

**1345-ADMN-1001:** Conduct inventory of tool sets, chests, and kits

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided references.

**STANDARD:** To reconcile inventory records for accountability and serviceability.

**PERFORMANCE STEPS:**

1. Review references.
2. Conduct inventory.
3. Properly annotate inventory sheet.
4. Take corrective actions, as required.

**REFERENCES:**

1. Appropriate Technical Manuals
2. MCO P4790.2\_ MIMMS Field Procedures Manual
3. SL-3-11668A Components List for General Mechanics Tool Kit (GMTK)
4. TM 4700-15/1\_ Ground Equipment Record Procedures

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**1345-ADMN-1002:** Complete records and forms

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided references, facilities, forms, personnel, tools, and engineer equipment.

**STANDARD:** To maintain unit readiness without injury to personnel or damage to equipment.

**PERFORMANCE STEPS:**

1. Initiate records and forms.
2. Complete records and forms.

**REFERENCES:**

1. MCO P4790.2\_ MIMMS Field Procedures Manual
2. TM 11275-15/3\_ Principal Technical Characteristics of U.S. Marine Corps Engineer Equipment
3. TM 4700-15/1\_ Ground Equipment Record Procedures

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**1345-MANT-1001:** Conduct engineer equipment preventive maintenance

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL, CPL, SGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided engineer equipment, tools, equipment records and references.

**STANDARD:** To prevent early breakdown or failure of equipment.

**PERFORMANCE STEPS:**

1. Review references.
2. Select appropriate materials and tools.
3. Perform applicable preventive maintenance services per LO/LI.
4. Document maintenance actions.

**REFERENCES:**

1. Appropriate Technical Manuals
2. TM 10209-10/1 Use and Care of Hand Tools and Measuring Tools
3. TM 11275-15/3\_ Principal Technical Characteristics of U.S. Marine Corps Engineer Equipment
4. TM 4700-15/1\_ Ground Equipment Record Procedures

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**1345-HEOP-1001:** Operate the Light Capability Rough Terrain Forklift (LCRTF)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided an engineer equipment requirement, engineer equipment records and forms and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to the equipment.

**PERFORMANCE STEPS:**

1. Initiate trip ticket.
2. Perform before operations checks and services.
3. Perform starting procedures.
4. Perform during operations checks and services.
5. Operate forklift to perform material handling operations.
6. Load/unload the LCRTF onto Engineer Equipment Trailer (EET), as required.
7. Perform shut down operations.
8. Perform after operations checks and services.
9. Complete operational records.

**REFERENCES:**

1. FM 21-60 Visual Signals
2. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual
3. TM 4700-15/1 Ground Equipment Record Procedures
4. TM-09135C-OR/A Forklift, Light Capability Rough Terrain (LCRTF)

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**1345-HEOP-1002:** Operate the Military Millennia Vehicle (MMV) Extended Boom Forklift

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided an engineer equipment requirement, engineer equipment records and forms and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to the equipment.

**PERFORMANCE STEPS:**

1. Initiate trip ticket.
2. Perform before operations checks and services.
3. Perform starting procedures.
4. Perform during operations checks and services.
5. Change attachments on the MMV, as required.
6. Operate forklift to perform material handling operations.
7. Perform shut down procedures.
8. Perform after operations checks and services.
9. Complete operational records.

**REFERENCES:**

1. FM 21-60 Visual Signals
2. TM 10794B-OR/A Forklift, Extendable Boom (EBFL) (MODEL: MMV [TIER 2])
3. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual
4. TM 4700-15/1\_ Ground Equipment Record Procedures

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**1345-HEOP-1003:** Operate the Tractor, Rubber-tired, Articulated steering, Multi-purpose (TRAM) 624KR

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided an engineer equipment requirement, engineer equipment records and forms and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to the equipment.

**PERFORMANCE STEPS:**

1. Initiate trip ticket.
2. Perform before operations checks and services.
3. Perform starting procedures.
4. Perform during operations checks and services.
5. Change attachments on the TRAM as required.
6. Operate tractor to perform bucket operations.
7. Operate tractor to perform material handling operations.
8. Perform shut down procedures.
9. Perform after operations checks and services.
10. Complete operational records.

**REFERENCES:**

1. FM 21-60 Visual Signals
2. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual
3. TM 11412A-OR Operator's Manual 624KR Loader
4. TM 4700-15/1\_ Ground Equipment Record Procedures

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**1345-HEOP-1004:** Operate the 420E IT backhoe

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided an engineer equipment requirement, engineer equipment records and forms and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to the equipment.

**PERFORMANCE STEPS:**

1. Initiate trip ticket.
2. Perform before operations checks and services.
3. Perform starting procedures.
4. Perform during operations checks and services.
5. Operate tractor to perform front end loader operations.
6. Operate tractor to perform ditching/trenching operations.
7. Change attachments as required.
8. Operate attachments as required.
9. Load/unload the unarmored backhoe onto an Engineer Equipment Trailer (EET), as required.
10. Perform shut down procedures.
11. Perform after operations checks and services.
12. Complete operational records.

**REFERENCES:**

1. FM 21-60 Visual Signals
2. TM 10996A-OR/A Backhoe Loader Caterpillar Model 420E IT
3. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual
4. TM 4700-15/1\_ Ground Equipment Record Procedures

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**1345-HEOP-1005:** Operate the MC1150E

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided an engineer equipment requirement, engineer equipment records and forms and references.

**STANDARD:** To safely meet the operational requirement with no injury to personnel or damage to equipment.

**PERFORMANCE STEPS:**

1. Initiate trip ticket.
2. Perform before operations checks and services.
3. Perform starting procedures.
4. Perform during operations checks and services.
5. Perform earthmoving operations.
6. Perform winching operations.
7. Perform shut down procedures.
8. Perform after operations checks and services.
9. Complete operational records.

**REFERENCES:**

1. FM 21-60 Visual Signals
2. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual
3. TM 4700-15/1\_ Ground Equipment Record Procedures
4. TM-09062A-OR Tractor, Full Tracked, With Angle Blade and Rear-Mounted Winch (Model: MC1150E)

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**1345-HEOP-1006:** Operate the Medium Crawler Tractor (MCT)

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided an engineer equipment requirement, engineer equipment records and forms and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to the equipment.

**PERFORMANCE STEPS:**

1. Initiate trip ticket.
2. Perform before operations checks and services.
3. Perform starting procedures.
4. Perform during operations checks and services.
5. Perform earthmoving operations.
6. Perform shut down procedures.
7. Perform after operations checks and services.
8. Complete operational records.

**REFERENCES:**

1. FM 21-60 Visual Signals
2. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual
3. TM 11503A-OR 850 JR Crawler Dozer
4. TM 4700-15/1\_ Ground Equipment Record Procedures

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**1345-HEOP-1007:** Operate the motorized road grader

**EVALUATION-CODED:** NO

**SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:**

**MOS PERFORMING:** 1345

**BILLETS:**

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided an engineer equipment requirement, engineer equipment records and forms and references.

**STANDARD:** To safely meet operational requirements with no injury to personnel or damage to the equipment.

**PERFORMANCE STEPS:**

1. Initiate trip ticket.
2. Perform before operations checks.
3. Perform starting procedures.
4. Perform during operations checks.
5. Operate grader to perform area leveling.
6. Operate grader to perform ditching operations.
7. Operate grader to perform road improvement operations.
8. Operate grader to perform seven-step military road operations.
9. Perform shut down procedures.
10. Perform after operations checks.
11. Complete operational records.

**REFERENCES:**

1. FM 21-60 Visual Signals
2. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual
3. TM 11621A-OR MOTORIZED ROAD GRADER, MODEL 120M
4. TM 4700-15/1\_ Ground Equipment Record Procedures