

CIVIL AERONAUTICS AUTHORITY
SIXTH REGION
Santa Monica, California.

March 15, 1940.

Civil Aeronautics Authority
Washington, D. C.

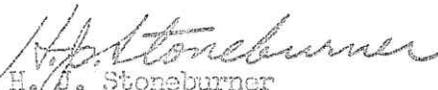
Attention: Aircraft Airworthiness Section

Subject: Proposed Changes to Aircraft Specification No. 659
(Harlow Model PJC-1)

Please change pertinent parts of Aircraft Specification No. 659 to
be as follows:

Manufacturer: Harlow Aircraft Company
Alhambra Airport
Alhambra, California.

Specification Basis: Type Certificate No. 659.


H. J. Stoneburner
Chief, West Coast Branch
Aircraft Airworthiness Section

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CIVIL AERONAUTICS AUTHORITY
SOUTH REGION
1508 Fourth Street
Santa Monica, California.

March 31, 1959.

Civil Aeronautics Authority
Washington, D. C.

Attention: Aircraft Airworthiness Section

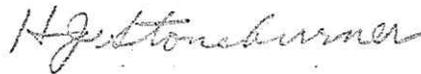
Subject: Proposed Revision to Aircraft
Specification No. 659 (Harlow
PJC-1) in accordance with your
memorandum of March 10.

Please change the subject specification to be
as follows:

Placard Speeds - Never exceed

- | | | |
|-----|--------------------------|---------|
| (a) | In level flight or climb | 168 mph |
| (b) | In glide or dive | 202 mph |
| (c) | With flaps extended | 90 mph |

For the Regional Supervisor:



H. J. Stoneburner
Chief, West Coast Branch
Aircraft Airworthiness Section

SY/bc

No. W-1

See A-1020

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
WASHINGTON

A-1106
HARLOW
PJC-1
PJC-2

December 12, 1940

AIRCRAFT SPECIFICATION NO. 659

An aircraft conforming with authenticated data on file with the Civil Aeronautics Administration will be issued an airworthiness certificate upon showing compliance with the terms of this specification. Such certificate shall incorporate the operation restrictions listed hereon.

Manufacturer	Harlow Aircraft Company Alhambra Airport Alhambra, California
Model	PJC-1 (See NOTE 3) PJC-2 Designation 2 PCLM
Engine	Warner Super Scarab Series 50 or 50A
Placard limits	Maximum, except take-off -- in. Hg., 2050 rpm (145 hp) Take-off (one minute) -- in. Hg., 2050 rpm (145 hp)
Propeller	Diameter 81 in. to 84 in., pitch 18.6° at 36 in. station
Placard speeds	Level flight or climb 163 mph Ind. Glide or dive 195 mph Ind. Flaps extended 105 mph Ind.
Fuel capacity	34 gals. (One tank center section of wing)(+50)
Oil capacity	4 gals. (-6.5)
No. passengers	1 (+46)
Baggage	80 lbs. (Aft of pilot's seat) (+77) (See item 301)
Standard weight	2486 lbs.
C.G. limits	(+46.8) (18% MAC) and (+49.2) (21.5% MAC) MAC 67.8 long. L.E. at (+34.6). Leveling means: Raise tail until front wing shear beam is vertical.
Specification basis	Type Certificate No. 659
Serial numbers	2 and up eligible (See NOTE A)

EQUIPMENT: (Values in inches shown in parenthesis after each item represent horizontal arms to C.G. of the item measured (minus) ahead and (plus) to the rear of firewall)(* Means net increase)

Class I. Required equipment which must be installed unless replaced by either Class II or III equivalent items (such items then to be marked "required" on the airworthiness certificate) subject to inspection and C.G. check.

101. Propeller - fixed metal (Curtiss 55518-1)	47 lbs.	(-31.5)
102. Collector ring - Solar 12-413	14 lbs.	(-16)
103. Generator (Eclipse Type 309) and control box	24 lbs.	(-10)
104. Battery (Reading R-33L)	27 lbs.	(-3)
105. 21 in. streamline wheels (Air Assoc. 220-C) with brakes and 6 ply tires	51 lbs.	(+29)
106. 8 in. streamline steerable tail wheel and tire	7 lbs.	(+216)
107. Two main landing gear shock struts A.P.P.I. 50925	46 lbs.	(+33)
108. Tail wheel shock strut (Harlow 660)	12 lbs.	(+212)
109. Carburetor air heater	5 lbs.	(-15)

Class II. Optional equipment which may be installed or removed, subject to inspection and check of C.G. limits.

- 200. Miscellaneous items as noted in approved weight and balance report.
- 201. Cabin heater (Dwg. No. 1064)
- 202. Landing lights (S & M 2001) 4 lbs. (+38)
- 203. Starter (Eclipse Y-150) 16 lbs. (-4)
- 204. Battery box (Dwg. No. 1210) 4 lbs. (-3)

Class III. Optional equipment which may be installed or removed, subject to inspection only, except when the airplane is already equipped with any Class II item, in which case a C.G. check must be made for the effect on C.G. limits of the Class III item installation. (Note that when any Class II item is installed, all Class III items are in effect Class II items.)

- 301. Baggage compartment (130 lbs. capacity replacing std. compartment.) (Dwg. 1096) (+71)

NOTE A. Each aircraft certificated must satisfactorily pass:

- (a) An inspection for workmanship, materials and conformity before final assembly.
- (b) A final inspection of the completed aircraft.
- (c) A check of flight characteristics.

NOTE 1. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook: (December 12, 1940)

- (a) Canada - Landplane
Skiplane - not eligible.
- (b) All other countries except Great Britain and Australia.

NOTE 2. The following placard must be conspicuously posted in full view of the pilot: "Intentional spins prohibited with flaps and/or gear extended."

NOTE 3. Approval of model PJC-1 expired July 26, 1940. No aircraft of this model in existence.

SEE ALSO PERTINENT "AIRWORTHINESS MAINTENANCE INSPECTION NOTES."


J. T. Gray, Chief
Aircraft Airworthiness Section

BFM:EWN:JS

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