MASS SYSTEMS, INC.
SERVICE INFORMATION LETTER

TO: HOLDERS OF THE SOLID STATE TEMPERATURE COMPENSATED PRESSURE SWITCH SERVICE INFORMATION LETTER 26-03, DATED JAN 15/99.

REVISION NO. 1 DATED APR 30/99

HIGHLIGHTS

THIS PUBLICATION HAS BEEN REPRINTED IN ITS ENTIRETY. REPLACE ALL PREVIOUSLY ISSUED COPIES OF THE SERVICE INFORMATION LETTER.

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

Chapter/Section and Page No.	Description of Change	Effectivity
Page 1	Revised Technical Properties, added statement "replacement for Pacific Scientific CompanyP/N 35071500)	All models
Page 2	Revised Test Parameters paragraph, added statement "The solid state temperature compensated pressure switch is not repairable. Refer to Removal Procedure, if required."	All models

SERVICE INFORMATION LETTER 26-03

SCOPE

This Service Information Letter covers the Solid State Temperature Compensated Pressure Switch (SSTCPS) manufactured by MASS Systems, Inc.

TECHNICAL PROPERTIES

PROPERTY	SPECIFICATION
Description	
Part No.	M35071500
Nomenclature	Solid State Temperature Compensated Pressure Switch (SSTCPS) (replacement for Pacific Scientific Company P/N 35071500)
Temperature Properties	
Temperature Range	-65ºF to +160ºF (-54ºC to +71ºC)
Pressure Switch Properties	
Switch Operation – Pressurized	Normally Open – N.O.
Switch Actuates, Decreasing Pressure	306- to 270-pgig at 70°F (2110 to 1862 kPag at 21°C)
Connector Mates With	MS24266R10T5S (BACC45FS10-5S)

INTRODUCTION

The Solid State Temperature Compensated Pressure Switch (SSTCPS) is FAA - PMA approved (by test and computation) replacement for Pacific Scientific Company's mechanical temperature compensated pressure switch (TCPS).

HYDROSTATIC TEST OF CONTAINER WELDMENT

Removal of the Solid State Temperature Compensated Pressure Switch for hydrostatic test is not required. The Solid State Temperature Compensated Pressure Switch can remain installed in the container weldment for the life of the container weldment.

REMOVAL PROCEDURE

If removal of the solid state temperature compensated pressure switch is required, refer to the appropriate Component Maintenance Manual for the fire extinguisher for the disassembly procedure (Section 3). Also, refer to the MASS Systems, Inc., Component Maintenance Manual 26-22-02.

INSTALLATION PROCEDURE

For the assembly and welding schedule refer to the appropriate Component Maintenance Manual for the fire extinguisher for the assembly procedure (Section 7). Also, refer to the MASS Systems, Inc., Component Maintenance Manual 26-22-02.

TEST PARAMETERS

Refer to Table 1 for the testing parameters of the solid state temperature compensated pressure switch. Test the Normally Open solid state temperature compensated pressure switch to compare the temperature versus pressure requirements. **The solid state temperature compensated pressure switch is not repairable.** Refer to Removal Procedure, if required.

STORAGE

The storage temperature is +40ºF to +100ºF (+4ºC to +38ºC).

LIFE LIMIT

The solid state temperature compensated pressure switch has unlimited life.

Temperature Versus Pressure For P/N M35071500
Table 1

TEMP °F	PRESSURE – PSIG MIN	PRESSURE – PSIG MAX	TEMP °C	PRESSURE – KPAG MIN	PRESSURE – KPAG MAX
60	247	280	15,5	1703	1931
62	252	285	16,6	1735	1967
64	256	290	17,8	1767	2002
66	261	296	18,9	1798	2038
68	265	301	20,0	1830	2074
70	270	306	21,1	1862	2110
72	275	312	22,2	1896	2149
74	280	317	23,3	1931	2187
76	285	323	24,4	1965	2226
78	290	328	25,6	2000	2264
80	295	334	26,7	2034	2303
82	301	340	27,8	2073	2346
84	306	347	28,9	2111	2390
86	312	353	30,0	2150	2433
88	317	359	31,1	2189	2477
90	323	366	32,2	2227	2520
92	329	372	33,3	2266	2564
94	334	379	34,4	2304	2612
96	340	384	35,6	2343	2650
98	345	391	36,7	2382	2694
100	351	397	37,8	2420	2737

NOTE: If the measured temperature is not in the table, use the higher temperature listed to determine the required pressure.