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| EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE Attachment 002 | | 1. NATIONAL STOCK NUMBER 2420-01-535-4061 | 2. APPROVAL -BK |
| 3. PART NUMBER <p style="text-align: center;">347/00044</p> | | 4. CAGE <p style="text-align: center;">OJKFO</p> | 5. MODEL NO. |
| 6. NOMENCLATURE <p style="text-align: center;">HIGH-MOBILITY ENGINEER EXCAVATOR, TYPE I (HMEE-I)</p> | | 7. DATE <p style="text-align: center;">2/20/09</p> | 8. REVISION <p style="text-align: center;">1.0</p> |

| 9. NON - REDUCED | | 10. REDUCED | | 11 WEIGHTS | |
|------------------|---------------|-------------|---------------|-------------------|------------|
| 9a. LENGTH | 407.00 IN | 10a. LENGTH | 403.00 IN | 11a. WEIGHT | 30,330 LBS |
| 9b. WIDTH | 96.00 IN | 10b. WIDTH | 95.00 IN | 11b. BII WEIGHT | 140 LBS |
| 9c. HEIGHT | 152.00 IN | 10c. HEIGHT | 102.00 IN | 11c. TOTAL WEIGHT | 30,470 LBS |
| 9d. CUBE | 3436.89 CU FT | 10d. CUBE | 2259.88 CU FT | 12. SHIP TONS | 56.50 |

| 13. PARAGRAPH REF. | 14. NOTE | 15. LEVEL (see note b) | | 13. PARAGRAPH REF. | 14. NOTE | 15. LEVEL (see Note b) | | 13. PARAGRAPH REF. | 14. NOTE | 15. LEVEL (see Note b) | |
|-----------------------|-------------|---------------------------|---|-----------------------|-------------|---------------------------|---|-----------------------|-------------|---------------------------|---|
| | | A | B | | | A | B | | | A | B |
| 4.3 | | X | X | 5.1.5 | | X | | | | | |
| 4.4 | | X | X | 5.1.5.1 | | X | | | | | |
| 4.5 | | X | X | 5.1.6.2 | | X | | | | | |
| 4.6 | | X | X | 5.1.7.3.1 | 7 | X | | | | | |
| 4.7 | | X | X | 5.1.7.3.2 | | X | | | | | |
| 4.9 | 2 | X | X | 5.1.7.3.3 | 7 | X | | | | | |
| 4.11 | | X | X | 5.1.8 | | X | | | | | |
| 4.12 | | X | X | 5.1.10 | | X | | | | | |
| 4.14 | | X | X | 5.1.11 | | X | | | | | |
| 4.15 | | X | X | 5.1.17.1 | | X | | | | | |
| 4.16 | | X | X | 5.2.1 | | | X | | | | |
| 4.17 | 6 | X | X | 5.2.2 | | | X | | | | |
| 4.18 | 3 | X | X | 5.2.3 | | | X | | | | |
| 4.19 | | X | X | 5.2.5 | | | X | | | | |
| 4.20 | | X | | 5.3 | | X | X | | | | |
| 4.21 | | X | | 6.7 | | X | X | | | | |
| 4.22 | | X | | 6.12 | | X | X | | | | |
| 4.23 | | X | X | | | | | | | | |
| 5.1.3 | 5 | X | | | | | | | | | |
| 5.1.4 | 4 | X | X | | | | | | | | |

16 NOTES:

- A. This Equipment Preservation Data Sheet shall be used to detail the unique preservation, packaging, packing, marking, exercising, and preparation of a specific model vehicle for shipment and storage using the standard processes outlined in MIL-STD-3003.
- B. Levels of Protection are defined in paragraph 3.1.1 of MIL-STD-3003. **X=Required; Blank = Not Applicable.**

| (CONTINUATION SHEET) EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 1. NATIONAL STOCK NUMBER 2420-01-535-4061 | 2. APPROVAL -BK | | | | | | | | | |
|--|-------------------------|--|----------------------------------|------------|--------------------|------------|---|------------------------|---|---|-----------------------|---|
| 3. PART NUMBER 347/00044 | 4. CAGE OJKF0 | 5. MODEL NO. | | | | | | | | | | |
| 6. NOMENCLATURE HIGH-MOBILITY ENGINEER EXCAVATOR, TYPE I (HMEE-I) | | 7. DATE 2/20/09 | 8. REVISION 1.0 | | | | | | | | | |
| 9. NOTES: | | | | | | | | | | | | |
| NOTE 1: | | | | | | | | | | | | |
| <p>ON VEHICLE EQUIPMENTS (O.V.E.) AND PECULIAR ITEMS, IF APPLICABLE, SHOWN ON THIS EQUIPMENT PRESERVATION DATA SHEET (EPDS) WILL BE PACKAGED, PACKED AND MARKED AS PRESCRIBED. ANY ITEM LISTED ON THE EPDS THAT IS NOT PROCURED UNDER THE TERMS OF THE CONTRACT FOR WHICH THIS EPDS APPLIES WILL BE DELETED AS A REQUIREMENT AND NOT BE INCLUDED AS PART OF THE O.V.E. PECULIAR ITEMS PACKAGE. ANY O.V.E. PECULIAR ITEM NOT IDENTIFIED ON THIS EPDS THAT IS PROCURED UNDER THE TERMS OF THE CONTRACT FOR WHICH THIS EPDS APPLIES WILL BE REPORTED TO THE PROCUREMENT CONTRACTING OFFICER, REQUESTING A PACKAGING REQUIREMENT CHANGE.</p> | | | | | | | | | | | | |
| NOTE 2: DISASSEMBLY | | | | | | | | | | | | |
| <p>A. IN ADDITION TO THE GENERAL REQUIREMENTS OF PARA. 4.9, THE ITEMS LISTED HEREIN SHALL BE REMOVED, PRESERVED, PACKAGED, PACKED AND STOWED IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS.</p> <ol style="list-style-type: none"> 1. CONTAINER CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE CONTAINER SPECIFICATION. 2. SPECIFIED METHODS ARE PER MIL-STD-2073-1D. INSPECTION SHALL BE PER MIL-STD-2073-1D FOR THE SPECIFIED METHODS. 3. CLEANING SHALL BE PER C-1 OF MIL-STD-2073-1D. 4. ITEMS SHALL BE IDENTIFIED AS TO THE DISASSEMBLY PACK NUMBER, ITEM DESCRIPTION AND QUANTITY PER PACK. 5. COLUMN HEADING "DPN" OF THIS EPDS IS "DISASSEMBLY PACK NUMBER." 6. EXCEPT AS NOTED, BARE FERROUS SURFACES RESULTING FROM THE REMOVAL OF ITEMS SHALL BE PRESERVED WITH MIL-PRF-16173, GRADE 4. | | | | | | | | | | | | |
| <p>B. REMOVED ITEMS:</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>DPN</u></th> <th style="text-align: center;"><u>DESCRIPTION</u></th> <th style="text-align: center;"><u>QTY</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>FRONT WINDSHIELD WIPER</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">2</td> <td>REAR WINDSHIELD WIPER</td> <td style="text-align: center;">1</td> </tr> </tbody> </table> | | | | <u>DPN</u> | <u>DESCRIPTION</u> | <u>QTY</u> | 1 | FRONT WINDSHIELD WIPER | 1 | 2 | REAR WINDSHIELD WIPER | 1 |
| <u>DPN</u> | <u>DESCRIPTION</u> | <u>QTY</u> | | | | | | | | | | |
| 1 | FRONT WINDSHIELD WIPER | 1 | | | | | | | | | | |
| 2 | REAR WINDSHIELD WIPER | 1 | | | | | | | | | | |
| <p>C. DISSASSEMBLED ITEMS SHALL BE PRESERVED AND PACKAGED AS FOLLOWS:</p> <ol style="list-style-type: none"> 1. <u>DPN 1</u> <ol style="list-style-type: none"> A. DISCONNECT WIPER ARM FROM VEHICLE B. RE-INSTALL HARDWARE TO VEHICLE C. WRAP: MIL-PRF-121, TYPE II, SIZE: 6 X 36, SECURE WITH TAPE ASTM-D6123 D. CUSHIONING: A-A-59135, CLASS I, GRADE A, SIZE: 6 X 36 X ¼, SECURE WITH TAPE ASTM-D6123 E. BAG: MIL-DTL-117, TYPE III, CLASS B, STYLE 2, SIZE: 6 X 36 F. INSPECTION: INSPECT ITEM IN ACCORDANCE WITH METHOD 31 2. <u>DPN 2</u> <ol style="list-style-type: none"> A. DISCONNECT WIPER ARM FROM VEHICLE B. RE-INSTALL HARDWARE TO VEHICLE C. WRAP: MIL-PRF-121, TYPE II, SIZE: 6 X 24, SECURE WITH TAPE ASTM-D6123 D. CUSHIONING: A-A-59135, CLASS I, GRADE A, SIZE: 6 X 24 X ¼, SECURE WITH TAPE ASTM-D6123 E. BAG: MIL-DTL-117, TYPE III, CLASS B, STYLE 2, SIZE: 6 X 24 F. INSPECTION: INSPECT ITEM IN ACCORDANCE WITH METHOD 31 3. CONSOLIDATE DPN 1 & 2 AS FOLLOWS: <ol style="list-style-type: none"> A. PLACE DPN 1 & 2 INTO CONTAINER B. CONTAINER: ASTM-D5118, ST RSC, TY CF, CL WR, VR SW, GR W5C, SIZE: 34 X 8 X 2 C. CLOSURE: CLOSE CONTAINER ACCORDING TO ASTM-D1974, METHOD 2B3. D. PLACE CONTAINER ON PASSENGER SEAT OF VEHICLE, SECURE WITH SEAT BELT | | | | | | | | | | | | |

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| (CONTINUATION SHEET) EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 1. NATIONAL STOCK NUMBER 2420-01-535-4061 | 2. APPROVAL -BK |
| 3. PART NUMBER 347/00044 | 4. CAGE OJKF0 | | 5. MODEL NO. |
| 6. NOMENCLATURE HIGH-MOBILITY ENGINEER EXCAVATOR, TYPE I (HMEE-I) | | 7. DATE 2/20/09 | 8. REVISION 1.0 |

9. NOTES:

NOTE 3:

THE BII, COEI AND PECULIAR ITEMS, IF APPLICABLE, SHOWN ON THIS EQUIPMENT PRESERVATION DATA SHEET (EPDS) WILL BE PACKAGED, PACKED AND MARKED AS PRESCRIBED. ANY ITEM LISTED ON THE EPDS THAT IS NOT PROCURED UNDER THE TERMS OF THE CONTRACT FOR WHICH THIS EPDS APPLIES WILL BE DELETED AS A REQUIREMENT AND NOT BE INCLUDED AS PART OF THE BII, COEI AND PECULIAR ITEMS PACKAGED. ANY BII, COEI AND PECULIAR ITEM NOT IDENTIFIED ON THIS EPDS, THAT IS BEING PROCURED UNDER THE TERMS OF THE CONTRACT FOR WHICH THIS EPDS APPLIES WILL BE REPORTED TO THE PROCUREMENT CONTRACTING OFFICER REQUESTING A PACKAGING REQUIREMENTS CHANGE.

NOTE 4A: BII PACKAGING

- A. IN ADDITION TO THE GENERAL REQUIREMENTS OF PARA. 4.16, THE ITEMS LISTED HEREIN SHALL BE PRESERVED, PACKAGED, PACKED, AND STOWED IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS.
1. CLOSURE, SEALING, AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH SPECIFIC, APPLICABLE METHODS OF ASTM D1974, OR AS REFERENCED IN THE CONTAINER SPECIFICATION. ALL BAGS SHALL BE HEAT SEALED.
 2. SPECIFIED METHODS ARE PER MIL-STD-2073-1D. INSPECTION SHALL BE PER MIL-STD-2073-1D FOR THE SPECIFIED METHODS.
 3. CLEANING SHALL BE PER C-1 OF MIL-STD-2073-1D.
 4. SIZES OF WRAPS, CUSHIONING, CARTONS, ETC. ARE LISTED AS APPROXIMATES ONLY. VARIANCES TO SIZES ARE ALLOWABLE IF PROTECTION IS MAINTAINED.
 5. ALL SIZES ARE INCHES UNLESS OTHERWISE STATED.
 6. ITEMS SHALL BE IDENTIFIED AS TO THE SEGREGATED PACK NUMBER, ITEM PART NUMBER, ITEM DESCRIPTION AND QUANTITY PER PACK.
 7. COLUMN HEADING "SPN" OF THIS EPDS IS "SEGREGATED PACK NUMBER."

B. BII PACKING LIST

| <u>SPN</u> | <u>DESCRIPTION</u> | <u>PART NUMBER</u> | <u>NSN</u> | <u>QTY</u> |
|------------|---|--------------------|------------------|------------|
| 1 | STRAP, CAM | 332/C0777 | NA | 13 |
| 2 | WRENCH, RATCHET, SOCKET 3/8 DRIVE | 332/D9279 | NA | 1 |
| 3 | SOCKET SET | 332/C4079 | NA | 1 |
| 4 | DRIFT, PIN REMOVAL | 347/10456 | NA | 1 |
| 5 | INFLATOR ASSEMBLY, TIRE | 347/00452 | NA | 1 |
| 6 | GAUGE, POCKET, TIRE PRESSURE | 347/22124 | NA | 1 |
| 7A | GUN, GREASE | 347/22125 | 4930-00-253-2478 | 1 |
| 7B | ADAPTER, GREASE GUN, 10" | 347/22126 | 4930-00-288-1511 | 1 |
| 8 | PLIERS, COMBINATION, GENERAL PURPOSE | 347/22127 | NA | 1 |
| 9 | SCREWDRIVER, COMBINATION, GENERAL PURPOSE | 347/22128 | 5120-01-243-5369 | 1 |
| 10 | WRENCH, ADJUSTABLE, 12" | 347/22129 | 5120-00-264-3796 | 1 |
| 11 | BAR, PINCH, 20" | 347/22130 | 5120-01-355-2068 | 1 |
| 12 | HAMMER, DEAD BLOW | 347/22132 | NA | 1 |
| 13 | HAMMER, BALL PEEN, 3# | 347/22133 | 5120-00-900-6111 | 1 |
| 14 | SLING ASSEMBLY, LIFTING-BRIDLE | 332/D9336 | NA | 1 |
| 15 | HARNESS, ASSEMBLY, HEADLIGHTS RELOCATION | 332/C7647 | 6150-01-550-0691 | 1 |
| 16 | FIRE EXTINGUISHER | 347/20015 | 4210-00-965-1105 | 1 |
| 17 | SHACKLE, LIFTING | 918/66900 | NA | 1 |
| 18 | WRENCH, ADJUSTABLE, 15" | 332/D9278 | NA | 1 |
| 19 | WRENCH, COMBINATION 17MM | 332/D9288 | NA | 1 |
| 20 | WRENCH, COMBINATION 19MM | 332/D9289 | NA | 1 |
| 21 | PADLOCKS (3) | 332/C3972 | 5340-01-484-8654 | 1 |
| 22 | WRENCH, ADJUSTABLE, 6" | 347/23724 | NA | 1 |
| 23 | WRENCH, COMBINATION 10MM | 347/23725 | NA | 1 |
| 24 | SHARPENING KIT, SAW | 347/22604 | NA | 1 |

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| 3. PART NUMBER 347/00044 | 4. CAGE OJKF0 | 5. MODEL NO. | |
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9. NOTES:

B. BII PACKING LIST CONT.

| <u>SPN</u> | <u>DESCRIPTION</u> | <u>PART NUMBER</u> | <u>NSN</u> | <u>QTY</u> |
|------------|------------------------------------|--------------------|------------|------------|
| 25 | SCRENCH, SAW | 347/22530 | NA | 1 |
| 26 | SOCKET, 3/8 DRIVE, 6 PT DEEP, 10MM | 332/D9282 | NA | 1 |
| 27 | SOCKET, 3/8 DRIVE, 6 PT DEEP, 13MM | 332/D9283 | NA | 1 |
| 28 | SOCKET, 3/8 DRIVE, 6 PT DEEP, 17MM | 332/D9284 | NA | 1 |
| 29 | SOCKET, 3/8 DRIVE, 6 PT DEEP, 19MM | 332/D9285 | NA | 1 |
| 30 | EXTENSION, SOCKET, 3/8 DRIVE, 6" | 332/D9287 | NA | 1 |
| 31 | STRAP, RATCHET | 332/E2699 | NA | 1 |
| 32 | STRAP, RATCHET | 332/D9334 | NA | 1 |
| 33 | DUCT HOSE | 332/D6636 | NA | 1 |
| 34 | CLAMP FOR DEFROST DUCT HOSE | 2201/0016 | NA | 2 |
| 35 | STRAP WEBBING | 332/D9335 | NA | 1 |
| 53 | CLAMP FOR DEFROST DUCT HOSE | 22010008 | NA | 1 |

C. PREPARE BII ITEMS IN ACCORDANCE WITH THE FOLLOWING:

1. SPN 1, STRAP, CAM, P/N: 332/C0777, QTY 13.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 12 X 12
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 1"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

2. SPN 2, WRENCH, RATCHET, SOCKET 3/8 DRIVE, P/N: 332/D9279 , QTY 1.
 - A. BAG: MIL-B-22020, SIZE: 4-1/2 X 12
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 2"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20

3. SPN 3, SOCKET SET, P/N: 332/C4079, QTY 1.
 - A. IDENTIFICATION: SPN 3 CONSISTS OF:
 1. METAL BOX, P/N: 347/23667, QTY 1
 2. 3" EXTENSION SOCKET, P/N: 347/23677, QTY 1
 3. SOCKET, 3/4" DRIVE, 3/4", P/N: 347/23668, QTY 1
 4. SOCKET, 3/4" DRIVE, 1", P/N: 347/22670, QTY 1
 5. SOCKET, 3/4" DRIVE, 1-1/8", P/N: 347/23672, QTY 1
 6. SOCKET, 3/4" DRIVE, 1-5/16", P/N: 347/23675, QTY 1
 7. SOCKET, 3/4" DRIVE, 17MM, P/N: 347/23661, QTY 1
 8. SOCKET, 3/4" DRIVE, 19MM, P/N: 347/23662, QTY 1
 9. SOCKET, 3/4" DRIVE, 22MM, P/N: 347/23663, QTY 1
 10. SOCKET, 3/4" DRIVE, 24MM, P/N: 347/23664, QTY 1
 11. SOCKET, 3/4" DRIVE, 30MM, P/N: 347/23665, QTY 1
 - B. PRESERVATION: APPLY MIL-PRF-16173 , GRADE 4 TO ITEMS 2-11
 - C. WRAP: ITEMS 2-6 IN MIL-PRF-121, TY I, SIZE: 12 X 18, AND ITEMS 7-11 IN MIL-PRF-121, TY I, SIZE: 12 X 18, SECURE WITH TAPE ASTM-D6123
 - D. CONSOLIDATION: PLACE ITEMS 2-6 AND 7-11 INTO ITEM 1
 - E. CUSHIONING: WRAP ITEM 1 (P/N: 347/23667) IN A-A-59135, CLASS I, GRADE A, SIZE: 18 X 24 X 1/4, SECURE WITH TAPE ASTM-D6123
 - F. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 3"
 - G. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

4. SPN 4, DRIFT, PIN REMOVAL, P/N: 347/10456, QTY 1.
 - A. CUSHIONING: A-A-59135, CLASS I, GRADE A, SIZE: 12 X 18 X 1/4, SECURE WITH TAPE ASTM-D6123
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 4"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10

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|---|--|--------------------------|---------|--------------|-------------|
| (CONTINUATION SHEET) | | 1. NATIONAL STOCK NUMBER | | 2. APPROVAL | |
| EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 2420-01-535-4061 | | -BK | |
| 3. PART NUMBER | | 4. CAGE | | 5. MODEL NO. | |
| 347/00044 | | OJKF0 | | | |
| 6. NOMENCLATURE | | | 7. DATE | | 8. REVISION |
| HIGH-MOBILITY ENGINEER EXCAVATOR, TYPE I (HMEE-I) | | | 2/20/09 | | 1.0 |

9. NOTES:

5. SPN 5, INFLATOR ASSEMBLY, TIRE, P/N: 347/00452, QTY 1.
 - A. CUSHIONING: WRAP BIG ENDS IN A-A-59135, CLASS I, GRADE A, SIZE: 12 X 12 X ¼, SECURE WITH TAPE ASTM-D6123
 - B. CUSHIONING: WRAP SMALL ENDS IN A-A-59135, CLASS I, GRADE A, SIZE: 6 X 6 X ¼, SECURE WITH TAPE ASTM-D6123
 - C. BAG: MIL-DTL-117, TY II, CL C, ST 1, SIZE: 20 X 25
 - D. PROTECTION: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 24 X 30
 - E. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 5"
 - F. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

6. SPN 6, GAUGE, POCKET, TIRE PRESSURE, P/N: 347/22124, QTY 1.
 - A. BAG: MIL-DTL-117, TYPE III, CLASS B, STYLE 2, SIZE: 3 X 12
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 6"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10

7. SPN 7A & B, SEE NOTE 4A-B FOR DESCRIPTIONS, PART NUMBERS, AND QUANTITIES
 - A. CUSHIONING: A-A-59135, CLASS I, GRADE A, SIZE: 12 X 18 X ¼, SECURE WITH TAPE ASTM-D6123
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 7A & 7B"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10

8. SPN 8, PLIERS, COMBINATION, GENERAL PURPOSE, P/N: 347/22127, QTY 1.
 - A. BAG: MIL-B-22020, CL 1, SIZE: 4-1/2 X 12
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 8"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10

9. SPN 9, SCREWDRIVER, COMBINATION, GENERAL PURPOSE, P/N: 347/22128, QTY 1.
 - A. ITEM PREPERATION: REMOVE TIP, BAG TOGETHER
 - B. BAG: MIL-B-22020, CL 1, SIZE: 6 X 8
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 9"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

10. SPN 10, WRENCH, ADJUSTABLE, 12", P/N: 347/22129, QTY 1.
 - A. BAG: MIL-PRF-121, TY I, SIZE: 6 X 16
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 10"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20

11. SPN 11, BAR, PINCH, 20", P/N: 347/22130, QTY 1.
 - A. PRESERVATION: MIL-PRF-16173, GR 4.
 - B. WRAP: MIL-PRF-121, TY I, SIZE: 6 X 24, SECURE WITH TAPE ASTM-D6123
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 11"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20

12. SPN 12, HAMMER, DEAD BLOW, P/N: 347/22132, QTY 1.
 - A. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 12"
 - B. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10

13. SPN 13, HAMMER, BALL PEEN, 3#, P/N: 347/22133, QTY 1.
 - A. PRESERVATION: MIL-PRF-16173, GR 4, APPLY TO HEAD
 - B. WRAP: MIL-PRF-121, TY I, SIZE: 12 X 12 AROUND HEAD, SECURE WITH TAPE ASTM D-6123
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 13"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20

14. SPN 14, SLING ASSEMBLY, LIFTING-BRIDLE, P/N: 332/D9336, QTY 1.
 - A. CUSHIONING: WRAP HOOK ENDS AND RINGS IN A-A-59135, CLASS I, GRADE A, SIZE: 6 X 12 X ¼, SECURE WITH TAPE ASTM D-6123
 - B. BAG: MIL-DTL-117, TY II, CL C, ST 1, SIZE: 16 X 16
 - C. PROTECTION: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 16 X 16
 - D. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 14"
 - E. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

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9. NOTES:

15. SPN 15, HARNESS, ASSEMBLY, HEADLIGHTS RELOCATION, P/N: 332/C7647, QTY 1.
- CUSHIONING: WRAP ENDS IN A-A-59135, CLASS I, GRADE A, SIZE: 6 X 6 X ¼, SECURE WITH TAPE ASTM D-6123
 - BAG: MIL-DTL-117, TY II, CL C, ST 1, SIZE: 16 X 16
 - PROTECTION: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 18 X 18
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 15"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
16. SPN 16, FIRE EXTINGUISHER, P/N: 347/20015, QTY 1.
- CUSHIONING: A-A-59135, CLASS I, GRADE A, SIZE: 18 X 24 X 1/8, SECURE WITH TAPE ASTM D-6123
 - CONTAINER: ASTM-D5118, ST RSC, TY SF, CL DOM, VAR SW, GR 125, SIZE: 6-1/2 X 4 X 15
 - MARK ACCORDING TO HAZARDOUS MATERIAL REGULATIONS
 - BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 12 X 24
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 16"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 32
17. SPN 17, SHACKLE, LIFTING, P/N: 918/66900, QTY 1.
- BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 6 X 8
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 17"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20
18. SPN 18, WRENCH, ADJUSTABLE, 15", P/N: 332/D9278, QTY 1.
- BAG: MIL-PRF-121, TY I, SIZE: 6 X 20
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 18"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20
19. SPN 19, WRENCH, COMBINATION 17MM, P/N: 332/D9288, QTY 1.
- BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 3 X 12
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 19"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
20. SPN 20, WRENCH, COMBINATION 19MM, P/N: 332/D9289, QTY 1.
- BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 3 X 14
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 20"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
21. SPN 21, PADLOCKS (3), P/N: 332/C3972, QTY 1.
- CUSHION EACH PADLOCK AND KEY WITH 1/8" FOAM IF VENDOR CONTAINER IS NOT SUPPLIED, THEN ALL INTO A BAG
 - CUSHIONING: A-A-59135, CLASS I, GRADE A, SIZE: 6 X 6 X 1/8, SECURE WITH TAPE ASTM D-6123
 - BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 8 X 10
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 21"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 32
22. SPN 22, WRENCH, ADJUSTABLE, 6", P/N: 347/23724, QTY 1.
- BAG: MIL-PRF-121, TY I, SIZE: 6 X 8
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 22"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20
23. SPN 23, WRENCH, COMBINATION 10MM, P/N: 347/23725, QTY 1.
- BAG: MIL-B-22020, CL 1, SIZE: 4 X 6
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 23"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20

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|---|-------------------------|---|---------------------------|
| (CONTINUATION SHEET) EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 1. NATIONAL STOCK NUMBER 2420-01-535-4061 | 2. APPROVAL -BK |
| 3. PART NUMBER 347/00044 | 4. CAGE OJKF0 | 5. MODEL NO. | |
| 6. NOMENCLATURE HIGH-MOBILITY ENGINEER EXCAVATOR, TYPE I (HMEE-I) | | 7. DATE 2/20/09 | 8. REVISION 1.0 |

9. NOTES:

- 24. SPN 24, SHARPENING KIT, SAW, P/N: 347/22604, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 8 X 16
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 24"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 25. SPN 25, SCRENCH, SAW, P/N: 347/22530, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 6 X 8
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 25"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 26. SPN 26, SOCKET, 3/8 DRIVE, 6 PT DEEP, 10MM, P/N: 332/D9282, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 3 X 5
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 26"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 27. SPN 27, SOCKET, 3/8 DRIVE, 6 PT DEEP, 13MM, P/N: 332/D9283, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 3 X 5
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 27"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 28. SPN 28, SOCKET, 3/8 DRIVE, 6 PT DEEP, 17MM, P/N: 332/D9284, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 3 X 5
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 28"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 29. SPN 29, SOCKET, 3/8 DRIVE, 6 PT DEEP, 19MM, P/N: 332/D9285, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 4 X 6
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 29"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 30. SPN 30, EXTENSION, SOCKET, 3/8 DRIVE, 6", P/N: 332/D9287, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 5 X 7
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 30"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 31. SPN 31, STRAP, RATCHET, P/N: 332/E2699, QTY 1.
 - A. CUSHIONING: A-A-59135, CLASS I, GRADE A, SIZE: 12 X 12 X 1/4, SECURE WITH TAPE ASTM D-6123
 - B. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 12 X 12
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 31"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 32. SPN 32, STRAP, RATCHET, P/N: 332/D9334, QTY 1.
 - A. CUSHIONING: A-A-59135, CLASS I, GRADE A, SIZE: 12 X 12 X 1/4, SECURE WITH TAPE ASTM D-6123
 - B. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 12 X 12
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 32"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 33. SPN 33, DUCT HOSE, P/N: 332/D6636, QTY 1.
 - A. ITEM PREPARATION: COMPRESS HOSE TO FIT SEALED BAG
 - B. BAG: MIL-DTL-117, TY II, CL C, ST 1, SIZE: 8 X 36
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 33"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 34. SPN 34, CLAMP FOR DEFROST DUCT HOSE, P/N: 2201/0016, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 6 X 8
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 34"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

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| (CONTINUATION SHEET) | | 1. NATIONAL STOCK NUMBER | | 2. APPROVAL | |
| EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 2420-01-535-4061 | | -BK | |
| 3. PART NUMBER | | 4. CAGE | | 5. MODEL NO. | |
| 347/00044 | | OJKF0 | | | |
| 6. NOMENCLATURE | | | 7. DATE | | 8. REVISION |
| HIGH-MOBILITY ENGINEER EXCAVATOR, TYPE I (HMEE-I) | | | 2/20/09 | | 1.0 |

9. **NOTES:**

- 35. SPN 35, STRAP WEBBING, P/N: 332/D9335, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 6 X 16
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 35"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- 36. SPN 53, CLAMP FOR DEFROST DUCT HOSE, P/N: 2201/0008, QTY 1.
 - A. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 4 X 6
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 53"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

- D. CONSOLIDATION: CONSOLIDATE SPN'S 1,2,6,8-10,12,13,17-32,34,35 INTO CONTAINER CONFORMING TO ASTM-D5118, ST RSC, TY CF, CL WR, VAR SW, GR W5c, SIZE: 25 X 9 X 5 TO FORM A MISCELLANEOUS CARTON.
- E. PACKING: PLACE REMAINING SPN'S ALONG WITH MISCELLANEOUS CARTON INTO SHIPPING CONTAINER CONFORMING TO ASTM D6251, TYPE III, CLASS 2, STYLE A, SIZE: 45-3/4 X 22 X 7-1/4.
- F. MARK OUTSIDE OF SHIPPING CONTAINER WITH "BII". USE MINIMUM 3/4" STENCIL. STENCIL SHALL BE APPLIED DIRECTLY TO THE SHIPPING CONTAINER.
- G. PACKING LISTS SHALL HAVE ALL OF THE INFORMATION PROVIDED IN NOTE C. IT SHALL BE AFFIXED TO THE OUTSIDE OF THE CONTAINER IN A WATERPROOF BAG.
- H. SECURE CONTAINER TO COEI SHIPPING CONTAINER AND THEN BOTH TO THE FRONT BUCKET USING 3/4" FLAT STEEL STRAPPING IN ACCORDANCE WITH ASTM-D-3953, REGULAR DUTY, STANDARD GRADE, PAINTED WITH PUSH OR OVERLAP SEAL. NOTE: BII KIT SHALL BE ON TOP OF THE COEI KIT.

NOTE 4B: COEI PACKAGING

- A. IN ADDITION TO THE GENERAL REQUIREMENTS OF PARA. 4.16, THE ITEMS LISTED HEREIN SHALL BE PRESERVED, PACKAGED, PACKED, AND STOWED IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS.
 - 1. CLOSURE, SEALING, AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH SPECIFIC, APPLICABLE METHODS OF ASTM D1974, OR AS REFERENCED IN THE CONTAINER SPECIFICATION.
 - 2. SPECIFIED METHODS ARE PER MIL-STD-2073-1D. INSPECTION SHALL BE PER MIL-STD-2073-1D FOR THE SPECIFIED METHODS.
 - 3. CLEANING SHALL BE PER C-1 OF MIL-STD-2073-1D.
 - 4. SIZES OF WRAPS, CUSHIONING, CARTONS, ETC. ARE LISTED AS APPROXIMATES ONLY. VARIANCES TO SIZES ARE ALLOWABLE IF PROTECTION IS MAINTAINED.
 - 5. ALL SIZES ARE INCHES UNLESS OTHERWISE STATED.
 - 6. ITEMS SHALL BE IDENTIFIED AS TO THE SEGREGATED PACK NUMBER, ITEM PART NUMBER, ITEM DESCRIPTION AND QUANTITY PER PACK.
 - 7. COLUMN HEADING "SPN" OF THIS EPDS IS "SEGREGATED PACK NUMBER."

A. COEI PACKING LIST

| SPN | DESCRIPTION | PART NUMBER | NSN | QTY |
|-----|---|------------------------|------------------|-----|
| 36 | DIPPER TROLLEY | 347/00427 OR 347/00424 | NA | 1 |
| 37 | STRUT, FRONT BUCKET LOADER ARM CYLINDER | 332/C4525 OR 347/C4521 | NA | 2 |
| 38 | STRUT, FRONT BUCKET CROWD CYLINDER | 332/C4524 OR 332/C4520 | NA | 1 |
| 39 | STRUT, BACKHOE BUCKET CROWD CYLINDER | 332/C4523 OR 332/C4519 | NA | 1 |
| 40 | STRUT, FRONT BUCKET LOADER ARM CYLINDER | 332/C4526 OR 332/C4522 | NA | 1 |
| 41 | BREAKER, PAVING | 347/22518 | 3820-01-242-1440 | 1 |
| 42 | SPADE, PAVING BREAKER | 347/22523 | 3820-01-242-1210 | 1 |
| 43 | MOIL POINT, PAVING BREAKER | 347/22522 | 3820-01-160-2901 | 1 |
| 44 | CHISEL, PAVING BREAKER | 347/22521 | 3820-01-161-4753 | 1 |
| 45 | HAMMER-DRILL, HYDRAULIC | 347/22520 | 5130-01-178-6338 | 1 |
| 46 | BIT, CARBIDE 3/4" X 24", SKILL #736 HEX SHANK | 347/22526 | NA | 1 |
| 47 | DRILL, MASONRY, POWER | 347/22525 | 5130-00-061-4115 | 1 |
| 48 | STAR DRILL, PAVING BIT | 347/22524 | 3820-01-232-8048 | 1 |
| 49 | PICKET POUNDER, VEH | 347/22602 | 2590-01-480-9166 | 1 |

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|---|--|--------------------------|---------|--------------|-------------|
| (CONTINUATION SHEET) | | 1. NATIONAL STOCK NUMBER | | 2. APPROVAL | |
| EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 2420-01-535-4061 | | -BK | |
| 3. PART NUMBER | | 4. CAGE | | 5. MODEL NO. | |
| 347/00044 | | OJKF0 | | | |
| 6. NOMENCLATURE | | | 7. DATE | | 8. REVISION |
| HIGH-MOBILITY ENGINEER EXCAVATOR, TYPE I (HMEE-I) | | | 2/20/09 | | 1.0 |

9. NOTES:

COEI PACKING LIST CONT.

| SPN | DESCRIPTION | PART NUMBER | NSN | QTY |
|------------|--------------------|--------------------|------------------|------------|
| 50 | CHAIN SAW | 347/22519 | NA | 1 |
| 51 | SHEATH | 347/22603 | NA | 1 |
| 52 | WRENCH, IMPACT | 347/22121 | 5130-01-300-6052 | 1 |

B. PREPARE COEI ITEMS IN ACCORDANCE WITH THE FOLLOWING:

1. SPN 36, DIPPER TROLLEY, P/N: 347/00427 OR 347/00424 , QTY 1.
 - A. CONTAINER: ASTM-D5118, ST RSC, CL WR, VAR SW, GR W5c, SIZE: 25-1/2 X 17 X 7
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 36"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10
2. SPN 37, STRUT, FRONT BUCKET LOADER ARM CYLINDER, P/N: 332/C4525 OR 347/C4521, QTY 2.
 - A. PLACE ASTM D-4727, TY CF, CL DOM, VAR SW, GR 200, SIZE: 9 X 5 SW PAD BETWEEN THE TWO STRUTS.
 - B. CONTAINER: ASTM-D5118, ST RSC, CL WR, VAR SW, GR W5c, SIZE: 9 X 9 X 5
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 37"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10
3. SPN 38, STRUT, FRONT BUCKET CROWD CYLINDER, P/N: 332/C4524 OR 332/C4520, QTY 1.
 - A. CONTAINER: ASTM-D5118, ST RSC, CL WR, VAR SW, GR W5c, SIZE: 22-1/2 X 5 X 4
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 38"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10
4. SPN 39, STRUT, BACKHOE BUCKET CROWD CYLINDER, P/N: 332/C4523 OR 332/C4519, QTY 1.
 - A. CONTAINER: ASTM-D5118, ST RSC, CL WR, VAR SW, GR W5c, SIZE: 29-1/2 X 9 X 9
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 39"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 41
5. SPN 40, STRUT, FRONT BUCKET LOADER ARM CYLINDER, P/N: 332/C4526 OR 332/C4522, QTY 1.
 - A. CONTAINER: ASTM-D5118, ST RSC, CL WR, VAR SW, GR W5c, SIZE: 31-1/2 X 4 X 4
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 40"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10
6. SPN 41, BREAKER, PAVING, P/N: 347/22518, QTY 1.
 - A. BLOCKING: ASTM-D5118, ST RSC, TY CF, CL D, VAR SW, GR 200, SIZE: 27 X 4 X 4
 - BLOCKING: ASTM-D5118, ST RSC, TY CF, CL D, VAR SW, GR 200, SIZE: 21 X 4 X 4 ON HOSE SIDE
 - B. CONTAINER: ASTM-D5118, ST FOL, TY CF, CL D, VAR SW, GR 200, SIZE: 32-1/2 X 19-1/2 X 7
 - C. ALTERNATE PACKAGING: VENDOR PACKAGING IS ALLOWABLE FOR USE IF IT MEETS THE CONTAINER SIZE REQUIREMENTS ABOVE AND THE PROTECTION REQUIREMENTS FOR METHOD 10 (PHYSICAL PRESERVATION)
 - D. BAG: MIL-DTL-117, TY I, CL E, ST 1, SIZE: 36 X 44
 - E. PROTECTIVE WRAP: MIL-PRF-22191, TY 3, CL 1, SIZE: 72 X 44 , SECURE WITH TAPE ASTM D-6123
 - F. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 41"
 - G. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 41
7. SPN 42, SPADE, PAVING BREAKER, P/N: 347/22523, QTY 1.
 - A. CUSHIONING: WRAP IN A-A-59135, CL I, GR A, SIZE: 18 X 24 X 1/4, SECURE WITH TAPE ASTM -D6123
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 42"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10
8. SPN 43, MOIL POINT, PAVING BREAKER, P/N: 347/22522, QTY 1.
 - A. CUSHIONING: WRAP IN A-A-59135, CL I, GR A, SIZE: 7 X 24 X 1/4, SECURE WITH TAPE ASTM-D6123
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 43"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10
9. SPN 44, CHISEL, PAVING BREAKER, P/N: 347/22521, QTY 1.
 - A. CUSHIONING: WRAP IN A-A-59135, CL I, GR A, SIZE: 18 X 24 X 1/4, SECURE WITH TAPE ASTM D-6123
 - B. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 44"
 - C. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 10

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|---|--|--------------------------|--|--------------|--|
| (CONTINUATION SHEET) | | 1. NATIONAL STOCK NUMBER | | 2. APPROVAL | |
| EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 2420-01-535-4061 | | -BK | |
| 3. PART NUMBER | | 4. CAGE | | 5. MODEL NO. | |
| 347/00044 | | OJKFO | | | |
| 6. NOMENCLATURE | | 7. DATE | | 8. REVISION | |
| | | | | | |

9. NOTES:

10. SPN 45, HAMMER-DRILL, HYDRAULIC, P/N: 347/22520, QTY 1.
- PRESERVATION: MIL-PRF-16173, GR 4 INSIDE CYLINDER
 - BLOCKING: ASTM-D5118, ST RSC, TY CF, CL D, VAR SW, GR 200, SIZE: 21 X 5 X 4
BLOCKING: ASTM-D5118, ST RSC, TY CF, CL D, VAR SW, GR 200, SIZE: 14 X 5 X 3 ON HOSE SIDE
 - CONTAINER: ASTM-D5118, ST FOL, TY CF, CL D, VAR SW, GR 200, SIZE: 26 X 14-1/2 X 5-1/2
 - ALTERNATE PACKAGING: VENDOR PACKAGING IS ALLOWABLE FOR USE IF IT MEETS THE CONTAINER SIZE REQUIREMENTS ABOVE AND THE PROTECTION REQUIREMENTS FOR METHOD 10 (PHYSICAL PRESERVATION)
 - BAG: MIL-DTL-117, TY I, CL E, ST 1, SIZE: 36 X 24
 - PROTECTIVE WRAP: MIL-PRF-22191, TY 3, CL 1, SIZE: 48 X 36 , SECURE WITH TAPE ASTM D-6123
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 45"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 41
11. SPN 46, BIT, CARBIDE 3/4" X 24", SKILL #736 HEX SHANK, P/N: 347/22526, QTY 1.
- PRESERVATION: MIL-PRF-16173, GR 4
 - CUSHIONING: WRAP IN A-A-59135, CL I, GR A, SIZE: 12 X 28 X 1/4, SECURE WITH TAPE ASTM D-6123
 - ALTERNATE PACKAGING: IF BIT IS PROVIDED WITH SOLID THERMOFORMED PLASTIC TUBING USE INSTEAD OF CUSHIONING.
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 46"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20
12. SPN 47, DRILL, MASONRY, POWER, P/N: 347/22525, QTY 1.
- PRESERVATION: MIL-PRF-16173, GR 4
 - CUSHIONING: WRAP IN A-A-59135, CL I, GR A, SIZE: 12 X 28 X 1/4, SECURE WITH TAPE ASTM D-6123
 - ALTERNATE PACKAGING: IF BIT IS PROVIDED WITH SOLID THERMOFORMED PLASTIC TUBING USE INSTEAD OF CUSHIONING.
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 47"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20
13. SPN 48, STAR DRILL, PAVING BIT, P/N: 347/22524, QTY 1.
- PRESERVATION: MIL-PRF-16173, GR 4
 - CUSHIONING: WRAP IN A-A-59135, CL I, GR A, SIZE: 18 X 28 X 1/4, SECURE WITH TAPE ASTM D-6123
 - ALTERNATE PACKAGING: IF BIT IS PROVIDED WITH SOLID THERMOFORMED PLASTIC TUBING USE INSTEAD OF CUSHIONING.
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 48"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 20
14. SPN 49, PICKET POUNDER, VEH, P/N: 347/22602, QTY 1.
- BLOCKING: ASTM-D5118, ST RSC, TY CF, CL D, VAR SW, GR 200, SIZE: 31 X 5 X 3
 - BLOCKING: ASTM-D5118, ST RSC, TY CF, CL D, VAR SW, GR 200, SIZE: 31 X 5 X 3
 - CONTAINER: ASTM-D5118, ST FOL, TY CF, CL DOM, VAR SW, GR 200, SIZE: 32 X 10 X 9
 - ALTERNATE PACKAGING: VENDOR PACKAGING IS ALLOWABLE FOR USE IF IT MEETS THE CONTAINER SIZE REQUIREMENTS ABOVE AND THE PROTECTION REQUIREMENTS FOR METHOD 10 (PHYSICAL PRESERVATION)
 - BAG: MIL-DTL-117, TY I, CL E, ST 1, SIZE: 26 X 48
 - PROTECTIVE WRAP: MIL-PRF-22191, TY 3, CL 1, SIZE: 72 X 48 , SECURE WITH TAPE ASTM D-6123
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 49"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 41
15. SPN 50, CHAIN SAW, P/N: 347/22519, QTY 1.
- BLOCKING: ASTM-D5118, ST RSC, TY CF, CL D, VAR SW, GR 200, SIZE: 17 X 8 X 8
 - CONTAINER: ASTM-D5118, ST FOL, TY CF, CL D, VAR SW, GR 200, SIZE: 40 X 11-1/2 X 9
 - ALTERNATE PACKAGING: VENDOR PACKAGING IS ALLOWABLE FOR USE IF IT MEETS THE CONTAINER SIZE REQUIREMENTS ABOVE AND THE PROTECTION REQUIREMENTS FOR METHOD 10 (PHYSICAL PRESERVATION)
 - BAG: MIL-DTL-117, TY I, CL E, ST 1, SIZE: 24 X 53
 - PROTECTIVE WRAP: MIL-PRF-22191, TY 3, CL 1, SIZE: 53 x 48 , SECURE WITH TAPE ASTM D-6123
 - IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 50"
 - INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 41

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| (CONTINUATION SHEET) EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 1. NATIONAL STOCK NUMBER 2420-01-535-4061 | | 2. APPROVAL -BK | |
| 3. PART NUMBER 347/00044 | | 4. CAGE OJKFO | | 5. MODEL NO. | |
| 6. NOMENCLATURE HIGH-MOBILITY ENGINEER EXCAVATOR, TYPE I (HMEE-I) | | | 7. DATE 2/20/09 | | 8. REVISION 1.0 |

9. NOTES:

16. SPN 51, SHEATH, P/N: 347/22603, QTY 1.

- A. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 51"
- B. CONSOLIDATION: PLACE ON SPN 50

17. SPN 52, IMPACT WRENCH, P/N: 347/22121, QTY 1.

- A. CONTAINER: ASTM-D5118, ST RSC, TY CF, CL D, VAR SW, GR 200, SIZE: 12 X 10 X 4
- B. ALTERNATE PACKAGING: VENDOR PACKAGING IS ALLOWABLE FOR USE IF IT MEETS THE CONTAINER SIZE REQUIREMENTS ABOVE AND THE PROTECTION REQUIREMENTS FOR METHOD 10 (PHYSICAL PRESERVATION)
- C. BAG: MIL-DTL-117, TY I, CL E, ST 1, SIZE: 24 X 24
- D. PROTECTIVE WRAP: MIL-PRF-22191, TY 3, CL 1, SIZE: 24 X 53, SECURE WITH TAPE ASTM D-6123
- E. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 52"
- F. INSPECTION: INSPECT THE ITEM IN ACCORDANCE WITH METHOD 41.

- A. CONSOLIDATION: CONSOLIDATE SPN'S 7-9 AND 11-13 INTO CONTAINER CONFORMING TO ASTM-D5118, ST RSC, TY CF, CL WR, VAR SW, GR W5c, SIZE: 28 X 10 X 5 TO FORM A MISCELLANEOUS CARTON.
- B. PACKING: PLACE REMAINING SPN'S AND MISCELLANEOUS CONTAINER INTO SHIPPING CONTAINER CONFORMING TO ASTM D6251, TYPE III, CLASS 2, STYLE A, SIZE: 45-3/4 X 39 X 18-1/2.
- C. MARK OUTSIDE OF SHIPPING CONTAINER WITH "GREEN COEI" OR "TAN COEI" DEPENDING ON WHICH COLORED VEHICLE WAS ORDERED. USE MINIMUM 3/4" STENCIL. STENCIL SHALL BE APPLIED DIRECTLY TO THE SHIPPING CONTAINER.
- D. PACKING LISTS SHALL HAVE ALL OF THE INFORMATION PROVIDED IN NOTE B. IT SHALL BE AFFIXED TO THE OUTSIDE OF THE CONTAINER IN A WATERPROOF BAG.
- E. SECURE CONTAINER TO COEI SHIPPING CONTAINER AND THEN BOTH TO THE FRONT BUCKET USING 3/4" FLAT STEEL STRAPPING IN ACCORDANCE WITH ASTM-D-3953, REGULAR DUTY, STANDARD GRADE, PAINTED WITH PUSH OR OVERLAP SEAL.

NOTE 5:

BATTERIES, CABLES, AND RETAINERS SHALL BE INSTALLED AND FULLY OPERATIONAL UNLESS OTHERWISE SPECIFIED. IF STORAGE IS TO EXCEED 30 DAYS, BATTERIES SHALL BE DISCONNECTED AND CABLE ENDS SHALL BE SECURED WITH TAPE CONFORMING TO ASTM D5330 TO PREVENT CONTACT WITH THE TERMINALS. A TAG STATING "BATTERIES ARE DISCONNECTED" IS TO BE PLACED IN THE DRIVERS COMPARTMENT. DO NOT SECURE BATTERIES WITH STEEL STRAPPING

NOTE 6:

NORMAL OPERATING LUBRICANTS MAY BE USED FOR LEVEL B ONLY.

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| (CONTINUATION SHEET) EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 1. NATIONAL STOCK NUMBER 2420-01-535-4061 | 2. APPROVAL -BK |
| 3. PART NUMBER 347/00044 | 4. CAGE OJKF0 | 5. MODEL NO. | |
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9. NOTES:

NOTE 7:

OPERATE THE ENGINE AT HIGH IDLE UNTIL THE COOLANT TEMPERATURE IS 71°C [160°F]. WHILE OBTAINING HIGH IDLE YOU ARE ABLE TO MONITOR THE VITAL ENGINE FUNCTIONS THROUGH THE EMS (ELECTRONIC MONITORING SYSTEM). THE EMS TAKES THE VOLTAGE SIGNAL FROM THE TEMP SENOR AND CONVERTS IT TO A DIGITAL READ OUT. THE EMS CAN BE READ IN METRIC OR ENGLISH. THE MACHINE HAS TWO WAYS OF OBTAINING HIGH IDLE. ONE WAY IS VIA AN ELECTRONICALLY CONTROLLED HAND THROTTLE, WHICH IS GOVERNED TO 1,790 + OR – 10 RPMS. THE OTHER WAY IS VIA THE ELECTRONICALLY CONTROLLED FOOT THROTTLE, WHICH IS GOVERNED TO 2,580 + OR – 10 RPMS. THE IDLE IS SET AT 750 RPMS + OR – 10 RPMS. IDLE THE MACHINE FOR ONE MINUTE BEFORE REVVING THE ENGINE. IDLE WILL BE 9,825 REVOLUTIONS TO REACH 71 DEGREES CELSIUS. HIGH IDLE VIA HAND THROTTLE WILL BE 6,683 REVOLUTIONS, AND HIGH IDLE VIA FOOT THROTTLE WILL BE 3,965 REVOLUTIONS TO REACH 71 DEGREES CELSIUS. TURN THE ENGINE OFF AND REMOVE THE DRAIN PLUGS. DRAIN THE OIL AND COOLANT. REINSTALL THE DRAIN PLUGS. TORQUE M18 PLUG TO 60 N.M, AND M22 PLUG TO 59 N.M. FILL THE ENGINE TO THE HIGH MARK WITH PRESERVATIVE IN ACCORDANCE MIL-PRF-21260, TYPE PE-10, GRADE 2, SAE 30. DISCONNECT THE FUEL LINES TO THE ENGINE, FUEL FILTER AND THE INJECTOR RETURN LINE. FILL ONE CONTAINER WITH DIESEL FUEL, AND THE SECOND CONTAINER WITH PRESERVATIVE OIL IN ACORDANCE WITH MIL-PRF-32033. PUT BOTH FUEL LINES IN THE CONTAINER OF DIESEL FUEL. START THE ENGINE. AFTER THE ENGINE IS OPERATING SMOOTHLY, TRANSFER THE FUEL SUPPLY LINE TO THE CONTAINER OF THE PRESERVATIVE OIL. OPERATE THE ENGINE FOR 30 SECONDS AT 750 RPMS UNTIL THE PRESERVATIVE OIL FLOWS OUT OF THE INJECTOR RETURN LINE. TURN THE ENGINE "OFF". CONNECT THE FUEL LINES TO THE FUEL FILTER AND THE INJECTOR RETURN LINE. DRAIN THE PRESERVATIVE OIL FROM THE ENGINE OIL PAN SUMP, THE AIR COMPRESSOR AND THE OIL FILTERS. REMOVE THE INTAKE AND THE EXHAUST MANIFOLDS. SPRAY PRESERVATIVE OIL MIL-PRF-21260, TYPE PE-10, GRADE 2, SAE 30 INTO THE INTAKE AND EXHAUST PORTS IN THE CYLINDER HEADS AND IN THE MANIFOLDS UNTIL THEY ARE LIGHTLY COATED. RE-INSTALL THE INTAKE MANIFOLD AND TORQUE THE FIXING SCREW TO 24 N.M. RE-INSTALL THE EXHAUST MANIFOLD AND TORQUE THE FIXING SCREWS TO 43 N.M. REMOVE THE ROCKER LEVER COVERS. SPRAY THE ROCKER LEVERS, VALVE STEMS, VALVE SPRINGS, VALVE GUIDES, CROSSHEADS, AND PUSH RODS WITH PRESERVATIVE OIL. INSTALL THE ROCKER LEVER COVERS. COVER ALL OF THE OPENINGS WITH MIL-PRF-121 TY I, AND TAPE DOWN TO PREVENT DIRT AND MOISTURE FROM ENTERING THE ENGINE.

NOTE 8 : ISP PACKAGING

A. PACKING LIST

| <u>SPN</u> | <u>DESCRIPTION</u> | <u>PART NUMBER</u> | <u>NSN</u> | <u>QTY</u> |
|------------|--------------------------------|--------------------|------------------|------------|
| 54 | FILTER, ENGINE OIL | 32/925413 | 4330-01-492-6796 | 1 |
| 55 | FILTER, TRANSMISION OIL | 32/925905 | NA | 1 |
| 56 | FILTER, HYDRAULIC OIL | 347/21423 | 2940-01-543-2114 | 1 |
| 57 | FILTER ELEMENT, FUEL LUBRICITY | 32/926107 | N/A | 1 |
| 58 | FILTER ELEMENT, FULE LUBRICITY | 32/925932 | N/A | 1 |

B. PREPARE ISP ITEMS IN ACCORDANCE WITH THE FOLLOWING

1. SPN 54, FILTER, ENGINE OIL, P/N: 32/925413, QTY 1.
 - A. CUSHIONING: A-A-59135, CL I, GR A, SIZE: 18 X 12 X 1/4, SECURE WITH TAPE ASTM D-6123
 - B. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 8 X 14
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 56"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

2. SPN 55, FILTER, TRANSMISION OIL, P/N: 32/925905, QTY 1.
 - A. CUSHIONING: A-A-59135, CL I, GR A, SIZE: 18 X 12 X 1/4, SECURE WITH TAPE AATM D-6123
 - B. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 8 X 18
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 55"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

| | | | | | |
|---|--|--------------------------|--|--------------|--|
| (CONTINUATION SHEET) | | 1. NATIONAL STOCK NUMBER | | 2. APPROVAL | |
| EQUIPMENT PRESERVATION DATA SHEET PREPARATION FOR SHIPMENT AND STORAGE | | 2420-01-535-4061 | | -BK | |
| 3. PART NUMBER | | 4. CAGE | | 5. MODEL NO. | |
| 347/00044 | | OJKFO | | | |
| 6. NOMENCLATURE | | 7. DATE | | 8. REVISION | |
| | | | | | |

9. NOTES:

3. SPN 56, FILTER, HYDRAULIC OIL, P/N: 347/21423, QTY 1.
 - A. CUSHIONING: A-A-59135, CL I, GR A, SIZE: 18 X 24 X 1/4, SECURE WITH TAPE ASTM D-6123
 - B. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 8 X 24
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 56"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

 4. SPN 57, FILTER ELEMENT, FUEL LUBRICITY, P/N: 32/926107, QTY 1.
 - A. CUSHIONING: A-A-59135, CL I, GR A, SIZE: 18 X 24 X 1/4, SECURE WITH TAPE ASTM D-6123
 - B. MARK WITH UP ARROW TO ENSURE FILTER REMAINS UPRIGHT AT ALL TIMES
 - C. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 8 X 18
 - D. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 57"
 - E. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31

 5. SPN 58, FILTER ELEMENT, FUEL LUBRICITY, P/N: 32/925932, QTY 1.
 - A. CUSHIONING: A-A-59135, CL I, GR A, SIZE: 18 X 12 X 1/4, SECURE WITH TAPE ASTM D-6123
 - B. BAG: MIL-DTL-117, TY III, CL B, ST 2, SIZE: 8 X 14
 - C. IDENTIFICATION: IDENTIFY THE ITEM WITH "SPN 58"
 - D. INSPECTION: INSPECT IN ACCORDANCE WITH METHOD 31
- C. PACKING: USE ASTM-D5118, ST RSC, TY CF, CL DOM, VAR SW, GR 200, SIZE: 17-1/2 X 6 X 4 AS BLOCKING.
PLACE SPN'S 54 – 58 INTO CONTAINER: ASTM-D5118, ST RSC, TY CF, CL WR, VAR SW, GR W5c, SIZE: 18 X 9 X 12
- D. MARK OUTSIDE OF CONTAINER WITH "ISP". USE MINIMUM 3/4" STENCIL. STENCIL SHALL BE APPLIED DIRECTLY TO THE CONTAINER. ALSO PLACE UP ARROW ON FRONT PANEL AND ONE SIDE PANEL OF ISP CONTIANER ENSURING SPN 57 REMAINS UPRIGHT AT ALL TIMES
- E. PACKING LISTS SHALL HAVE ALL OF THE INFORMATION PROVIDED IN NOTE A. IT SHALL BE AFFIXED TO THE OUTSIDE OF THE CONTAINER IN A WATERPROOF BAG.
- F. LOCATION: PLACE ISP CONTAINER INTO THE CAB OF THE VEHICLE ON TOP OF THE DRIVERS SEAT. USE SEAT BELT TO SECURE.