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 1 = Glider	TYPE AIRCRAFT 2 = Lighter-Than - Air (Balloon)	TYPE AIRCRAFT 3 = Lighter-Than - Air (Airship)	TYPE AIRCRAFT 4 = Airplane	TYPE AIRCRAFT 5 = Rotorcraft (Gyroplane)	TYPE AIRCRAFT 6 = Powered-Parachute	TYPE AIRCRAFT 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

GLIDERS   **Example: >>> Glider, = 1M**

Type Aircraft

1 = Glider   *Example: >>> 1 = Glider*

Aircraft Sub-Category

M = Non-powered   N = Self-launch   *Example: >>> M = Non-powered*

LIGHTER THAN AIR (BALLOON)   **Example: >>> Balloon, = 2P**

Type Aircraft

2 = Lighter Than Air (Balloon)   *Example: >>> 2 = Balloon*

Aircraft Sub-Category

P = Gas   R = With Airborne Heater   *Example: >>> P = Gas*

LIGHTER THAN AIR (AIRSHIP)   **Example: >>> Airship, = 3P**

Type Aircraft

3 = Lighter Than Air (Airship)   *Example: >>> 3 = Airship*

Aircraft Sub-Category

P = Gas   R = With Airborne Heater   *Example: >>> P = Gas*

AIRPLANE   **Example: >>> Airplane, = 4A12**

Type Aircraft

4 = Airplane   *Example: >>> 4 = Airplane*

Aircraft Sub-Category

A = Tricycle Gear   B = Tail wheel

C = Float Equipped   D = Ski Equipped   *Example: >>> A = Tricycle Gear*

Aircraft Class

1 = Land   2 = Sea   *Example: >>> 1 = Land*

Aircraft Speed Limitation

1 = VH < or = 87 KCAS   2 = VH > 87 KCAS   *Example: >>> 2 = VH > 87 KCAS*

[VH = Maximum level-flight speed with continuous power]   [KCAS = Knots Calibrated Air Speed]

ROTORCRAFT / GYROPLANE   **Example: >>> Gyroplane, = 5E**

Type Aircraft

5 = Rotorcraft /Gyroplane   *Example: >>> 5 = Gyroplane*

Aircraft Sub-Category

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)   *Example: >>> E = Tractor*

POWERED PARACHUTE   **Example: >>> Powered Parachute , = 6K1**

Type Aircraft

6 = Powered-Parachute   *Example: >>> 6 = Powered-Parachute*

Aircraft Sub-Category

K = Square Wing   L = Elliptical Wing   *Example: >>> K = Square Wing*

Class

1 = Land   2 = Sea   *Example: >>> 1 = Land*

WEIGHT-SHIFT CONTROL   **Example: > Weight-Shift Control, = 7A1**

Type Aircraft

7 = Weight-Shift Control   *Example: >>> 7 = Weight-Shift Control*

Aircraft Sub-Category

A = Tricycle Gear   C = Float Equipped   D = Ski Equipped   *Example: >>> A = Tricycle Gear*

Aircraft Class

1 = Land   2 = Sea   *Example: >>> 1 = Land*

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	*Example:* >>> **4** = Airplane

Aircraft Weight Class

1 = Under 12,501 lbs	3 = Under 1,321 lbs	*Example:* >>> **1** = Under 12,500 lbs
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	*Example:* >>> **H** = Monoplane – High Wing

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7 = Powered	8 = Optional	0 = Non-Powered	*Example:* >>> **7** = Powered

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* = Number of Engines	*Example:* >>> **1** = Number of engines

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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	*Example:* >>> **NT** = Non-Retract Tri Gear

ENGINE DESIGN CODES   Example: >>> Continental, O-200-A = 3O

Engine Power Class

3 = Under 750 HP	4 = 750 HP and Over	*Example:* >>> **3** = Under 750 HP

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	
O = Reciprocating - Opposed		*Example:* >>> **O** = Reciprocating – Opposed

PROPELLER DESIGN CODES   Example: >>> McCauley, 1A100MCM = 5N

Propeller Power Class

5 = Under 750 HP	6 = 750 HP and Over	*Example:* >>> **5** = Under 750 hp (SHP)

Type Propeller

C = Controllable Pitch N = Non-Controllable (Fixed/Grd Adj.)	X = Other	*Example:* >>> **N** = Non-controllable