

ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1 OF 4

1. DATE (YYMMDD)
99/10/08

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.

2. PROCURING
ACTIVITY NO.
L8T1009

3. DODAAC

4. ORIGINATOR

a. TYPED NAME (First, Middle Initial, Last)
**BENET LABORATORIES
AMSTA-AR-CCB-DD**

b. ADDRESS (Street, City, State, Zip Code)

WATERVLIET, NY 12189-4050

5. CLASS OF ECP

I

6. JUST. CODE

D

7. PRIORITY

R

8. ORIGINATOR

a. MODEL/TYPE
M1

b. CAGE CODE
19200

c. SYSTEM DESIGNATION
TANK, COMBAT

9. BASELINE AFFECTED

FUNCTIONAL

PRODUCT

ALLOCATED

10. ECP NO.

L8T1009

a. TYPE

F

b. REV

11. SPECIFICATIONS AFFECTED

a. CAGE CODE

b. Specification/Document No.

c. REV.

d. SCN

12. DRAWINGS AFFECTED

a. CAGE CODE

b. NUMBER

c. REV.

d. NOR

a. SYSTEM

SEE ATTACHED SHEET

b. DEVELOPMENT

N/A

c. PRODUCT

13. TITLE OF CHANGE

SPANNER WRENCH MODIFICATION

14. CONTRACT NO. AND LINE ITEM

15. PROCURING CONTRACTING OFFICER

a. NAME (First, Middle Initial, Last)

b. CODE

c. Telephone No.

16. CONFIGURATION ITEM NOMENCLATURE

Tool Kit, Gun Tube 9338574

17. IN PRODUCTION

YES

NO

18. ALL LOWER LEVEL ITEMS AFFECTED

a. NOMENCLATURE

SEE ATTACHED SHEET

b. PART NO.

SEE ATTACHED SHT.

c. NSN

SEE ATTACHED SHEET

19. DESCRIPTION OF CHANGE

RELEASE NEW SPANNER WRENCH 12988501 TO REPLACE SPANNER WRENCH 12310828, USED DURING MAINTENANCE OF THE 120 MM GUN TUBE.

20. NEED FOR CHANGE

SPANNER WRENCH 12310828 WAS PREMATURELY FAILING. PROPOSED NEW SPANNER WRENCH 12988501 HAS THREE GRIPPING POINTS INSTEAD OF TWO AND USES .75 THICK PLATE IN LIEU OF .38 THICK MATERIAL.

21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER

22. EFFECT ON PRODUCTION DELIVERY SCHEDULE

23. RETROFIT

a. RECOMMENDED ITEM EFFECTIVITY

b. SHIP / VEHICLE CLASS AFFECTED

c. ESTIMATED KIT DELIVERY SCHEDULE

d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED

24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT

25. ESTIMATED NET TOTAL COSTS / SAVINGS

26. SUBMITTING ACTIVITY

a. AUTHORIZED SIGNATURE **Hugo F. Betzwieser**

b. TITLE

Lead Mech. Engr. Tech.

27. APPROVAL / DISAPPROVAL

a. CLASS I

APPROVAL RECOMMENDED

DISAPPROVAL RECOMMENDED

b. CLASS II

APPROVED

DISAPPROVED

c. CLASS II

CONCUR IN CLASSIFICATION OF CHANGE

DO NOT CONCUR IN CLASSIFICATION OF CHANGE

d. GOVERNMENT ACTIVITY

e. SIGNATURE

f. DATE SIGNED (YYMMDD)

g. APPROVAL

APPROVED

DISAPPROVED

h. GOVERNMENT ACTIVITY

**TACOM,
AMSTA-TR-E/TANK**

i. SIGNATURE

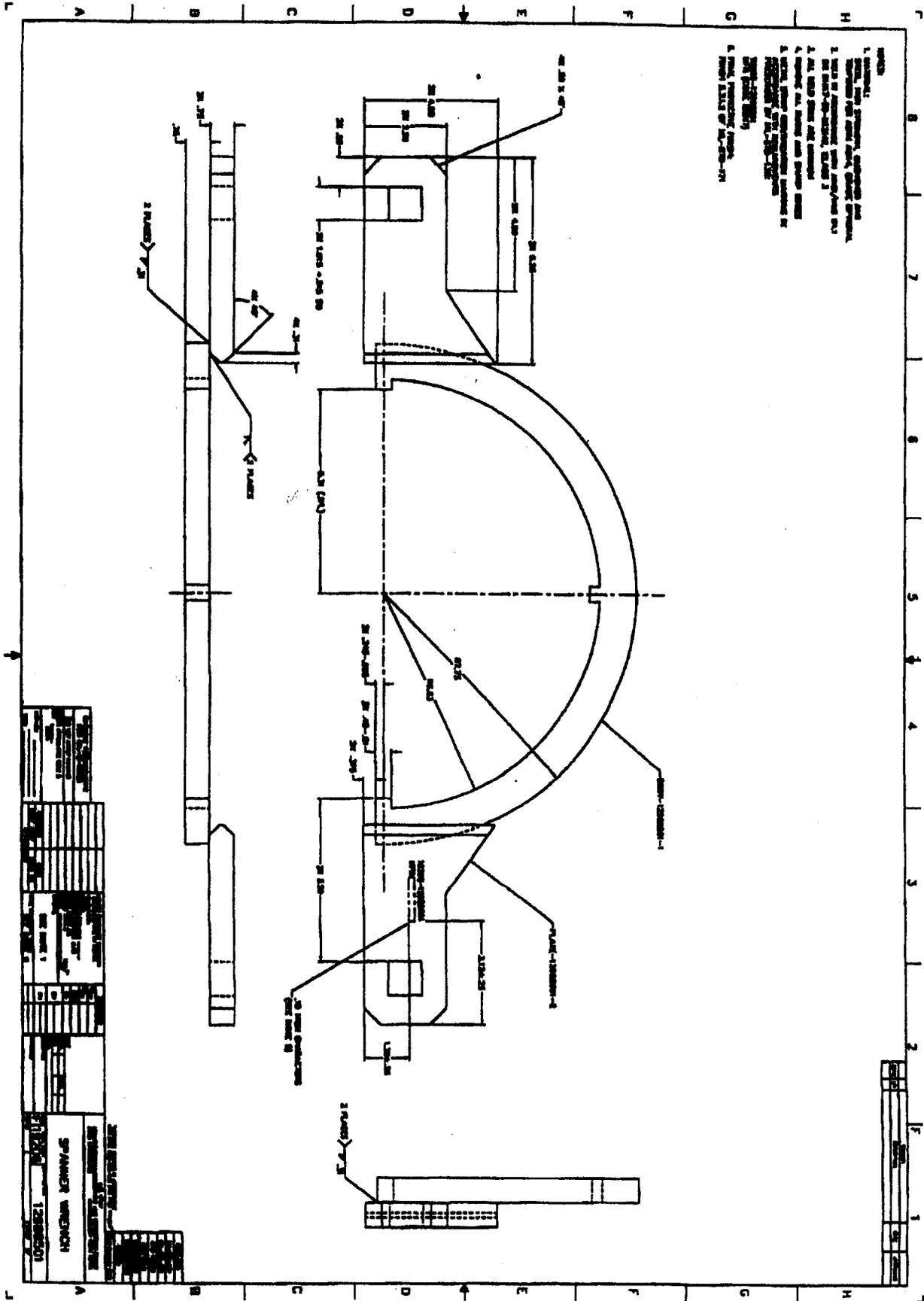
J. R. Miller

j. DATE SIGNED (YYMMDD)

1999 11 02

| NOTICE OF REVISION (NOR) | | 1. DATE (YYMMDD) | | Form Approved OMB No. 0704-0188 | |
|--|--|--|---|------------------------------------|---|
| THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENTS LISTED. | | | 99/10/08 | | 2. PROCURING ACTIVITY NO. L8T1009 |
| <small>Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.</small> | | | | | 3. DODAAC |
| 4. ORIGINATOR | | 5. CAGE CODE | | 8. NOR NO. | |
| a. TYPED NAME (First, Middle Initial, Last) | | b. ADDRESS (Street, City, State, Zip Code) | | 19200 | |
| | | US ARMY ARDEC BENET LABORATORIES/AMSTA-AR-CCB-DD WATERVLIET, NY 12189-4080 | | 1 | |
| | | 7. CAGE CODE | | 9. DOCUMENT NO. | |
| | | 19200 | | A9338574 | |
| 9. TITLE OF DOCUMENT | | | 10. REVISION LETTER | | 11. ECP NO. |
| TOOL KIT, GUN TUBE | | | a. CURRENT | | L8T1009 |
| | | | b. NEW | | |
| | | | A | | |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES | | | NOR SHT | | ECP SHT |
| SPECIAL TOOLS-TURRET-DIRECT SUPPORT SET-M1A1 9338572 | | | | | 3 OF 4 |
| 13. DESCRIPTION OF REVISION | | | | | |
| ADD DISTRIBUTION STATEMENT C | | | | | |
| CHANGE ITEM NO. 3 (SPANNER WRENCH, THRUST NUT) PART NO: | | | | | |
| FROM: "12310828" | | | | | |
| TO: "12988801" | | | | | |
| 14. THIS SECTION FOR GOVERNMENT USE ONLY | | | | | |
| a. (X one) | | | | | |
| <input type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. | | | | | |
| <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. | | | | | |
| <input checked="" type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document. | | | | | |
| b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT | | | c. TYPED NAME (First, Middle Initial, Last) | | |
| TACOM, AMSTA-TR-E/TANK | | | JOSE R. MABESA | | |
| d. TITLE | | e. SIGNATURE | | f. DATE SIGNED (YYMMDD) | |
| MOCA. ENGR | | Jose R. Mabesa | | 1999 11 02 | |
| 15a. ACTIVITY ACCOMPLISHING REVISION | | b. REVISION COMPLETED (Signature) | | c. DATE SIGNED (YYMMDD) | |
| | | | | | |

| NOTICE OF REVISION (NOR) | | 1. DATE (YYMMDD) 99/10/08 | Form Approved OMB No. 0704-0188 |
|---|--|---|--|
| THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENTS LISTED. | | 2. PROCURING ACTIVITY NO. LST1009 | |
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| 4. ORIGINATOR | | 5. CAGE CODE 19200 | 8. NOR NO. 2 |
| a. TYPED NAME (First, Middle Initial, Last) BENET LABORATORIES AMSTA-AR-CCB-DD | b. ADDRESS (Street, City, State, Zip Code) US ARMY ARDEC BENET LABORATORIES/AMSTA-AR-CCB-DD WATERVLIET, NY 12189-4090 | 7. CAGE CODE 19200 | 8. DOCUMENT NO. |
| 3. TITLE OF DOCUMENT SPANNER WRENCH | | 10. REVISION LETTER | |
| | | a. CURRENT | b. NEW |
| | | 11. ECP NO. LST1009 | |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES SPECIAL TOOLS-TURRET-DIRECT SUPPORT SET-M1A1 9338572 | | NOR SHT | ECP SHT 4 OF 4 |
| 13. DESCRIPTION OF REVISION | | | |
| SEE ATTACHED PROPOSED NEW DRAWING 12988501 | | | |
| 14. THIS SECTION FOR GOVERNMENT USE ONLY | | | |
| a. (X one) | <input type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input checked="" type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document. | | |
| 5. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM, AMSTA-TR-E/TANK | | 6. TYPED NAME (First, Middle Initial, Last) JOSE R. MABESA | |
| 3. TITLE MECH ENGR | 4. SIGNATURE <i>Jose R. Mabesa</i> | | 7. DATE SIGNED (YYMMDD) 1999 11 02 |
| 18a. ACTIVITY ACCOMPLISHING REVISION | 8. REVISION COMPLETED (Signature) | | 9. DATE SIGNED (YYMMDD) |



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| |
|--------------------------------------|
| 2. PROCURING ACTIVITY NO. L8T1007 |
| 3. DODAAC |

| | | |
|---|--|--------------------|
| 4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) BENET LABORATORIES AMSTA-AR-CCB-DD | b. ADDRESS (Street, City, State, Zip Code) WATERVLIT, NY 12189-4050 | 5. CLASS OF ECP |
| | | 6. JUST. CODE D |
| | | 7. PRIORITY R |

| | | | | |
|--|-----------------------|---------------------------------------|---|---|
| 8. ORIGINATOR a. MODEL/TYPE M1A1 | b. CAGE CODE 19200 | c. SYSTEM DESIGNATION TANK, COMBAT | 9. BASELINE AFFECTED <input type="checkbox"/> FUNCTIONAL <input type="checkbox"/> ALLOCATED | <input checked="" type="checkbox"/> PRODUCT |
|--|-----------------------|---------------------------------------|---|---|

| | | | |
|-----------------------|--------------|--------|---|
| 9. ECP NO. L8T1007 | e. TYPE F | f. REV | 10. OTHER SYS./CONFIG. ITEMS AFFECTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
|-----------------------|--------------|--------|---|

| 11. SPECIFICATIONS AFFECTED | | | | 12. DRAWINGS AFFECTED | | | |
|-----------------------------|----------------------------|------|-----|-----------------------|--------------------|------|-----|
| CAGE CODE | Specification/Document No. | REV. | SCN | CAGE CODE | NUMBER | REV. | NOR |
| a. SYSTEM | | | | | | | |
| b. DEVELOPMENT | N/A | | | | SEE ATTACHED SHEET | | |
| c. PRODUCT | | | | | | | |

13. TITLE OF CHANGE
TUBE HOLDER PAD MODIFICATION

| | |
|--------------------------------|---|
| 14. CONTRACT NO. AND LINE ITEM | 15. PROCURING CONTRACTING OFFICER a. NAME (First, Middle Initial, Last) b. CODE c. Telephone No. |
|--------------------------------|---|

| | |
|---|---|
| 16. CONFIGURATION ITEM NOMENCLATURE TOOL KIT, GUN TUBE 9338574 | 17. IN PRODUCTION <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
|---|---|

| | | | |
|------------------------------------|---------------------------------------|----------------------------------|------------------------------|
| 18. ALL LOWER LEVEL ITEMS AFFECTED | a. NOMENCLATURE SEE ATTACHED SHEET | b. PART NO. SEE ATTACHED SHT. | c. NSN SEE ATTACHED SHEET |
|------------------------------------|---------------------------------------|----------------------------------|------------------------------|

19. DESCRIPTION OF CHANGE
CHANGE MATERIAL FOR TUBE HOLDER PAD 12311012 FROM .25 INCH THICK RUBBER TO .50 INCH THICK ALUMINUM. UPDATE TUBE HOLDER ASSY 12311012 TO DEPICT NEW PAD CONFIGURATION AND REPLACE RIVET M24243/1C-B606 WITH M24243/1B608.

20. NEED FOR CHANGE
RUBBER MATERIAL SPECIFIED ON DRAWING 12311012 IS NO LONGER AVAILABLE. ALUMINUM REPLACEMENT IS MORE DURABLE AND HAS BEEN FOUND TO FUNCTION ADEQUATELY. A LONGER RIVET IS REQUIRED AS THE ALUMINUM PAD IS .475 INCH THICK AS OPPOSED TO THE .25 THICK RUBBER PAD.

| | |
|---|--|
| 21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER | 22. EFFECT ON PRODUCTION DELIVERY SCHEDULE |
|---|--|

| | |
|---|---|
| 23. RETROFIT a. RECOMMENDED ITEM EFFECTIVITY | b. SHIP / VEHICLE CLASS AFFECTED |
| c. ESTIMATED KIT DELIVERY SCHEDULE | d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED |

| | |
|--|---|
| 24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT | 25. ESTIMATED NET TOTAL COSTS / SAVINGS |
|--|---|

| | |
|--|----------------------------|
| 26. SUBMITTING ACTIVITY a. AUTHORIZED SIGNATURE <i>Phy Benet</i> | b. TITLE Project Leader |
|--|----------------------------|

| | | |
|---|--|--|
| 27. APPROVAL / DISAPPROVAL a. CLASS I <input type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> DISAPPROVAL RECOMMENDED | b. CLASS II <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED | c. CLASS II <input type="checkbox"/> CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE |
|---|--|--|

| | | |
|------------------------|--------------|-------------------------|
| d. GOVERNMENT ACTIVITY | e. SIGNATURE | f. DATE SIGNED (YYMMDD) |
|------------------------|--------------|-------------------------|

| | | |
|---|---------------------------------------|---------------------------------------|
| g. GOVERNMENT ACTIVITY TACOM - AMSTA-TR/TANK | h. SIGNATURE <i>Jose R. Madala</i> | i. DATE SIGNED (YYMMDD) 1999 08 11 |
|---|---------------------------------------|---------------------------------------|

L8T1007

NOTICE OF REVISION (NOR)

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1. DATE (YYMMDD) Form Approved
OMB No. 0704-0188

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2. PROCURING
ACTIVITY NO.
LBT1007

3. DODAAC

4. ORIGINATOR
a. TYPED NAME (First, Middle Initial, Last)

b. ADDRESS (Street, City, State, Zip Code)
US ARMY ARDEC
BENET LABORATORIES/AMSTA-AR-CCB-DD
WATERVLIET, NY 12189-4050

5. CAGE CODE
19200

7. CAGE CODE
19200

6. NOR NO.
1

8. DOCUMENT NO.
D12311004

9. TITLE OF DOCUMENT
PAD

10. REVISION LETTER
a. CURRENT
b. NEW

11. ECP NO.
LBT1007

12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES
TOOL KIT, GUN TUBE 9338574

NOR SHT
1 OF 4

ECP SHT
3 OF 9

13. DESCRIPTION OF REVISION

ADD DISTRIBUTION STATEMENT C

CHANGE DEPICTION OF PAD, FROM:

14. THIS SECTION FOR GOVERNMENT USE ONLY

a. (X one)

(1) Existing document supplemented by this NOR may be used in manufacture.

(2) Revised document must be received before manufacturer may incorporate this change.

(3) Custodian of master document shall make above revision and furnish revised document.

b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT
TACOM, AMSTA-TR-E/TANK

c. TYPED NAME (First, Middle Initial, Last)
JOSE R. MABESA

d. TITLE
MECH ENGR

e. SIGNATURE
Jose R. Mabesa

f. DATE SIGNED (YYMMDD)
1999 08 11

15a. ACTIVITY ACCOMPLISHING REVISION

b. REVISION COMPLETED (Signature)

c. DATE SIGNED (YYMMDD)

LBT1007

ECP L8T1007
FORM 1692
BLOCKS 12 AND 18

L 8 T 1 0 0 7
ECP PAGE 2 OF 9

| PART NO. | NOMENCLATURE | REV. | NSN NO. | CAGE CODE | NOR |
|----------|------------------|------|---------------|-----------|-----|
| 12311004 | PAD | - | - | 19200 | 1 |
| 12311012 | TUBE HOLDER ASSY | C | 5340012042692 | 19200 | 2 |

NOTICE OF REVISION (NOR)

THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENTS LISTED.

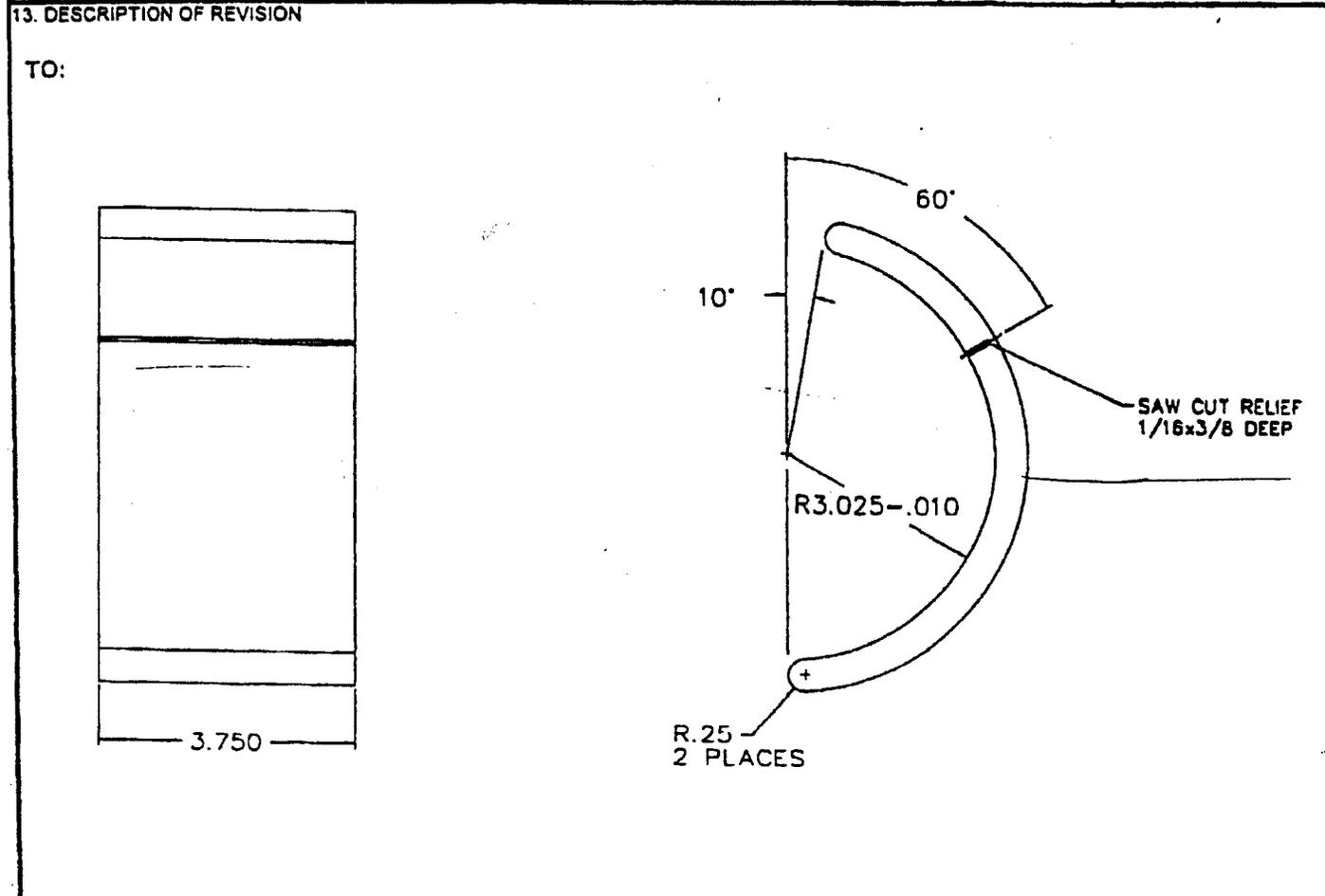
1. DATE (YYMMDD)
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OMB No. 0704-0188

2. PROCURING
ACTIVITY NO.
L8T1007

3. DODAAC

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| | | | |
|---|--|--|------------------------------|
| 4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) | b. ADDRESS (Street, City, State, Zip Code) US ARMY ARDEC BENET LABORATORIES/AMSTA-AR-CCB-DD WATERVLIET, NY 12189-4050 | 5. CAGE CODE 19200 | 6. NOR NO. 1 |
| | | 7. CAGE CODE 19200 | 8. DOCUMENT NO. D12311004 |
| 9. TITLE OF DOCUMENT PAD | | 10. REVISION LETTER a. CURRENT - b. NEW | |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES TOOL KIT, GUN TUBE 9338574 | | NOR SHT 2 OF 4 | ECP SHT 4 OF 9 |



14. THIS SECTION FOR GOVERNMENT USE ONLY

a. (X one)

(1) Existing document; supplemented by this NOR may be used in manufacture.

(2) Revised document must be received before manufacturer may incorporate this change.

(3) Custodian of master document shall make above revision and furnish revised document.

b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT
TACOM, AMSTA-TR-E/TANK

c. TYPED NAME (First, Middle Initial, Last)
JOSE R. MABESA

d. TITLE
MECH ENGR

e. SIGNATURE
Jose R. Mabesa

f. DATE SIGNED (YYMMDD)
19990811

15a. ACTIVITY ACCOMPLISHING REVISION

b. REVISION COMPLETED (Signature)

c. DATE SIGNED (YYMMDD)

L8T1007

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Sub-reporting burden of this collection of information is estimated to average 2 hours per response including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503
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2. PROCURING
 ACTIVITY NO.
L8T1007
 3. DODAAC

| | | | |
|--|---|------------------------------|-------------------------------------|
| 1. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) | b. ADDRESS (Street, City, State, Zip Code) US ARMY ARDEC BENET LABORATORIES/AMSTA-AR-CCB-DD WATERVLIET, NY 12189-4060 | 5. CAGE CODE 19200 | 6. NOR NO. 1 |
| | | 7. CAGE CODE 19200 | 8. DOCUMENT NO. D12311004 |

| | | |
|------------------------------------|---|-------------------------------|
| 9. TITLE OF DOCUMENT PAD | 10. REVISION LETTER a. CURRENT b. NEW | 11. ECP NO. L8T1007 |
|------------------------------------|---|-------------------------------|

| | | |
|--|--------------------------|--------------------------|
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES TOOL KIT, GUN TUBE 9338574 | NOR SHT 3 OF 4 | ECP SHT 6 OF 9 |
|--|--------------------------|--------------------------|

13. DESCRIPTION OF REVISION

**ZONES A8 AND B8
 CHANGE:**

FROM: "2. FOR REPAIR PARTS ORDERS ONLY: APPLY A WIRE TAG WHICH BEARS IDENTIFICATION MARKING IN ACCORDANCE WITH REQUIREMENTS PRESCRIBED BY MIL-STD-130:

**19207-12311004
 MFR (CODE IDENT)**

**1. MATERIAL: 'COML'
 BLUE RUFF TOP BELTING
 NO. 602 COMPOUND
 F.B. WRIGHT CO
 P.O. BOX 770
 9999 MERCIER
 DEARBORN, MI 48121
 CODE IDENT: 01697"**

14. THIS SECTION FOR GOVERNMENT USE ONLY

4. (X one) (1) Existing document supplemented by this NOR may be used in manufacture.
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 (3) Custodian of master document shall make above revision and furnish revised document.

| | |
|--|--|
| 6. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM, AMSTA-TR-E/TANK | 7. TYPED NAME (First, Middle Initial, Last) JOSE R. MABESA |
|--|--|

| | | |
|------------------------------|---------------------------------------|---|
| 8. TITLE MECH ENGR | 9. SIGNATURE <i>Jose R. Mabesa</i> | 10. DATE SIGNED (YYMMDD) 1999 08 11 |
|------------------------------|---------------------------------------|---|

| | | |
|--------------------------------------|-------------------------------------|---------------------------|
| 15a. ACTIVITY ACCOMPLISHING REVISION | 15b. REVISION COMPLETED (Signature) | 15c. DATE SIGNED (YYMMDD) |
|--------------------------------------|-------------------------------------|---------------------------|

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2. PROCURING ACTIVITY NO.
L8T1007

3. DODAAC

4. ORIGINATOR
 a. TYPED NAME (First, Middle Initial, Last)

b. ADDRESS (Street, City, State, Zip Code)

US ARMY ARDEC
 BENET LABORATORIES/AMSTA-AR-CCB-DD
 WATERVLIT, NY 12189-4050

5. CAGE CODE
 19200

6. NOR NO.
 2

7. CAGE CODE
 19200

8. DOCUMENT NO.
 K12311012

9. TITLE OF DOCUMENT
TUBE HOLDER ASSY

10. REVISION LETTER

a. CURRENT
C

b. NEW

11. ECP NO.
L8T1007

12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES
TOOL KIT, GUN TUBE 9338574

NOR SHT
 1 OF 3

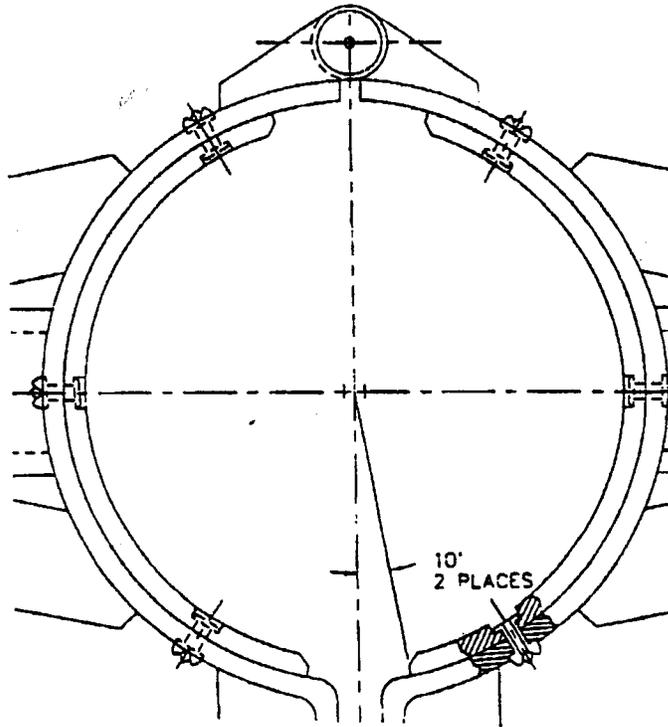
ECP SHT
 7 OF 9

13. DESCRIPTION OF REVISION

ADD DISTRIBUTION STATEMENT C

IN ZONES D6, E6 AND F6, CHANGE DEPICTION OF PAD 12311004 AND SPECIFIED ANGLE:

FROM:



14. THIS SECTION FOR GOVERNMENT USE ONLY

- a. (X one)
- (1) Existing document supplemented by this NOR may be used in manufacture.
 - (2) Revised document must be received before manufacturer may incorporate this change.
 - (3) Custodian of master document shall make above revision and furnish revised document.

b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT
TACOM, AMSTA - TR-E/TANK

c. TYPED NAME (First, Middle Initial, Last)
JOSE R. MABESA

d. TITLE
MECH ENGR

e. SIGNATURE
Jose R. Mabesa

f. DATE SIGNED (YYMMDD)
19990811

15a. ACTIVITY ACCOMPLISHING REVISION

b. REVISION COMPLETED (Signature)

c. DATE SIGNED (YYMMDD)

L8T1007

NOTICE OF REVISION (NOR)

THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENTS LISTED.

OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204 Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.

2. PROCURING ACTIVITY NO.
L8T1007

3. DODAAC

1. ORIGINATOR
a. TYPED NAME (First, Middle Initial, Last)

b. ADDRESS (Street, City, State, Zip Code)
**US ARMY ARDEC
BENET LABORATORIES/AMSTA-AR-CCB-DD
WATERVLIET, NY 12189-4050**

5. CAGE CODE
19200

7. CAGE CODE
19200

6. NOR NO.
2

8. DOCUMENT NO.
K12311012

9. TITLE OF DOCUMENT
TUBE HOLDER ASSY

10. REVISION LETTER
a. CURRENT
C

b. NEW

11. ECP NO.
L8T1007

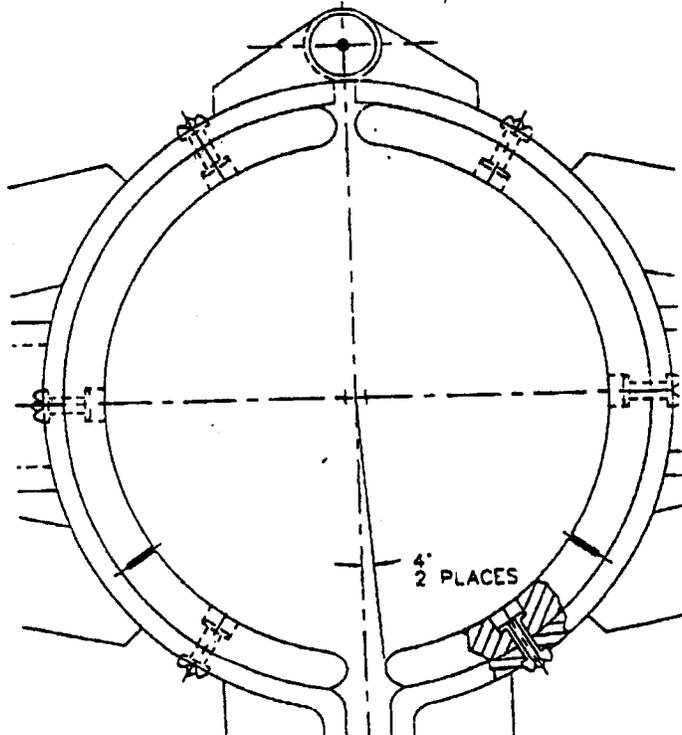
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES
TOOL KIT, GUN TUBE 9338574

NOR SHT
2 OF 3

ECP SHT
8 OF 9

13. DESCRIPTION OF REVISION

TO:



14. THIS SECTION FOR GOVERNMENT USE ONLY

- a. (X one)
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b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT
TACOM, AMSTA-TR-E/TANK

c. TYPED NAME (First, Middle Initial, Last)
JOSE R. MABESA

d. TITLE
MECH ENGR

e. SIGNATURE
Jose R. Mabesa

f. DATE SIGNED (YYMMDD)
1999 08 11

15a. ACTIVITY ACCOMPLISHING REVISION

b. REVISION COMPLETED (Signature)

c. DATE SIGNED (YYMMDD)

L8T1007

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| |
|--|
| 2. PROCURING ACTIVITY NO. L8T1007 |
| 3. DODAAC |
| 6. NOR NO. 2 |
| 8. DOCUMENT NO. K12311012 |
| 11. ECP NO. L8T1007 |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES TOOL KIT, GUN TUBE 9338574 |
| NOR SHT 3 OF 3 |
| ECP SHT 9 OF 9 |

| | | |
|--|---|------------------------------|
| 4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) | b. ADDRESS (Street, City, State, Zip Code) US ARMY ARDEC BENET LABORATORIES/AMSTA-AR-CCB-DD WATERVLIET, NY 12189-4050 | 5. CAGE CODE 19200 |
| 9. TITLE OF DOCUMENT TUBE HOLDER ASSY | 10. REVISION LETTER a. CURRENT C | b. NEW |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES TOOL KIT, GUN TUBE 9338574 | NOR SHT 3 OF 3 | ECP SHT 9 OF 9 |

13. DESCRIPTION OF REVISION

**ZONE D5
CHANGE CALLOUT:**

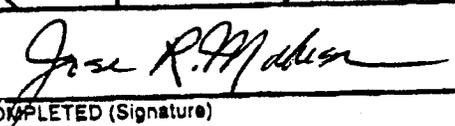
**FROM: "12-RIVET-M24243/1C-B606
PER SPEC MIL-R-24243/1
TRANSFER RIVET HOLE PATTERN FROM
TUBE HOLDER TO PADS
DRILL HOLES IN THE PADS TO .21±.03Ø
C'BORE PADS TO .38±.02Ø TO FABRIC
BASE X .12 DEEP
REMOVE ALL BURRS AND SHARP EDGES"**

**TO: "12-RIVET-M24243/1B608
PER SPEC MIL-R-24243/1
TRANSFER RIVET HOLE PATTERN FROM
TUBE HOLDER TO PADS
DRILL HOLES IN THE PADS TO .21±.03Ø
C'BORE PADS TO .38±.02Ø X .23±.01 DEEP
REMOVE ALL BURRS AND SHARP EDGES"**

**ZONE B12
IN NOTE 2, CHANGE:**

FROM: "19207-12311012"

TO: "19200-12311012"

| | | |
|--|--|--|
| 14. THIS SECTION FOR GOVERNMENT USE ONLY | | |
| a. (X one) | <input type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input checked="" type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document. | |
| b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACOM, AMSTA-TR-E/TANK | c. TYPED NAME (First, Middle Initial, Last) JOSE R. MABESA | |
| d. TITLE MECH-ENGR | e. SIGNATURE  | f. DATE SIGNED (YYMMDD) 1999 08 11 |
| 15a. ACTIVITY ACCOMPLISHING REVISION | b. REVISION COMPLETED (Signature) | c. DATE SIGNED (YYMMDD) |

L8T1007

L9T1007R1

| | | | | | | | |
|---|--|---|--|---|--|---|--|
| ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1 | | | | 1. DATE (YYMMDD) 000105 | | Form Approved OMB No. 0704-0188 | |
| Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503 PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM. | | | | | | 2. PROCURING ACTIVITY NO. L9T1007R1 | |
| | | | | | | 3. DODAAC | |
| 4. ORIGINATOR a. TYPED NAME (First, Middle Initial, Last) BENET LABORATORIES AMSTA-AR-CGB-DD | | b. ADDRESS (Street, City, State, Zip Code) U.S. ARMY ARDEC BENET LABORATORIES/AMSTA-AR- CGB-DD | | 5. CLASS OF ECP I | | | |
| B. ORIGINATOR | | | | 6. JUST. CODE D | | 7. PRIORITY R | |
| a. MODEL/TYPE | | b. CAGE CODE 19200 | | c. SYSTEM DESIGNATION TANK,COMBAT | | 9. BASELINE AFFECTED <input type="checkbox"/> FUNCTIONAL <input checked="" type="checkbox"/> PRODUCT <input type="checkbox"/> ALLOCATED | |
| d. ECP NO. L9T1007R1 | | e. TYPE F | | f. REV | | 10. OTHER SYS./CONFIG. ITEMS AFFECTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | |
| 11. SPECIFICATIONS AFFECTED | | | | 12. DRAWINGS AFFECTED | | | |
| a. SYSTEM | | b. DEVELOPMENT | | c. PRODUCT | | | |
| | | N/A | | SEE ATTACHED SHEET | | NEW | |
| 13. TITLE OF CHANGE GUNNER'S/COMMANDER'S CONTROL TESTER MODIFICATION | | | | | | | |
| 14. CONTRACT NO. AND LINE ITEM | | | | 15. PROCURING CONTRACTING OFFICER a. NAME (First, Middle Initial, Last) b. CODE c. Telephone No. | | | |
| 16. CONFIGURATION ITEM NOMENCLATURE M1 SERIES TANK, COMBAT | | | | | | 17. IN PRODUCTION <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | |
| 18. ALL LOWER LEVEL ITEMS AFFECTED | | | | | | | |
| a. NOMENCLATURE GUNNER'S/COMMANDER'S CONTROL TESTER | | b. PART NO. 12283472 | | c. NSN | | | |
| 19. DESCRIPTION OF CHANGE DRAWING 12283472 HAS STABLE MASTER ARTWORK ERRORS THAT NEED CORRECTION (12283472) SECOND CHANGE: REDIMENSIONING HARDWARE BRACKET TO RESOLVE FABRICATION ISSUES (9338670) | | | | | | | |
| 20. NEED FOR CHANGE SEE ATTACHED SHEET | | | | | | | |
| 21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER | | | | 22. EFFECT ON PRODUCTION DELIVERY SCHEDULE | | | |
| 23. RETROFIT | | | | | | | |
| a. RECOMMENDED ITEM EFFECTIVITY | | | | b. SHIP / VEHICLE CLASS AFFECTED | | | |
| c. ESTIMATED KIT DELIVERY SCHEDULE | | | | d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED | | | |
| 24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT | | | | 25. ESTIMATED NET TOTAL COSTS / SAVINGS | | | |
| 26. SUBMITTING ACTIVITY a. AUTHORIZED SIGNATURE ROBERT A. PIACENTE | | | | b. TITLE T.I.P.O. | | | |
| 27. APPROVAL / DISAPPROVAL | | | | | | | |
| a. CLASS I <input type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> DISAPPROVAL RECOMMENDED | | b. CLASS II <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED | | c. CLASS II <input type="checkbox"/> CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE | | | |
| d. GOVERNMENT ACTIVITY | | | | e. SIGNATURE | | f. DATE SIGNED (YYMMDD) | |
| g. APPROVAL <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED | | h. GOVERNMENT ACTIVITY TACOM. AMSTA-TR-E/TANK | | i. SIGNATURE <i>Jose R. [Signature]</i> | | j. DATE SIGNED (YYMMDD) 2000 0119 | |

2000 FEB -2 P 1:07
 AMSTA-AR OAD

THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENTS LISTED.

Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503
 PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.

2. PROCURING ACTIVITY NO.
L8T1007

3. DODAAC

6. NOR NO.
1

8. DOCUMENT NO.
D12311004

11. ECP NO.
L8T1007

NOR SHT
4 OF 4

ECP SHT
6 OF 9

L8T1007

4. ORIGINATOR

a. TYPED NAME (First, Middle Initial, Last)

b. ADDRESS (Street, City, State, Zip Code)
**US ARMY ARDEC
 BENET LABORATORIES/AMSTA-AR-CCB-DD
 WATERVLIET, NY 12189-4050**

5. CAGE CODE
19200

7. CAGE CODE
19200

9. TITLE OF DOCUMENT
PAD

10. REVISION LETTER
 a. CURRENT
 b. NEW

12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES
TOOL KIT, GUN TUBE 9338574

13. DESCRIPTION OF REVISION

TO:

"3. REMOVE ALL BURRS AND SHARP EDGES.

**2. FINAL PROTECTIVE FINISH:
 FINISH 5.4.1 OF MIL-STD-171.**

**1. MATERIAL:
 TUBING, ALUMINUM ALLOY 6061-T6,
 PER WW-T-700/6, 7.00 O.D. X .50 WALL."**

**ZONE A3
 IN TOLERANCE BLOCK, CHANGE:**

| | | | |
|-------|----------------------------|---------------------------|---|
| FROM: | " 2 PLACE ± .06 | 3 PLACE ± - | ANGLES ± - " |
| TO: | " 2 PLACE ± .06 | 3 PLACE ± .015 | FRACTIONS ANGLES ± 1/64 ± 2° " |

14. THIS SECTION FOR GOVERNMENT USE ONLY

a. (X one)

(1) Existing document supplemented by this NOR may be used in manufacture.

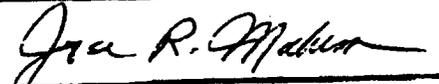
(2) Revised document must be received before manufacturer may incorporate this change.

(3) Custodian of master document shall make above revision and furnish revised document.

b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT
TACOM, AMSTA-TR-E/TANK

c. TYPED NAME (First, Middle Initial, Last)
JOSE R. MABESA

d. TITLE
MECH ENGR

e. SIGNATURE


f. DATE SIGNED (YYMMDD)
19990811

15a. ACTIVITY ACCOMPLISHING REVISION

b. REVISION COMPLETED (Signature)

c. DATE SIGNED (YYMMDD)

L9T1007R1

ECP L9T1007R1
FORM 1692
BLOCK 12 AND 18

DRAWINGS TO BE AFFECTED:

| PART NO. | NOMENCLATURE | REV. | NSN NO. | CAGE | NOR |
|----------|--------------------|------|---------|-------|-----|
| 9338670 | BRACKET | NEW | | 19200 | 1 |
| 12283656 | PRINTED WIRE BOARD | A | | 19207 | 2 |

ECP L9T1007R1
FORM 1692
BLOCK 19 and 20
Recommendation: Accept

ECP L9T1007 had the following descriptions of change:

"ECP L9T1007 has been initiated in order to address various fabrication and manufacturing issues to resolve vendor concerns in making the Gunner's/Commander's Control Tester 12283472. This tester is a Basic Issue Item (BII) for the M1 Series Tank.

First action of this ECP corrects dimensional errors found on the Stable Based Artwork referenced in Printed Wiring Master 12283656. Printed Wiring Master 12283656 is used to create Board, Printed Wiring 12283639, which is found on Circuit Board Assembly 12283638. This circuit board assembly is used in the Gunner's/ Commander's Control Tester 12283472, which is the top item that needs correction. The spacing needs to be changed on the Stable Based Artwork to reflect lead spacing from 0.100" to 0.109", otherwise the assembly will not occur. Affected Drawing is only Stable Based Artwork referenced in 12283656.

Second action of this ECP corrects small dimension interference in the housing hardware (a bracket) of the tester assembly. Bracket 9338670 is used on Chassis Assembly 12283600, which is part of the Gunner's/Commander's Control Tester 12283472. Dimension changes are recommended to this bracket to ease assembly of the Chassis Assembly 12283600. Affected drawing is 9338670.

Third action of this ECP is to replace one of the potentiometers used in this tester due to noise issues. In particular, new testers are having a calibration issue where they can not be calibrated due to electrical noise being generated due to "cross-talk" with parallel wires in the wiring harness. A higher Ohmic value potentiometer (250K as opposed to current 100K) has been bench tested in a tester that could not be calibrated with the old potentiometer, and the calibration issue ceased with the new potentiometer installed. Affected drawings are 12283638 and 12283655.

This ECP will encompass all known deficiencies encountered in the last contract for this Gunner's/ Commander's Control Tester 12283472."

The changes occurring in L9T1007R1 consist of removing the potentiometer changes to L9T1007. The rationale of this removal is the following. Upon further testing it has been shown that the current 100K potentiometer can be calibrated in most cases. The cases that do not calibrate, the recommendation of this activity is to utilize the 250K potentiometer in a waiver or deviation mode solution as done on last government contract. Therefore it is not pertinent to include the potentiometer changes in L9T1007, and are dropped from ECP L9T1007.

Therefore the description of changes for L9T1007R1 shall consist of the following:

"ECP L9T1007R1 has been initiated in order to address various fabrication and manufacturing issues to resolve vendor concerns in making the Gunner's/Commander's Control Tester 12283472. This tester is a Basic Issue Item (BII) for the M1 Series Tank.

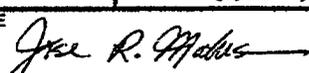
First action of this ECP corrects dimensional errors found on the Stable Based Artwork referenced in Printed Wiring Master 12283656. Printed Wiring Master 12283656 is used to create Board, Printed Wiring 12283639, which is found on Circuit Board Assembly 12283638. This circuit board assembly is used in the Gunner's/ Commander's Control Tester 12283472, which is the top item that needs correction. The spacing needs to be changed on the Stable Based Artwork to reflect lead spacing from 0.100" to 0.109", otherwise the assembly will not occur. Affected Drawing is only Stable Based Artwork referenced in 12283656.

Second action of this ECP corrects small dimension interference in the housing hardware (a bracket) of the tester assembly. Bracket 9338670 is used on Chassis Assembly 12283600, which is part of the Gunner's/Commander's Control Tester 12283472. Dimension changes are recommended to this bracket to ease assembly of the Chassis Assembly 12283600. Affected drawing is 9338670.

L9T1007R1

| NOTICE OF REVISION (NOR) | | 1. DATE (YYMMDD) | Form Approved OMB No. 0704-0188 |
|---|--|-------------------------|---|
| THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENTS LISTED. | | 000105 | 2. PROCURING ACTIVITY NO. L9T1007R1 |
| <small>Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503 PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.</small> | | | |
| 4. ORIGINATOR | b. ADDRESS (Street, City, State, Zip Code) | 5. CAGE CODE | 6. NOR NO. |
| a. TYPED NAME (First, Middle Initial, Last) BENET LABORATORIES AMSTA-AR-CCB-DD | US ARMY ARDEC BENET LABORATORIES/AMSTA-AR-CCB-EC WATERVLIET, NY 12189-4050 | 19200 | 1 |
| | | 7. CAGE CODE | 8. DOCUMENT NO. |
| | | 19200 | 9338670 |
| 8. TITLE OF DOCUMENT | 10. REVISION LETTER | | 11. ECP NO. |
| BRACKET | a. CURRENT | b. NEW | L9T1007R1 |
| | NEW | | |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES | NOR SHT | ECP SHT | |
| CHASSIS ASSEMBLY 12283600, A SUB-PART OF 12283472 | 1 OF 2 | 3 OF 4 | |
| 13. DESCRIPTION OF REVISION | | | |
| ON DRAWING #9338670 SECTION CHANGE THE FOLLOWING: | | | |
| SECTION D5 CHANGE DIMENSION FROM: ".25" TO: ".19" | | | |
| 2PL 2PL | | | |
| SECTION C5 CHANGE DIMENSION FROM: ".12" TO: ".14" | | | |
| SECTION B6 CHANGE DIMENSION FROM: "6.08-.04" TO: "6.07-.03" | | | |
| SECTION B4 CHANGE DIMENSION FROM: ".50" TO: "0.38" | | | |
| SECTION C5 CHANGE DIMENSION FROM: "46° +4°" TO: "50° -2°" | | | |
| 14. THIS SECTION FOR GOVERNMENT USE ONLY | | | |
| a. (X one) | <input checked="" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. | | |
| | <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. | | |
| | <input checked="" type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document. | | |
| b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT | c. TYPED NAME (First, Middle Initial, Last) | | |
| TACOM, AMSTA-TR-E/TANK | JOSE R. MABESA | | |
| d. TITLE | e. SIGNATURE | f. DATE SIGNED (YYMMDD) | |
| MECH EUGR | <i>Jose R. Mabesa</i> | 20000119 | |
| 15a. ACTIVITY ACCOMPLISHING REVISION | b. REVISION COMPLETED (Signature) | c. DATE SIGNED (YYMMDD) | |
| | | | |

L9T1007R1

| | | | |
|--|---|---|------------------------------------|
| NOTICE OF REVISION (NOR) THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENTS LISTED. | | 1. DATE (YYMMDD) 000105 | Form Approved OMB No. 0704-0188 |
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| 4. ORIGINATOR <small>5. TYPED NAME (First, Middle Initial, Last)</small> BENET LABORATORIES AMSTA-AR-CCB-DD | <small>b. ADDRESS (Street, City, State, Zip Code)</small> US ARMY ARDEC BENET LABORATORIES/AMSTA-AR-CCB-EC WATERVLIET, NY 12189-4050 | 5. CAGE CODE 19200 | 6. NOR NO. 1 |
| | | 7. CAGE CODE 19200 | 8. DOCUMENT NO. C12283656 |
| 8. TITLE OF DOCUMENT PRINTED WIRING MASTER | | 10. REVISION LETTER <small>a. CURRENT</small> A | |
| | | <small>b. NEW</small> NOR SHT 2 OF 2 | |
| 12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES BOARD, PRINTED WIRING 12283639 | | 11. ECP NO. L9T1007R1 | |
| 13. DESCRIPTION OF REVISION ON PRODUCTION MASTER (STABLE BASED ARTWORK): CHANGE CONNECTOR (PIN) HOLE SPACING FROM: "0.100" INCHES APART TO "0.109" INCHES APART | | 12. ECP SHT 4 OF 4 | |
| 14. THIS SECTION FOR GOVERNMENT USE ONLY | | | |
| a. (X one) | <input checked="" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input checked="" type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document. | | |
| b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT TACM, AMSTA-TR-E/TANK | | c. TYPED NAME (First, Middle Initial, Last) JOSE R. MABESA | |
| d. TITLE MECH ENGR | e. SIGNATURE  | f. DATE SIGNED (YYMMDD) 2000 01 19 | |
| 15a. ACTIVITY ACCOMPLISHING REVISION | b. REVISION COMPLETED (Signature) | c. DATE SIGNED (YYMMDD) | |

L9T1007R1

| CONFIGURATION CONTROL BOARD DIRECTIVE DESIGN ACTIVITY EVALUATION | | | | 1. PAN L9T1007R1 | | | |
|--|----------|---|---|---------------------|----------------------------------|---|----|
| 2a. TYPE ITEM (Check only one) | | 2b. TYPE ACTION | | | | | |
| <input type="checkbox"/> TRANSFERRED <input checked="" type="checkbox"/> PROJECT MANAGED <input type="checkbox"/> OTHER _____ | | <input checked="" type="checkbox"/> ECP <input type="checkbox"/> RFD <input type="checkbox"/> VEP <input type="checkbox"/> RFW <input type="checkbox"/> OTHER _____ <input type="checkbox"/> VECF | | | | | |
| 3a. CONTRACT(s) AFFECTED N/A | | 3b. SOLICITATION(s) AFFECTED N/A | | | | | |
| 4. APPLICATION | | | 5. COST IMPACT | | | | |
| <input type="checkbox"/> Apply to current contracts/solicitations <input checked="" type="checkbox"/> Apply to future applications <input type="checkbox"/> Formalizes change previously authorized via: _____ <input type="checkbox"/> Associated or Interface Changes as listed in remarks. | | | <input type="checkbox"/> NONE <input type="checkbox"/> INCREASE <input type="checkbox"/> DECREASE | | | | |
| RETROFIT BY: <input type="checkbox"/> Attrition <input type="checkbox"/> Minor Alteration <input type="checkbox"/> MWO | | | 2000 FEB 2 P 1:07 AM STA-AR OAD | | | | |
| 6a. RECOMMENDATION TO CONFIGURATION MANAGER: | | | | | | 6b. MODIFICATION(s) TO SUBMITTED ACTION | |
| <input checked="" type="checkbox"/> APPROVE <input type="checkbox"/> APPROVE WITH MODIFICATION <input type="checkbox"/> DISAPPROVE <input type="checkbox"/> OTHER: _____ | | | <input type="checkbox"/> NONE <input type="checkbox"/> AS FOLLOWS: | | | | |
| 7. POSITION ON RECOMMENDATION TO CONFIGURATION MANAGER | | | | | | | |
| DOCUMENTS/ DISCIPLINE | IMPACTED | | OFFICE SYMBOL | TELEPHONE | TYPED/PRINTED NAME AND SIGNATURE | CONCUR | |
| | YES | NO | | | | YES | NO |
| PRODUCT DRAWINGS | X | | AMSTA-AR-CCB-DD | (518) 266-4287 | BRYAN J. VAN DE WAL | X | |
| SPECIFICATIONS/ QAPs | | | | | | | |
| PACKAGING DATA | | | | | | | |
| SOFTWARE | | | | | | | |
| MAINTENANCE | | | | | | | |
| OTHER (Specify) | | | | | | | |
| VALUE ENGINEERING | | | | | | | |
| * NOTE: A Notice of Revision (NOR) is required for each document needing revision when a change is recommended for approval. | | | | | | | |
| 8. REMARKS <p style="text-align: center;">RECOMMEND ACCEPT</p> | | | | | | | |
| 9a. OFFICE SYMBOL | | 9b. TYPED/PRINTED NAME AND TITLE | | 9c. SIGNATURE | | 9d. DATE | |
| AMSTA-AR-CCB-DD | | Robert A. Piacente TIPO | | | | 5 JAN 00 | |
| | | | | | | 9e. TELEPHONE (518) 266-5782 | |