Includes the "ruddervator" on V-tail aircraft and balance weights. Does not include the stabilator structure which is filed in JASC code 5510 or the torque tubes which are filed under the actuating mechanism in JASC code 2730. Typical parts are hinge, hinge fittings, bearing, bolt, miscellaneous structure, etc.

5521 Elevator, Spar/Rib

For specific reports of spars/ribs on the elevator.

5522 Elevator, Plate/Skin

For specific reports of plates/skins on the elevator.

5523 Elevator, Tab Structure

For reports pertaining to the structure of elevator trim surfaces hinged to elevators and "ruddervators." Includes hinge fittings and associated bearings and bolts. Does not include actuating mechanism filed in JASC code 2731.

5524 Elevator Miscellaneous Structure

For reports of miscellaneous structure on the elevator structure which aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5530 Vertical Stabilizer

The structural aspects of the fixed vertical surface attached to the fuselage including the dorsal fin.

5531 Vertical Stabilizer, Spar/Rib

For specific reports of spars or ribs on the vertical stabilizer.

5532 Vertical Stabilizer, Plate/Skin

For specific reports of plates or skins on the vertical stabilizer.

5533 Ventral Structure

For reports pertaining to the ventral structure and skin of the ventral fin mounted on the lower, aft fuselage for added directional stability. Typical parts are skin, rib, rivet, and miscellaneous parts, etc.

5534 Vertical Stabilizer Miscellaneous Structure

For reports of miscellaneous structure on the vertical stabilizer structure which aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5540 Rudder Structure

For reports pertaining to the structural aspects of the vertical airfoil hinged to the vertical stabilizer. Does not include the actuators, actuator mechanism or mounting which are filed in JASC code 2720. Typical parts are hinge, hinge fittings, bearing, bolt, miscellaneous structure, etc.

5541 Rudder, Spar/Rib

For specific reports pertaining to spars or ribs on the rudder structure.

5542 Rudder, Plate/Skin

For specific reports pertaining to plates or skins on the rudder structure.

5543 Rudder, Tab Structure

For reports pertaining to the structure of the movable surface hinged to the rudder surface for directional trim. Typical parts are skin, hinge fitting, spar, rib. The actuating mechanism is filed in JASC code 2720.

5544 Rudder Miscellaneous Structure

For reports of miscellaneous structure on the rudder structure which aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5550 Empennage Flight Control Surfaces, Attach Fittings

For miscellaneous reports of fittings on the empennage structure which are used for the support of the flight control, but are not specifically addressed in JASC codes 5551 through 5554.

5551 Horizontal Stabilizer, Attach Fittings

For specific reports pertaining to the fittings on the horizontal stabilizer which are used to support equipment within the structure.

5552 Elevator Tab, Attach Fittings

For specific reports pertaining to the fittings on the elevator or elevator tab which are used to support equipment within the structure.

5553 Vertical Stabilizer, Attach Fittings

For specific reports pertaining to the fittings on the vertical stabilizer which are used to support equipment within the structure.

5554 Rudder/Tab, Attach Fittings

For specific reports pertaining to the fittings on the rudder or rudder tab, which are used to support equipment within the structure.

5597 Stabilizer System Wiring

For reports indicating a problem with wiring specific to the Stabilizer Systems.

56 - Windows

5600 Window/Windshield System

For reports pertaining to the fuselage and crew compartment windows inclusive of windshields. For reports of cockpit and cabin window or windshield defects reported with insufficient information to file in a specific JASC 5600 series code.

5610 Flight Compartment Windows

For reports of all cockpit windows, cockpit overhead canopies, observation windows, and windshield panels in the flight compartment. Includes attachment and sliding feature of sliding windows. For cockpit windows including the breakage of electrically heated windshield panels regardless of cause. Does not include the heating aspects associated circuitry of heated windshields, which is filed in JASC code 3040. Typical parts are windshield, sliding window, seal, frame, panel, latch, hinge, chin bubbles, etc.

5620 Passenger Compartment Windows

For reports of cabin mounted windows in the passenger compartments. Includes the inner and outer windows, frame attaching hardware, picture windows. Does not include the windows in the escape hatches which are filed in JASC code 5220.

5630 Door Windows

For reports of windows mounted in doors. Does not include emergency exit windows which are filed in JASC code 5220.

5640 Inspection Windows

For windows used for examining compartments and equipment in and about the aircraft such as door latches, and cargo bays.

5697 Window System Wiring

For reports indicating a problem with wiring specific to the Window System.

57 - Wings

5700 Wing Structure

For reports pertaining to the center wing and outer wing structural units and associated components and members which support the aircraft in flight. This code should be used for general reports of the primary wing structure.

5710 Wing Main, Frame Structure

For general reports of wing structure defects which affect two or more related parts or are reported with insufficient information to file in a more specific 5700 JASC code. Does not include reports pertaining to fuel tank sealing which are filed in JASC code 2810. Excessive use of this code should be avoided if possible.

5711 Wing Spar

For reports pertaining to the spar in the wing structure.

5712 Wing, Rib/Bulkhead

For reports pertaining to the ribs/bulkhead in the wing structure.

5713 Wing, Longeron/Stringer

For reports pertaining to the longerons or stringers in the wing structure.

5714 Wing, Center Box

For reports pertaining to the center wing box structure.

5720 Wing Miscellaneous Structure

For reports of the auxiliary or miscellaneous wing structure. Includes the secondary items used for attachment. Does not include reports for plates or skins. Typical parts are wing tip, clips, brackets, channels, angles, stiffeners, doublers, etc.

5730 Wing, Plate/Skin

For reports of the exterior covering of the wing including the access covers, tip tank fillets, or fairings. Includes the leading edge and trailing edge skin and wing mounted fuel compartment panels.

5740 Wing, Attach Fittings

The structure on the wing used for the attachment of fuselage, nacelle or pylon, and landing gear to the wing and for the support of equipment within the wing. Use this code for reports of wing attachments that can not be specifically identified in JASC codes 5741 through 5744. Does not include flight control or landing gear actuator support fittings which should be coded in the appropriate JASC 2700 or 3200 series code.

5741 Wing, Fuselage Attach Fittings

The fittings on the wing used for attachment to the fuselage structure.

5742 Wing, Nacelle/Pylon Attach Fittings

The fittings on the wing used for attachment to the nacelle/pylon.

5742 Wing, Landing Gear Attach Fittings

The fittings on the wing used for attachment to the landing gear.

5743 Wing, Control Surface Attach Fittings

The fittings on the wing used for attachment to the control surface.

5750 Wing, Control Surfaces

For reports of a general nature involving the control surfaces which are attached to the wing.

5751 Ailerons

For reports pertaining to the structural aspects of the aileron mounted on the trailing edge of wing. Includes hinges, balance weights. Does not include operating mechanism which causes the surface to move which is filed in JASC code 2710. Typical parts are skin, rib, spar, hinge, bracket, bolt, bearing, bushing, balance weight, etc.

5752 Aileron Tabs

For reports pertaining to the structural aspects of the surface mounted at the trailing edge of the aileron for lateral trim. Does not include the operating mechanism filed in JASC code 2711. Typical parts are spar, skin, hinge, bracket, bolt, bearing, bushing.

5753 Trailing Edge Flaps

For reports pertaining to the structural aspects of the flap surface mounted on the trailing edge of the wing (includes fore, mid, and aft segments). Does not include the operating mechanism such as the actuators, brackets, hydraulic or electric motors. Typical parts are skin, rib, spar, flap track, roller, flap carriage, bearing, bolt, rivet, etc.

5754 Leading Edge Devices

For reports pertaining to the structural aspects of the wing leading edge device control surface. Includes hinge, brackets, bolts but does not include actuators or actuator mounting brackets which are filed in JASC code 2782. Typical parts are skin, rib, track, roller, bearing, carriage, etc.

5755 Spoilers

For reports pertaining to the structural aspects of the movable surface on the upper surface of the wing for drag and lift reducing functions. Does not include operating mechanism such as actuators, hoses, lines which are filed in JASC codes 2760 and 2761. Typical parts are skin, rib, gusset plate, spoiler and actuator support fittings.

5797 Wing System Wiring

For reports indicating a problem with wiring specific to the Wing Systems.

PROPELLER/ROTOR SYSTEMS

61 - Propeller/Propulsors

6100 Propeller System

The complete mechanical or electrical propeller, governor, alternators, pumps, motors those units and components external to or integral with the engine used to control the propeller blade angle. Includes the propulsor duct assemblies, aerodynamic fairing of mechanical components, stators, vectoring systems, etc. Use this code for reports with insufficient information to file in a more specific JASC 6100 series code.

6110 Propeller Assembly

For reports of propeller assembly malfunctions excluding controlling aspects, with insufficient information to file in a more specific JASC 6100 series code, or for conditions which affect two or more parts of the propeller such as hub and blades. Includes the propeller retaining nut, etc.

6111 Propeller Blade Section

For reports of blade defects other than deice boots. Includes retaining clamps and blade pitch change actuating mechanism which rotates with the propeller. Typical parts are blade, clamp, link, motor, counterweight, bearing, etc.

6112 Propeller Deice Boot Section

For reports of defective deice/anti-ice system parts on the rotating parts of the propeller such as blades or spinner. Does not include the power source, controls or other non-rotating system parts in JASC code 3060. Typical parts are boot, cuff, heat element, slip ring, etc.

6113 Propeller Spinner Section

For reports of defective propeller spinner assemblies. Typical parts are shell, backplate, bulkhead, rivets, screw, nut plate, brackets, etc.

6114 Propeller Hub Section

For reports of defective hubs which house and support the rotating blades. Includes the dome, but not the blade actuating mechanism filed in JASC code 6111 or the attachment to engine flange in JASC code 6110.

6120 Propeller Controlling System

For general reports of propeller speed controlling other than the governor unit or the synchronizer. Includes the controlling systems of propellers regardless of the propeller type. (Includes propeller regulator, negative torque switch, and the rigging mechanism). Also includes governor control linkage, levers, cable, and associated brackets from the cockpit to the governor; and the feather and unfeathering systems except the pump and accumulator. Typical parts are cable, bellcrank, lever, rod end, pressure switch, solenoid valve, beta switch, etc.

6121 Propeller Synchronizer Section

The unit which controls the synchronization of propellers on multi-engine aircraft. Typical parts are synchronizer actuator, computer, synchrophaser, control unit, etc.

6122 Propeller Governor

The unit which controls the propeller blade angle, but is limited to parts in and on the governor. Does not include airframe furnished control linkage from the cockpit which is filed in JASC code 6120. The

component make and model should be included in the report as well as the number of the defective part. Typical parts are shaft, flyweight, governor, spring, arm, seal, beta valve, pilot valve, head, etc.

6123 Propeller Feathering/Reversing

The component and parts which store and deliver an energy charge for propeller feathering and unfeathering. Includes the pump and associated motor, switch, circuitry and plumbing which provides the force for feathering the propeller blades for stopping the engine's rotation. Does not include propeller feathering system components which are coded in JASC code 6120, such as lever rod end, adjustment screw, solenoid, valves, etc. Typical parts are pump, motor, switch, accumulator, air valve, seal, etc.

6130 Propeller Braking

The system components and parts which decrease run-down time or stop propeller rotation during engine power off conditions. This code is applicable to turboprop engines.

6140 Propeller Indication System

The system components and parts which indicates the operation or activation of propeller systems. Typical parts are switch, lamp, connector, harness, indicator, etc.

6197 Propeller/Propulsor System Wiring

For reports indicating a problem with wiring specific to the Propeller/Propulsor Systems.

62 - Main Rotor

6200 Main Rotor System

For general reports of rotorcraft main rotor systems with insufficient information to file in a more specific JASC 6200 series code. Excessive use of this code should be avoided if possible.

6210 Main Rotor Blades

For reports of defective blades including attachment to the rotor head and heating mats on the blades for anti-icing. Also includes tilt rotor blades. Does not include the anti-icing system which is filed in JASC code 3060, or the rotor head which is filed in JASC code 6220. Typical parts are blade, attach bolt, bushing, etc.

6220 Main Rotor Head

The rotating assembly which supports the main rotor blades including blade folding system. Includes the swashplate if it is an integral part of the mast head assembly. Also includes the head mechanism on tilt rotor aircraft. Typical parts are sleeve, spindle, damper, fairing. Does not include the controlling aspects in JASC code 6710.

6230 Main Rotor Mast/Swashplate

The vertical shaft which supports the main rotor head. Typical parts are shaft, bearing, guide, mast, seal, swashplate, etc.

6240 Main Rotor Indicating System

The system used to indicate the operation or activation of the main rotor. Includes lights, gauges, switches, wiring, etc.

6297 Main Rotor System Wiring

For reports indicating a problem with wiring specific to the Main Rotor System.

63 - Main Rotor Drive

6300 Main Rotor Drive System

For general reports of main rotor drive system with insufficient information to file in a more specific JASC sub-system code. Excessive use of this code should be avoided if possible.

6310 Engine/Transmission Coupling

The drive shaft between the engine and the main gearbox including the clutch and freewheel units (if applicable), and tilt rotor interconnect system. Typical parts are clutch, shaft, coupling, bearing, boot, seal, sync shaft, pulley, pulley bracket, belt, etc.

6320 Main Rotor Gearbox

The component which transmits engine power to rotary motion in the main rotor mast. Includes mechanical power take-off and accessory drives but does not include the accessories such as hydraulic pumps and alternators. Includes gearbox lubricating system. Typical parts are gearbox, case, shaft, gear, pump, seal, sun gear, etc.

6321 Main Rotor Brake

The system which reduces rundown time or stops rotor rotation during engine power off conditions. Typical parts are brake, caliper, lining, seal, check valve, etc.

6322 Rotorcraft Cooling Fan System

The component which provides a cooling air flow to the rotorcraft piston engine cylinders, oil coolers, etc. Typical parts are fan, shroud, blade, impeller, duct, drive belt, stator, etc.

6330 Main Rotor Transmission Mount

The suspension system for the transmission mounting in airframe. Typical parts are suspension bars, isolation mount, etc.

6340 Rotor Drive Indicating System

The indicators, sensors/transmitters and associated systems which indicate operation or activation of rotor systems. Typical parts are tachometer, transmitter, circuit breaker, wiring harness, light, switch, indicator, needle, etc.

6397 Main Rotor Drive System Wiring

For reports indicating a problem with wiring specific to the Main Rotor Drive System.

64 - Tail Rotor

6400 Tail Rotor System

For general reports of the rotorcraft tail rotor system reported with insufficient information to file in a more specific tail rotor system. Avoid excessive use of this code if possible.

6410 Tail Rotor Blades

For reports of defective tail rotor blades including heating mats for anti-icing but not the anti-icing system in JASC code 3060. Also includes attachment to rotor head. Typical parts are blade, attach bolt, etc.

6420 Tail Rotor Head

The rotating assembly which supports the tail rotor blades. Does not include the controlling aspects which are filed in JASC code 6720. Typical parts are trunnion, fairing, damper plate, shaft, hub, etc.

6440 Tail Rotor Indicating System

The indicators, sensors, transmitters, and associated systems which indicates operation or activation of the tail rotor system.

6497 Tail Rotor System Wiring

For reports indicating a problem with wiring specific to the Tail Rotor System.

65 - Tail Rotor Drive

6500 Tail Rotor Drive System

For general reports of the tail rotor drive system reported with insufficient information to file in a more specific tail rotor drive system. Avoid excessive use of this code if possible.

6510 Tail Rotor Drive Shaft

The shafts, flexible couplings and bearings, etc., from the main rotor transmission to the tail rotor assembly. Typical parts shaft, coupling, bearing, hanger, etc.

6520 Tail Rotor Gearbox

The gearboxes which transmit engine power to the tail rotor. Includes intermediate gearboxes. Typical parts are case, seal, box, gear, spider gear, gearbox cowling and fairing, etc.

6540 Tail Rotor Drive Indicating System

The indicators, sensors, transmitters, and associated systems which indicates operation or activation of the tail rotor drive system.

6597 Tail Rotor Drive System Wiring

For reports indicating a problem with wiring specific to the Tail Rotor Drive System.

67 - Rotors Flight Control

6700 Rotorcraft Flight Control

For general reports of rotorcraft control systems with insufficient information to file in a more specific 6700 JASC series code; or for reports which affect both main and tail rotor control systems. Avoid excessive use of this code if possible.

6710 Main Rotor Control

The system components and parts other than the servo control system which control and indicates the attitude or the angle of attack of the main rotor blades. Typical parts are collective pitch lever, cyclic pitch stick, coupling and mixing units, and position indicators, etc.

6711 Tilt Rotor Flight Control

The system components and parts of the tilt rotor control system which controls the attitude of the aircraft by rotating the dual main rotor assembly through a 90-degree position. The zero or vertical position allows vertical takeoff and landing of the aircraft.

6720 Tail Rotor Control System

The components and system parts which control movement about the vertical axis. The directional control may be accomplished by changing the tail rotor blade angle, or by directed compressed air (i.e., NOTAR systems). Includes tail rotor control pedals, cables, rods, bellcranks, associated support brackets, compressed air ducts, valves, etc.

6730 Rotorcraft Servo System

The system which ensures distribution of mechanical or electrical power to the rotor servo-control system. Includes systems used to monitor and indicate operation of the servo control system. Typical parts are pressure relief valves, electro valves, check valves, accumulators, etc.

6797 Rotors Flight Control System Wiring

For reports indicating a problem with wiring specific to the Rotors Flight Control System.

POWERPLANT SYSTEMS

71 - Powerplant

7100 Powerplant System

For general reports concerning the powerplant package. Avoid the use of this code if enough information is provided to file in a more specific JASC 7100 series code.

7110 Engine Cowling System

The enclosure which houses engines for drag reducing and cooling. Includes attachment, structure and access doors. Does not include engine cylinder baffles or fire seals. Typical parts are latch, fastener, lockpin, hook, skin, nose cap, stud, access door, hinge, hinge pin, rivet, bracket, stiffener, etc.

7111 Engine Cowl Flaps

The flaps mounted in engine cowling for increased cooling air flow. Also includes the component which electrically or hydraulically actuates the cowl flaps. Typical parts are actuator, piston, seal, hinge bracket, skin, doubler, rod, rod end, lever, rivet, bolt, and flap, etc.

7112 Engine Air Baffle Section

For reports of baffles which direct cooling air flow to the engine cylinders and accessories. Does not include cylinder baffles certificated with the engine which are filed in JASC code 8530. Typical parts are baffle, shield, bracket, shroud, cooling ducts for starters, and generators, etc.

7120 Engine Mount Section

The structural framework which supports the engine on the nacelle, firewall or pylon. Typical parts are mount, bracket, fitting, shock mount, bolt, isolator, hanger, etc.

7130 Engine Fireseals

The fire-resistant partitions and seals mounted on or about the power package to isolate areas subject to fire. Does not include firewalls which are filed in JASC code 5412. Typical parts are shroud, bracket, etc.

7160 Engine Air Intake System

The portion of the powerplant system which directs airflow to the engine. Does not include integral structure with the airframe, which shall be included in the applicable structures JASC chapter. Typical parts are carburetor air heat doors, alternate air doors, linkages, controls, filter element, ducts, hose, air box, latch, seals, nose ring cowls, scoops, compressor fan cowls, compressor fan case, buried engine ducts, vortex generators, actuators, control handles, cables, wiring, plumbing, doors, warning systems, position indicators, etc.

7170 Engine Drains

The components and manifold assemblies which are used to drain off excess fluids from the powerplant and its accessories. Includes components that are integral parts of, or fitted to the powerplant cowling. Typical parts are drain line, manifold, flame arrestors, support brackets, etc.

7197 Powerplant System Wiring

For reports indicating a problem with wiring specific to the Powerplant System.

72 - Turbine/turboprop Engine

7200 Engine (Turbine/Turboprop)

The units and components which are used to induce and convert fuel-air mixture into power, and transmit power to the propeller shaft (if any) and accessory drives. Full identification of the powerplant is required in all reports in JASC series codes 7200 through 8300 to increase the usability of the reports. Use this code for general reports concerning engine problems reported with insufficient information to file in a more specific JASC code. Includes reports pertaining to bird strikes to engines/cowling.

7210 Turbine Engine Reduction Gear

For reports pertaining to reduction gears, combining gearboxes, propeller drive shafts, and helicopter rotor shafts, which are used to transfer power from turboprop and turboshaft engines, to the propeller or helicopter rotor. Do not use this code for accessory devices attached to reduction gearboxes. Typical parts are shaft, gear, bearing, case, torque piston, transfer tube, chip detector, etc.

7220 Turbine Engine Air Inlet Section

The engine section through which air enters the compressor section. Typical parts are inlet case, inlet cone, inlet screen, guide vane, inlet scroll, etc.

7230 Turbine Engine Compressor Section

The engine section where incoming air is compressed. Includes the operation of variable stator blades, linkage to the various valves and sense lines. Typical parts are case, the rotating portion of the compressor, lines, fan blades, disc, bearing, seal, mount, carbon seal, disc tie bolts, shaft, static and variable stator blades, linkage, actuator, etc.

7240 Turbine Engine Combustion Section

The engine section in which fuel and air are mixed and burned. Typical parts are case, burner can, liner, vane ring, etc.

7250 Turbine Section

The engine section which contains the turbine disc and associated nozzles and cases. Typical parts are case, disc, blade, nozzle, bearing, bearing cover, power turbine, shaft, tie bolts, seals, etc.

7260 Turbine Engine Accessory Drive

The engine mounted gearbox which provides mechanical power takeoffs to drive accessories such as pumps, generators, chip detectors. Does not include the remote gearboxes which are filed in JASC code 8300.

7261 Turbine Engine Oil System

The system components and parts which provide lubricating oil pressure, circulation and scavenging throughout the engine. Does not include externally mounted storage tanks filed in JASC code 7910, coolers in JASC code 7921, or connecting lines in JASC code 7920. Typical parts are relief valve, fitting, seal, pump, screen, filter, seal, check valve, element, etc.

7270 Turbine Engine Bypass Section

For the non-rotating portion of engine air flow ducting for the prime purpose of adding to engine thrust of turbo-jet engines. Does not include the rotating components such as blades. Typical parts are duct, skin, duct segment, etc.

7297 Turbine Engine System Wiring

For reports indicating a problem with wiring specific to the Turbine Engine System.

73 - Engine Fuel and Control

7300 Engine Fuel and Control

For general reports of turbine or reciprocating engine fuel systems with insufficient information to file in a more specific JASC 7300 series code.

7310 Engine Fuel Distribution

For components and parts of the engine fuel system from the main quick disconnect fitting or airframe fuel system strainer to the fuel control unit. Does not include the controlling or metering aspects filed in JASC code 7322, or the primer systems in JASC code 2820 on reciprocating engines, or the engine fuel

pumps, fuel heater, cooler, divider, or injector nozzle (turbine and piston engines). Typical parts are supply lines, hoses, fuel, filters on turbine engines, shutoff and solenoid valves, etc.

7311 Engine Fuel/Oil Cooler

The unit in which aircraft fuel flows to cool the turbine engine lubricating oil. Does not include the connecting lines.

7312 Fuel Heater

The unit which heats fuel flowing to the engine to prevent freezing of entrapped water. Does not include connecting lines or the heat source.

7313 Fuel Injector Nozzle

The unit which injects metered fuel into piston engine cylinders and burner cans in turbine engines.

7314 Engine Fuel Pump

For reports pertaining to engine fuel pumps. Typical parts are housing, spring, rocker, pump, diaphragm, shaft, seal, relief valve, regulator, coupling, etc.

7320 Fuel Controlling System

The system components or parts other than the fuel control, amplifier, computer, carburetor and indication systems which control and deliver metered fuel/air to engine cylinders or turbine engine burner cans. Typical parts are sense line, power and drain valve (P & D valve), drain valve, carburetor inlet temperature sensor, etc.

7321 Fuel Control/Turbine Engines

The components which electronically control metered fuel flow under infinite temperature, altitude, and barometric pressure conditions. This code is also to be used for turbine engines which utilize electronic and non-electronic fuel controls. Typical parts are computer, amplifier, sync box, CIT sensor, etc.

7322 Fuel Control/Reciprocating Engines

The component which meters fuel/air mixture for engine combustion on reciprocating engines. This code is to be used for fuel injection systems, carburetor systems or other mechanical fuel metering devices reciprocating engine. The typical parts are carburetor, fuel injector, float, diaphragm, bellows, shaft, venturi, control arm, throttle body, servo, discharge tube, bushing, needle, seat, accelerator pump, pin, bearings, etc.

7323 Turbine Governor

The component which controls the RPM of turbine engines. Typical parts are governor, shaft, overspeed limiter, topping governor, etc.

7324 Fuel Divider

The unit in metered fuel lines which directs fuel to individual cylinders or burner cans.

7330 Engine Fuel Indicating System

For reports of fuel temperature, flow rate, or pressure indicating and warning systems other than the indicators, sensors, and transmitters. Typical parts are line, hose, lamp, bulb, wiring harness, circuit breaker, etc.

7331 Fuel Flow Indicating

The instrument which indicates the flow rate of metered fuel to the engine. Does not include the transmitter. Typical parts are indicator, power supply, needle, dial, etc.

7332 Fuel Pressure Indicating

The instrument which indicates the pressure of fuel at the fuel control/carburetor as provided by the engine driven or motor driven pumps. Includes the pressure warning indicating lamps. Typical parts are indicator, bourdon tube, diaphragm, needle, case, etc.

7333 Fuel Flow Sensor

The unit and associated circuitry and parts which senses and transmits the rate of fuel flow to the cockpit indicator. Typical parts are transmitter, sensor, fitting, connector, transducer, etc.

7334 Fuel Pressure Sensor

The units which sense and transmit to the cockpit indicator or indicator lamps, the pressure of fuel available at the engine fuel control/carburetor. Includes pressure switch and circuitry for warning indication. Typical parts are transducer, transmitter, switch, etc.

7397 Engine Fuel System Wiring

For reports indicating a problem with wiring specific to the Engine Fuel System.

74 - Ignition

7400 Ignition System

For general reports of ignition problems with insufficient information to file in a more specific JASC 7400 series code.

7410 Ignition Power Supply

The units and components which generate, control, furnish or distribute an electrical current to ignite the fuel air mixture in cylinders of reciprocating engines or in the combustion chambers or thrust augmentors of turbine engines.

7411 Low Tension Coil

For reports of magneto coils used on select engines such as the Pratt & Whitney (PWA), Model R2800, to generate a low tension voltage to high tension voltage coil mounted at each engine cylinder. Not generally used on modern light aircraft reciprocating engines.

7412 Exciter

The unit used with turbine engine ignition systems for starting engines. Typical parts are exciter box, bracket, relay. The component make and model should be included.

7413 Induction Vibrator

The unit which provides a high tension spark to reciprocating engine spark plugs for starting.

7414 Magneto/Distributor

The components which generate and distribute a high voltage to spark plugs in reciprocating engines for fuel/air combustion. Typical parts are coil, breaker points, gear, bearing, contact finger, distributor block, frame, impulse coupling, condenser, rotor, cam, electrode, seal, etc.

7420 Ignition Harness (Distribution)

The high tension insulated wiring from the magneto to the spark plug in reciprocating engines which provides a spark for combustion. For turbine engine, the high tension leads to burner can igniters for used for starting. Typical parts are lead, shielding, sleeve, ignition cable, terminal, ferrule, etc.

7421 Spark Plug/Igniter

The part which provides the spark in the reciprocating engine cylinders or combustion chamber of turbine engines.

7430 Ignition Switching

The unit which provides a means of rendering the ignition power supply (magneto) inoperative. Also used to direct electrical current to the magneto switch. Does not include engine cranking which is covered in JASC code 8010. Typical parts are start button (only if associated with a ignition switching discrepancy), switch, back plate, contacts, etc.

7497 Ignition System Wiring

For reports indicating a problem with wiring specific to the Ignition System.

75 - Air

7500 Engine Bleed Air System

For general reports of turbine engine compressor bleed air systems used to control the flow of air through the engine, cooling air systems, and heated air for engine anti-icing reported with insufficient information to file in a more specific JASC 7500 series code.

7510 Engine Anti-Icing System

The engine system components and parts used to eliminate and prevent the formation of ice. Includes the control valve and associated actuator, switch and circuitry which controls the flow of turbine engine compressor bleed air to the engine anti-icing system. Anti-icing reports pertaining to the powerplant cowling are filed in JASC code 3020. Typical parts are control valve, actuator, motor, switch, relay, circuit breaker, hose, manifold, coupling, fuel heat duct, fuel heat valve, etc.

7520 Engine Cooling System

The portion of the engine compressor bleed air system which is used to ventilate engine compartments and accessories. Does not include the engine bleed control valve which is filed in JASC code 7532. Typical parts are jet pumps, vortex generators, valve, actuator, and associated parts and circuitry used to control bleed air to engine accessory cooling systems.

7530 Compressor Bleed Control

The system except valve and governor which controls the flow of air through turbine engines. Typical parts are sense line, fittings, cables, sense line filter, speed sense valve, etc.

7531 Compressor Bleed Governor

The unit controlling relative position of the compressor bleed valve in turbine engines for air flow control.

7532 Compressor Bleed Valve

The component which releases air from turbine engine compressor sections for air flow control. Typical parts are bleed valve, actuator, check valve, etc.

7540 Bleed Air Indicating System

The systems which indicate temperature, pressure, control positions and warning indications of turbine engine compressor bleed air systems in turbine engines. Typical parts are transmitter, sensor, indicator, lamp, pressure switch, etc.

7597 Engine Bleed Air System Wiring

For reports indicating a problem with wiring specific to the Engine Bleed Air System.

76 - Engine Controls

7600 Engine Controls

The controls which govern the operation of the engine. Includes units and components which are interconnected for emergency shutdown. For turboprop engines, includes linkages and controls to the coordinator or equivalent to the propeller governor, fuel control unit or other units being controlled. For reciprocating engines, includes controls for blowers. Does not include units or components which are specifically included in other chapters. For general reports of engine control problems with insufficient information to file in a more specific JASC 7600 series code.

7601 Engine Synchronizing

The components providing for engine synchronization in multi-engine aircraft.

7602 Mixture Control

The control for adjusting fuel-air mixture in piston engines. Includes linkage from the cockpit lever to the carburetor or fuel injector servo but does not include the arm on mixture control shafts. Typical parts are cable, rod, bellcrank, rod end, housing, clamp and cockpit control lever/knob.

7603 Power Lever

The system which provides for control of carburetor or fuel injectors on piston engines; fuel controls or coordinator on turbine engines; and propeller regulator turboprop engines. Typical parts are cable, rod, rod end, bellcrank, bracket, clamp, actuator, shaft, shaft pin, knob, etc.

7620 Engine Emergency Shutdown System

The system which provides for rapid, complete shutoff of combustible fluids to the engine compartments during emergency procedures. Typical parts are cable, actuator, switch, lever, etc.

7697 Engine Control System Wiring

For reports indicating a problem with wiring specific to the Engine Control System.

77 - Engine Indicating

7700 Engine Indicating System

For general reports of engine indicating system discrepancies with insufficient information to file in a more specific JASC 7700 series code. This code is also used for reports with multiple engine indications.

7710 Power Indicating System

For power indicating systems which directly or indirectly indicates power or thrust (i.e., brake mean effective pressure {BMEP}, engine pressure ratio {EPR}, RPM, etc.) but is not covered in JASC codes 7711 through 7722.

7711 Engine Pressure Ratio (EPR)

The system which sense, measures, and indicates the engine pressure ratio (EPR) of an turbine engine. The system measures the difference between the compressor inlet pressure and the turbine discharge pressure. Typical parts are sensor, transducer, transmitter, probe, etc.

7712 Engine BMEP/Torque Indicating

The system that senses and measures brake mean effective pressure (BMEP) or engine torque in turbo-prop and piston engines. Does not include internal parts which are type certificated with the engine. Typical parts are indicator, line, sensor, transmitter, pressure switch, etc.

7713 Manifold Pressure (MP) Indicating

The reciprocating engine manifold pressure (MP) indicating system including the indicator and sensor. Typical parts are lines, hoses and fittings.

7714 Engine RPM Indicating System

The system including the indicator and sensor which indicates engine speed in revolutions per minute (RPM). Typical parts are, cable, connector, tachometer, tachometer generator, N1 indicator.

7720 Engine Temperature Indicating System

For general reports of the system components and parts which indicate engine temperature with insufficient information to file in a more specific JASC 7700 series code.

7721 Cylinder Head Temperature (CHT) Indicating System

The instruments which indicates temperature measured at reciprocating engine cylinder heads. Typical parts are indicator, case, dial, needle, thermocouple lead, sensor, and connector, etc.

7722 Engine EGT/TIT Indicating System

For reports of exhaust gas temperature (EGT) or turbine inlet temperature (TIT) temperature sensing and indicating. Includes the EGT indicators for both reciprocating and turbine engines; and the TIT for turbine engines. Typical parts are wiring, turbine outlet temperature (TOT) indicator, EGT indicator, probe, harness, terminal, connector, indicator, sensor, transducer, transmitter, etc.

7730 Engine Ignition Analyzer System

For general reports of reciprocating engine ignition analyzer system problems. Typical parts are the amplifier, wiring harness, and sensor, etc.

7731 Engine Ignition Analyzer

The unit which interprets and indicates by oscilloscope the condition of ignition systems on reciprocating engines.

7732 Engine Vibration Analyzer

For general reports of the engine vibration analyzer system indicating to the flight crew unusual engine vibration conditions. Typical parts are connector, harness, indicator, monitor, sensor, amplifier, etc.

7740 Engine Integrated Instrument System

The portion of the system which is an integrated concept that receives engine operating parameters and transmits them to a central processor for cockpit presentation. Typical parts are the display units, transmitters, receivers, computers, etc.

7797 Engine Indicating System Wiring

For reports indicating a problem with wiring specific to the Engine Indication System.

78 - Engine Exhaust

7800 Engine Exhaust System

For general reports of engine exhaust system defects with insufficient information to file in a more specific JASC 7800 series code.

7810 Engine Collector/Tailpipe/Nozzle

That portion of the system which collects the exhaust gases from the cylinders, turbines, or turbochargers and conducts them overboard. Includes variable vanes, or nacelle tailpipes used on turboprop powered aircraft and turbo-shaft powered rotorcraft. Typical parts are tailpipe, cone, nozzle, clamp eyebolt, duct, ejector, etc.

7820 Engine Noise Suppressor

For general reports of muffler system defects. The component used on reciprocating engines to reduce engine exhaust noise. Does not include the shroud over the muffler used to collect heated fresh air for cabin and carburetor heat filed in JASC code 2140. Includes the clover leaf shaped unit mounted on turbo-jet engine exhaust tailpipes for sound suppression. Typical parts are baffle, and flame tube, etc.

7830 Engine Thrust Reverser

The airframe furnished system and components mounted at turbo-jet engine exhaust tailpipes, or turbofan engine variable fan reverser components used to direct engine thrust forward for deceleration. Does not include the engine tailpipe. Typical parts are door, flex drive, relay, solenoid, switch, switch arm, bolt, valve, line, deploy line, rail, cable, actuator, actuator rod, connector plug, seal, support, fitting, shaft, link, nozzle, hose, etc.

7897 Engine Exhaust System Wiring

For reports indicating a problem with wiring specific to the Engine Exhaust System

79 - Engine Oil

7900 Engine Oil System (Airframe Furnished)

For general reports of system units external to the engine which store and deliver engine lubricating oil to and from both turbine and reciprocating engines with insufficient information to file in a more specific JASC 7900 series code.

7910 Engine Oil Storage (Airframe Furnished)

The engine oil storage tank furnished by the airframe manufacturer. Includes attached parts such as filler caps, mount brackets, but excludes engine manufacturer furnished tanks, quantity indication systems, and distribution lines. Typical parts are tank, cap, seal, bracket, drain valve, etc.

7920 Engine Oil Distribution (Airframe Furnished)

The external oil system which distributes engine lubricating oil from the storage tanks to and from the engine. Does not include externally mounted units such as oil coolers, oil filters, shutoff valves. Typical parts are line, hose, coupling, fitting, clamp, etc.

7921 Engine Oil Cooler

The component and associated parts that cools engine lubricating oil. Includes brackets, outlet doors, scoops, ducts and louvers, but excludes the temperature regulator. Typical parts are cooler, duct, scoop, door, door actuator, etc.

7922 Engine Oil Temperature Regulator

The unit which is mounted on the airframe oil cooler or the engine for controlling engine lubricating oil temperature. Typical parts are thermostat, thermal valve, regulator, etc.

7923 Engine Oil Shutoff Valve

The component and associated controls which stop the flow of lubricating oil to the engine for emergency purposes.

7930 Engine Oil Indicating System

For general reports of engine oil pressure, temperature and quantity and those reports with insufficient information to file in a more specific JASC 7900 series code. Includes oil filter bypass switch, chip detector light, indicators, etc.

7931 Engine Oil Pressure

The instrument or warning lamp which indicates, senses, or transmits the pressure of engine lubricating oil available at the engine or when the pressure is improper for the conditions. This code is also used for discrepancies involving oil pressure regulation. Typical parts are transducer, pressure switch, transmitter, pressure regulator, indicator, case, dial, needle, lamp, etc.

7932 Engine Oil Quantity

The instrument or warning lamp which senses or indicates the quantity of oil in supply tanks or warns of an insufficient quantity. Typical parts are transmitter, indicator, case, lamp, etc.

7933 Engine Oil Temperature

The instrument which senses and indicates temperature of engine oil. Typical parts are sensor, temperature bulb, case, indicator, needle, dial, etc.

7997 Engine Oil System Wiring

For reports indicating a problem with wiring specific to the Engine Oil System.

80 - Starting

8000 Engine Starting System

The units, components and associated systems used for starting the engine. Includes electrical, inertia air or other starter systems. Does not include ignition systems which are covered in JASC Chapter 74, IGNITION.

8010 Engine Cranking

The portion of the system which is used to perform the cranking functions of the starting operation. Typical parts are plumbing, valve, wiring, start switch, relay, etc.

8011 Engine Starter

The component used for starting the engines. Includes parts which are separated from the engine during starter removals, but does not include parts within the engine. Does not include the starter-generator which is filed in JASC code 2435. Typical parts are brush, bearing, shaft, clutch, adaptor, backplate, housing, winding, terminal post, etc.

8012 Engine Start Valves/Controls

The valves and controls used for starting engines.

8097 Engine Starting System Wiring

For reports indicating a problem with wiring specific to the Engine Starting System.

81 - Turbocharging

8100 Exhaust Turbine System (Reciprocating)

For reports of exhaust turbine systems for reciprocating engines. Includes power recovery turbine assemblies and turbocharger units when external to the engine.

8110 Power Recovery Turbine

The turbines which extract energy from the exhaust gases and are coupled to the crankshaft on reciprocating engines. Includes the power recovery turbine unit when external to the engine. The drive shaft, coupling, and gears are filed in JASC code 8540.

8120 Exhaust Turbocharger

For reports of airframe or engine manufacturer furnished exhaust driven turbocharger systems including the turbocharger unit, density controller and waste gate valve. Does not include the tailpipe. Typical parts are clamp, coupling, rod end, bracket, hose, scroll, bearing, impeller, shaft, etc.

8197 Turbocharger System Wiring

For reports indicating a problem with wiring specific to the Turbocharger System.

82 - Water Injection

8200 Water Injection System

The system components and parts which inject a water mixture into induction system of turbine and reciprocating engines. Typical parts are pump, switch, tank, valve, etc.

8297 Water Injection System Wiring

For reports indicating a problem with wiring specific to the Water Injection System.

83 - Accessory Gearboxes

8300 Accessory Gearboxes

The units and components which are remotely installed and connected to the engine by a drive shaft and which does not include those accessory drives which are bolted to and are immediately adjacent to the engine. The latter item should be filed in JASC code 7200. Does not include accessory drives bolted to and adjacent to engine which are normally filed in JASC code 7260.

8397 Accessory Gearbox System Wiring

For reports indicating a problem with wiring specific to the Accessory Gearbox.

85 - Reciprocating Engine

8500 Engine (Reciprocating)

For general reports concerning reciprocating engine problems reported with insufficient information to file in a more specific JASC 8500 series code. Also for reports without reference to the applicable engine section or system. Typical reports would pertain to overtemperature, metal contamination, vibration, etc.

8510 Reciprocating Engine Front Section

For reports of the piston engine front cases which contain the propeller shaft, reduction gears, and accessory drive. Typical parts are propeller shaft, gear, bearing, bushing, case, seal, pinion gear.

8520 Reciprocating Engine Power Section

The section which contains the crankshaft, cam shaft, tappet guides, valve lifters, connecting rods, drive gears, etc. Does not include the push rods which are filed in the cylinder section in JASC code 8530 or rear case accessory drives. Typical parts are crankcase, crankshaft, cam ring, lifter, camshaft, cylinder stud, connecting rod, bolt, through bolt, cap, rod bolt, main bearing, rod bearing, etc.

8530 Reciprocating Engine Cylinder Section

For reports of engine cylinders and associated parts including the intake pipes and valve push rods/housing. Also includes the cylinder baffles furnished by the engine manufacturer for engine cooling. Does not include the connecting rods or cylinder flange hold down bolts/studs which are in filed JASC code 8520. Typical parts are piston, piston pin, exhaust valve, intake valve, valve guide, rocker arm, valve cover, cylinder, pushrod housing, intake pipe, piston pin plug, valve spring, rocker shaft, piston ring, oil drain lines, clamp, baffles, etc.

8540 Reciprocating Engine Rear Section

The case or section where accessories and associated engine drives are located. Includes the accessory pads, drives and drive seals but not the accessories. Does not include oil pump, filter or internal lubricating system which are filed in JASC code 8550. Typical parts are seal, gear, drive shaft, case, bearing, spacer. The power recovery turbine (PRT) drive shaft, coupling, and gears are also filed in this code.

8550 Reciprocating Engine Oil System

The components and parts that provide oil pressure and distribute lubricating oil within the engine. Includes the plumbing leading to and from the using external systems and components which utilize engine system oil for operation. Does not include the externally mounted oil system storage tanks and connecting lines which are filed in JASC code 7910, or the oil cooler lines, hoses, and drain valves in JASC code 7920. Typical parts are pressure and scavenge pump, impeller, housing, filter, air-oil separator, crankcase breather, screen, element, relief valve, drive gear, adapter, pan, dipstick, cap, propeller governor oil lines, etc.

8560 Reciprocating Engine Supercharger

The components and parts of the Supercharger system. Typical parts are case, impeller, rotors, bearings, seals, belts, pulleys or sprockets. Does not include gears in engine rear section.

8570 Reciprocating Engine Liquid Cooling

The components and parts that provide cooling liquid to the engine. Includes the plumbing leading to and from the engine. Typical parts are radiator, hoses, pump, drive belt, pulleys, bearings, seals, overflow line, overflow tank, pressure cap, thermostat.

8597 Reciprocating Engine System Wiring

For reports indicating a problem with wiring specific to the Reciprocating Engine System.



U.S. Department
of Transportation
**Federal Aviation
Administration**



Flight Standards Service

JASC Code Feedback Information

Please submit any written comments or recommendations for improving this manual or suggest new items or subjects to be added to it. Also, if you find an error, please tell us about it.

TO: Manager, Aviation Data Systems Branch AFS-620
PO Box 25082
Oklahoma City, OK 73125-5029

(Please check all appropriate line items)

An error (procedural or typographical) has been noted in paragraph _____ on page _____.

Recommend paragraph _____ on page _____ be changed as follows:
(attach separate sheet if necessary)

In a future change to this manual, please include coverage on the following subject:
(Briefly describe what you want added)

Other comments:

I would like to discuss the above. Please contact me.

Submitted by: _____ Date: _____

Telephone Number: _____ Routing Symbol: _____