

Previous DCR		REVISIONS		
REV	DESCRIPTION	DATE	APPROVED	
BE	Rev. AgustaWestland (CTSP-280-1) P/N on Page 7 per DCR 58061	12/30/09 ATH	12/30/09	TA
BF	Rev. to add eligibility of Bombardier model CL-600-2D15 (Regional Jet Series 705) to M ³ -460L-1A, TSP-1760L-1 and M ³ -1760L-1 per DCR-58525.		7-19-11	TA
BG	Revise to add approved TSP-408L-1 and TSP-1708L to list per Sup 63		9-29-11	TA
BH	DCR 59013 Revised to update M ³ -44-9 to 20 cell battery		3/18/13	GC
BJ	DCR 59369 Revised to add M ³ -44-27 and 5-S-113		5/9/14	GC
BK	DCR 59445 Revised to add M ³ X-33-4		6/14/04	GC
BL	DCR 59567 Revised to correct error on page 15.		10/27/14	TA
BM	DCR59685 Revise to add M ³ X-54-1 to list per Sup 72 and insert latest PMA Approval letter from Aug 13, 2012 in pages 4,5, and 6.		5-7-15	<i>[Signature]</i>

REFERENCE SPECIFICATION

APPROVALS		DATE	MarathonNorco Aerospace, Inc. WACO, TEXAS				
ORIGINATOR J. Grubessich		05/15/91	FAA – PMA Listing --Battery--				
CHECKED J. Grubessich		05/15/91					
APPROVED J. Grubessich		05/15/91					
DIST. CODE		16A	SIZE A	FSCM 74025	DWG NO RS-95146	REV	BM
SHEET 1 OF 16							

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1.0 SCOPE

This RS lists all MarathonNorco Aerospace, Inc. (Marathon) products that have FAA Parts Manufacture Approval (PMA).

2.0 DISTRIBUTION

Internal distribution of this document is a part of this RS. NOTE: A copy of this RS must be supplied to Marketing Department.

3.0 REVIEW/UPDATE

It is the responsibility of the MNAI FAA Coordinator to review and update this listing as additional PMA's are received and to ensure timely distribution of this document.

NOTE: PMA spare part listings are referenced under RS-95176 (internal use only), or electronically under <G:/Everyone/Tim Asyn/PMA List/PMA Parts Battery>.

4.0 DISTRIBUTION TO CUSTOMERS

It is the responsibility of the Marketing Department to send the latest revision of sheets 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16 to customers on a "customer request" basis.



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

Rotorcraft Directorate
San Antonio Manufacturing Inspection District Office

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San Antonio, Texas 78216
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August 13, 2012

Mr. Greg Baugh
Marathon Norco Aerospace
8301 Imperial Drive
Waco, Texas 76712-6588

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Dear Mr. Baugh:

On October 16, 2009, the Federal Aviation Administration (FAA) published a rule revising Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, effective April 16, 2011. The revised part 21 contains changes that affect your Parts Manufacturer Approval (PMA) letter dated September 30, 2003. This letter serves as a replacement to that PMA letter which addresses the part 21 changes.

In accordance with 14 CFR, part 21, Certification Procedures for Products, Articles and Parts, subpart K, the FAA has found that the design data, as submitted by Marathon Norco Aerospace (hereinafter referred to as "the Manufacturer") on September 1, 2011, meets the airworthiness requirements of 14 CFR applicable to the product(s) on which the article(s) is to be installed. Additionally, the FAA has determined that the Manufacturer has established the quality system required by § 21.307 at 8301 Imperial Drive, Waco, Texas 76712-6588. Accordingly, PMA is hereby granted to the Manufacturer to produce the replacement articles (or modification articles, as applicable) listed in the supplement(s) issued that are dated prior to this letter and in conformity with the FAA-approved design data. Subsequent changes to these design data must be approved in a manner acceptable to the FAA.

The following terms and conditions apply to this approval:

1. The Manufacturer's quality system, methods, procedures, and manufacturing facilities, including suppliers, are subject to FAA surveillance and investigations. Accordingly, the Manufacturer must advise its suppliers that their facilities are also subject to FAA surveillance and investigations.
2. The Manufacturer must obtain approval from the San Antonio Manufacturing Inspection District Office (MIDO) prior to relocating or expanding manufacturing facilities at which articles are produced; this includes the addition of associate facilities. Additionally, this requirement applies to the Manufacturer's suppliers with major inspection authorization, and those suppliers who furnish articles or related services where a determination of safety and conformance to the approved design cannot or will not be made upon receipt at the approved receiving facility.

3. Upon request, the Manufacturer must make available to the FAA any pertinent information concerning their suppliers who furnish parts/services. This includes:

- a. A description of the part or service;
- b. Where and by whom the part or service will undergo inspection;
- c. Any delegation of inspection duties;
- d. Any delegation of materials review authority;
- e. The name and title of the FAA contact at the supplier facility;
- f. The inspection procedures required to be implemented;
- g. Any direct-shipment authority;
- h. Results of the Manufacturer's evaluation, audit, and/or surveillance of their suppliers;
- i. The purchase/work order number (or equivalent); and
- j. Any feedback relative to service difficulties originating at the Manufacturer's suppliers.

4. Parts, appliances, or manufacturing services furnished by any suppliers located in a foreign country may not be used in the production of any article or appliance listed in the enclosed supplement unless:

a. That part or service can and will be completely inspected for conformity at the Manufacturer's U.S. facility; or

b. The FAA has determined that the location of the foreign supplier facility places no undue burden on the FAA in administering applicable airworthiness requirements. The Manufacturer must advise the FAA at least ten working days in advance when the use of such foreign suppliers is contemplated to allow the FAA time to make this determination.

5. Articles produced under the terms of this approval must be permanently marked with the identification information as required by 14 CFR part 45 § 45.15, Identification and Registration Marking. Use the letters "FAA-PMA," the name, trademark, or symbol of the company, and the part number. If the FAA finds the article is too small or impractical to mark, the manufacturer must attach the information required by § 45.15 to the article or its container.

6. This approval is not transferable and it may be withdrawn for any reason that precludes its issuance or whenever the FAA finds that the quality system is not being maintained. A withdrawal may occur if unsafe or nonconforming articles are accepted under the quality system.

7. The San Antonio MIDO must approve any changes to the address shown in this approval.

8. The Manufacturer must maintain its quality system in continuous compliance with the requirements of § 21.307. The Manufacturer also must ensure that each article conforms to the approved design data and is safe for installation on type-certificated products.

9. A PMA holder has the privileges specified within the PMA letter and supplement. In addition, a PMA holder is eligible for the appointment of qualified individuals in its employ to represent the FAA as Designated Manufacturing Inspection Representatives (DMIRs), in accordance with the provisions of part 183. The DMIR may issue export airworthiness approvals for articles. The PMA holder may also be authorized to apply for and obtain an Organization Designation Authorization (ODA). Orders 8100.8 and 8100.15 contain procedures for the administration of DMIRs and ODAs, respectively.

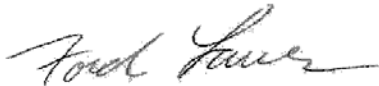
10. The Manufacturer must report in a timely manner, to the San Antonio MIDO, information concerning service difficulties on any article produced under this approval. The Manufacturer also must report any failures, malfunctions, and defects that are required to be reported in accordance with § 21.3.

11. All technical data required by § 21.303(a)(3) for the articles to be produced in accordance with this approval, must be readily available to the FAA at the facility where the articles are being produced.

12. The Manufacturer must notify the San Antonio MIDO immediately in writing of any changes to the quality system that may affect the inspection, conformity, or airworthiness of the articles approved in this letter.

13. The Manufacturer must produce all articles in accordance with the FAA-approved Parts Manufacturer Approval, and Quality Manual, Revision A, dated May 24, 2012, that has been presented as evidence of compliance with § 21.307 and 21.308. Accordingly, any revisions to these data must be submitted to the San Antonio MIDO for approval prior to implementation.

Sincerely,



Ford J. Lauer III
Manager, San Antonio Manufacturing
Inspection District Office

5.0 MARATHON FAA/PMA APPROVED BATTERIES AS OF 4/27/2015

Note: This listing supersedes any FAA-PMA nameplate identification on battery.

MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
Aerospatiale	ATR 42, 72 Series	TCA 1742	31718-002 20-17H100	2 (05-12-95)	STC ST00222AT
Aerospatiale	ATR 42, 72 Series	TSP 442	31714-001 20-44SP100	1 (05-23-94)	
Aerospatiale	ATR 42, 72 series	M ³ -44-11	32857-001 19-44M ³ 120	17R1(12-17-99)	Alternate to TSP-442
Aerospatiale	ATR 42, 72 series	M ³ -17-2	32855-001 19-17M ³ 100	18(09-03-99)	Alternate to TCA 1742
Aerospatiale (Eurocopter, France)	AS 355 Series	TCA 1735	30408-001 20-17H100	1 (05-23-94)	STC SH4971SW
Aerospatiale (Eurocopter, France)	AS 350 Series	TCA 1735	30408-001 20-17H100	1 (05-23-94)	STC SH4970SW
Aerospatiale (Eurocopter, France)	SA 315B	TCA 440	30376-001 20-40H100	1 (05-23-94)	STC SH4960SW
Aerospatiale (Eurocopter, France)	SA 319B	TCA 440	30376-001 20-40H100	1 (05-23-94)	STC SH4961SW
Aerospatiale (Eurocopter, France)	AS 350 Series	TSP 1735 TSP 1735L	30402-001 20-17SP100 30402-002 20-17SP100	1 (05-23-94)	STC SH4970SW
Aerospatiale (Eurocopter, France)	AS 355 Series	TSP 1735 TSP 1735L	30402-001 20-17SP100 30402-002 20-17SP100	1 (05-23-94)	STC SH4971SW
Aerospatiale (Eurocopter, France)	SA319B	TSP 440	30377-001 20-40SP100	1 (05-23-94)	STC SH4961SW
Aerospatiale (Eurocopter, France)	SA 315B	TSP 440	30377-001 20-40SP100	1 (05-23-94)	STC SH4960SW
AgustaWestland	AW-139	CTSP-280-1	31995-002 20-28SP100	57 (02-04-2008)	
AgustaWestland	AW-139	M ³ -44-22	33204-001 19-44M ³ 120	59 (11-04-2008)	
AgustaWestland	A109-A, All.	CA-21H-1	27515-002 19-20H120	60 (06-02-2009)	
AgustaWestland	A109-a, All, C.	CTCA-21H-1	31517-002 19-20H120	60 (06-02-2009)	
AgustaWestland	A109-LUH, N.	CTSP-400	31519-001 20-40SP100	60 (06-02-2009)	
AgustaWestland	A109-A, All, C, K, K2, E, S. A119	CTSP-280-1	31995-002 20-28SP100	60 (06-02-2009)	
AgustaWestland	A109-A, All, C, K, K2, e, s. A119	M ³ X-33-1	33181-001 19-28M ³ X100	60 (06-02-2009)	
AgustaWestland	AB-139, AW-139	M ³ -44-27	33204-002 20-44M ³ 120	69 (2-20-14)	
AgustaWestland	AW-1095SP	M ³ X-33-4	33181-004 20-28M ³ X100	71 (5-23-14)	

5.0 MARATHON FAA/PMA APPROVED BATTERIES AS OF 4/27/2015

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MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
Airbus	A318 Model -111, -112, A319 Model-111, -112, -113, -114, -115, -131, -132, -133; A320 Model-111, -211, -212. -214, -231, -232, -233; A321 Model-111, -112, -131, -211, -212, -213, -231, -232	M ³ X-23-1	32955-002 20-23M ³ X100	35R1 (4-18-2008)	Replace Saft 2758
Airbus	A300, Model B2-1A, B2-1C, B4-2C, B2K-3C, B4-103, B2- 203, B4-203, B4-601, B4- 603, B4-620, B4-605R, B4- 622, BR-622R, C4-605R Variant F, F4-605R, F4- 622R; A310, Model 203, 204, 221, 222, 304, 322, 324, 325.	M ³ -25-1 MOD A	33082-001 20-25M ³ 120	44R1 (12/14/2006)	Replace Saft 2520 SIL 33082-0804
Airbus	A300, Model B2-1A, B2-1C, B4-2C, B2K-3C, B4-103, B2- 203, B4-203, B4-601, B4- 603, B4-620, B4-605R, B4- 622, BR-622R, C4-605R Variant F, F4-605R, F4- 622R; A310, Model 203, 204, 221, 222, 304, 322, 324, 325.	M ³ -25-1	33082-002 20-25M ³ 120	44R1 (12/14/2006)	Replace Saft 2520
Beech Aircraft (Raytheon)	200 Series	CA 400	29327-001, 30862-001 Kit	1 (05-23-94)	Installation Kit P/N 30862-001, STC SA5674SW Installation Dwg. 30853-001
Beech Aircraft (Raytheon)	C-90, E-90, 99, B99	CA 5H	24535-015 19- 36H120	1 (05-23-94)	
Beech Aircraft (Raytheon)	65-90, 65-A90, B90, C90, C90A, E90, H90.	KSP 400	30461-01C 20- 40SP100	1 (05-23-94)	STC SA00112AT
Beech Aircraft (Raytheon)	99, 99A, A99A, B99, C99, 100, A100, A100A, A100C, B100.	KSP 400	30461-01C 20- 40SP100	1 (05-23-94)	STC SA00114AT
Beech Aircraft (Raytheon)	200, 200C, 200CT, 200T, A200, B200, B200C, B200CT, B200T, 300, B300, B300C, 300LW, 1900, 1900C, 1900B.	KSP 400	30461-01C 20- 40SP100	1 (05-23-94)	STC SA00110AT
Beech Aircraft (Raytheon)	200, 200C, 200CT, 200T, A200, B200, B200C, B200CT, B200T, 300, B300, B300C, 300LW, 1900, 1900C, 1900B, F90, 65-90, 65-A90, B90, C90, C90A, E90, H90, 99, 99A, A99A, B99, C99, 100, A100, A100A, A100C, B100.	KSP 400L	30461-02C 20- 40SP100	10(07-08-98)	Alternate to Marathon KSP-400
Beech Aircraft (Raytheon)	200, 200C, 200CT, 200T, A200, B200, B200C, B200CT, B200T, 300, B300, B300C, 300LW, 1900 1900C, 1900D, 65-90, 65 A90, B90, C90, C90A, E90, H90, 99, 99A, A99A, B99, C99, 100, A100, A100A, A100C, B100, A99.	M ³ -44-7	32824-001 19- 44M ³ 120	16(09-03-99)	Alternate to KSP-400 and KSP-400L

5.0 MARATHON FAA/PMA APPROVED BATTERIES AS OF 4/27/2015

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MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
Beech Aircraft (Raytheon)	200 Series	SP 400 SP 400L	30126-001 20-40SP100 30126-002 20-40SP100	1 (05-23-94)	Installation Kit P/N 30862-001, STC SA5674SW Installation Dwg. 30853-001
Bell Helicopter Textron	206A, 206A-1, 206B, 206B-1, 206L	CA 103	27662-021 19-10H120	1 (05-23-94)	
Bell Helicopter Textron	206A, 206B, 206L	CA 1700	29365-01C 20-17H100	1 (05-23-94)	Installation Kit P/N 29401-001, STC SH4765SW Installation Dwg. 30427-001
Bell Helicopter Textron	206L-1, 206L-3	CA 170A	30450-001 20-17H100	1 (05-23-94)	Bell P/N 206-075-742-101
Bell Helicopter Textron	205A, 205A-1, 212	MA 5	24535-010 19-36H120	1 (05-23-94)	
Bell Helicopter Textron	206A, 206B, 206L	SP 1700 SP 1700L	30135-001 20-17SP100 30135-002 20-17SP100	1 (05-23-94)	Installation Kit P/N 29401-001, STC SH4765SW Installation Dwg. 30427-001
Bell Helicopter Textron	206L-1, 206L-3	SP 170A	30554-01C 20-17SP100	1 (05-23-94)	Bell P/N 206-075-742-101
Bell Helicopter Textron	206L-1, 206L-3	SP 170AL	32007-001 20-17SP100	1 (05-23-94)	
Bell Helicopter Textron	204B, 205A, 205A-1, 212, 222, 222B, 222U, 412	TMA 5-20	30703-001 20-36H120	1 (05-23-94)	
Bell Helicopter Textron	412	TMA-5-20C	30703-002 20-36H120	27(5-10-2000)	Alternate TMA-5-20
Bell Helicopter Textron	206A, 206B, 206L	M ³ -1700L	32749-001 19-17M ³ 100	28(5-10-2000)	Alternate to CA-1700, SP-1700, SP-1700L
Bell Helicopter Textron	206L-1, 206L-3	M ³ -170AL	32752-001 19-17M ³ 100	29(5-10-2000)	Alternate to CA170, SP170A, SP170AL
Bell Helicopter Textron	222,222B	TSP 1722	31871-001 20-17SP100	5R (08-21-95)	Bell P/N 206-075-742-105
Bell Industries	100-000036 on 747 Series Aircraft	S-104T	38924-025 S-104	4 (06-22-95)	Alternate to Marathon 38924-019
Bell Helicopter	214, 222, 412, 430 All Series.	18-S-104	39563-001	43 (11/27/2001)	
Bell Helicopter	407,427,430	TSP-283	31908-001	50 (7-1-2005)	
Boeing Aircraft	747 Series	CA 154-1	28656-002 19-15M220	1 (05-23-94)	
Boeing Aircraft	727 Series	CA 27	28111-002 19-24ME220	1 (05-23-94)	Boeing P/N 10-60707-6 Replaced by CA 27-20C
Boeing Aircraft	727 Series	CA 27-20	28111-003 20-24ME220	1 (05-23-94)	Boeing P/N 10-60707-9 Replaced by CA-27-20C
Boeing Aircraft	727 Series	CA 27-20C	28111-004 20-24ME220C	3R (11-14-95)	Boeing P/N 10-60707-15
Boeing Aircraft	707-300 Series, 707-400 Series	CA 54-1	28002-001 19-5H120	1 (05-23-94)	
Boeing Aircraft	747 Series	CA 54-3	27826-002 19-5H120	1 (05-23-94)	
Boeing Aircraft	727 Series	CA 727-20	25582-003 20-24M220	1 (05-23-94)	Boeing P/N 10-60707-10 Replaced by CA727-20CR
Boeing Aircraft	727 Series	CA 727-7	25582-002 19-24M220	1 (05-23-94)	Replaced by CA 727-20CR
Boeing Aircraft	727 Series	CA 727-9	25582-004 20-24H100	1 (05-23-94)	Boeing P/N 10-60707-14

5.0 MARATHON FAA/PMA APPROVED BATTERIES AS OF 4/27/2015

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MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
Boeing Aircraft	727 Series	CA 727-20C	25582-005 20-24M220C	3R (11-14-95)	Replaced by CA727-20CR
Boeing Aircraft	737-100, 200, 200C	CA 727-20C	25582-005 20-24M220C	5R (08-21-95)	Replaced by CA 727-20CR
Boeing Aircraft	737 Series	CA 737	28277-001 19-24M220	1 (05-23-94)	Boeing P/N 10-60707-5
Boeing Aircraft	737-100,200,200C	CA-727-20CR	25582-006 20-24M220CR	12R(08-06-98)	Boeing P/N 10-60707-16 Replaces Marathon CA-727-20C or CA-727-20 Battery
Boeing Aircraft	727,727-100,727C-100C,727-200,200F Series	CA727-20CR	25582-006 20-24M220CR	12R(08-06-98)	Boeing P/N 10-60707-16 Replaces Marathon CA-727-20C CA-727-20, CA727-7
Boeing Aircraft	727 Series	KCA 727	29069-001 19-24M220	1 (05-23-94)	Boeing P/N 10-60707-8 Replaced by KCA 727-20CR
Boeing Aircraft	727 Series	KCA 727-20	29069-002 20-24M220	1 (05-23-94)	Boeing P/N 10-60707-11 Replaced by KCA 727-20CR
Boeing Aircraft	727 Series	KCA 727-20C	29069-003 20-24M220C	1 (05-23-94)	Replaced by KCA 727-20CR
Boeing Aircraft	727,727-100,727C-100C,727-200,200F Series	KCA-727-20CR	29069-004 20-24M220CR	12R(08-06-98)	Boeing P/N 10-60707-17, Replaces Marathon KCA727-20 KCA 727-20C, KCA727
Boeing Aircraft	737-300, 400, 500 Series	SP 747	30874-001 20-38SP100	1 (05-23-94)	Boeing P/N 60B40017-9
Boeing Aircraft	737-700 Series	SP747	30874-001 20-38SP100	8(3-16-98)	Replaces Saft 40176-7
Boeing Aircraft	747-100,100B,100BSUD,200B,200F,200C,747SR,747SP	SP 747	30874-001 20-38SP100	14(12-10-98)	Replaces SAFT 40176-7
Boeing Aircraft	747-400, 400D 757-200, 200PF, 200CB 767-200, 300, 300F 737-300, 400, 500	TSP-46-1	32669-001 20-46SPE100	15(4-26-99)	Replace Saft 4579 (Boeing P/N S282T002-1)
Boeing Aircraft	747-400, 400D 757-200, 200PF, 200CB 767-200, 300, 300F 737-300, 400, 500	M ³ -54-1	32536-001 19-54M ³ 120	47 (2-18-2004)	Alternate to TSP-46-1 and SAFT 4579
Boeing Aircraft	737-600,-700,-800, -900 Series, 747-400, -400 F Series, 767-200, -300, -400 ER Series	M ³ X-54-1	33183-001 19-54M ³ X120	53R2 (6-12-06)	Boeing P/N S282T003-1
Boeing Aircraft	757-200, -200PF, -200CB Series, 757-300 Series	M ³ X-54-1	33183-001 19-54M ³ X120	58 (5-28-2008)	Boeing P/N S282T-002-1, Eldec P/N BA06-01, Saft 4579.
Boeing Aircraft	737-900 ER	M ³ X-54-1	33183-001 19-54M ³ X120	72 (4-27-2015)	Boeing P/N S282T003-1 Eldec P/N BA-35-01 Saft P/N 024147-000 (539CH-1)
Boeing Aircraft	234	TCA 7	29986-001 19-12M220	1 (05-23-94)	
Boeing Aircraft	717-200 Series	BP-95	BP-95 Battery Pack	25 (1-31-2000)	
Bombardier	DHC-8-400, -401, 402	TSP-408L-1	32441-002 20-40SP100L	63 (7-25-2011)	Replaces Honeywell 1152112-2
Bombardier	DHC-8-400, -401, -402	TSP-1708L	32472-001 20-17SP100	63 (7-25-2011)	Replaces Honeywell 1152268-1

5.0 MARATHON FAA/PMA APPROVED BATTERIES AS OF 4/27/2015

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MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
Bombardier/Canadair	CL 600-2B19 (RJ-100/RJ-200* SERIES)	TSP 1760L	31918-001 20- 17SP100	5R (08-21-95)	Replaces Saft 1756-1 * Ref. TCDS A21EA Rev 20, Note 8
Bombardier/Canadair	CL 600-2B19 (RJ-100/RJ-200* SERIES)	UTSP460L	31006-001 20- 44SP100	5R (08-21-95)	Replaces Saft 4078-3 * Ref. TCDS A21EA Rev 20, Note 8
Bombardier/Canadair	CL 600-2B19 (RJ-100/RJ-200* SERIES)	TSP-1760L-1	31918-002 20-17SP100	36 (6-21-2001)	Replaces TSP-1760L * Ref. TCDS A21EA Rev 20, Note 8
Bombardier/Canadair	CL 600-2B19 (RJ-100/RJ-200* SERIES)	M ³ -1760L-1	31918-003 20-17M ³ 120	34 (6-21-2001)	Alternate to TSP-1760L and TSP-1760L-1 * Ref. TCDS A21EA Rev 20, Note 8
Bombardier/Canadair	CL 600-2B19 (RJ-100/RJ-200* SERIES)	UTSP-460L-1	31006-003 20-44SP100	37 (7-3-2001)	Replaced UTSP-460L * Ref. TCDS A21EA Rev 20, Note 8
Bombardier/Canadair	CL 600-2B19 (RJ-100/RJ-200* SERIES)	M ³ -460L-1	31006-004 20-44M ³ 120	38 (7-3-2001)	Alternate to UTSP-460L and UTSP-460L-1 * Ref. TCDS A21EA Rev 20, Note 8
Bombardier/ Canadair	CL-600-2B16 (CL-604)	UTSP-460L-1	31006-003 20-44SP100	51 (7-1-2005)	
Bombardier/Canadair	CL-600-2B16 (CL-604)	M ³ -460L-1	31006-004 20-44M ³ 120	51 (7-1-2005)	
Bombardier/Canadair	CL-600-2B16 (CL-604),CL- 600-2B19 (REGIONAL JET SERIES 100, 200, & 440),CL-600-2C10 (REGIONAL JET SERIES 700 & 701), CL-600-2D15 (Regional Jet Series 705), CL600-2D24 (REGIONAL JET SERIES 900).	M ³ -460L-1A	31006-006 20-44M ³ 120	51R1 (6-7-2011)	
Bombardier/Canadair	CL-600-2B16 (CL-604),CL- 600-2B19 (REGIONAL JET SERIES 100, 200, & 440),CL-600-2C10 (REGIONAL JET SERIES 700 & 701), CL-600-2D15 (Regional Jet Series 705), CL600-2D24 (REGIONAL JET SERIES 900).	TSP-1760L-1	31918-002 20-17SP100	51R1 (6-7-2011)	
Bombardier/Canadair	CL-600-2B16 (CL-604),CL- 600-2B19 (REGIONAL JET SERIES 100, 200, & 440),CL-600-2C10 (REGIONAL JET SERIES 700 & 701), CL-600-2D15 (Regional Jet Series 705), CL600-2D24 (REGIONAL JET SERIES 900).	M ³ -1760L-1	31918-003 20-17M ³ 120	51R1 (6-7-2011)	
British Aerospace	1-11 400 Series	CA 54-1	28002-001 19- 5H120	1 (05-23-94)	
British Aerospace (Jetstream)	3101, 3201	BTM 502/2 099-29612/2	BTM 502/2	1 (05-23-94)	
British Aerospace (Raytheon Corporate Jets Ltd)	DH-125-1A Series, DH-125-3A Series	CA 125	27518-001 19- 3H120	1 (05-23-94)	
British Aerospace (Raytheon Corporate Jets Ltd)	146 Series 100A, 200A	TSP 940	31392-002 20- 24SP100	1 (05-23-94)	Replace Saft 23491-3 Battery

5.0 MARATHON FAA/PMA APPROVED BATTERIES AS OF 4/27/2015

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MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
Canadair Ltd (Bombardier)	CL 600 Series, CL 601 Series	UTSP 400	31006-002 20-40SP100	1 (05-23-94)	
Cessna Aircraft	441	ATCA 21H	29486-001 20-20H120	1 (05-23-94)	Cessna P/N 9910308
Cessna Aircraft	441	ATCA 441	30976-001 20-40H100	1 (05-23-94)	Installation Kit P/N 30865-001, STC SA5673SW Installation Dwg. 30857-001
Cessna Aircraft	525,650	ATSP 280	31169-001 20-28SP100	7 (11/14/97)	Cessna P/N 9914058-9
Cessna Aircraft	650	ATSP 400-2	30665-002 20-40SP100	1 (05-23-94)	Cessna P/N 9914058-201
Cessna Aircraft	425, 500, 650	ATSP 44	30978-002 20-44SP100	1 (05-23-94)	Cessna P/N 9914058-6
Cessna Aircraft	650	ATSP 44	30978-002 20-44SP100	1 (05-23-94)	Cessna P/N 9914058-6
Cessna Aircraft	750	ATSP 44	30978-002 20-44SP100	6 (11/14/97)	Cessna P/N 9914058-6
Cessna Aircraft	441	ATSP 441	30978-001 20-40SP100	1 (05-23-94)	Installation Kit P/N 30865-001, STC SA5673SW Installation Dwg. 30857-001
Cessna Aircraft	425	CA 16N	27288-001 20-36H120	1 (05-23-94)	
Cessna Aircraft	500, 501	CA 5H	24535-015 19-36H120	1 (05-23-94)	Cessna P/N's 9912040-1, 5508081-6, 5518119-3
Cessna Aircraft	208	TSP 410	30994-001 20-40SP100	1 (05-23-94)	
Cessna Aircraft	425, 500, 650, 750	M ³ -44-1	32663-001 19-44M ³ 120	21 (10-07-99)	Alternate to ATSP-44
Cessna Aircraft	525,550,550 Bravo, S550,560,750	ATSP-44	30978-002 20-44SP100	32 (08-25-00)	Cessna P/N 9914058-6
Cessna Aircraft	425,500,525,550,550 Bravo, S550,560,650,750	M ³ -44-1	32663-001 19-44M ³ 120	33 (08-25-00)	Alternate to ATSP-44
DeHavilland Aircraft (Boeing Canada)	DHC-7-1, -100, -101, -102, -103	BTCA 400	29653-001 20-40H100	1 (05-23-94)	Superceded by BTSP 400
DeHavilland Aircraft (Boeing Canada)	DHC-6, DHC-6-1, -100, 200, 300, DHC-7, DHC-7-1, -100, -101, -102, -103	BTCA 5	29094-001 19-36H120	1 (05-23-94)	
DeHavilland Aircraft (Boeing Canada)	DHC -8-100, -200, -300 Series	BTSP 179	31346-001 19-17SP100	4 (6-22-95)	DeHavilland P/N 31346-001
DeHavilland Aircraft (Boeing Canada)	DHC-7-1, -100, -101, -102, -103, DHC-8-100 Series.	BTSP 400	30441-001 20-40SP100	1 (05-23-94)	
DeHavilland Aircraft (Boeing Canada)	DHC-8-100, -200, -300 Series	BTSP 400	30441-001 20-40SP100	4 (06-22-95)	DeHavilland P/N 8SC0148
DeHavilland Aircraft	DHC-7 and DHC-8 Series	M ³ -44-15	32890-001 19-44M ³ 120	42 (11-14-2001)	Alternate to BTSP-400
Dornier	DO 328-100	DTSP 400L	31879-001 20-40SP100	5R (08-21-95)	
Dornier	228-100, -101, -200, -201, -202	TSP 280	30986-001 20-28SP100	1 (05-23-94)	Replace Saft 2778-2, STC SA7831SW
Embraer	EMB 110P1, 110P2	BTM 506	29330	1 (05-23-94)	
Embraer	EMB-110P1, 110P2	BTMA 5-20	29360-002 20-36H120	1 (05-23-94)	
Embraer	EMB 110P1, 110P2, 120, 120RT, 120ER	BTSP 400	30441-001 20-40SP100	5R (08-21-95)	Replaces Saft 4076-9

5.0 MARATHON FAA/PMA APPROVED BATTERIES AS OF 4/27/2015

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MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
Embraer Aircraft	EMB-110P1, -110P2, -120, 120RT, -120ER Series	M ³ -44-15	32890-001 19-44M ³ 120	40 (11-14-2001)	Alternate to BTSP-400
Embraer	EMB-145, EMB-145ER, 145MR, 145LR, 135ER, 145XR, 145EP	BTSP-4445L	32248-001 20-44SP100	11R3 (8-10-2005)	Embraer P/N SPD 145-26258
Embraer	EMB-145, 145ER, 145MR, 145LR, 135ER, 145XR, 145EP	M ³ -44-8	32845-001 19-44M ³ 120	19R4 (8-10-2005)	Alternate to BTSP-4445L
Embraer	EMB-135BJ, -135ER, -135KL, 135LR, -145EP, -145ER, 145LR, -145XR	BTSP-4445L	32248-001 20-44SP100	52 (09-30-2005)	
Embraer	EMB-135BJ, -135ER, -135KL 135LR, -145EP, 145ER, 145LR	M ³ -44-8	32845-001 19-44M ³ 120	55(12-2-2005)	Alternate to BTSP-4445L
Fairchild Aircraft (Swearingen)	SA-26AT, SA-226T, SA-226AT, SA-226T(B), SA-226TC	CA 9-20	28974-001 20-24H120	1 (05-23-94)	
Fairchild Aircraft (Swearingen)	SA-26AT, SA-226T, SA-226AT, SA-226T(B), SA-226TC	CA 91-20	29206-001 20-24H120	1 (05-23-94)	
Fokker	F-27 Series	CA 20H-20	29341-001 20-20H120	1 (05-23-94)	
Gates (Learjet)	23	CA 21H-1	27515-002 19-20H120	1 (05-23-94)	
Gates (Learjet)	23, 24, 24 A, B, D, E, F, 25, 25A, B, C, D, F	TCA 21H-1	28855-001 19-20H120	1 (05-23-94)	
Gates (Learjet)	24, 25, 28, 29	TCA 5	28856-001 19-36H120	1 (05-23-94)	
Gates (Learjet)	24, 25, 35	TCA 5-20-1	29017-002 20-36H120	1 (05-23-94)	
Gates (Learjet)	55, 55B	TSP 455-1	30838-002 20-40SP100	1 (05-23-94)	
Gulfstream Aerospace	G1159A, G-IV	CA 154-2	28695-001 19-15M220	1 (05-23-94)	
Gulfstream Aerospace	G1159	CA 154-7	29449-001 19-15M220	1 (05-23-94)	
Gulfstream Aerospace	G1159	CA 54-1	28002-001 19-5H120	1 (05-23-94)	
Gulfstream Aerospace	G159, G1159, G1159B	GSP 400	31013-001 19-44SP100	9 (07-08-98)	Alternate to Marathon MA-5
Gulfstream Aerospace	G1159A	GSP-400	31013-001 19-44SP100	39 (7-3-2001)	Alternate to Marathon MA-5
Gulfstream Aerospace	G-1159A, G-IV	GTMA 5-20	30560-001 20-36H120	1 (05-23-94)	
Gulfstream Aerospace	G1159A, G-IV	GTSP 400	31009-001 20-44SP100	1 (05-23-94)	
Gulfstream Aerospace	G159, G1159, G1159B	MA 5	24535-010 19-36H120	1 (05-23-94)	
Gulfstream Aerospace	G280	5-S-113	42060-001 5-S113	70 (3-5-14)	
Hiller Aviation	FH-1100	CA 10N	15890-003 19-10H120	1 (05-23-94)	
Hiller Aviation	FH-1100	CA 4	24382-012 19-24M220	1 (05-23-94)	

5.0 MARATHON FAA/PMA APPROVED BATTERIES AS OF 4/27/2015

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MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
Israel Aircraft Industries	1124	CA 400A	29327-002 20-40H100	1 (05-23-94)	
Israel Aircraft Industries	WW 1125 Astra & Astra SPX	ATSP-900L-1	32348-001 20- 24SP100	22 (11-12-99)	
Israel Aircraft Industries	1121, 1121A, 1121B, 1123, 1124, 1124A	20-S113 Modular	38451-004 20-S- 113	22 (11-12-99)	
Israel Aircraft Industries	WW 1125 Astra & Astra SPX	5-S113 Modular	42060-001 5-S- 113	22 (11-12-99)	
Jetstream Aircraft (British Aerospace)	3101, 3201	BTCA 5-20	29094-002 20- 36H120	5R (08-21-95)	
Jetstream Aircraft (British Aerospace)	3101, 3201	BTCA 9-20A	30250-001 20- 24H120	5R (08-21-95)	
Jetstream Aircraft (British Aerospace)	3101, 3201	BTSP 400	30441-001 20- 40SP100	5R (08-21-95)	Alternate Marathon BTCA 5-20
Jetstream Aircraft	3101 and 3201 Series	M ³ -44-15	32890-001 19-44M ³ 120	41 (11-14-2001)	Alternate to BTSP-400
Jetstream Aircraft (British Aerospace)	4101	TSP 281	31923-002 20- 28SP100	5R (08-21-95)	
Jetstream Aircraft (British Aerospace)	4101	TSP 414	31921-002 20- 44SP100	5R (08-21-95)	
Learjet	Learjet 60 Series	TSP 4460	32043-001 20- 44SP100	1 (05-23-94)	
Lockheed	1329-25	STCA-162-2	29464-002 20-36H120	1 (05-23-94)	
Lockheed	1329-25	STCA 420-2	29463-002 20-40H100	1 (05-23-94)	
McDonnell Douglas	DC-9 Series	CA 13	27183-001 11- 36H120	1 (05-23-94)	
McDonnell Douglas	DC-9 Series	CA 138	30475-001 11- 38H100	1 (05-23-94)	Licensed from NiCad Systems Replaced GE 43034LB02 & 03
McDonnell Douglas	DC-9 Series	CA 139	30839-001 11- 38H110	1 (05-23-94)	Replaces GE 438034LB02 & 03
McDonnell Douglas	DC-9 Series	CA 139	31282-001 11- 38H110 Kit	1 (05-23-94)	Replaces GE 43034AC14G2 & 05G1
McDonnell Douglas	DC-9 Series, DC-10 Series	CA 154-1	28656-002 19- 15M220	1 (05-23-94)	
McDonnell Douglas	DC 10-10	CA 154-2	28695-001 19- 15M220	1 (05-23-94)	
McDonnell Douglas	DC 8-61, -61F, -63, -63F	CA 54-1	28002-001 19- 5H120	1 (05-23-94)	
McDonnell Douglas	DC-8-61, 61F, 63, 63F, DC-8-54, -55, DC-8-55	CA 54-2	28002-002 19- 5H120	1 (05-23-94)	
McDonnell Douglas	DC-9 Series, DC-10 Series	CA 54-3	27826-002 19- 5H120	1 (05-23-94)	
McDonnell Douglas	DC-9 Series	SP 138	30475-002 11- 38SP100	1 (05-23-94)	Replaces GE 438034LB02 & 03
McDonnell Douglas	DC 10-30,30F,-40,-40F,MD11,11F Series	TCA 52	31433-001 11- 52H120	13(12-10-98)	Replaces Saft 50LB01 and GE 43B050LB01
McDonnell Douglas	DC-10-10, -15, -30, -30F, -40, -40F, MD-10, MD-11, MD-11F SERIES	TCA 52	31433-001 11- 52H120	23 Rev 1 (7/19/2002)	
McDonnell Douglas (Boeing)	MD-90-30, 717-200 SERIES	7-75M ³ 120	32364-001 7-75M ³ 120	24(12-08-99)	Replaces Eldec BA-36-01

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MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
McDonnell Douglas (Hughes)	369 HS S/N 511 thru 780, 369 HM S/N 248 thru 282	TCA 106	29097-001 19-10H120	1 (05-23-94)	McDonnell Douglas P/N 369H4540-BSC
McDonnell Douglas (Hughes)	369 D S/N 3 & Sub., HS 781 & Sub., HM 283 & Sub.	TCA 106-3	29362-002 19-10H120	1 (05-23-94)	McDonnell Douglas P/N 369H4540-503, -507
McDonnell Douglas (Hughes)	369 D, H, HM, HE	TCA 1753	30695-001 20-17H100	1 (05-23-94)	Installation Kit P/N 30620-002, STC SH5495SW Installation Dwg. 30621-002
McDonnell Douglas (Hughes)	369 HS S/N 781S thru 874S	TCA 1753	30695-001 20-17H100	1 (05-23-94)	Installation Kit P/N 30620-001, STC SH5999SW Installation Dwg. 30621-001
McDonnell Douglas (Hughes)	369 HS S/N 001S thru 780S	TCA 1754	30896-001 20-17H100	1 (05-23-94)	Installation Kit P/N 30620-001, STC SH5999SW Installation Dwg. 30621-001
McDonnell Douglas (Hughes)	369 D, H, HM, HE	TSP 1753	30695-002 20-17SP100	1 (05-23-94)	Installation Kit P/N 30620-002, STC SH5495SW Installation Dwg. 30621-002
McDonnell Douglas (Hughes)	369 HS S/N 781S thru 874S	TSP 1753	30695-002 20-17SP100	1 (05-23-94)	Installation Kit P/N 30620-001, STC SH5999SW Installation Dwg. 30621-001
McDonnell Douglas (Hughes)	369 HS S/N 001S thru 780S	TSP 1754	30900-001 20-17SP100	1 (05-23-94)	Installation Kit P/N 30620-001, STC SH5999SW Installation Dwg. 30621-001
McDonnell Douglas (Hughes)	369D S/N 1309 & Sub., E S/N 125 & Sub., F S/N 55 & Sub.	TSP 1755	30949-001 20-17SP100	1 (05-23-94)	McDonnell Douglas P/N 369D296503-3
McDonnell Douglas (Hughes)	369 FF S/N 55 & Sub.	TSP 1755	30949-001 20-17SP100	1 (05-23-94)	McDonnell Douglas P/N 369D296503-7
McDonnell Douglas	369D, H, HM s/n 001 thru 1308, 369HS and 781S thru 874S	M ³ 1753	32766-001 19-17M ³ 100	30 (5-10-2000)	Alternate to TCA-1753, TSP-1753
McDonnell Douglas	369D s/n 1309 and Sub., E s/n125 and Sub., F s/n 55 and Sub., FF s/n and Sub.	M ³ 1755	32761-001 19-17M ³ 100	31 (5-10-2000)	Alternate to TSP-1755
McDonnell Douglas	DC-9 all series	TM ³ -44-4	32794-001 11-44M ³ 120	26 (5-8-2000)	Includes MD-80 per STC.
Mitsubishi (Beech)	MU-2 Series	CA 20H	27990-001 19-20H120	1 (05-23-94)	
Mitsubishi (Beech)	MU-2 Series	CA 21H-1	27515-002 19-20H120	1 (05-23-94)	
Mitsubishi (Beech)	MU-2 Series	CA 5	24535-009 19-36H120	1 (05-23-94)	
Mitsubishi (Beech)	MU2B-25, -26, -26A, -35, -36, -36A, -40, -60	STSP 400	30247-001 20-40SP100	1 (05-23-94)	STC SA00108AT
Mitsubishi (Beech)	MU2B-10, -15, -20, -25, -26, -30, -35, -36	STSP 400	30247-001 20-40SP100	1 (05-23-94)	STC SA00109AT
Piaggio	P-180	GP 180	31055-001 20-38SP100	5R (08-21-95)	
Saab Aircraft	340A, SF340A, 340B	TSP 434	31233-001 20-44SP100	5R (08-21-95)	Replaces Saft 4078-7
Saab Aircraft	340A, SF340A, 340B	M ³ -44-9	32848-001 20-44M ³ 120	20(09-03-99)	Alternate to TSP-434
Saberliner (Rockwell Int'l)	NA 265-40	MA 5	24535-010 19-36H120	1 (05-23-94)	

5.0 MARATHON FAA/PMA APPROVED BATTERIES AS OF 4/27/2015

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MANUFACTURER	MODEL	BATTERY TYPE	PART NUMBER	PMA SUPPLEMENT NUMBER	REMARKS
Saberliner (Rockwell Int'l)	NA 265-40	MA 9	26934-002 19-24H120	1 (05-23-94)	
Saberliner (Rockwell Int'l)	NA 265-65	STCA 400	29423-001 20-40H100	1 (05-23-94)	
Saberliner (Rockwell Int'l)	NA 265-65	STCA 400A	29822-001 20-40H100	1 (05-23-94)	
Short Brothers	SC-7 Series	CA 21H-1	27515-002 19-20H120	1 (05-23-94)	
Short Brothers	SD3-30	KTCA 21H-20	29248-001 20-20H120	1 (05-23-94)	
Sikorsky Aircraft	S-76A Series	CA 176	29487-002 20-17H100	1 (05-23-94)	Sikorsky P/N 76550-03009-104
Sikorsky Aircraft	S-61L, N, R, NM	CA 20H	27990-001 19-20H120	1 (05-23-94)	
Sikorsky Aircraft	S-76A Series	CA 376	29490-001 20-36H120	1 (05-23-94)	Sikorsky P/N 76550-03009-103
Sikorsky Aircraft	S-76B Series	SP 276	31201-001 20-24SP100	1 (05-23-94)	Sikorsky P/N 76550-03009-105
Sikorsky Aircraft	S-76A, S-76C	SP 376L	31999-001 20-44SP100	2 (05-12-95)	Alternate to Marathon CA 376