

Department of Transportation — Federal Aviation Administration
Supplemental Type Certificate

Number

SA00061LA

This certificate issued to

J.P. INSTRUMENTS
 9621 Bay Meadow Drive
 Huntington Beach, California 92646

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 21 of the Federal Aviation Regulations. * See Applicable Type Certificate Data Sheet (T.C.D.S.) for certification basis

Original Product — Type Certificate Number:

Make:

Model:

- * * See Attached FAA Approved J.P. Instruments Master Eligibility List No. 410 for list of approved aircraft models and applicable T.C.D.S.

Description of Type Design Change:

Installation of JPI digital tachometer in accordance with FAA Approved J.P. Instruments Drawing List Report No. 400, Revision NC, dated March 20, 1995 or later FAA approved revision.

Limitations and Conditions:

This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effects upon the airworthiness of that airplane. The tachometer installed by the original aircraft manufacturer must remain installed and operable.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 10, 1993

Date issued:

Date of issuance: March 29, 1995

Date amended: January 12, 1996



By direction of the Administrator:

John E. Hartman
 (Signature)

Manager, Propulsion Branch
 Los Angeles Aircraft Certification Office

(Title)

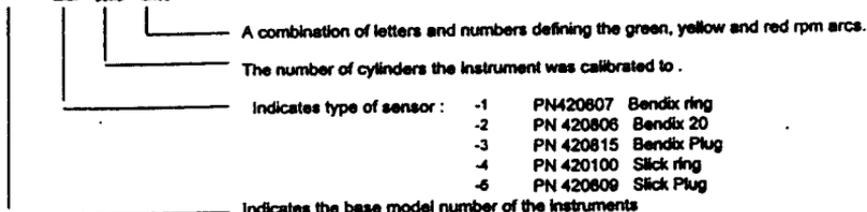
Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

MAKE _____ AIRCRAFT MODE _____ T.C.D.S P/N 400000 - XX - { () - () } *

Model designation system:

400000 - XX - { () - () }



Example: 400000-3-6-G800Y2100G2350R2700 , indicates a Bendix sensor on a 6 cylinder with the following ranges, green arc from 800 to 2090 rpm, yellow arc from 2100 to 2340 rpm, green arc from 2350 to 2690, red line 2700 rpm. All part numbers begin with 400000-(1-5). Basic Tachometer PN is 400000 and Sensor type of 1 through 5.

MAKE	AIRCRAFT MODEL	T.C.D.S	P/N 400000 - XX - { () - { } } *
Sial-Marchetti (Agusta)	S.205-18/F, .205-18/R S.205-20/F, S.205-20/R S.205-22/R S.208, S208A F.260, F.260B, F.260C	A9EU A10EU	4-G300R2000G2250R2700 4-G300R2100G2350R2700 6-G300R2800 6-G300R2100G2350R2700 6-G300R2700
S.O.C.A.T.A Aerospaziale	TB9	A51EU	4-G300R2700
S.O.C.A.T.A Aerospaziale	TB10	A51EU	4-G300R2700
S.O.C.A.T.A Aerospaziale	TB20 TB21	A51EU	6-G300R2570
S.O.C.A.T.A Aerospaziale	TB-200	A51EU	6-G300R2700
Swift	GC-1A	A-766	4-G300R2570
Swift	GC-1B	A-766	4-G300R2550
Thompson	Navion A, "(L-17A, L-17B, L-17C)" (E-185-3, 2300RL) Optional engines: (IO-470H, 2625RL) (O-470P, 2800RL) (IO-520, 2700RL)	A-782	6-G300R2300 6-G300R2620 6-G300R2600 6-G300R2700
Thompson	Navion B Optional engines: (IO-470-H, 2625RL) (IO-520, 2700RL)	A-782	6-G300Y3000R3400 6-G300R2620 6-G300R2700
Thompson	Navion D,E Optional engine (IO-520B, 2700RL)	A-782	6-G300R2600 6-G300R2700
Thompson	Navion F,G Optional engine (IO-520B, 2700RL)	A-782	6-G300R2620 6-G300R2700
Thompson	Navion H	A-782	6-G300R2700

FAA APPROVED

J.P.INSTRUMENTS

MASTER ELIGIBILITY LIST

NO. 410

INSTALLATION OF THE 400000 SERIES DIGITAL TACHOMETER
With Range Lights

STC NUMBER: SA00061LA

DATE: March 20, 1995

REVISION LOG
TO FAA APPROVED MASTER ELIGIBILITY LIST
REPORT 410

SHEET NO. 2

REVISION NO.	DATE APPROVED	REVISION DESCRIPTION
N/C A	3-20-95	INITIAL RELEASE; SHEETS 1 THRU 8 ADD RANGE LIGHTS SHEETS 3 THRU 13, Revised part number Identification (see sheet 13)

FAA APPROVED

MASTER ELIGIBILITY LIST J.P.INSTRUMENTS

REPORT 410
SHEET NO. 11

MAKE	AIRCRAFT MODEL	T.C.D.S P/N 400000 - XX - () - () *
Piper	PA-32RT-300	A3SO 6-G320Y2570R2700
Piper	PA-32R-301, PA-32-301 PA-32R-301T, -32-301T	A3SO 6-G320Y2600R2700 6-G320Y2570R2700
Piper Twin	PA-34-200, (LIO-360-C1E6, 2200-2400YEL-2700RL) Aircraft equipped with Hartzell propellers damper.	A7SO 4-G300R2200G2400R2700 4-G300R2200G2400R2700
Piper Twin	PA-34-200T	A7SO 6-G900R2000G2200R2570
Piper	PA-34-220T	A7SO 6-G350R2000G2200R2570
Piper	PA-36-285,(Cont 6-285-B, 4000RL, 2000 PROP) PA-36-300	A9SO 6-G300R4000 A10SO 6-G300R2700
Piper	PA-36-375	A9SO 8-G300R2500 A10SO
Piper	PA-38-112	A18SO 4-G300R2600
Piper Twin	PA-44-180, PA-44-180T	A19SO 4-G300R2700
Piper	PA-46-310P	A25SO 6-G300R2600
Piper	PA-46-350P	A25SO 6-G300R2500
Piper (Aerostar) Twin	PA-60-600 -60-601, -60-601P	A17WE 6-G300Y2520R2570 6-G300Y2470R2570
Pipe (Aerostar) Twin	PA-60-602P	A17WE 6-G300R2420
Piper Twin	PA-60-700P	A17WE 6-G300R2500
Republic	RC-3	A-769 6-G300R2500
Robinson Helicopter	R22, R22 ALPHA, R22 BETA, R22 MARINER	H10WE 4-G300R2650

* See Part Number Designation on Sheet 13

FAA APPROVED	MASTER ELIGIBILITY LIST J.P.INSTRUMENTS	REPORT 410 SHEET NO. 10
MAKE	AIRCRAFT MODE	T.C.D.S P/N 400000 - XX - [() - ()] *
Piper	PA-24	1A15 4-G300R2700
Piper	PA -24-250, Lycoming O-540-A1A, 2225-2275, 2575) PA-24-260 (Lycoming O-540-E4A5, 2700RL)	1A15 6-G300R2220G2280R2570 6-G300R2700
Piper	PA-24-400	1A15 8-G300R2650
Piper	PA-25	2A8 4-G300R2700 2A10
Piper	PA-25-235	2A8 6-G300R2570 2A10
Piper	PA-25-260	2A8 6-G300R2700 2A10
Piper	PA-28-140,-150,-151,-160,-161 PA-28-180, takeoff (A/C S/N 28-671 to 28-1760A), 2475-2700RL) PA-28S-180, PA-28S-160	2A13 4-G300R2700 4-G300Y2470R2700 4-G300R2700
	PA-28R-180 PA-28-181	4-G300R2000G2200R2700 4-G300R2700
Piper	PA-28R-200, PA-28R-201, (IO-360-C1C, Hartzell Constant Speed Model HC-CZYK-I 2100-2350, / With McCauley Constant Speed Model B2D34C213, 1500-1950YEL-2700RL)	2A13 6-G300Y2100G2350R2700 6-G300Y1500G1950R2700
Piper	PA-28R-201T, -28-201T, (Continental TSIO-360-F, 2000-2200YEL- 2575RL) PA-28RT-201T PA-28RT-201	2A13 6-G900R2000G220R2570 6-G900R2570 6-G900Y2650R2700
Piper	PA-28-235 PA-28-236	2A13 6-G300R2570 6-G900R2400
Piper Twin	PA-30 PA-39, PA-40	A1EA 4-G300R2700 4-G300R2700
Piper Twin	PA-31 PA-31-300, -31-325, 31-350	A20SO 6-G300R2570 6-G300R2570
Piper Twin	PA-31P 31P-350	A8EA 6-G300R3200 6-G300R2600
Piper	PA-32-260, PA-32-300, PA-32S-300, -32R-300	A3SO 6-G300R2700

* See Part Number Designation on Sheet 13

FAA APPROVED	MASTER ELIGIBILITY LIST J.P.INSTRUMENTS	REPORT 410 SHEET NO. 3
MAKE	AIRCRAFT MODE	T.C.D.S P/N 400000 - XX - [() - ()] *
Air Tractor,	AT-300 AT-301	A9SW 9-G300R2300 9-G300R2250
Avions Pierre Robin	R2160	A48EU 4-G300Y2600R2700
Ayres Corp.	600 S-2D, S-2R, S2R-R1340 S2R-R3S	A3SW 9-G300Y2200R2250 A4SW 9-G300Y2050R2200
Beech	23, A23-19, 19A), A23, A23A, B19, M19A A23-24, B23,C23	A1CE 4-G300R2700 4-G300R2700
	A23-24, A24, A24R C23 B24R,C24R	A1CE 4-G300R2000G2150R2700 4-G300R2150G2350R2700 4-G300R2100G2250R2700
Beech	35, A35 B35, 35R, C35, E35, F35, D35 G35	A-777 6-G300R2050R2300 6-G300R2050R2450 6-G300R2300R2600 6-G300R2300R2650
Beech	H35,J35,K35, M35, 35-A33 G33, N35, P35 35-33, 35-B33, 36-C33, E33, F33 S35, V35,V35A,V35B, 35-C33A, E33A, E33C, A36TC,B36TC F33A, F33C, 36, A36	3A15 6-G300R2600 6-G300R2620 6-G300R2800 6-G300R2700 6-G300Y2550R2700
Beech Twin	50 B50, C50 E50, F50, G50, H50, J50 D50, D50A,B, D50C,E, E-5990	5A4 6-G300Y3000R3400 6-G300Y3100R3400 6-G300Y3200R3400 6-G300Y3100R3400
Beech Twin	95, B95 B95A, D95A, E95 95-65, 95-A55, 95-B55, 95B55A 95-B55B	3A16 4-G300R2700 4-G300R2700 6-G300Y2550R2620 6-G300R2620
	95-C55, 95-C55A, 95-D55, 95-D55A,E55,E55A (IO-520C, Below TE1171-2700RL, After sn: TE1171 2550-2700) 95-58, 58A (IO-520C, sn: TH1095, 2700RL, sn: 1096 to TH1394, 2550-2700)	6-G300R2700 6-G300Y2550R2700 6-G300R2700 6-G300Y2550R2700

* See Part Number Designation on Sheet 13

MAKE	AIRCRAFT MODEL	T.C.D.S	P/N 400000 - XX - [() - ()] *
Beech Twin	56TC,A56TC	3A16	6-G300R2900
Beech Twin	58P,58PA,58TC,58TCA	A23CE	6-G300R2700
Beech Twin	60,A60,B60	A12CE	6-G300Y2750R2900
Beech Twin	65-80, 65-A80,65-A80-8800, 65-88,65-B80 65, A65,A65-8200,70	3A20	6-G30Y3200R3400 6-G30Y3200R3400
Beech Twin	76	A29CE	4-G300R2700
Beech	77	A30CE	4-G300R2700
Bellanca	14-13, 14-13-2,-3,-3W	A773	6-G300R2600
Bellanca	14-19 14-19-2 14-19-3	1A3	6-G300R2550 6-G300R2600 6-G300R2620
Bellanca	17-30	1A3	6-G300Y2700R2850
Bellanca	17-31	1A3	6-G300R2570
Bellanca	17-31TC	1A3	6-G300Y2400R2570
Bellanca	17-30A,17-31A (IO-540G1B5,-G1E5,-G1F5 2575RL) (IO-540K1B5,-K1E5,-K1A5 2700RL)	A18CE	6-G300R2570 6-G300R2700
Bellanca	17-31ATC, (IO-540G1B5,-G1E5,-G1F5 2575RL) (IO-540K1B5,-K1E5,-K1A5 2700RL)	A18CE	6-G300R2575 6-G300R2700
Boeing	(STEARMAN) A75L3,75,A75, B75, E75 A75L3000 IB75A, E75N1	A-743	9-G300R2100 9-G300Y2200R2300 9-G300Y1950R2300
Boeing	A75J1 A75N1, B75N1, D75N1	A-743	7-G300R2000 7-G300R2070
Cessna	120,140	A-768	4-G300R2570

MAKE	AIRCRAFT MODEL	T.C.D.S	P/N 400000 - XX - [() - ()] *
Maule	M-5-210C, M-5-220C	3A23	6-G300R2800
	M-5-210TC, (TO-360F1A8, 2575RL)		4-G300R2570
Maule	M-5-235C, (O-540JI, IO-540W, 2400RL) M-5-236C with (O-540B, 2575RL)	3A23	6-G300R2400 6-G300R2570
Maule	M-6-180	3A23	4-G300R2000G2250R2700
	M-6-235		6-G300R2400
Maule	M-7-235,A, B, MX-7-235, M-8235, (O-540JI,W, 2500RL)	3A23	6-G300R2500
	M-7-235,A, B, MX-7-235, M-8235, with (O-540B, 2575RL)		6-G300R2570
	MXT-7-235, (IO-540W1A5, 2400RL)		6-G300R2400
Mooney	M20 M20A,B,C,D,G (O-360 A1A, 2000-2250 , 2700RL)	2A3	4-G300R2000G2250R2700 4-G300R2000G2250R2700
Mooney	M20E,F (IO-360 A1A, 2000-2350 RED, 2700RL)	2A3	4-G300R2000G2350R2700
Mooney	M20J	2A3	4-G300Y1600G1950R2700
Mooney	M20K	2A3	6-G300R2700
Mooney	M20L, (Porsche PFM3200N03, 2343RL) M20M, (TSIO-540 AF1A, 2575RL)	2A3	6-G300R2340 6-G300R2570
Mooney	M20R	2A3	6-G300R2570
North American	AT-6 (SNJ-2),-6A,B,C,D,E,F, (SNJ-3,4,5,6,7) (P&W R-1340-47, 2200-2250RL) NOMAD NA-260 (USAF-28A) (Wright R1820-56S,2500-2600)	A-2-575 1A18	9-G300Y2200R2250 9-G300Y2500R2600
Partenavia Costruzioni Aeronautiche Twin	P68, P68B ,P68C P68C-TC, P68TC,(TIO 360-C I A6D, 2575RL)	A31EU	4-G300R2700 4-G300R2570
Piper	PA-20,-20S PA-20S "115" PA-20 "135", PA-20S "135" PA- 20-"115", (Ly O-235C1,2600-2800RL)	1A4	4-G300R2600 4-G300Y2600Y2800
Piper	PA-22,-22-108, PA-22-135, -22S,-135 PA-22S-150, -22-160, -22S-160 (O-320-B2AB, 2700RL)	1A6	4-G30R260 4-G300R2700
Piper Twin	PA-23,-23-160	1A10	4-G300R2700
Piper Twin	PA-23-235 PA-E23-250, PA-23-250	1A10	6-G300R2570 6-G300R2570

* See Part Number Designation on Sheet 13

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