Subject: Learning Statement Reference Guide for Airman Knowledge Testing

Purpose: This reference guide contains the listings of Learning Statements and Learning Statement Codes for airman knowledge testing. It includes codes for pilots, instructors, flight engineers, dispatchers, navigators, pilot examiners, inspection authorization, parachute riggers, and aircraft mechanics.

Cancellation: AC 60-25F, Reference Materials and Subject Matter Knowledge Codes for Airman Knowledge Testing, dated 6/8/04, is canceled. Because Airman Knowledge Test Reports are valid for two years, AC 60-25F will remain available on this website until September 30, 2009. Codes listed in this reference guide shall be used for exams delivered on and after September 28, 2007.

General: The expression ‘learning statement,’ as used in airman testing, refers to measurable statements of knowledge that a student should be able to demonstrate following a defined element of training. In order that the individual learning statements may be read as complete sentences, they should be assumed to be preceded by the words: “Upon the successful completion of training the student should be able to . . . . “

In general, the learning statements are worded in such a way, the standard required to achieve them is self-evident. It should be noted that learning statements do not provide a ready-made ground training syllabus and should not be viewed as a substitute for thorough training course design.

When an applicant for an airman certificate takes the applicable airman knowledge test required for that certificate, the applicant will receive an Airman Knowledge Test Report. The test report will list the learning statement codes for questions that are answered incorrectly. The student should match the code with the learning statement code contained in this document to review areas of deficiency. A listing of reference material for knowledge training testing is contained in the applicable Federal Aviation Knowledge Test Guide. An applicant’s instructor is required to provide instruction on each of the areas of deficiency listed on the Airman Knowledge Test Report and to complete an endorsement of this instruction. The Airman Knowledge Test Report must be presented to the examiner conducting the practical test. During the oral portion of the practical test, the examiner is required to evaluate the noted areas of deficiency.

Electronic Access: The learning statement codes, some of the reference material listed, and knowledge test guides can be obtained from the Federal Aviation Administration (FAA) website at: www.faa.gov.
LEARNING STATEMENT CODES and LEARNING STATEMENTS for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners Exams

PLT001 Calculate a course intercept
PLT002 Calculate aircraft performance - airspeed
PLT003 Calculate aircraft performance - center of gravity
PLT004 Calculate aircraft performance - climb / descent
PLT005 Calculate aircraft performance - density altitude
PLT006 Calculate aircraft performance - glide
PLT007 Calculate aircraft performance - IAS / EPR
PLT008 Calculate aircraft performance - landing
PLT009 Calculate aircraft performance - measured gas temperature (MGT)
PLT010 Calculate aircraft performance - STAB TRIM
PLT011 Calculate aircraft performance - takeoff
PLT012 Calculate aircraft performance - time/speed/distance/course/fuel/wind
PLT013 Calculate crosswind / headwind components
PLT014 Calculate distance / bearing from/to a station
PLT015 Calculate flight performance / planning - range
PLT016 Calculate fuel dump - time / weight / volume
PLT017 Calculate L/D ratio
PLT018 Calculate load factor / stall speed / velocity / angle of attack
PLT019 Calculate pressure altitude
PLT020 Calculate turbulent air penetration
PLT021 Calculate weight and balance
PLT022 Define Aeronautical Decision Making (ADM)
PLT023 Define altitude - absolute / true / indicated / density / pressure
PLT024 Define atmospheric adiabatic process
PLT025 Define Bernoulli’s principle
PLT026 Define ceiling
PLT027 Define coning
PLT028 Define crewmember
PLT029 Define critical phase of flight
PLT030 Define false lift
PLT031 Define isobars / associated winds
PLT032 Define MACH speed regimes
PLT033 Define MEA / MOCA / MRA
PLT034 Define stopway / clearway
PLT035 Define Vne / Vno
PLT036 Interpret a MACH meter reading
PLT037 Interpret a radar weather report
PLT038 Interpret aircraft Power Schedule Chart
PLT039 Interpret airport landing indicator
PLT040 Interpret airspace classes - charts / diagrams
PLT041 Interpret altimeter - readings / settings
PLT042 Interpret Analysis Heights / Isotachs Chart
PLT043 Interpret Analysis Heights / Temperature Chart
### LEARNING STATEMENT CODES and LEARNING STATEMENTS

for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners

Exams

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<td>PLT046</td>
<td>Interpret drag ratio from charts</td>
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<td>PLT047</td>
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LEARNING STATEMENT CODES and LEARNING STATEMENTS
for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners
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PLT087 Interpret readings on an Aircraft Course and DME Indicator
PLT088 Interpret speed indicator readings
PLT089 Interpret Takeoff Speeds Chart
PLT090 Interpret VOR - charts / indications / CDI / ADF / NAV
PLT091 Interpret VOR / ADF / NDB / CDI / RMI - illustrations / indications / procedures
PLT092 Interpret weight and balance - diagram
PLT093 Recall administration of medical oxygen
PLT094 Recall aerodynamics - airfoil design / pressure distribution
PLT095 Recall aerodynamics - longitudinal axis / lateral axis
PLT096 Recall aeromedical factors - effects of altitude
PLT097 Recall aeromedical factors - effects of carbon monoxide poisoning
PLT098 Recall aeromedical factors - fitness for flight
PLT099 Recall aeromedical factors - scanning procedures
PLT100 Recall aeronautical charts - IFR En Route Low Altitude
PLT101 Recall aeronautical charts - pilotage
PLT102 Recall aeronautical charts - terminal procedures
PLT103 Recall Aeronautical Decision Making (ADM) - hazardous attitudes
PLT104 Recall Aeronautical Decision Making (ADM) - human factors
PLT105 Recall airborne radar - use / limitations
PLT106 Recall aircraft air-cycle machine
PLT107 Recall aircraft alternator / generator system
PLT108 Recall aircraft anti-icing / deicing - methods / fluids
PLT109 Recall aircraft batteries - capacity / charging / types / storage / rating / precautions
PLT110 Recall aircraft brake system
PLT111 Recall aircraft circuitry - series / parallel
PLT112 Recall aircraft controls - proper use / techniques
PLT113 Recall aircraft design - categories / limitation factors
PLT114 Recall aircraft design - construction / function
PLT115 Recall aircraft engine - detonation cause / characteristics
PLT116 Recall aircraft general knowledge / publications / AIM / navigational aids
PLT117 Recall aircraft heated windshields
PLT118 Recall aircraft instruments - gyroscopic
PLT119 Recall aircraft lighting - anti-collision / landing / navigation
PLT120 Recall aircraft limitations - turbulent air penetration
PLT121 Recall aircraft loading - computations
PLT122 Recall aircraft operations - checklist usage
PLT123 Recall aircraft performance - airspeed
PLT124 Recall aircraft performance - atmospheric effects
PLT125 Recall aircraft performance - climb / descent
PLT126 Recall aircraft performance - cold weather operations
PLT127 Recall aircraft performance - density altitude
PLT128 Recall aircraft performance - effects of icing
PLT129 Recall aircraft performance - effects of runway slope
LEARNING STATEMENT CODES and LEARNING STATEMENTS for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners Exams

PLT130 Recall aircraft performance - fuel
PLT131 Recall aircraft performance - ground effect
PLT132 Recall aircraft performance - instrument markings / airspeed / definitions / indications
PLT133 Recall aircraft performance - normal climb / descent rates
PLT134 Recall aircraft performance - takeoff
PLT135 Recall aircraft pressurization - system / operation
PLT136 Recall aircraft systems - anti-icing / deicing
PLT137 Recall aircraft systems - environmental control
PLT138 Recall aircraft tires - types / characteristics
PLT139 Recall aircraft warning systems - stall / fire / retractable gear / terrain awareness
PLT140 Recall airport operations - LAHSO
PLT141 Recall airport operations - markings / signs / lighting
PLT142 Recall airport operations - noise avoidance routes
PLT143 Recall airport operations - rescue / fire fighting vehicles and types of agents
PLT144 Recall airport operations - runway conditions
PLT145 Recall airport operations - runway lighting
PLT146 Recall airport operations - traffic pattern procedures
PLT147 Recall airport operations - visual glideslope indicators
PLT148 Recall airport operations lighting - MALS / ALSF / RCLS / TDZL
PLT149 Recall airport taxi operations - procedures
PLT150 Recall airport traffic patterns - entry procedures
PLT151 Recall airship - buoyancy
PLT152 Recall airship - flight characteristics / controllability
PLT153 Recall airship - flight operations
PLT154 Recall airship - ground weigh-off / static / trim condition
PLT155 Recall airship - maintaining pressure
PLT156 Recall airship - maximum headway / flight at equilibrium
PLT157 Recall airship - pressure height / dampers / position
PLT158 Recall airship - pressure height / manometers
PLT159 Recall airship - pressure height / super heat / valving gas
PLT160 Recall airship - stability / control / positive superheat
PLT161 Recall airspace classes - limits / requirements / restrictions / airspeeds / equipment
PLT162 Recall airspace requirements - operations
PLT163 Recall airspace requirements - visibility / cloud clearance
PLT164 Recall airspeed - effects during a turn
PLT165 Recall altimeter - effect of temperature changes
PLT166 Recall altimeter - settings / setting procedures
PLT167 Recall altimeters - characteristics / accuracy
PLT168 Recall angle of attack - characteristics / forces / principles
PLT169 Recall antitorque system - components / functions
PLT170 Recall approach / landing / taxiing techniques
### LEARNING STATEMENT CODES and LEARNING STATEMENTS
#### for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners
#### Exams

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<td>Recall ATC - reporting</td>
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<td>PLT172</td>
<td>Recall ATC - system / services</td>
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<td>PLT173</td>
<td>Recall atmospheric conditions - measurements / pressure / stability</td>
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<td>PLT174</td>
<td>Recall autopilot - components / operating principles / characteristics</td>
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<td>PLT175</td>
<td>Recall autorotation</td>
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<td>PLT176</td>
<td>Recall balance tab - purpose / operation</td>
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<td>PLT177</td>
<td>Recall balloon - flight operations</td>
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<td>PLT178</td>
<td>Recall balloon - flight operations / gas</td>
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<td>PLT179</td>
<td>Recall balloon - ground weigh-off / static equilibrium / load</td>
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<td>PLT180</td>
<td>Recall balloon - hot air / lift / false lift / characteristics</td>
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<td>PLT181</td>
<td>Recall balloon - hot air / physics</td>
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<td>PLT182</td>
<td>Recall balloon - inspecting the fabric</td>
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<td>PLT183</td>
<td>Recall balloon flight operations - ascent / descent</td>
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<td>PLT184</td>
<td>Recall balloon flight operations - launch / landing</td>
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<td>Recall basic instrument flying - fundamental skills</td>
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<td>Recall basic instrument flying - pitch instruments</td>
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<td>Recall basic instrument flying - turn coordinator / turn and slip indicator</td>
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<td>PLT189</td>
<td>Recall carburetor - effects of carburetor heat / heat control</td>
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<td>PLT190</td>
<td>Recall carburetor ice - factors affecting / causing</td>
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<td>PLT191</td>
<td>Recall carburetors - types / components / operating principles / characteristics</td>
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<td>PLT192</td>
<td>Recall clouds - types / formation / resulting weather</td>
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<td>PLT193</td>
<td>Recall cockpit voice recorder (CVR) - operating principles / characteristics / testing</td>
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<td>Recall collision avoidance - scanning techniques</td>
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<td>PLT195</td>
<td>Recall collision avoidance - TCAS</td>
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<td>Recall communications - ATIS broadcasts</td>
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<td>Recall Coriolis effect</td>
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<td>Recall course / heading - effects of wind</td>
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<td>Recall cyclic control pressure - characteristics</td>
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<td>PLT200</td>
<td>Recall dead reckoning - calculations / charts</td>
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<td>PLT201</td>
<td>Recall departure procedures - ODP / SID</td>
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<td>Recall DME - characteristics / accuracy / indications / Arc</td>
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<td>Recall earth`s atmosphere - layers / characteristics / solar energy</td>
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<td>Recall effects of temperature - density altitude / icing</td>
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<td>Recall emergency conditions / procedures</td>
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<td>Recall engine pressure ratio - EPR</td>
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LEARNING STATEMENT CODES and LEARNING STATEMENTS for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners

Exams

PLT212 Recall fire extinguishing systems - components / operating principles / characteristics
PLT213 Recall flight characteristics - longitudinal stability / instability
PLT214 Recall flight characteristics - structural / wing design
PLT215 Recall flight instruments - magnetic compass
PLT216 Recall flight instruments - total energy compensators
PLT217 Recall flight maneuvers - quick stop
PLT218 Recall flight operations - common student errors
PLT219 Recall flight operations - maneuvers
PLT220 Recall flight operations - night and high altitude operations
PLT221 Recall flight operations - takeoff / landing maneuvers
PLT222 Recall flight operations - takeoff procedures
PLT223 Recall flight operations multiengine - engine inoperative procedures
PLT224 Recall flight plan - IFR
PLT225 Recall flight plan - requirements
PLT226 Recall fog - types / formation / resulting weather
PLT227 Recall FOI techniques - integrated flight instruction
PLT228 Recall FOI techniques - lesson plans
PLT229 Recall FOI techniques - professionalism
PLT230 Recall FOI techniques - responsibilities
PLT231 Recall FOI techniques / human behavior - anxiety / fear / stress
PLT232 Recall FOI techniques / human behavior - dangerous tendencies
PLT233 Recall FOI techniques / human behavior - defense mechanisms
PLT234 Recall forces acting on aircraft - 3 axis intersect
PLT235 Recall forces acting on aircraft - aerodynamics
PLT236 Recall forces acting on aircraft - airfoil / center of pressure / mean camber line
PLT237 Recall forces acting on aircraft - airspeed / air density / lift / drag
PLT238 Recall forces acting on aircraft - aspect ratio
PLT239 Recall forces acting on aircraft - buoyancy / drag / gravity / thrust
PLT240 Recall forces acting on aircraft - CG / flight characteristics
PLT241 Recall forces acting on aircraft - drag / gravity / thrust / lift
PLT242 Recall forces acting on aircraft - lift / drag / thrust / weight / stall / limitations
PLT243 Recall forces acting on aircraft - propeller / torque
PLT244 Recall forces acting on aircraft - stability / controllability
PLT245 Recall forces acting on aircraft - stalls / spins
PLT246 Recall forces acting on aircraft - steady state climb / flight
PLT247 Recall forces acting on aircraft - thrust / drag / weight / lift
PLT248 Recall forces acting on aircraft - turns
PLT249 Recall fuel - air mixture
PLT250 Recall fuel - types / characteristics / contamination / fueling / defueling / precautions
PLT251 Recall fuel characteristics / contaminants / additives / leaks
PLT252 Recall fuel dump system - components / methods
LEARNING STATEMENT CODES and LEARNING STATEMENTS
for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners
Exams

PLT253 Recall fuel system - components / operating principles / characteristics
PLT254 Recall fuel tank - components / operating principles / characteristics
PLT255 Recall fueling procedures - safety / grounding / calculating volume
PLT256 Recall glider performance - effect of loading
PLT257 Recall glider performance - speed / distance / ballast / lift / drag
PLT258 Recall ground reference maneuvers - ground track diagram
PLT259 Recall ground resonance - conditions to occur
PLT260 Recall gyroplane - aerodynamics / rotor systems
PLT261 Recall hail - characteristics / hazards
PLT262 Recall hazardous material - reports / transportation procedures / labeling
PLT263 Recall hazardous weather - fog / icing / turbulence
PLT264 Recall helicopter approach - settling with power
PLT265 Recall helicopter takeoff / landing - ground resonance action required
PLT266 Recall high lift devices - characteristics / functions
PLT267 Recall hot air balloon - weigh-off procedure
PLT268 Recall hovering - aircraft performance / tendencies
PLT269 Recall human behavior - defense mechanism
PLT270 Recall human behavior - social / self fulfillment / physical
PLT271 Recall human factors (ADM) - judgment
PLT272 Recall human factors - stress management
PLT273 Recall hydraulic systems - components / operating principles / characteristics
PLT274 Recall icing - formation / characteristics
PLT275 Recall ILS - indications / HSI
PLT276 Recall ILS - indications / OBS / CDI
PLT277 Recall ILS - marker beacon / indicator lights / codes
PLT278 Recall indicating systems - airspeed / angle of attack / attitude / heading / manifold pressure / synchro / EGT
PLT279 Recall Inertial Navigation System principles
PLT280 Recall inflight illusions - causes / sources
PLT281 Recall information in an Airport Facility Directory
PLT282 Recall information in the certificate holder’s manual
PLT283 Recall information on a Constant Pressure Analysis Chart
PLT284 Recall information on a Forecast Winds and Temperatures Aloft (FD)
PLT285 Recall information on a Height Velocity Diagram
PLT286 Recall information on a Significant Weather Prognostic Chart
PLT287 Recall information on a Surface Analysis Chart
PLT288 Recall information on a Terminal Aerodrome Forecast (TAF)
PLT289 Recall information on a Weather Depiction Chart
PLT290 Recall information on AIRMETS / SIGMETS
PLT291 Recall information on an Aviation Area Forecast (FA)
PLT292 Recall information on an Instrument Approach Procedures (IAP)
PLT293 Recall information on an Instrument Departure Procedure Chart
PLT294 Recall information on Inflight Aviation Weather Advisories
LEARNING STATEMENT CODES and LEARNING STATEMENTS
for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners
Exams

PLT295 Recall instructor techniques - obstacles / planning / activities / outcome
PLT296 Recall instrument procedures - holding / circling
PLT297 Recall instrument procedures - unusual attitude / unusual attitude recovery
PLT298 Recall instrument procedures - VFR on top
PLT300 Recall instrument/navigation system checks/inspections - limits / tuning / identifying / logging
PLT301 Recall inversion layer - characteristics
PLT302 Recall jet stream - types / characteristics
PLT303 Recall L/D ratio
PLT304 Recall launch procedures
PLT305 Recall leading edge devices - types / effect / purpose / operation
PLT306 Recall learning process - levels of learning / transfer of learning / incidental learning
PLT307 Recall learning process - memory / fact / recall
PLT308 Recall learning process - principles of learning elements
PLT309 Recall load factor - angle of bank
PLT310 Recall load factor - characteristics
PLT311 Recall load factor - effect of airspeed
PLT312 Recall load factor - maneuvering / stall speed
PLT313 Recall loading - limitations
PLT314 Recall longitudinal axis - aerodynamics / center of gravity / direction of motion
PLT315 Recall Machmeter - principles / functions
PLT316 Recall meteorology - severe weather watch (WW)
PLT317 Recall microburst - characteristics / hazards
PLT318 Recall minimum fuel advisory
PLT319 Recall navigation - celestial
PLT320 Recall navigation - true north / magnetic north
PLT321 Recall navigation - types of landing systems
PLT322 Recall navigation - VOR / NAV system
PLT323 Recall NOTAMS - classes / information / distribution
PLT324 Recall oil system - types / components / functions
PLT325 Recall operations manual - transportation of prisoner
PLT326 Recall oxygen system - components / operating principles / characteristics
PLT327 Recall oxygen system - install / inspect / repair / service / precautions / leaks
PLT328 Recall performance planning - aircraft loading
PLT329 Recall physiological factors - cabin pressure
PLT330 Recall physiological factors - cause / effects of hypoxia
PLT331 Recall physiological factors - effects of scuba diving / smoking
PLT332 Recall physiological factors - hyperventilation
PLT333 Recall physiological factors - night vision
PLT334 Recall physiological factors - spatial disorientation
PLT335 Recall pilotage - calculations
PLT336 Recall pitch control - collective / cyclic
LEARNING STATEMENT CODES and LEARNING STATEMENTS
for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners
Exams

PLT337  Recall pitot-static system - components / operating principles / characteristics
PLT338  Recall pneumatic system - operation
PLT340  Recall positive exchange of flight controls
PLT341  Recall power settling - characteristics
PLT342  Recall powerplant - controlling engine temperature
PLT343  Recall powerplant - operating principles / operational characteristics / inspecting
PLT344  Recall precipitation - types / characteristics
PLT345  Recall pressure altitude
PLT346  Recall primary flight controls - types / purpose / functionality
PLT347  Recall principles of flight - critical engine
PLT348  Recall principles of flight - turns
PLT349  Recall procedures for confined areas
PLT350  Recall propeller operations - constant / variable speed
PLT351  Recall propeller system - types / components / operating principles / characteristics
PLT352  Recall purpose / operation of a stabilizer
PLT353  Recall Radar Summary Chart
PLT354  Recall radio - GPS / RNAV / RAIM
PLT355  Recall radio - HSI
PLT356  Recall radio - ILS / compass locator
PLT357  Recall radio - ILS / LDA
PLT358  Recall radio - LOC / ILS
PLT359  Recall radio - LORAN
PLT360  Recall radio - Microwave Landing System
PLT361  Recall radio - SDF / ILS
PLT362  Recall radio - VHF / Direction Finding
PLT363  Recall radio - VOR / VOT
PLT364  Recall radio system - licence requirements / frequencies
PLT365  Recall reciprocating engine - components / operating principles / characteristics
PLT366  Recall regulations - accident / incident reporting and preserving wreckage
PLT367  Recall regulations - additional equipment/operating requirements large transport aircraft
PLT368  Recall regulations - admission to flight deck
PLT369  Recall regulations - aerobatic flight requirements
PLT370  Recall regulations - Air Traffic Control authorization / clearances
PLT371  Recall regulations - Aircraft Category / Class
PLT372  Recall regulations - aircraft inspection / records / expiration
PLT373  Recall regulations - aircraft operating limitations
PLT374  Recall regulations - aircraft owner / operator responsibilities
PLT375  Recall regulations - aircraft return to service
PLT376  Recall regulations - airspace special use / TFRS
PLT377  Recall regulations - airworthiness certificates / requirements / responsibilities
## LEARNING STATEMENT CODES and LEARNING STATEMENTS for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners Exams

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for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners
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PLT421 Recall regulations - instrument flight rules
PLT422 Recall regulations - intermediate airport authorizations
PLT423 Recall regulations - knowledge and skill test checks
PLT424 Recall regulations - limits on autopilot usage
PLT425 Recall regulations - maintenance reports / records / entries
PLT426 Recall regulations - maintenance requirements
PLT427 Recall regulations - medical certificate requirements / validity
PLT428 Recall regulations - minimum equipment list
PLT429 Recall regulations - minimum flight / navigation instruments
PLT430 Recall regulations - minimum safe / flight altitude
PLT431 Recall regulations - operating near other aircraft
PLT432 Recall regulations - operational control functions
PLT433 Recall regulations - operational flight plan requirements
PLT434 Recall regulations - operational procedures for a controlled airport
PLT435 Recall regulations - operational procedures for an uncontrolled airport
PLT436 Recall regulations - operations manual
PLT437 Recall regulations - overwater operations
PLT438 Recall regulations - oxygen requirements
PLT439 Recall regulations - persons authorized to perform maintenance
PLT440 Recall regulations - Pilot / Crew duties and responsibilities
PLT441 Recall regulations - pilot briefing
PLT442 Recall regulations - pilot currency requirements
PLT443 Recall regulations - pilot qualifications / privileges / responsibilities
PLT444 Recall regulations - pilot-in-command authority / responsibility
PLT445 Recall regulations - preflight requirements
PLT446 Recall regulations - preventative maintenance
PLT447 Recall regulations - privileges / limitations of medical certificates
PLT448 Recall regulations - privileges / limitations of pilot certificates
PLT449 Recall regulations - proficiency check requirements
PLT450 Recall regulations - qualifications / duty time
PLT451 Recall regulations - ratings issued / experience requirements / limitations
PLT452 Recall regulations - re-dispatch
PLT453 Recall regulations - records retention for domestic / flag air carriers
PLT454 Recall regulations - required aircraft / equipment inspections
PLT455 Recall regulations - requirements of a flight plan release
PLT456 Recall regulations - runway requirements
PLT457 Recall regulations - student pilot endorsements / other endorsements
PLT458 Recall regulations - submission / revision of Policy and Procedure Manuals
PLT459 Recall regulations - takeoff procedures / minimums
PLT460 Recall regulations - training programs
PLT461 Recall regulations - use of aircraft lights
PLT462 Recall regulations - use of microphone / megaphone / interphone
PLT463 Recall regulations - use of narcotics / drugs / intoxicating liquor
LEARNING STATEMENT CODES and LEARNING STATEMENTS
for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners
Exams

PLT464  Recall regulations - use of safety belts / harnesses (crew member)
PLT465  Recall regulations - use of seats / safety belts / harnesses (passenger)
PLT466  Recall regulations - V speeds
PLT467  Recall regulations - visual flight rules and limitations
PLT468  Recall regulations - Visual Meteorological Conditions (VMC)
PLT469  Recall regulations - weather radar
PLT470  Recall rotor system - types / components / operating principles / characteristics
PLT471  Recall rotorcraft transmission - components / operating principles / characteristics
PLT472  Recall rotorcraft vibration - characteristics / sources
PLT473  Recall secondary flight controls - types / purpose / functionality
PLT474  Recall soaring - normal procedures
PLT475  Recall squall lines - formation / characteristics / resulting weather
PLT476  Recall stabilizer - purpose / operation
PLT477  Recall stalls - characteristics / factors / recovery / precautions
PLT478  Recall starter / ignition system - types / components / operating principles / characteristics
PLT479  Recall starter system - starting procedures
PLT480  Recall static/dynamic stability/instability - characteristics
PLT481  Recall student evaluation - learning process
PLT482  Recall student evaluation - written tests / oral quiz / critiques
PLT483  Recall supercharger - characteristics / operation
PLT484  Recall symbols - chart / navigation
PLT485  Recall taxiing / crosswind / techniques
PLT486  Recall taxiing / takeoff - techniques / procedures
PLT487  Recall teaching methods - demonstration / performance
PLT488  Recall teaching methods - group / guided discussion / lecture
PLT489  Recall teaching methods - known to unknown
PLT490  Recall teaching methods - motivation / student feelings of insecurity
PLT491  Recall teaching methods - organizing material / course of training
PLT492  Recall temperature - effects on weather formations
PLT493  Recall the dynamics of frost / ice / snow formation on an aircraft
PLT494  Recall thermals - types / characteristics / formation / locating / maneuvering / corrective actions
PLT495  Recall thunderstorms - types / characteristics / formation / hazards
PLT496  Recall towrope - strength / safety links / positioning
PLT497  Recall transponder - codes / operations / usage
PLT498  Recall Transportation Security Regulations
PLT499  Recall turbine engines - components / operational characteristics / associated instruments
PLT500  Recall turboprop engines - components / operational characteristics
PLT501  Recall turbulence - types / characteristics / reporting / corrective actions
PLT502  Recall universal signals - hand / light / visual
PLT503  Recall use of narcotics / drugs / intoxicating liquor
LEARNING STATEMENT CODES and LEARNING STATEMENTS for Pilots, Instructors, Flight Engineers, Dispatchers, Navigators, and Pilot Examiners Exams

PLT504 Recall use of training aids - types / function / purpose
PLT505 Recall use of training aids - usefulness / simplicity / compatibility
PLT506 Recall V speeds - maneuvering / flap extended / gear extended
PLT507 Recall VOR - indications / VOR / VOT / CDI
PLT508 Recall VOR/altimeter/transponder checks - identification / tuning / identifying / logging
PLT509 Recall wake turbulence - characteristics / avoidance techniques
PLT510 Recall weather - causes / formation
PLT511 Recall weather associated with frontal activity / air masses
PLT512 Recall weather conditions - temperature / moisture / dewpoint
PLT513 Recall weather information - TWEB broadcasts
PLT514 Recall weather reporting systems - briefings / forecasts / reports
PLT515 Recall weather services - EFAS / TIBS / WFO / AFSS / HIWAS
PLT516 Recall winds - types / characteristics
PLT517 Recall winds associated with high / low-pressure systems
PLT518 Recall windshear - characteristics / hazards / power management
PLT519 Recall wing spoilers - purpose / operation
LEARNING STATEMENT CODES and LEARNING STATEMENTS for Parachute Rigger Exams

RIG001 Recall canopy - characteristics / design / inspection / malfunction / repair
RIG002 Recall canopy - exit weight / deployment and flight characteristics
RIG003 Recall canopy - folding / packing / stowage / layout
RIG004 Recall canopy - packing / stowage / layout
RIG005 Recall canopy deployment - devices / sequence / malfunction
RIG006 Recall certification - requirements / privileges / currency / limitations
RIG007 Recall container - design / repair / packing
RIG008 Recall correct rigging procedures
RIG009 Recall fabric - inspection / repair / design / characteristics
RIG010 Recall forces acting on a parachute
RIG011 Recall harness - assembly / adjustment
RIG012 Recall knots - identification / design / repair
RIG013 Recall line replacement / repair - procedures / techniques
RIG014 Recall maintenance fundamentals - cleaning / storage
RIG015 Recall material - threads / defects
RIG016 Recall material - webbing / hook and pile / warp threads
RIG017 Recall packing - airing / drying
RIG018 Recall packing fundamentals - handling / cleaning / storage
RIG019 Recall parachute construction - components
RIG020 Recall parachute performance
RIG021 Recall parachute repair - stitching / seams
RIG022 Recall patching - procedures / techniques
RIG023 Recall ram-air canopy - deployment devices
RIG024 Recall ram-air canopy - design / container / harness
RIG025 Recall ram-air canopy - inspection / assembly / malfunction / repair
RIG026 Recall regulation - Airworthiness Directive
RIG027 Recall regulations - facilities / equipment
RIG028 Recall regulations - foreign parachutists / equipment
RIG029 Recall regulations - inspecting / closing / finishing / sealing parachutes
RIG030 Recall regulations - major / minor repairs / alterations
RIG031 Recall regulations - performance standards
RIG032 Recall regulations - records
RIG033 Recall regulatory requirements - rules & regulations
RIG034 Recall regulatory specifics - rules & regulations
RIG035 Recall ripcord - inspection / repair / replacement / assembly / design / functions
RIG036 Recall sewing - repair / maintenance
RIG037 Recall sewing machine - attachments / needles / thread
RIG038 Recall sewing machine - techniques / adjusting / troubleshooting
RIG039 Recall sewing machine - types / components / functions
RIG040 Recall stitching / seams - types / design / repair
RIG041 Recall suspension / steering lines - inspection / repair / packing / malfunction / design
RIG042 Recall tools
RIG043 Recall TSO requirements
RIG044 Recall types of cuts - shearing / searing / cutting
LEARNING STATEMENT CODES and LEARNING STATEMENTS for Inspection Authorization

IAR001 Calculate alteration specification
IAR002 Calculate center of gravity
IAR003 Calculate electrical load
IAR004 Calculate proof loading
IAR005 Calculate repair specific
IAR006 Calculate sheet metal repair
IAR007 Calculate temperature conversion
IAR008 Calculate weight and balance - adjust weight / fuel
IAR009 Determine alteration parameters
IAR010 Determine alteration requirements
IAR011 Determine Correct data
IAR012 Determine data application
IAR013 Determine design specific
IAR014 Determine fabrication specification
IAR015 Determine process specific
IAR016 Determine regulatory requirement
IAR017 Determine regulatory requirements
IAR018 Determine repair parameters
IAR019 Determine repair requirements
IAR020 Interpret data
IAR021 Interpret regulations
IAR022 Recall alteration / design fundamentals
IAR023 Recall engine repair fundamentals
IAR024 Recall fundamental inspection principles - airframe / engine
IAR025 Recall MEL requirements
IAR026 Recall principles of corrosion control
IAR027 Recall principles of sheet metal forming
IAR028 Recall principles of system fundamentals
IAR029 Recall principles of weight and balance
IAR030 Recall regulatory requirements
IAR031 Recall regulatory specific
IAR032 Recall repair fundamentals
AMG001 Ability to draw / sketch repairs / alterations
AMG002 Calculate center of gravity
AMG003 Calculate weight and balance
AMG004 Determine correct data
AMG005 Determine regulatory requirement.
AMG006 Interpret drag ratio from charts
AMG007 Recall aerodynamic fundamentals
AMG008 Recall air density
AMG009 Recall aircraft cleaning - materials / techniques
AMG010 Recall aircraft component markings
AMG011 Recall aircraft control cables - install / inspect / repair / service
AMG012 Recall aircraft corrosion - principles / control / prevention
AMG013 Recall aircraft drawings - detail / assembly
AMG014 Recall aircraft drawings / blueprints - lines / symbols / sketching
AMG015 Recall aircraft electrical system - install / inspect / repair / service
AMG016 Recall aircraft engines - performance charts
AMG017 Recall aircraft hardware - bolts / nuts / fasteners / fittings / valves
AMG018 Recall aircraft instruments - tachometer indications / dual tachometers
AMG019 Recall aircraft metals - inspect / test / repair / identify / heat treat
AMG020 Recall aircraft metals - types / tools / fasteners
AMG021 Recall aircraft publications - aircraft listings
AMG022 Recall aircraft records - required / destroyed
AMG023 Recall aircraft repair - major
AMG024 Recall airframe - inspections
AMG025 Recall airworthiness certificates - validity / requirements
AMG026 Recall ATA codes
AMG027 Recall basic physics - matter / energy / gas
AMG028 Recall data - approved
AMG029 Recall dissymmetry
AMG030 Recall effects of frost / snow on airfoils
AMG031 Recall electrical system - components / operating principles / characteristics / symbols
AMG032 Recall environmental factors affecting maintenance performance
AMG033 Recall external loading
AMG034 Recall flight characteristics - autorotation / compressibility
AMG035 Recall flight operations - air taxi
AMG036 Recall fluid lines - install / inspect / repair / service
AMG037 Recall fluid lines - material / coding
AMG038 Recall forces acting on aircraft - angle of incidence
AMG039 Recall forces acting on aircraft - yaw / adverse yaw
AMG040 Recall fuel - types / characteristics / contamination / fueling / defueling / dumping
AMG041 Recall fundamental inspection principles - airframe / engine
AMG042 Recall fundamental material properties
AMG043 Recall generator system - components / operating principles / characteristics
AMG044 Recall geometry
Recall ground operations - start / move / service / secure aircraft
Recall helicopter engine control system
Recall helicopter flight controls
Recall information on an Airworthiness Directive
Recall instrument panel mounting
Recall maintenance error management
Recall maintenance publications - service / parts / repair
Recall maintenance resource management
Recall mathematics - percentages / decimals / fractions / ratio / general
Recall penalties - falsification / cheating
Recall physics - work forces
Recall pitch control - collective / cyclic
Recall precision measuring tools - meters / gauges / scales / calipers
Recall reciprocating engine - components / operating principles / characteristics
Recall regulations - aircraft inspection / records / expiration
Recall regulations - aircraft operator certificate
Recall regulations - aircraft registration / marks
Recall regulations - Airworthiness Directives
Recall regulations - airworthiness requirements / responsibilities
Recall regulations - certificate of maintenance review requirements
Recall regulations - Certificate of Release
Recall regulations - certification of aircraft and components
Recall regulations - change of address
Recall regulations - check periods
Recall regulations - determine mass and balance
Recall regulations - display / inspection of licences and certificates
Recall regulations - emergency equipment
Recall regulations - flight / operating manual marking / placard
Recall regulations - housing and facility requirements
Recall regulations - instrument / equipment requirements
Recall regulations - maintenance control / procedure manual
Recall regulations - maintenance reports / records / entries
Recall regulations - maintenance requirements
Recall regulations - minimum equipment list
Recall regulations - minor / major repairs
Recall regulations - persons authorized for return to service
Recall regulations - persons authorized to perform maintenance
Recall regulations - privileges / limitations of maintenance certificates / licences
Recall regulations - privileges of approved maintenance organizations
Recall regulations - reappllication after revocation / suspension
Recall regulations - reporting failures / malfunctions / defects
Recall regulations - return to service
Recall regulations - special airworthiness certificates / requirements
Recall regulations - special flight permit
Recall repair fundamentals - turnbuckles
Recall rotor system - components / operating principles / characteristics
Recall rotorcraft vibration - characteristics / sources
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LEARNING STATEMENT CODES and LEARNING STATEMENTS for Aviation Mechanic - Airframe Exam

AMA001  Recall aerodynamic fundamentals
AMA002  Recall air conditioning system - components / operating principles / characteristics
AMA003  Recall aircraft component markings
AMA004  Recall aircraft components material - flame resistant
AMA005  Recall aircraft cooling system - charging / leaking / oil / pressure / water
AMA006  Recall aircraft cooling system - components / operating principles / characteristics
AMA007  Recall aircraft corrosion - principles / control / prevention
AMA008  Recall aircraft engines - indicating system
AMA009  Recall aircraft exterior lighting - systems / components
AMA010  Recall aircraft flight indicator system
AMA011  Recall aircraft hardware - bolts / nuts / fasteners / fittings / valves
AMA012  Recall aircraft heating system - exhaust jacket inspection
AMA013  Recall aircraft instruments - install / inspect / adjust / repair / markings
AMA014  Recall aircraft instruments - types / components / operating principles / characteristics
AMA015  Recall aircraft lighting - install / inspect / repair / service
AMA016  Recall aircraft metals - inspect / test / repair / identify
AMA017  Recall aircraft metals - types / tools / fasteners
AMA018  Recall aircraft warning systems - navigation / stall / takeoff
AMA019  Recall airframe - inspections
AMA020  Recall airframe - repair / component installation
AMA021  Recall airframe design - structures / components
AMA022  Recall alternators - components / operating principles / characteristics
AMA023  Recall antenna system - install / inspect / repair / service
AMA024  Recall anti-icing / deicing - methods / systems
AMA025  Recall autopilot - components / operating principles / characteristics
AMA026  Recall autopilot - install / inspect / repair / service
AMA027  Recall avionics - components / operating principles / characteristics
AMA028  Recall avionics - install / inspect / repair / service
AMA029  Recall basic hand tools / torque values
AMA030  Recall batteries - capacity / charging / types / storage / rating / precautions
AMA031  Recall brake system - components / operating principles / characteristics
AMA032  Recall brake system - install / inspect / repair / service
AMA033  Recall carburetor - icing / anti-icing
AMA034  Recall chemical rain repellant
AMA035  Recall combustion heaters - components / operating principles / characteristics
AMA036  Recall compass - components / operating principles / characteristics
AMA037  Recall composite materials - types / repairs / techniques / processes
AMA038  Recall control cables - install / inspect / repair / service
AMA039  Recall DC electric motors - components / operating principles / characteristics
AMA040  Recall dope and fabric - materials / techniques / hazards
AMA041  Recall electrical system - components / operating principles / characteristics / symbols
AMA042  Recall electrical system - install / inspect / repair / service
AMA043  Recall electronic test equipment
<p>| AMA090 | Recall regulations - privileges / limitations of maintenance certificates / licences |
| AMA091 | Recall rotor system - components / operating principles / characteristics |
| AMA092 | Recall secondary flight control system - inspect / adjust / repair |
| AMA093 | Recall secondary flight control system - types / purpose / functionality |
| AMA094 | Recall sheet metal fabrication - blueprints / shaping / construction |
| AMA095 | Recall smoke detection systems - types / components / operating principles / characteristics |
| AMA096 | Recall static pressure system - install / inspect / repair / service |
| AMA097 | Recall tires - install / inspect / repair / service / storage |
| AMA098 | Recall turbine engines - components / operational characteristics / associated instruments |
| AMA099 | Recall type certificate data sheet (TCDS) / supplemental type certificate (STC) |
| AMA100 | Recall weight and balance - equipment installation / CG / general principles |
| AMA101 | Recall welding / soldering - types / techniques / equipment |
| AMA102 | Recall wooden components - failures / decay / patching / gluing / substitutions |</p>
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<td>AMP002</td>
<td>Recall aircraft batteries - capacity / charging / types / storage / rating / precautions</td>
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<td>AMP003</td>
<td>Recall aircraft carburetor - icing / anti-icing</td>
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<td>AMP004</td>
<td>Recall aircraft component markings</td>
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<td>AMP005</td>
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<td>AMP006</td>
<td>Recall aircraft electrical system - install / inspect / repair / service</td>
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<td>AMP007</td>
<td>Recall aircraft engine - inspections / cleaning</td>
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<td>AMP008</td>
<td>Recall aircraft engines - components / operating principles / characteristics</td>
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<td>AMP009</td>
<td>Recall aircraft engines - indicating system</td>
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<td>AMP010</td>
<td>Recall aircraft fire classifications</td>
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<td>AMP012</td>
<td>Recall aircraft instruments - types / components / operating principles / characteristics / markings</td>
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<td>AMP014</td>
<td>Recall airframe - inspections</td>
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<td>AMP017</td>
<td>Recall Auxiliary Power Units - components / operating principles / characteristics</td>
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<td>AMP018</td>
<td>Recall Auxiliary Power Units - install / inspect / repair / service</td>
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<td>AMP019</td>
<td>Recall axial flow compressor - components / operating principles / characteristics</td>
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<td>AMP020</td>
<td>Recall basic physics - matter / energy / gas</td>
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<td>AMP021</td>
<td>Recall carburetor - effects of carburetor heat / heat control</td>
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<td>AMP022</td>
<td>Recall carburetors - components / operating principles / characteristics</td>
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<td>AMP023</td>
<td>Recall carburetors - install / inspect / repair / service</td>
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<td>AMP024</td>
<td>Recall data - approved</td>
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<td>Recall electrical system - components / operating principles / characteristics</td>
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<td>AMP027</td>
<td>Recall engine cooling system - components / operating principles / characteristics</td>
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<td>AMP028</td>
<td>Recall engine cooling system - install / inspect / repair / service</td>
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<td>Recall engine lubricating oils - function / grades / viscosity / types</td>
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<td>Recall engine lubricating system - components / operating principles / characteristics</td>
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<td>Recall engine lubricating system - install / inspect / repair / service</td>
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<td>Recall fire detection system - types / components / operating principles / characteristics</td>
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<td>AMP035</td>
<td>Recall fire detection systems - install / inspect / repair / service</td>
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<td>Recall fire extinguishing systems - components / operating principles / characteristics</td>
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<td>Recall float type carburetor - components / operating principles / characteristics</td>
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<td>AMP038</td>
<td>Recall float type carburetor - install / inspect / repair / service</td>
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<td>AMP039</td>
<td>Recall fuel - types / characteristics / contamination / fueling / defueling / dumping</td>
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<td>Recall fuel / oil - anti-icing / deicing</td>
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AMP041 Recall fuel system - components / operating principles / characteristics
AMP042 Recall fuel system - install / troubleshoot / service / repair
AMP043 Recall fuel system - types
AMP044 Recall generator system - components / operating principles / characteristics
AMP045 Recall information on an Airworthiness Directive
AMP046 Recall magneto - components / operating principles / characteristics
AMP047 Recall magneto - install / inspect / repair / service
AMP048 Recall maintenance publications - service / parts / repair
AMP049 Recall piston assembly - components / operating principles / characteristics
AMP050 Recall powerplant design - structures / components
AMP051 Recall pressure type carburetor - components / operating principles / characteristics
AMP052 Recall propeller system - install / inspect / repair / service
AMP053 Recall propeller system - types / components / operating principles / characteristics
AMP054 Recall radial engine - components / operating principles / characteristics
AMP055 Recall radial engine - install / inspect / repair / service
AMP056 Recall reciprocating engine - components / operating principles / characteristics
AMP057 Recall reciprocating engine - install / inspect / repair / service
AMP058 Recall regulations - maintenance reports / records / entries
AMP059 Recall regulations - privileges / limitations of maintenance certificates / licences
AMP060 Recall regulations - privileges of approved maintenance organizations
AMP061 Recall rotor system - components / operating principles / characteristics
AMP062 Recall sea level - standard temperature / pressure
AMP063 Recall starter / ignition system - components / operating principles / characteristics
AMP064 Recall starter / ignition system - install / inspect / repair / service
AMP065 Recall starter system - starting procedures
AMP066 Recall thermocouples - components / operating principles / characteristics
AMP067 Recall thermocouples - install / inspect / repair / service
AMP068 Recall turbine engines - components / operational characteristics / associated instruments
AMP069 Recall turbine engines - install / inspect / repair / service / hazards
AMP070 Recall turbocharger system - components / operating principles / characteristics
AMP071 Recall turbojet - components / operating principles / characteristics
AMP072 Recall type certificate data sheet (TCDS) / supplemental type certificate (STC)
AMP073 Recall welding types / techniques / equipment