

DEPARTMENT OF THE ARMY SUPPLY BULLETIN
DEPARTMENT OF THE AIR FORCE TECHNICAL ORDER

CHEMICAL-BIOLOGICAL CANISTERS
AND FILTER ELEMENTS:
SERVICEABILITY LISTS

Departments of the Army and the Air Force, Washington, DC
21 November 1984

	Paragraph	Page
SECTION I. INTRODUCTION		
Purpose	1	2
References	2	2
Scope	3	2
General	4	2
Procedure	5	3
Disposition	6	3
Reporting of Equipment Publication and Improvements	7	3
II SERVICEABILITY LISTS		
List 1 Canister, CB Mask: M10A1 (NSN 4240-00-127-7186)		
List 2 Canister, CB Mask M11 (NSN 4240-00-112-9365) (Component or Repair Part for Mask, CB: Special Purpose M9 and M9A1)		
List 3 Filter Element M13 (NSN 4240-00-678-8474) (Component or Repair Part for Mask, CB: Field ABC-M17, Mask, CB: Field, M17A1 and Mask CB: Field M17A2)		
List 4 Filter Element, M13A1 (Black Connector NSN 4240-00-934-7854; Gold Connector NSN 4240-00-152-1607) (Component or Repair Part for CR Field ABC-M17, Mask, CB: Field, M17A1 and Mask, CB Field, M17A2)		
List 5 Filter Elements M13A2 (NSN 4240-00-165-5026 (Component or Repair Part for Mask, CB: Field, ABC-M17, Mask CB: Field, M17A1 and Mask, CB: Field, M17A2)		

*This Bulletin supersedes SB 3-30-2, 12 March 1982.

SECTION I INTRODUCTION

1. Purpose. This bulletin provides a serviceability evaluation of lots of protective mask canisters and filter elements based on special tests as defined in the applicable appendix of SB 740-94-5. Service-

ability is based on canisters and falter elements in their original pack, hermetically sealed or mounted on masks in their original sealed pack.

2. References.

AR740-1	Storage and Supply Activity Operations
SB740-94-5	Storage Serviceability Standard Masks, Chemical-Biological (All Types) and Ancillary Items
TM 3-4240-204-12&P	Operator's and Organizational Maintenance Manual Including Repair Parts and Special Tools List; Mask, Chemical-Biological: Special Purpose M9/M9A1 and Accessories
TM 3-4240-280-23&P	Organizational and Direct Support Maintenance Manual Including Repair Parts and Special Tools Lists; Mask, Chemical-Biological: Aircraft, ABC-M24 and Accessories, and Mask Chemical-Biological Tank M25/M25A1 and Accessories
TM 3-4240-279-10	Operators Manual: Mask, Chemical-Biological: Field, ABC M17/M17A1/M17A2 and Accessories
TM 3-4240-279-20&P	Organizational Maintenance Manual Including Repair Parts and Special Tool List: Mask, Chemical-Biological: Field, ABC-M17/M17A1/M17A2 and Accessories
TM 38-750	The Army Maintenance Management Systems (TAMMS)
*TO 14P4-3-31 (AF)	Mask, Protective, Special Purpose, M9A1
*TO 14P4-941 (AF)	Mask, Protective, Field, M17/M17A1/M17A2
*TO 14P4-13-1 (AF)	Mask, Protective, Aircraft, M24

*Air Force technical orders may be obtained from Warner Robins Air Logistics Center (AFLC), ATTN: WRALC-MMEDTA, Robins Air Force Base, GA 31098

3. Scope. a. The provisions and serviceability lists of this publication are applicable to all elements of the Departments of the Army and the Air Force, including oversea commands. All active duty units must have serviceable canisters or falter elements installed on their masks issued for use.

Exception: Canisters and filter elements installed on or in protective masks in the hands of basic combat trainees, Army National Guard and United States Army Reserve units (except those in a readiness posture, including RDF units and high priority units) are exempt from the provisions of this bulletin so long as they meet the operator preventative maintenance checks and services cited in the applicable manuals.

b. The results of canister and filter element functioning tests (see the applicable appendix of SB 740-94-5) may affect the final serviceability of the protective masks assembled with the tested lots. A determination, thru testing, that a lot is unserviceable overrides any contrary determination based solely on visual examination.

4. General. a. *Serviceability* evaluations will be made both for canisters and falter elements in their original hermetically sealed pack and for canisters mounted on masks in their original hermetically sealed pack. These evaluations will include special canister or falter element tests defined in the applicable appendix of SB 740-94-5. Masks which contain canisters or falter elements which have been determined to be unserviceable are also unserviceable until the canisters or filter elements have been replaced and the mask has met all serviceability test requirements contained in the applicable appendix of SB 740-94-5.

b. The serviceability determinations, based on special canister and falter element tests cited above, are listed in Section II and will be updated by electronically transmitted interim notices quarterly. These determinations will reflect accumulated information derived from successive test cycles of sample masks and/or canisters or falter elements available for test.

c. Serviceability lists are effective until superseded.

d. Materiel less than three years of age will be considered serviceable provided it meets the visual inspection criteria of SB 740-94-5.

e. Determinations of "Serviceable" and "Unserviceable" within the context of the bulletin and attendant lists apply to the canister or filter element only.

f. M13, M13A1, and M13A2 Filter Elements may be visually identified by the color of the connector as follows:

Model No.	NSN	Color
M13	4240-67S-6474	Black
M13A1	4240-00-934-7854	Black
M13A1	4240-00-152-1607	Gold
M13A2	4240-00-165-5026	Green

The M13A2 Filter Element is the only one of the above filter elements authorized for use against toxic agents and in riot control situations, if its lot number is listed as serviceable in Section 11. Any alteration to an M13U falter element (such as painting the connector) will result in the falter element being used for training purposes only. The M13 and M13A1 falter elements are authorized for training purposes only.

5. Procedure. a. Listed Lots.

(1) Identify the lot numbers of canisters and filter elements. The lot number is either embossed or stamped on the canister or falter element. A canister or falter element intended as a repair part or packed with the protective mask may be identified from the markings on the hermetically sealed package/container.

(2) Consult current serviceability lists in this SB and updates.

(3) Report unserviceable canisters and falter elements in accordance with paragraph 6. If a canister or falter element installed on a mask is listed as "unserviceable" the mask is considered unserviceable until a serviceable canister or falter element is installed.

(4) If a lot is listed as "Serviceable" previous determination of serviceability of protective mask and/or canister or falter element lot in accordance with SB 740-94 -5/T. 0.'s remains unchanged.

b. *Unlisted Lotsi.* If a lot is less than three years old and it meets the visual inspection criteria of the applicable appendix of SB 740-94-5, the lot is "Serviceable". If the material is over three years old and the lot number does not appear on the appropriate serviceability list, the following procedure will be followed:

(1) Perform only a visual examination of canister or falter element in accordance with the applicable appendix of SB 740-94-5. For canisters or filter elements packed in hermetically sealed cans or barrier bags, perform a visual inspection on

the container only, unless the condition of the container indicates that storage stability of the item may be affected.

(2) Report by lot number and quantity on hand of each lot to Commander, US Army Armament Munitions and Chemical Command, ATTN: DRSMC-QAF-C (R), Rock Island, IL 61299. User activities will report by letter requesting evaluation and disposition. Depots and other installations will report by completing DA Form 984 (Munitions Surveillance Report) using the method for recording results as prescribed in SB 740-94-5. The right side of the title block on DD Form 984 will be annotated "For evaluation, SB 330-2". The address of the reporting agency will be placed conspicuously on the reports.

(3) Materiel will be restricted for training only pending receipt of final evaluation.

(4) Final evaluation will be provided by HQ, AMCCOM, DRSMC-QAF-C (R) to the reporting activity along with disposition instructions as appropriate. For Air Force Activities, information copies of evaluations will be forwarded to Warner Robins Air Logistics Center (AFLC), ATTN: WRALC-MMTRDC, Robins Air Force Base, GA 31098.

(5) If no evaluation can be made from available records, surveillance samples will be requested for test and evaluation. Disposition instructions will then be provided after evaluation of samples.

6. Disposition. a. Material determined to be "Serviceable", when evaluated in accordance with this bulletin, may be declared serviceable and placed in stock for normal issue. The recommended supply practice is to issue lot fragments at the earliest possible time.

b. For those items listed as "Unserviceable", in this supply bulletin, the reporting activity will request disposition from Commander, US Army Armament Munitions and Chemical Command, ATTN: DRSMC-MMN-C (R), routing identifier B14, Rock Island, IL 61299. Air Force activities will dispose of unserviceable falter elements and canisters in accordance with Manual DOD 4160.2M.

7. Reporting of Equipment Publication Improvements. Reporting of errors, omissions, and recommendations for improving this publication by the individual is encouraged. Reports should be submitted on DA Form 2026 (Recommended Changes to Publications and Blank Forms) and mailed direct to Commander, US Army Armament Munitions and Chemical Command, ATTN: DRSMC+QAF-C (R), Rock Island, IL 61299. Air Force activities will submit AFTO Form 22 per TO 00-5-1.

SECTION II SERVICEABILITY LISTS

List 1. Canister, CB Mask: MIOA1 (NSN 424040-127-7186)

Serviceable Lots		Unserviceable Lots
BFG 24-4-4A	<i>Reevaluation Due Date</i>	BFG 2-5-1 BFG 2-5-3 thru -4 BFG 3-5-1 thru -2 BFG 3-5-4 thru -6 BFG 9-4-2 BFG 9-4-5A BFG 12-4-5 BFG 15-4-7 BFG 16- 4-3 thru A BFG 16-4-8 BFG 16-4-10 BFG 17-4-8 BFG 18-4-2 BFG 18-4-6 thru -10 BFG 19-4-1 thru -10 BFG 20-4-1 thru 4 BFG 20-4-6 BFG 20-4-8 thru -9 BFG 21-4-2 BFG 21-4-4 thru -6 BFG 21-4-8 BFG 22-4-7A BFG 22-4-9 BFG 23-4-1 BFG 23-4-2A thru 3A BFG-23-4-5 thru-6 BFG 25-4-7 BFG 26-4-7 BFG 28-4-4 BFG 29-4-1 BFG 81-4-4 BFG 40-4-10 FT 12-4-3 FT 13-5-2 FT16-4-thru-4 FT 19-6-9 FT 23-5-1 JJ 2-5-5 JJ 8-5-4A JJ 16-5-5 JJ 22-4-4 JJ 24-4-3 thru -4 JJ 29-44 JJ 34-4-6 JJ 35-4-2 JJ 35-4-5 JJ39-4-4thru-5 KT 10-4-1A KT 10-4-2 KT 10-4-5 KT 11-4-1 thru -5 KT 11-4-3A KT 12-4-1 thru -2

List 1. Canister, CB Mask M10A1(NSN 4240-00-127-7186) -Continued

Serviceable Lots		Unserviceable Lots
MSA 1-1 thru 4 MSA 2 Series	Indefinitely Indefinitely	KT 12-4-5 thru -6 KT 13-4-1 thru -2 PR 7-4-6 PR 10-4 PR 11 -4-I PR 15-4-1 PR 16-4 thru -6 PR 23-44 PR 23-4-5 PR 24-4-1 thru -2 PR 28-4-4 PR 2W-6 PR 30-4-1 thru 4 PR 32-4-5 PR 34-4-2 PR 38-4-1 PR 39-4-1 thru -6 PR 40-4-4 PR 41-4-2 thru -3 PR 41-4-5 PR 42-4-4 PR 42-4-4 PR 43-4-1 thru -2 PR 43-4-6 thru -7 PB 44-4-1 PR 44-4-5 PRC 4-4-6A PRC 64-4A PRC 3-4-6 PRC 23-4-4 PRC 23-4-6 PRC 29-4-1 PRC 29-4-8 PRC 30-4-2 SC 5-4-3 thru 4 SC 5-4-6 thru -6 SC 15-5-1A SC 21-44A SC 29-4-3 SC 31-4-4 SC 31-4-7 thru -10 SC 3-24-2A Sc 34-4-1 SC 34-4-4A Sc 34-4-9 Sc 36-4-2A SC 41-4-6A

SB 3-30-2
 TO 14P4-1-151

List 2. Canister, CB Mask M11(NSN 424040-112-9365) (Component or
 Repair Part For Mask, CB: Special Purpose M9 and M9AU

Serviceable Lots	Reevaluation Due Date	Unserviceable Lots
MSA 2 Series	Indefinitely	BFG 2-5-3 thru -5 BFG 3-5-1 thru -5 BFG 4-5-1 thru -2 BFG 39-4-4 BFG 40-3-4 BFG 40-4-3 BFG 42-4-3 thru 4 BFG 46-4-3 BFG 47-4-4 BFG 48-4-1 thru -4 BFG 49-4-1 thru -3 BFG 52-4-1 BS 280-37 BS 280-39 BS 280-45 thru 46 BS 280-51 BS 405-1 thru 18 FTS BS 5458-14 thru -17 BS 8000-14 thru -85 BS 11013-3 thru -18 BS 11013-25 thru -93 BS 11032-2 BS 11032-59 thru -60 BS 11032-75 BS 11059-13 thru -26 BS 11059-28 BS 11059-40 BS 11138-5 thru -7 BS 11140-17 CH 11015-8416 thru -28 CH 110574404 CH 110574407 thru 4408 EA 1-1 EA 2-3 EA 4982-1 thru MIXED EA 4995-1 thru 4 EA 25131-4 thru MIXED EA 25306-1 thru MIXED EA 25397-1 thru 30 FT41-4-1 thru 3 NY 11016-8506 NY 11058-8506

List 3. Filter Element, M13(NSN 4240-00-678-8474) (Component or Repair Part for Mask, CB:Field, ABC-M17, Mask, CB:Field, M17A1 and Mask, CB:Field, M17A2)

All M13 Falter Elements are to be used for training purposes only.

List 4. Filter Element, M13A1, (Black ConnectorXSN 424040-934-7854; Gold Connector NSN 424040152-1607) (Component or Repair Part For Mask, CB:Field, ABC-M17, Mask, CB:Field, M17A1 and Mask, CB:Field, M17A2)

All M13A1 Filter Elements (black or gold connectors) are to be used for training purposes only.

List 5. Filter Element, M13A2(NSN 4240-00-165-5026) (Component or Repair Part For Mask, CB:Field, ABC-M17, Mask, CB:Field, M17A1 and Mask, CB:Field, M17A2)

Servicable Lots	Reevaluation Due Date	Unserviceable Lots
MSA 3-70 thru -114	Indefinite	MSA 3-1 thru -69
MSA 3-116 thru -159	Indefinite	MSA 3-115
MSA 3-161 thru -205	Indefinite	MSA 3-160
MSA 3-207 thru -210	Indefinite	MSA 3-206
MSA 3-214 thru -361	Indefinite	MSA 3-211 thru -213
MSA 3-992 thru -993	Indefinite	
MSA 3-995 thru -999	Indefinite	
MSA 4-1 thru -181	Indefinite	
MSA 5-1 thru -7	Indefinite	
MSA 6-4 thru -18	Indefinite	
MSA 7-1 thru 46	Indefinite	

SB 3-30-2
To 14P4-1-151

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, *United States Army*
Chief of Staff

Official:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

CHARLES A. GABRIEL, *General USAF*
Chief of Staff

Official:

JAMES P. MULLINS
General, USAF, Commander, Air Force
Logistics command

Distribution:

To be distributed in accordance with DA Form 12%4 requirements for SB 3 Series: Chemical Material Serviceability Standards.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN...JOT DOWN THE
DOPE ABOUT IT ON THIS FORM.
CAREFULLY TEAR IT OUT, FOLD IT
AND DROP IT IN THE MAIL.

SOMETHING WRONG WITH PUBLICATION

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT PIN-POINT WHERE IT IS

PAGE
NO.

PARA-
GRAPH

FIGURE
NO.

TABLE
NO.

IN THIS SPACE, TELL WHAT IS WRONG
AND WHAT SHOULD BE DONE ABOUT IT.

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

THE METRIC SYSTEM AND EQUIVALENTS

WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



PIN: 022666-000