

3 MAR 77 18 312

031637Z
march 1977
GEN-77-6

Battery water

RTTUZEXW RULNNA02617 0621658-UUUU--RUXMDTA.

ZNR UUUUU

R 031637Z MAR 77 ZEX

FM MGR ARNG-OAC EDGEWOOD MD//NGB-AVN-L//

ARMY

TO AIG 7401

INFO RUEDBIA/CDR ECOM FT MONMOUTH NJ//DRSEL-MA-DT//

RUWTFPA/CDR USAAVSCOM STL MO//DRSAV-FEG//

RUEFHQA/CNGB WASH DC//NGB-ARL-A//

BT

UNCLAS

SUBJ - CDR USAAVSCOM MAINT ADVISORY MSG (GEN-77-6)

A. FONECON, MAJ LINDSAY, ARNG-OAC, AND MR. LUKER, DRSAV-FEG,

3 MAR 77.

1. SUBJ MSG IS BEING RETRANSMITTED BY ARNG-OAC UNDER DTG 031638Z

MR 77.

2. THIS RETRANSMITTAL IS A COMPOSITE OF ECOM MSG DTG 261800Z JAN 77 AND 231400Z FEB 77. ARNG-OAC MSG DTG 292216Z JAN 77, SUBJ - USE OF BTRY WATER, NSN 6810-00-297-9540, DIRECTED THAT SUSPECT BTRY SHOULD NOT BE DECLARED UNSERVICEABLE PENDING RECEIPT OF FORTHCOMING ECOM MSG CONTAINING TESTING PROCEDURES FOR BTRY SERVICED W REF WATER.

THE MSG REF IN PARA 1 ABOVE DOES NOT SUPSD THE 25 JAN 77 ARNG-OAC MSG WHICH REMAINS IN EFFECT PENDING RECEIPT OF FORTHCOMING ECOM MSG.

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0617

18

NNNN

17 Mar 77 15 59z

171433Z
March 1977
Battery water
that is really
acid

RTTUZEXM RULNNAC8782 8761523Z UNCLAS RUKMDTA:
ZNR UUUUU
R 171433Z MAR 77 ZEX
FM ARNS CAC EDGEWOOD MD //NSB-AVN-C//
TO AIG 7481
INFO RUEFHQA/CNGB WASHDC //NSB-AR//
R 162800Z MAR 77 ZEX
FM ODR USAAVSOOM STL MO //DRS-AV-PEO//
TO AIG 8881

BT
UNCLAS
NOTE OCN THIS IS A MAINTENANCE ADVISORY MESSAGE AND HAS NOT, REPEAT
HAS NOT, BEEN TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSEES.
ADDRESSEES ARE RESPONSIBLE FOR DISSEMINATION OF MESSAGE TO ALL
SUBORDINATE UNITS, ACTIVITIES, ELEMENTS, OR FOREIGN USERS AFFECTED
OR CONCERNED. RETRANSMITTAL SHALL REFERENCE THIS MESSAGE.
SUBJECT OCN MAINTENANCE ADVISORY MESSAGE ON BATTERY WATER,
NSN 6818-28-297-9542 (OEN-77-8)

1. THIS IS A RETRANSMITTAL OF ECOM MESSAGE 121700Z MAR 77,
MESSAGE 121700Z MAR 77 IS AS FOLLOWS OCN
SUBJECT OCN BATTERY WATER NSN 6818-28-297-9542
A. ECOM DRSEL=MA-DT 261800Z JAN 77
B. ECOM DRSEL=MA-DT 231400Z FEB 77

PAGE TWO RULNNAC8782 UNCLAS

1. PURPOSE OCN ADDITIONAL INFORMATION REGARDING SUBJECT BATTERY WATER;
2. BATTERY WATER WHICH REF A INDICATED AS BEING UNUSEABLE WAS SUPPLIED UNDER THE FOLLOWING CONTRACT NO. AND SUPPLIER OCN
DSA CONTRACT NO. 488-76-C-3893
SCHOLLE CORPORATION
NORTHLAKE, IL LOT NO. 2
THIS BATTERY WATER IS DEFINITELY ACID AND WILL DESTROY THE PLATES IF IT COMES IN DIRECT CONTACT WITH THEM; DAMAGE THE SEPARATOR ALSO AND THUS RESULT IN CELL DAMAGE WHICH IS IRREPARABLE; BASED ON THIS, REF A AND B WERE ISSUED.
3. ECOM NOW FINDS THAT DSA CONTRACTS NO. DSA-488-72-D-8229 LOT NO. 2A AND DSA-488-73-D-8256 LOT NO. 6 WERE SUPPLIED BY GANFIELD CHEMICAL CO. THESE TWO LOTS HAVE BEEN USED WITH NO APPARENT DETRIMENTAL EFFECT.
4. BECAUSE OF THE EXTENSIVE USE OF SUBJECT BATTERY WATER IN CIRCUIT OF DISTILLED OR DEIONIZED WATER, THE FOLLOWING INSTRUCTIONS ARE TO BE FOLLOWED PRIOR TO DISPOSING OF ANY CELLS.
A. TEST EACH BOTTLE OF BATTERY WATER WITH BLUE LITMUS PAPER;
B. AVAILABLE: IF THE LITMUS TURNS RED, THE WATER IS DEFINITELY ACID;

PAGE THREE RULNNA00782 UNCLAS

IF IT STAYS BUFLUE, ITS NOT ACID.

B. IF A ABOVE IS NOT AVAILABLE, HAVE A SAMPLE CHECKED WITH LOCAL CHEMICAL LABORATORY, ENVIRONMENTAL LAB OR EVEN LOCAL HIGH SCHOOL LAB.

C. IF BATTERY WATER IS NOT ACID, AND 100 FLYING HOUR OR 120 DAY CAPACITY CHECKS HAVE NOT REVEALED ANY ABNORMAL CONDITION, BATTERIES ARE PROBABLY SERVICEABLE AND ONLY ROUTINE MAINTENANCE IS REQUIRED.

D. IF BATTERY WATER IS ACID, ALL BATTERIES THAT HAVE HAD ELECTROLYTE ADJUSTMENT MADE SINCE THE LAST CAPACITY CHECK SHOULD BE REMOVED FROM THE AIRCRAFT AND SUBJECTED TO A CAPACITY CHECK. INDIVIDUAL CELL VOLTAGE SHOULD BE READ DURING DISCHARGE, PARTICULARLY JUST BEFORE THE END OF THE DISCHARGE CYCLE. ALL CELLS BELOW 1.8 VOLT SHOULD BE REPLACED. THIS PROCEDURE IS IDENTICAL WITH PERFORMANCE TEST (PARA G) PAGE 3-3 TM 11-6148-203-15-2.

E. ANY SUPPLY OF SUBJECT BATTERY WATER WHICH IS ACID MUST NOT BE USED. DISPOSE OF IMMEDIATELY IN ACCORDANCE WITH EXISTING REGULATIONS. SUBJECT BATTERY WATER THAT IS NOT ACID SHOULD BE REPLACED AS SOON AS POSSIBLE.

F. THE ONLY WATER AUTHORIZED FOR ELECTROLYTE ADJUSTMENT IS STILLER OR DEIONIZED WATER SUPPLIED BY DSA (S90) UNDER NSN 6810-

PAGE FOUR RULNNA00782 UNCLAS

00-682-6867 {1 GAL}, NSN 6810-00-107-1512 {5 GALS} OR NSN 6870-00-336-4936 {5 GALS}.

S. POC IS MR. GEORGE BORCHERT, DRSELMA-TA. AUTOVON 992-4693."

NOTE

REFERENCES A, AND B, IN THE ABOVE ECOM MESSAGE WERE TRANSMITTED UNDER AVS00M13 MESSAGE; SUBJECT OLN MAINTENANCE ADVISORY MESSAGE ON BATTERY WATER; NSN 6810-00-297-9540 (GEN 77-6).

BT

#0782

NNNN

3 Mar 77 19 29z

ZEXH RULNNA02618 0621698-UUUU--RUHMDTA,
UUUUU

031638Z MAR 77 ZEX

ARRNG-OAC EDGEWOOD MD //NGB-AVN-L//

O 7481

INFO RUEFHQA/CNGB WASH DC //CNGB-ARL-A//

R 022038Z MAR 77

FM ODR USAAVSQOM STL NO//DRSAV-FEG//

TO AIG 8881

BT

UNCLAS

NOTE - THIS MESSAGE HAS NOT, REPEAT HAS NOT, BEEN TRANSMITTED TO
UNITS SUBORDINATE TO ADDRESSES, ADDRESSES ARE RESPONSIBLE FOR
DISSEMINATION OF MESSAGE TO ALL SUBORDINATE UNITS, ACTIVITIES,
ELEMENTS, OR FOREIGN USERS AFFECTED OR CONCERNED, RETRANSMITTAL
SHALL REFERENCE THIS MESSAGE,

SUBJ - MAINTENANCE ADVISORY MESSAGE ON BATTERY WATER;

NSN 6810-20-297-9540 (G8N-77-6)

1. THIS IS A RETRANSMITTAL OF ECOM MESSAGES CLN 261800Z, JAN 77,
DRSEL-MA-DT, SUBJECT SAME AS ABOVE, AND 231400Z, FEB 77, DRSEL-MA-DT,
SUBJECT SAME AS ABOVE,

2. MESSAGE 261800Z JAN 77 IS AS FOLLOWS CLN

PAGE 2 RULNNA02618 UNCLAS

"1. PURPOSE OF THIS MESSAGE CLN TO ADVISE ALL NICKEL-CADMIUM
BATTERY SHOPS OF AVAILABILITY ON NON-USEABLE BATTERY WATER.

2. THERE ARE LISTED BY DSA TWO DIFFERENT TYPES OF WATER FOR
ADJUSTING BATTERY ELECTROLYTE LEVEL, DISTILLED OR IONIZED WATER,
NSN 6810-20-682-6867 IS SUITABLE FOR ALL BATERIES AND CAN BE
USED, DSA ALSO LISTS BATTERY WATER, NSN 6810-20-297-9540 WHICH IS
ONLY, REPEAT ONLY, SUITABLE FOR USE IN LEAD ACID BATTERIES, USE OF
NSN 6180-20-297-9540 BATTERY WATER IN A NICKEL-CADMIUM BATTERY WILL
DESTROY THE PLATE STRUCTURE AND REQUIRE REPLACEMENT OF THE COMPLETE
BATTERY, DSA HAS ACKNOWLEDGED THE CONFUSION AND WILL MARK THE BATTERY
WATER FOR LEAD ACID BATTERIES ONLY IN FUTURE PROCUREMENTS.

3. FOR NICKEL-CADMIUM BATTERIES IT IS MANDATORY THAT ONLY
DISTILLED OR DEIONIZED WATER, NSN 6810-20-682-6867, BE USED TO ADJUST
THE ELECTROLYTE LEVEL.

4. POC IS MR, GEORGE BORCHER, DRSEL-MA-TA, AUTOVON 992-4693."

3. MESSAGE 231400Z IS AS FOLLOWS CLN

"A. MESSAGE 261800Z JAN 77

1. PURPOSE CLN CLARIFY REFERENCE A.

2. ALL NICKEL CADMIUM BATTERIES AND CELLS WHICH HAVE HAD THE
ELECTROLYTE ADJUSTED USING SUBJECT BATTERY WATER ARE CONSIDERED

ARMY

Gen-77-6
Battery
water

GE RULNAC0618 UNCLAS
UNSERVICEABLE AND ARE TO BE DISPOSED OF IN ACCORDANCE WITH
REGULATIONS.

3. DISTILLED WATER MAY ALSO BE OBTAINED UNDER NSN 6810-00-356-
4936 (5 GALLONS) OR NSN 6810-00-107-1510 (3 GALLONS) AS WELL AS
NSN 6810-00-682-6867 (1 GALLON) CITED IN REFERENCE A. THE THREE
ITEMS LISTED IN THIS PARAGRAPH 3 ARE ALL SUITABLE FOR ELECTROLYTE
ADJUSTMENT OF NICKEL-CADMIUM BATTERIES.

4. POINT OF CONTACT IS MR. G BORCHER, DRSEL-MA-TA, AUTOVON
992-4693."

BT

#0618

18

NNNN

24 Feb 77 20 01z

RAAUZEXW RULNNA00538 00551935-~~UUUUU~~RUMMDTA;
ZNR UUUUU
R 241929Z FEB 77 ZEX
FM QDR ARNG-0AO EDGEWOOD MD//NGB-AVN=L
TO AIG 7404
INFO RUEFHQA/CNGB WASH DC//NGB-ARL=A//
R 231400Z FEB 77
FM ODREQOM FT MONMOUTH NJ//DRSEL-MA-DT//

Army

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UNCLAS

PASS TO USPFO

NOTE - THIS IS A MAINTENANCE ADVISORY MESSAGE AND HAS NOT, REPEAT NOT, BEEN TRANSMITTED TO UNITS SUBORDINATE TO THIS ADDRESSEES, IT SHOULD BE TRANSMITTED TO ALL SUBORDINATE ACTIVITIES AFFECTED, THE RETRANSMITTAL SHALL REFERENCE THIS MESSAGE,

SUBJECT: CLN BATTERY WATER, NSN 6810-00-297-9540

A, MESSAGE 261800Z JAN 77

1, PURPOSE CLN CLARIFY REFERENCE A;

2, ALL NICKEL CADMIUM BATTERIES AND CELLS WHICH HAVE HAD THE ELECTROLYTE ADJUSTED USING SUBJECT BATTERY WATER ARE CONSIDERED UNSERVICABLE AND ARE TO BE DISPOSED OF IN ACCORDANCE WITH

REGULATIONS.

PAGE 2 RULNNA00538 UNCLAS

3, DISTILLED WATER MAY ALSO BE OBTAINED UNDER NSN 6810-00-356-4936 (5 GALLONS) OR NSN 6810-00-107-1910 (5 GALLONS) AS WELL AS NSN 6810-00-682-6867 (1 GALLON) CITED IN REFERENCE A; THE THREE ITEMS LISTED IN THIS PARAGRAPH 3 ARE ALL SUITABLE FOR ELECTROLYTE ADJUSTMENT OF NICKEL-CADMIUM BATTERIES,

4, POINT OF CONTACT IS MR G BORCHER, DRSEL-MA-TA, AUTOVON 992-4693,

BT
#0538

(2)

PRIORITY

25 Feb 77 23 26Z

PTTUZEXW RULNNA0559 0502224-UUUU--RUKMDTA,

ZNR UUUUU

P 252210Z FEB 77 ZEX

FM MGR ARNG-OAC//NGB-AVN-L//

TO AIG 7421

INFO RUEFHQA/CNGB WASH DC//NGB-ARL//

BT

UNCLAS

SUBJ - USE OF BATTERY WATER, NSN 6810-00-297-9540

A. MESSAGE, ODR ECOM, 261800Z JAN 77, SUBJ - BATTERY WATER, NSN 6810-00-297-9540, (ARNG-OAC MSG 31954Z JAN 77)

B. MESSAGE, ODR ECOM, 231400Z FEB 77, SAB, (ARNG-OAC MESSAGE 231979Z FEB 77),

C. FONECON, 25 FEB 77, MAJ LINDSAY, ARNG-OAC AND MR. BORCHER, DRSEL-MA-TA,

1. REF A ADVISED THAT BATTERY WATER UNDER NSN 6810-00-297-9540 WAS UNACCEPTABLE FOR USE IN NICAD BATTERIES, REF B ADVISED

THAT ANY BATTERIES IN WHICH THE SUBJECT WATER HAD BEEN USED ARE BE CONSIDERED UNSERVICEABLE AND ARE TO BE DISPOSED OF,

BATTERY WATER OF LOT 2 UNDER CONTRACT NUMBER DSA 400-76-0-3293 IS CONSIDERED UNSERVICEABLE, OTHER LOTS UNDER DIFFERENT CONTRACT NUMBERS HAVE BEEN LOCATED WITHIN THE ARNG,

PAGE 2 RULNNA0559 UNCLAS

3. AN ADDITIONAL MESSAGE, SAB, IS BEING PREPARED BY ECOM AND IS EXPECTED TO BE FIELDDED NEXT WEEK, SUBJECT MESSAGE WILL IDENTIFY GOOD AND BAD LOTS OF SUBJECT WATER AND WILL OUTLINE PROCEDURES TO TEST INSTALLED BATTERIES TO DETERMINE IF ACCEPTABLE OR UNACCEPTABLE WATER WAS USED TO SERVICE THEM, PENDING RECEIPT OF THE FOURTHCOMING ECOM MESSAGE, NO BATTERIES SHOULD BE DECLARED UNSERVICEABLE BASED ON THEIR REFERENCE B MESSAGE, POC AT ARNG OPERATING ACTIVITY CENTER IS MAJ LINDSAY, AUTDVON 584-2027,

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#0559

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RAAUZEXH RULNNAC0330 0312045-UUUU--RUMMDTA;
ZNR UUUUU

FM CDR ARNG-OAC EDGEWOOD LMD//NGB-AVN-L//
TO AIG 7401
R 261800Z JAN 77
FM CDRECOM FT MONMOUTH NJ//DRSEL-MA-DT//

Army

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UNCLAS

NOTE - THIS IS A MAINTENANCE ADVISORY MESSAGE AND HAS NOT, REPEAT NOT, BEEN TRANSMITTED TO UNITS SUBORDINATE TO ADDRESSES; IT SHOULD BE RETRANSMITTED TO ALL SUBORDINATE ACTIVITIES AFFECTED; THE RETRANSMITTAL SHALL REFERENCE THIS MESSAGE.

SUBJ - BATTERY WATER; NSN 6810-00-297-9540

1. PURPOSE OF THIS MESSAGE - TO ADVISE ALL NICKEL-CADMIUM BATTERY SHOPS OF AVAILABILITY ON NON-USEABLE BATTERY WATER;

2. THERE ARE LISTED BY DSA TWO DIFFERENT TYPES OF WATER FOR ADJUSTING BATTERY ELECTROLYTE LEVEL, DISTILLED OR IONIZED WATER; NSN 6810-00-682-6867 IS SUITABLE FOR ALL BATTERIES AND CAN BE USED; DSA ALSO LISTS BATTERY WATER; NSN 6810-00-297-9540 WHICH IS

PAGE TWO RULNNAC0330 UNCLAS

ONLY; REPEAT ONLY; SUITABLE FOR USE IN LEAD ACID BATTERIES; USE OF NSN 6810-00-297-9540 BATTERY WATER IN A NICKEL-CADMIUM BATTERY WILL DESTROY THE PLATE STRUCTURE AND REQUIRE REPLACEMENT OF THE COMPLETE BATTERY; DSA HAS ACKNOWLEDGED THE CONFUSION AND WILL MARK THE BATTERY WATER FOR LEAD ACID BATTERIES ONLY IN FUTURE PROCUREMENTS;

3. FOR NICKEL-CADMIUM BATTERIES IT IS MANDATORY THAT ONLY DISTILLED OR DEIONIZED WATER; NSN 6810-00-682-6867, BE USED TO ADJUST THE ELECTROLYTE LEVEL;

4. POC IS MR. GEORGE BORCHERT; DRSEL-MA-TA; AUTOVON 992-4693

BT

0330

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