



**TO: HOLDERS OF THE COMPONENT MAINTENANCE MANUAL SUPPLEMENT
M811456, DATED DEC 15/01 OR LATER.**

REVISION NO. 4 DATED MAR 11/09

HIGHLIGHTS

THIS PUBLICATION HAS BEEN REPRINTED IN ITS ENTIRETY. REPLACE ALL PREVIOUSLY ISSUED COPIES OF SUPPLEMENT M811456.

The highlights of the revision are outlined below. The pages have been revised and maintain the format of ATA 100 and the AECMA Simplified English guidelines.

CHAPTER/SECTION & PAGE NO.	DESCRIPTION OF CHANGE	EFFECTIVITY
All Pages	Added Revision Date	
Page T-2	Revised PMA Parts Notice	
Page RR-1	Added Revision Date	
Page LEP-1	Revised Pages Dates	
Page 1	Removed Weight Check Interval	
Page 2	Added Hydrostatic Testing Criteria	
Page 701,702	Added "Assembly" Pages 701 & 702	
Page 1001	Revised parts call-outs & electrical diagram	
Page 1002	Revised various data specifications	



A Unit of AMERON GLOBAL, INC.

FIRE EXTINGUISHER, TRIPLE OUTLET

98 CUBIC-INCH (1,6 LITER)

P/N M811456

SUPPLEMENT TO
COMPONENT MAINTENANCE MANUAL 26-22-02
TECHNICAL PROPERTIES AND
ILLUSTRATED PARTS LIST

26-22-02

PAGE T-1
DEC 15/01
REV. 4, MAR 11/09
SUPPLEMENT M811456



CONFIDENTIALITY NOTICE

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PMA PARTS NOTICE

MASS Systems, A Unit of Ameron Global, Inc. will provide full warranty on all fire extinguishers provided the component parts used in the repair and overhaul process have formal after market FAA-PMA authority for use on the fire extinguisher application.



LIST OF EFFECTIVE PAGES

SUBJECT	PAGE	DATE
Title Page	T-1	Feb 15/04
Notices	T-2	Mar 11/09
Record of Revisions	RR-1	Mar 11/09
Record of Temporary Revisions	RTR-1	Dec 15/01
Service Bulletin List	SBL-1	Mar 11/09
List of Effective Pages	LEP-1	Mar 11/09
Technical Properties	1	Mar 11/09
	2	Mar 11/09
Assembly (Including Storage)	701	Mar 11/09
	702	Mar 11/09
Special Tools, Fixtures, and Equipment	901	Dec 15/01
Illustrated Parts List	1001	Mar 11/09
	1002	Mar 11/09



TECHNICAL PROPERTIES

Table 1

PROPERTY	SPECIFICATION
Description Part Number Nomenclature Complies with Overall Length Diameter Over Girth Weld	M811456 Fire Extinguisher, Triple Outlet MIL-C-22284 and DOT-E-10440-500 11.15 inch (28,32 cm) maximum 5.81 inch (14,76 cm) maximum
Functional Properties Internal Volume Extinguishing Agent Pressuring Gas	98 cubic-inches (1,6 liter) Halon 1211 Nitrogen (N ₂)
Pressure Data At 70°F (21°C) Charge Pressure Hydrostatic Test Pressure * Burst Pressure Leakage Rate	225 to 250 psig (1551 to 1724 kPag) 1000 psig (6895 kPag) 1500 psig (10343 kPag) minimum 1 X 10 ⁻⁶ scc/sec maximum
Ambient Temperature Range	-40°F to +160°F (-40°C to +71°C)
Weight Data Empty Fire Extinguisher ** Extinguishing Agent (full charge) Nitrogen Charge Charged Fire Extinguisher **	3.50 pounds (1,59 kg) maximum 3.40 to 3.50 pounds (1,54 to 1,59 kg) 0.033 pound (0,015 kg) 7.03 pounds (3,19 kg) maximum
Allowable weight deviation – actual weight versus weight marked on identification plate Charged Fire Extinguisher with Cartridges Cartridge Weight	Minus 0.10 pound (0,05 kg) 7.39 pounds (3,35 kg) maximum 0.12 pound (0,054 kg) maximum each

* The fire extinguisher hydrostatic test interval is every 5 years. If 5 years have not elapsed, hydrostatic test can be waived Per CFR Title 49, section 180.205.

For the aircraft with passenger seating configurations of Nine-Seats or Less the CFR Title 49, section 180.205 applies, per FAA Order 8300-10 (Amended 9-4-02), paragraphs 3.A., B., and C.

For the aircraft with passenger seating configurations of Ten-Seats or More the CFR Title 49, section 180.205 applies, per FAA Order 8300-10 (Amended 9-4-02), paragraphs 3.A., B., and D.

** Weight includes the discharge outlet valves (Item 25).
 Weight does not include the cartridges (Items 5, 10 & 15).



ASSEMBLY (INCLUDING STORAGE)

The Nitrogen gas charge pressure for the actual temperature of the fire extinguisher is listed in Table 701 and Table 702.

Temperature versus Charge Pressure - PSIG
Table 701

TEMP °F	PRESSURE - PSIG		TEMP °F	PRESSURE PSIG	
	MIN	MAX		MIN	MAX
60	217	242	81	239	264
61	218	243	82	240	265
62	219	244	83	241	266
63	220	245	84	242	267
64	221	246	85	244	269
65	222	247	86	245	270
66	223	248	87	246	271
67	224	249	88	247	272
68	225	250	89	249	274
69	226	251	90	250	275
70	227	252	91	251	276
71	228	253	92	253	278
72	229	254	93	254	279
73	230	255	94	255	280
74	231	256	95	257	282
75	232	257	96	258	283
76	233	258	97	260	285
77	234	259	98	261	286
78	236	261	99	262	287
79	237	262	100	264	289
80	238	263			



Temperature versus Charge Pressure - KPAG
Table 702

TEMP °C	PRESSURE - KPAG		TEMP °C	PRESSURE KPAG	
	MIN	MAX		MIN	MAX
15,6	1497	1670	27,2	1648	1820
16,1	1504	1676	27,8	1656	1828
16,7	1511	1683	28,3	1664	1836
17,2	1518	1690	28,9	1672	1844
17,8	1524	1697	29,4	1680	1852
18,3	1531	1703	30,0	1687	1860
18,9	1538	1710	30,6	1697	1869
19,4	1545	1717	31,1	1706	1878
20,0	1551	1724	31,7	1715	1887
20,6	1559	1731	32,2	1724	1896
21,1	1566	1738	32,8	1733	1905
21,7	1573	1745	33,3	1742	1915
22,2	1580	1752	33,9	1751	1924
22,8	1587	1760	34,4	1760	1933
23,3	1594	1767	35,0	1770	1942
23,9	1602	1774	35,6	1780	1952
24,4	1609	1781	36,1	1789	1962
25,0	1616	1788	36,7	1799	1972
25,6	1624	1796	37,2	1809	1982
26,1	1632	1804	37,8	1819	1992
26,7	1640	1812			



SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

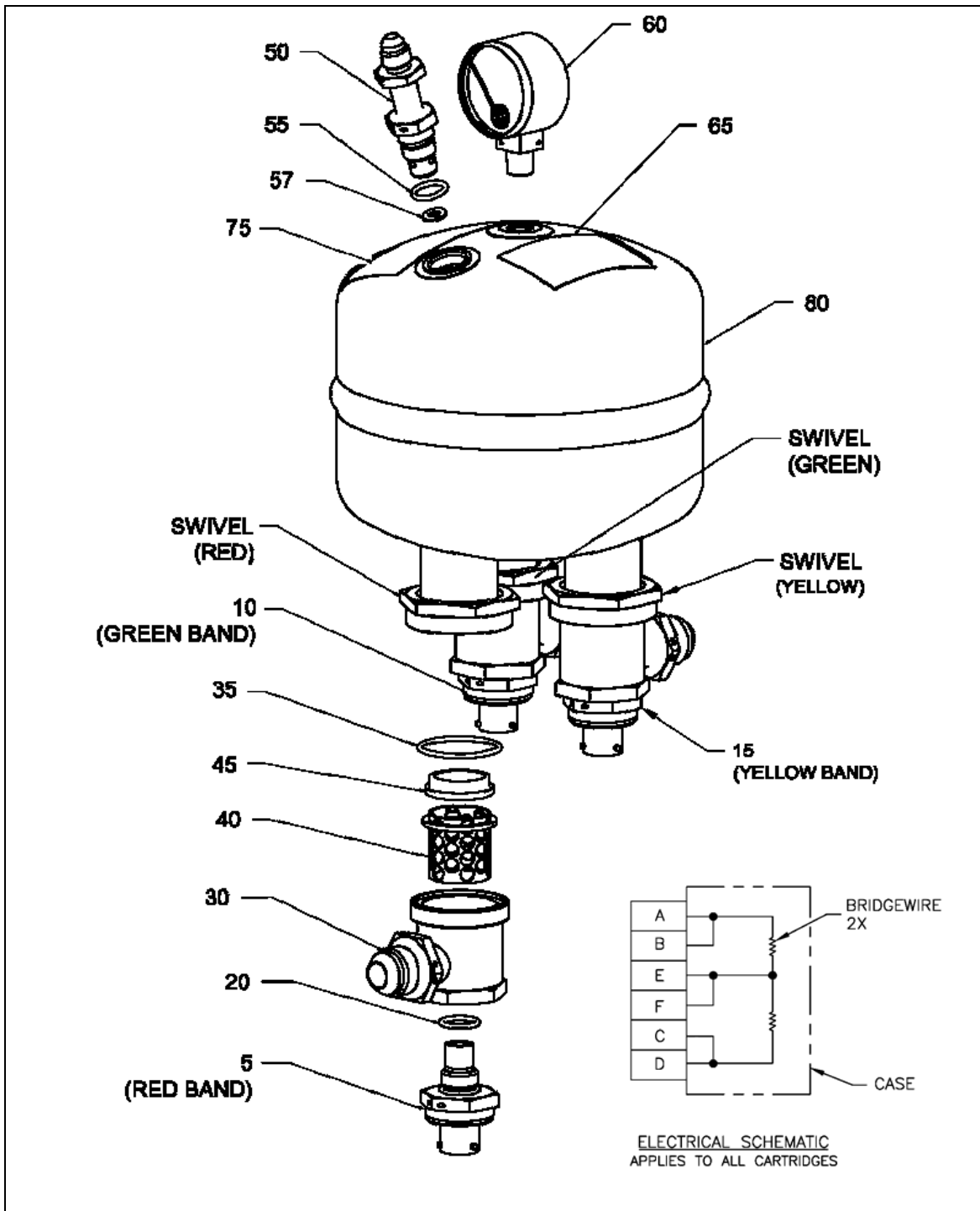
Special tools, fixtures, and test equipment required for maintenance of the fire extinguisher are listed in Table 901. Equivalent items may be substituted.

**Special Tools, Fixtures, and Equipment
Table 901**

NOMENCLATURE	PART OR SPECIFICATION NUMBER	SOURCE (CAGE)
Cap, Hydrostatic Test, Discharge Boss	91021-100	MASS Systems, A Unit of Ameron Global, Inc. (0FRR4)
Cradle, Fire Extinguisher	91033-100	
Resurfacing Tool, Discharge Boss	91044-1	
Safety Chamber, Cartridge	91035-2	MASS Systems, A Unit of Ameron Global, Inc. (0FRR4)



ILLUSTRATED PARTS LIST



Fire Extinguisher Exploded View
IPL Figure 1001

26-22-02



ILLUSTRATED PARTS LIST

Fire Extinguisher P/N M811456 IPL Table 1001

FIG. ITEM NO.	PART NUMBER	AIRLINE PART NO.	NOMENCLATURE							EFF	UNITS PER ASSY
			1	2	3	4	5	6	7		
1 -1	M811456		FIRE EXTINGUISHER, 98-CUBIC INCH								RF
5	30600-41		.	CARTRIDGE (RED BAND)							1
10	30600-42		.	CARTRIDGE (GREEN BAND)							1
15	30600-43		.	CARTRIDGE (YELLOW BAND)							1
20	NAS1612-6		.	.	O-RING (SU01254-6)						3
-25	SU00950-1		.	.	TAG, CARTRIDGE						3
30	52320-1		.	OUTLET, DISCHARGE							3
35	MS29513-026		.	O-RING (SU01251-26)							3
40	22740-1		.	SCREEN WELDMENT							3
45	M33440018-8		.	DISC, RUPTURE							3
50	52330-2		.	FILLER VALVE WITH SAFETY RELIEF							1
55	MS28775-013		.	.	O-RING (SU01251-13)						1
57	20432-3		.	.	SEAL, COPPER						1
60	14800-1		.	GAUGE, PRESSURE							1
65	52315-1		.	PLATE, DATA							1
70	DELETED		.	DELETED							1
75	52314-1		.	PLATE, IDENTIFICATION							1
80	52310-1		.	WELDMENT, CONTAINER							1

- Item not illustrated