

LIGHT SPORT AIRCRAFT - SETS OF AIRCRAFT

Airplane

87 KCAS VH or <				>87 KCAS			
Tricycle gear	Tailwheel	Float equipped	Ski equipped	Tricycle gear	Tailwheel	Float equipped	Ski equipped
4A11	4B11	4C21	4D11	4A12	4B12	4C22	4D12

Gyroplane

Tractor	Pusher, Fully enclosed, side-by-side seating	Pusher, Fully enclosed, single or tandem seating	Pusher, Not Fully enclosed, side-by-side seating	Pusher, Not Fully enclosed, single or tandem seating
5E	5F	5G	5H	5J

Powered Parachute

Square Wing		Elliptical Wing	
Land	Sea	Land	Sea
6K1	6K2	6L1	6L2

Weight-shift Controlled

Tricycle gear	Float equipped	Ski equipped
7A1	7C2	7D1

Glider

Non-powered	Self-launch
1M	1N

Light-than-air (Balloon)

Gas	With airborne heater
2P	2R

Light-than-air (Airship)

Gas	With airborne heater
3P	3R

Last Revised on 01/06/2005 by AFS-620

**FAA LIGHT SPORT AIRCRAFT
SETS OF AIRCRAFT CODING MATRIX**

		TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT	TYPE AIRCRAFT
		1 = Glider	2 = Lighter- Than - Air (Balloon)	3 = Lighter- Than - Air (Airship)	4 = Airplane	5 = Rotorcraft (Gyroplane)	6 = Powered- Parachute	7 = Weight- Shift-Control
AIRCRAFT SUB-CAT	A = Tricycle Gear				4A11 4A12			7A1
AIRCRAFT SUB-CAT	B = Tail Wheel				4B11 4B12			
AIRCRAFT SUB-CAT	C = Float Equipped				4C21 4C22			7C2
AIRCRAFT SUB-CAT	D = Ski Equipped				4D11 4D12			7D1
AIRCRAFT SUB-CAT	E = Tractor					5E		
AIRCRAFT SUB-CAT	F = Pusher, Fully Enclosed, SBSS					5F		
AIRCRAFT SUB-CAT	G = Pusher, Fully Enclosed, SOTS					5G		
AIRCRAFT SUB-CAT	H = Pusher, Not Fully Enclosed, SBSS					5H		
AIRCRAFT SUB-CAT	J = Pusher, Not Fully Enclosed, SOTS					5J		
AIRCRAFT SUB-CAT	K = Square Wing						6K1 6K2	
AIRCRAFT SUB-CAT	L = Elliptical Wing						6L1 6L2	
AIRCRAFT SUB-CAT	M = Non-powered	1M						
AIRCRAFT SUB-CAT	N = Self-Launch	1N						
AIRCRAFT SUB-CAT	P= Gas		2P	3P				
AIRCRAFT SUB-CAT	R= With Airborne Heater		2R	3R				

NOTE: THE ABOVE SET OF AIRCRAFT CODES ARE LISTED IN THE FOLLOWING SEQUENTIAL ORDER:

1. Type Aircraft
2. Aircraft Sub-Category
3. Aircraft Classification
4. Aircraft Speed Limitation

FAA LIGHT SPORT AIRCRAFT
SETS OF AIRCRAFT CODES

<u>GLIDERS</u>	Example: >>> Glider, = 1M
<u>Type Aircraft</u>	
1 = Glider	<i>Example: >>> 1 = Glider</i>
<u>Aircraft Sub-Category</u>	
M = Non-powered N = Self-launch	<i>Example: >>> M = Non-powered</i>

<u>LIGHTER THAN AIR (BALLOON)</u>	Example: >>> Balloon, = 2P
<u>Type Aircraft</u>	
2 = Lighter Than Air (Balloon)	<i>Example: >>> 2 = Balloon</i>
<u>Aircraft Sub-Category</u>	
P = Gas R = With Airborne Heater	<i>Example: >>> P = Gas</i>

<u>LIGHTER THAN AIR (AIRSHIP)</u>	Example: >>> Airship, = 3P
<u>Type Aircraft</u>	
3 = Lighter Than Air (Airship)	<i>Example: >>> 3 = Airship</i>
<u>Aircraft Sub-Category</u>	
P = Gas R = With Airborne Heater	<i>Example: >>> P = Gas</i>

<u>AIRPLANE</u>	Example: >>> Airplane, = 4A12
<u>Type Aircraft</u>	
4 = Airplane	<i>Example: >>> 4 = Airplane</i>
<u>Aircraft Sub-Category</u>	
A = Tricycle Gear B = Tail wheel C = Float Equipped D = Ski Equipped	<i>Example: >>> A = Tricycle Gear</i>
<u>Aircraft Class</u>	
1 = Land 2 = Sea	<i>Example: >>> 1 = Land</i>
<u>Aircraft Speed Limitation</u>	
1 = VH < or = 87 KCAS 2 = VH > 87 KCAS [VH = Maximum level-flight speed with continuous power]	<i>Example: >>> 2 = VH > 87 KCAS</i> [KCAS = Knots Calibrated Air Speed]

<u>ROTORCRAFT / GYROPLANE</u>	Example: >>> Gyroplane, = 5E
<u>Type Aircraft</u>	
5 = Rotorcraft /Gyroplane	<i>Example: >>> 5 = Gyroplane</i>
<u>Aircraft Sub-Category</u>	
E = Tractor F = Pusher, Fully Enclosed, Side-By-Side Seating (SBSS) G = Pusher, Fully Enclosed, Single-Or-Tandem-Seating (SOTS) H = Pusher, Not Fully Enclosed, Side-By-Side Seating (SBSS) J = Pusher, Not Fully Enclosed, Single-Or-Tandem-Seating (SOTS)	<i>Example: >>> E = Tractor</i>

<u>POWERED PARACHUTE</u>	Example: >>> Powered Parachute, = 6K1
<u>Type Aircraft</u>	
6 = Powered-Parachute	<i>Example: >>> 6 = Powered-Parachute</i>
<u>Aircraft Sub-Category</u>	
K = Square Wing L = Elliptical Wing	<i>Example: >>> K = Square Wing</i>
<u>Class</u>	
1 = Land 2 = Sea	<i>Example: >>> 1 = Land</i>

<u>WEIGHT-SHIFT CONTROL</u>	Example: > Weight-Shift Control, = 7A1
<u>Type Aircraft</u>	
7 = Weight-Shift Control	<i>Example: >>> 7 = Weight-Shift Control</i>
<u>Aircraft Sub-Category</u>	
A = Tricycle Gear C = Float Equipped D = Ski Equipped	<i>Example: >>> A = Tricycle Gear</i>
<u>Aircraft Class</u>	
1 = Land 2 = Sea	<i>Example: >>> 1 = Land</i>

FAA DESIGN CHARACTERISTIC CODES
FOR LIGHT SPORT AIRCRAFT
AND EXPERIMENTAL AIRCRAFT

AIRCRAFT DESIGN CODES		Example: >>> Cessna, 150A = 41H71NT
Type Aircraft		
1 = Glider	4 = Airplane	7 = Weight-Shift Control
2 = Lighter Than Air (Balloon)	5 = Rotorcraft /Gyroplane	
3 = Lighter Than Air (Airship)	6 = Powered-Parachute	<i>Example: >>> 4 = Airplane</i>
Aircraft Weight Class		
1 = Under 12,501 lbs	3 = Under 1,321 lbs	<i>Example: >>> 1 = Under 12,500 lbs</i>
2 = Over 12,500 lbs		
Aircraft Wing Design		
B = Lighter Than Air - Balloon/Blimp/Dirigible	K = Kite/Sail wing	P = Parachute - Low Performance
D = Delta Wing/Swing Wing	E = Rotary Wing - Semi Rigid	R = Parachute - High Performance
F = Flexible or Semi Rigid	C = Rotary Wing - Rigid	Q = Multi-Wing - Biplane/Triplane/Etc.
H = Monoplane - High Wing/Parasol Wing	L = Monoplane - Low wing	X = Other
G = Rotary Wing - Fully Articulated	M = Monoplane - Mid Wing	<i>Example: >>> H = Monoplane - High Wing</i>
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7 = Powered	8 = Optional	0 = Non-Powered
<i>Example: >>> 7 = Powered</i>		
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* = Number of Engines		<i>Example: >>> 1 = Number of engines</i>
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Type Landing Gear		
NT = Non-Retractable Tricycle-Gear	RT = Retractable Tricycle-Gear	SK = Ski Installation
NC = Non-Retractable Conventional	RP = Repositionable	X = Other
RC = Retractable Conventional	FL = Float Installation	<i>Example: >>> NT = Non-Retract Tri Gear</i>

ENGINE DESIGN CODES		Example: >>> Continental, O-200-A = 30
Engine Power Class		
3 = Under 750 HP	4 = 750 HP and Over	<i>Example: >>> 3 = Under 750 HP</i>
Type Engine		
A = Diesel - Vee (Compression Ignition)	R = Reciprocating - Radial	W = Rotary
B = Diesel - Inline	F = Turbofan/Turbojet Bypass	X = Other
C = Diesel - Opposed	J = Turbojet	Y = Rocket
V = Reciprocating - Vee	T = Turboprop	Z = Pure Jet (Pulse/Ram)
I = Reciprocating - Inline	U = Turboshaft	
Q = Reciprocating - Opposed		<i>Example: >>> Q = Reciprocating -</i>
Opposed		

PROPELLER DESIGN CODES		Example: >>> McCauley, 1A100MCM = 5N
Propeller Power Class		
5 = Under 750 HP	6 = 750 HP and Over	<i>Example: >>> 5 = Under 750 hp (SHP)</i>
Type Propeller		
C = Controllable Pitch	N = Non-Controllable (Fixed/Grd Adj.)	X = Other
<i>Example: >>> N = Non-controllable</i>		