

UNAPPROVED PARTS NOTIFICATION



U.S. Department
of Transportation
**Federal Aviation
Administration**

SUSPECTED UNAPPROVED PARTS PROGRAM OFFICE, AVR-20
45005 AVIATION DRIVE, SUITE 214
DULLES, VA 20166-7541

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AFFECTED PARTS

Aircraft parts that were repaired, overhauled, or inspected and approved for return to service by Marchini Instruments Corporation between February 12, 1997, and October 31, 2000.

PURPOSE

The purpose of this notification is to advise all aircraft owners, operators, manufacturers, maintenance organizations, and parts distributors regarding maintenance performed by Marchini Instruments Corporation, a former Federal Aviation Administration (FAA)-certificated repair station, located at 7352 NW 34th Street, Miami, FL 33122.

BACKGROUND

Information received during a FAA suspected unapproved parts (SUP) investigation revealed that Marchini Instruments Corporation performed work for which it was not rated. Marchini Instruments Corporation previously held an Air Agency Certificate (no. MH4R362M) with a limited instrument rating, issued July 5, 1991, and a limited accessory rating, issued February 25, 1993. Marchini Instruments Corporation's certificate limited its performance to the maintenance and alteration of components identified in their FAA-approved control documents, i.e., capability list (instruments), rev. 2, dated February 10, 1997, and capability list (accessories), rev. 2, dated January 28, 1997.

Evidence indicates that Marchini Instruments Corporation performed maintenance on, and approved for return to service, various parts not listed on the current capability lists. Marchini Instruments Corporation attempted to notify its customers through recall letters; however, some of the companies notified are no longer in business.

Attached to this notification is a *partial list* of parts that may have been improperly returned to service by Marchini Instruments Corporation.

RECOMMENDATION

Regulations require that type-certificated products conform to their type design and be properly maintained using current data, required equipment, and appropriately trained personnel. Aircraft owners, operators, manufacturers, maintenance organizations, and parts distributors should inspect their aircraft and/or parts inventory for any parts approved for return to service by Marchini Instruments Corporation during the time frame specified above. Appropriate action should be taken if any of these parts have been installed on an aircraft. If any existing inventory includes these parts, the FAA recommends that you quarantine the parts to prevent installation on an aircraft until a determination can be made regarding each part's eligibility for installation.

FURTHER INFORMATION

Further information may be obtained from the FAA Flight Standards District Office (FSDO) shown below. The FAA would appreciate any information regarding the discovery of the above-referenced parts from any source and the action taken to remove them from inventory or service.

This notice originated from the Miami FSDO, 8600 NW 36th Street, Room 201, Miami, FL 33166, telephone (305) 716-3400, ext. 202, fax (305) 716-3456; and was published through the FAA SUP Program Office, AVR-20, telephone (703) 661-0580, fax (703) 661-0113.

Refer to the *partial list* of parts (below) that may have been improperly approved for return to service by Marchini Instruments Corporation.

PARTIAL LIST OF PARTS

Part Name	Part Number	Serial Number
Outflow Valve Control	102088-416-2	114-146
Outflow Valve Control	102088-416-2	67-592AA146CP
Outflow Valve Control	102088-416-2	94-845
Outflow Valve Control	102384-2	27-235
Outflow Valve Control	102384-2	68-370
Temp Indicator	110077	AC43-214041
Tach Generator	1118GD-0120304	4570
Ignition Analyzer	11-3398-2	8787
Carb Air Temp Indicator	132875	AF512679
Carb Air Temp Indicator	135875	512624
Carb Air Temp Indicator	135875	757AF13643
Airspeed Indicator	1402-1B-1C	18868
Airspeed Indicator	1402-47F-C17	TTAC-126
Airspeed Indicator	1402-49D-B-17	4085
Airspeed Indicator	1426-46F-B17	2145P
Airspeed Indicator	1426-47j-B-17	1988
Airspeed Indicator	1426-49D-B17	A1710
Gyro Horizon Indicator	14602-1J-D1	AF-52-1274P
Gyro Horizon Indicator	14602-1J-D1	AF52-18169
Gyro Horizon Indicator	14602-1J-D1	AF-52-4513
Gyro Horizon Indicator	14602-1J-D1	AF525031P
Gyro Horizon Indicator	14602-1J-D1	AF53-21829
Gyro Horizon Indicator	14602-1J-F1	AF57-45060
Gyro Horizon Indicator	14609-1S-C1	5862
Cylinder Head Temp Indicator	149B6	1613
Cylinder Head Temp Indicator	149B6	823
Cylinder Head Temp Indicator	149B6	AF51-597
Timer	1600	92
Rate of Climb Indicator	1634-1AE-B1	9569
Rate of Climb Indicator	1634-1AE-C1-1	5655
Oil Temp Indicator	173966	3C24264
Fuel Press Indicator	18-1101	4977
BMEP Indicator	20000-94B-19-A2	2746
BMEP Indicator	20003-94B-19-A21	12098
BMEP Indicator	20003-94B-19-A21	1834-AB
Flap Position Indicator	21000-5AD-20-A1	12935-AB
Fuel Flow Indicator	21100-30A-127-A2	1240-AB
Tach Generator	22A67	18551

Flap Position Indicator	23203-2-A1	5539
Flap Position Indicator	23203-2-A1	SAS44
Fuel Flow Indicator	24100-30A-4-A2	3332
Pressure Indicator	24100-45K-21-A1	568
Oil Pressure Indicator	24100-4K-21-A1	7615-AB
Flap Position Indicator	24200-7B-126-A1	2364
Oil Press Indicator	25100-A2C-1-B1	AF52-65335-EO
Hydraulic Pressure Transmitter	3 1/2 AD4201	*3-8251
Hydraulic Pressure Transmitter	3 1/2 AD4201	CAP-2-23Z-50
Hydraulic Pressure Transmitter	3 1/2 AD4201	MIC-27
Smoke Detector	30-231-1	18683
Smoke Detector	30-231-1	27388
Manifold Pressure Indicator	3140-1A-550	1211
Manifold Pressure Indicator	31854	AF43-23826
Manifold Pressure Indicator	31854-31	7938
Temp Indicator	33204	AF43-4730BA
Fire Detector Panel	33958-3	124
Fire Detector Panel	33958-3	829
Oil Temp Indicator	33980	9783D
Fire Detection Relay	35884	CPAR850
Circuit Breaker	35E04-1-A	1354
Circuit Breaker	35E04-1-A	R3207
Fuel Qty Adj Box	37-1-7200-41	V1009C
Fuel Qty Indicator	37-23-4100	774
Fuel Qty Junction Box	37-2-6000-1	1103
Fuel Qty Junction Box	37-2-6000-1	1705K
Fuel Qty Junction Box	37-2-6000-2	1102
Fuel Qty Junction Box	37-2-6000-2	1325
Fuel Qty Junction Box	37-2-6000-3	10-21
Fuel Qty Junction Box	37-2-6000-3	W1008
Fuel Qty Junction Box	37-2-6000-4	1168
Fuel Qty Junction Box	37-2-6000-4	1225
Fuel Qty Capacitor	37-3-2000- 62	F1100
Fuel Qty Capacitor	37-3-2000-62	F1069
Fuel Qty Capacitor	37-3-2050	NSN
Fuel Qty Power Supply	37-4-3100-2	2
Tank Unit	381003-AO168	2828L
Tank Unit	381003-AO168	2896L
Fuel Qty Tank Unit	381005F0134	1632G
Fuel Qty Tank Unit	381005F0135	719C
Fuel Qty Tank Unit	381005F0136	H1583F
Fuel Qty Tank Unit	38105-136	A1432-5
Tank Unit	38105-F0134	A1266F
Tank Unit	38105-F0135	970D
Tank Unit, A107IT	38105-F0137	0320-156R7
Fuel Qty Amp	38200	10013N
Fuel Qty Amp	38200	11445-N
Fuel Qty Amp	38200	1243J
Fuel Qty Amp	38200	13157N
Fuel Qty Amp	38200	1359P
Fuel Qty Amp	38200	2259J

Fuel Qty Amp	38200	3313L
Fuel Qty Amp	38200	3407L
Fuel Qty Amp	38200	5238L
Fuel Qty Amp	38200	5456L
Fuel Qty Amp	38200	5468L
Fuel Qty Amp	38200	653F
Fuel Qty Amp	38200	6905
Fuel Qty Amp	38200	8010L
Fuel Qty Indicator	383000-061	X9860
Fuel Qty Bridge Calibrator	38500	10498P
Fuel Qty Bridge Calibrator	38500	10508P
Fuel Qty Bridge Calibrator	38500	10746R
Fuel Qty Bridge Calibrator	38500	10899PR
Fuel Qty Bridge Calibrator	38500	11003R
Fuel Qty Bridge Calibrator	38500	1865
Fuel Qty Bridge Calibrator	38500	2122K
Fuel Qty Bridge Calibrator	38500	2417K
Fuel Qty Bridge Calibrator	38500	2930L
Fuel Qty Bridge Calibrator	38500	3892M
Fuel Qty Bridge Calibrator	38500	5000-M
Fuel Qty Bridge Calibrator	38500	979H
Turn and Bank Indicator	3906-1M-A1	1797P
Turn and Slip Indicator	3934-1AG-B1-1	702601
Pressure Actuator Switch	410-15BL-80	4433
Pressure Actuator Switch	410-15BL-80	4495
Pressure Actuator Switch	417-15BL-4	0323-240R3
Ice Temp Indicator	47B40	TTAC-113
Temp Indicator	47B504	86
Torque Pressure Switch	5012A	10354
Auto Feather Switch	5012A	105
Auto Feather Switch	5012A	10632
Auto Feather Switch	5012A	11238
Torque Pressure Switch	5012A	441
Torque Pressure Switch	5012A	5243
Torque Pressure Switch	5012A	7856
Torque Pressure Switch	5012A	9522
Torque Pressure Switch	5012A	9578
Standby Horizon Indicator	504-0010-904	3420
Altimeter	5934P-1	2C599
Altimeter	5934P-1	6F903
Altimeter	5934P-1	M4844
Altimeter	5934P-1	OG188
Compass	615035	817
Gyro Horizon Indicator	615401-6	12-1634B
Gyro Sync Control	617908	1937
Gyro Sync Control	617908	2847
Flux Valve Transmitter	620359	80051125
Compass Repeater Amp	653822	W9836
Altimeter	671BK-900C	AF-43-46702
Gyro Sync Control	673447	AF51-586
Gyro Sync Control	673447	AF52-14830

Gyro Sync Control	673447	AF52-C253
Gyro Sync Control	673447	B15409
Gyro Sync Control	673447	P-203
Compass Amp	684535	5690
Climb Indicator	716CU-4-052	AF-55-14829
Manifold Pressure Indicator	728-FU-10-045	10388
Pressure Transmitter	7709-15-G5-1	1800
Pressure Transmitter	7709-15-G5-1	7129
Oil Temp Indicator	77C15	15
DC Voltmeter	831T114	MIC-38
Airspeed Indicator	865-6-063	W772389
Aircraft Clock	88000-4102	C816279
AC Ammeter	8AW43AAA219	5012
Tach Indicator	8DJ43BAE	AF-52-J126436
Tach Indicator	8DJ81BAA1	D1255
Tach Indicator	8DJ81BAA1	D7295
Tach Indicator	8DJ81BAA1	D8544
Tach Indicator	8DJ81BAA1	E0973
Tach Indicator	8DJ82FAH	Z073
Tach Indicator	8DJ82FAH1	2-1261
Tach Indicator	8DJ82FAH1	2965
Tach Indicator	8DJ82FAH1	556
Tach Indicator	8DJ82FAH1	C2143
Tach Indicator	8DJ82FAH1	C2202
DC Voltmeter	8DW53VBAID	AF55-1415
Fuel Flow Power Supply	8TJ5EAA-5	M968-3
Fuel Flow Transmitter	9061-11A	1400P
Fuel Flow Transmitter	9061-11A	2215
Fuel Flow Transmitter	9061-11A	3316
Fuel Flow Transmitter	9061-11A	3723Z
Fuel Flow Transmitter	9061-11A	42018-B1C
Fuel Flow Transmitter	9061-11A	4596
Fuel Flow Transmitter	9061-11A	4730
Fuel Flow Transmitter	9061-11A	5167
Fuel Flow Transmitter	9061-11A	5192
Fuel Flow Transmitter	9061-11A	5440
Fuel Flow Transmitter	9061-11A	5709
Fuel Flow Transmitter	9061-11A	5848
Fuel Flow Transmitter	9061-11A	6056
Fuel Flow Transmitter	9061-11A	7070
Fuel Flow Transmitter	9061-11A	719P
Fuel Flow Transmitter	9061-11A	823
Fuel Flow Transmitter	9061-11A	9486
Fuel Flow Transmitter	9061-11A	M2269
Fuel Flow Transmitter	9061-11-A	1497P
Fuel Flow Transmitter	9061-11B	3009P
Fuel Flow Transmitter	9061-7A	4512
Outflow Valve	94190	Z-459
Manifold Pressure Gauge	AN5770	4178-12
Air Temp Indicator	AN5790-6	142787
Air Temp Indicator	AN5790-6	AC23-2643343

Oil Pressure Gauge	AW17/8-154-D13-F11	558
Pressure Gauge	AW17/8-17-C26	46512
Air Brake Pressure Indicator	AW17/8-17-DA3	11117-311
Oxygen Gauge	AW17/8-27-E5	4187
Pressure Indicator	AW17/8-DGF-40	19137
Hydraulic Press. Gauge	AW23/4-34-KF11	971
Manifold Press. Indicator	AW-2-31-B2	30722
Fuel Qty Indicator	BDE-5383-1	XX664
Fuel Qty Indicator	BDE-5838-1	XX21534
Fuel Qty Indicator	BDE-5838-3	XX1416
Fuel Qty Indicator	BDE-5838-6	XX11411
Fuel Qty Indicator	BDE-5838-7	XX1598
Fuel Qty Indicator	BDE-5838-7	XX24298
ADI Quantity Indicator	EA100AN-133H	A31962-2
Fuel Quantity Tank Unit	EA15-411328-5	8622-12
Fuel Quantity Tank Unit	EA15-411328-5	MIC-45
Fuel Quantity Indicator	EA48-5-24	RS11193
Water Qty Transmitter	EA584BC-764	107265011
Water Qty Transmitter	EA584BC-764	116515-175
ADI Transmitter	EA584BC-764	757
Tank Unit	EA584BC-764	8C-508
Tank Unit	EA584BC-827A	B19392-1
Fuel Qty Power Unit	EG-5A12	M-96
Tach Generator	H60-100	21391
Fuel Quantity Indicator	JG7031A-10	X-4
Fuel Quantity Tank Unit	JG7039C1	0-790
Tach Generator	MS25038-2	33434
Tach Generator	MS25038-2	97856
Tach Generator	MS25048-2	46351
Hydraulic Pressure Transmitter	MS28005-5	F-55-20U1A1
Hydraulic Pressure Transmitter	MS29005-5	16594
Flap Position Indicator	NO PART #	MIC-51
RPM Indicator	PW174RVCP1	PY-209
Turn and Bank Indicator	R.C.A.-4	N3405
Fuel Qty A203Power Unit	RG76038A-2	Q-646
Hydraulic Pressure Unit	SLR-7F	5348
Torque Pressure Transmitter	ST-2D	17776
Torque Pressure Indicator	ST-2D	AF-15-1912
Pressure Transmitter	ST4H	AF53-945
Oil Pressure Transmitter	ST-4H	18261
Oil Pressure Transmitter	ST-6B	AF52-18725
Hydraulic Pressure Transmitter	ST-7C	AF552001-AJ
Valve Assembly	WE459-11/4D	156
Valve Assembly	WE459-11/4D	2197
Valve Assembly	WE459-11/4D	348
Valve Assembly	WE459-11/4D	844
Valve Assembly	WE459-11/4D	VA214-9