

**11D PAM 1-201**  
**COMMAND INSPECTION CHECKLIST**

FUNCTIONAL AREA: Maintenance	CHAPTER: 12 SECTION: E	DATE OF REVISION: 1 SEP 02
PROONENT/PHONE NO: G4 350-6657/6226	PROGRAM/ACTIVITY/TOPIC (PAT) Ground Support Equipment	UNIT INSPECTED/DATE:

ITEM	GO	NO-GO
<p>Specific Questions:</p> <p><b>NOTE: If a NO GO is received in any of the two following areas then the equipment being inspected will be automatically rated at 69-points/red rating.</b></p> <ol style="list-style-type: none"> <li>1. Are there any additional non-mission capable deficiencies that are identified in the operator/crew PMCS table of the -10 manual?</li> <li>2. Are there any additional non-mission capable deficiencies that are found in the organizational maintenance PMCS table of the -20?</li> <li>3. DA Form 5988E (Equipment Maintenance Worksheet)               <ol style="list-style-type: none"> <li>a. Does the DA Form 5988E reflect all NMC deficiencies?</li> <li>b. Does the DA Form 5988E reflect all shortcomings? (For this question three shortcomings will be selected/verified.)</li> <li>c. Does the DA Form 5988E reflect all safety deficiencies?</li> <li>d. Are corrective actions indicated for all type faults listed?</li> <li>e. If the equipment is dispatched, is the commander using proper circle "x" procedures IAW DA Pam 738-750 if required?</li> <li>f. Static testing IAW TB 43-0151 for air compressors?</li> <li>g. Anti-freeze tested -50 IAW TB 750-651 for liquid cooled equipment?</li> <li>h. Alkalinity tested, with strip color annotated in remarks block, IAW TB 750-651 for liquid cooled equipment?</li> <li>i. Is brake test annotated annually IAW UR REG 750-1, SUPP. #1 for all PU sets, if required?</li> </ol> </li> <li>4. Safety: The following questions reflect specific safety requirements IAW AR 385-55 for:               <ol style="list-style-type: none"> <li>a. Air Compressors up to 250 CFM                   <ol style="list-style-type: none"> <li>1. Is the date due static testing stenciled on the equipment?</li> <li>2. Is the operator licensed for the equipment?</li> <li>3. Are there any fuel leaks?</li> <li>4. Is the governor disconnected, out of adjustment or inoperative?</li> <li>5. Are mounting bolts or screws missing, loose or broken on the engine or compressor mounts?</li> <li>6. Is the engine intake manifold cracked?</li> <li>7. Does the engine start or run rough?</li> <li>8. Is the fire extinguisher missing, discharged or not sealed?</li> <li>9. Are either the engine or compressor air filters missing or unserviceable?</li> </ol> </li> </ol> </li> </ol>		

ITEM	GO	NO GO
<p>10. Is the pull rope on equipment without electric starter?</p> <p>a. Are there bare or loose, cracked insulation or corrosion of battery terminals on equipment with electric motor or electric starter?</p> <p>11. Are there broken welds, loose or broken bolts in the frame?</p> <p>12. Are there 2 or more loose, missing or broken bolts for the pulley/belt guard, is the guard missing or damaged?</p> <p>13. Is the inflation hose/gauge missing or damaged?</p> <p>14. Are the air and fuel tanks securely mounted?</p> <p>15. Are the engine cooling shrouds mounted tightly, missing or damaged so that proper engine cooling is not accomplished?</p> <p>b. GED/DED Generator sets (all)</p> <p>1. Grounding equipment missing, improperly installed or is not used during operation? (If not properly grounded equipment will start at 69%).</p> <p>2. Insulation charred, frayed or rotting away exposing wire in wiring harnesses?</p> <p>3. Ground terminal missing hardware, loose or missing?</p> <p>4. Load terminal cover or mounting hardware missing?</p> <p>5. Reconnection board cover or mounting hardware missing?</p> <p>6. Two or more mounting bolts (per box) missing or loose for control boxes, tactical relay box or excitation box?</p> <p>7. Any covers missing for the control boxes, tactical relay box or excitation box.</p> <p>8. Any load terminal loose or missing hardware?</p> <p>9. Any power cables connected to load terminals are loose or improperly mounted, i.e. through access door instead of through the cable opening?</p> <p>10. Are any radio suppression components loose or missing</p> <p>11. Inoperative oil pressure gauge?</p> <p>12. Oil level not within the prescribed limits?</p> <p>13. Any mounting bolts loose, broken, or missing for engine, main generator, exhaust system, coolant tank or frame?</p> <p>14. Missing or unserviceable air filter?</p> <p>15. Inoperative, out of adjustment or disconnected governor?</p> <p>16. Disconnected or bypassed safety switches or relays? (If safety switches are bypassed the equipment will start at 69%.)</p> <p>17. Any loose metal objects found inside of control box. i.e. nuts, washers or screws?</p> <p>18. Will the engine start?</p> <p>19. Fire extinguisher missing, discharged or the seal broken or missing?</p> <p>20. Coolant level low?</p> <p>21. Are cooling shrouds missing, damaged or loose so that air flow is not directed around engine, for air-cooled?</p> <p>22. Any leakage of MOGAS or class III diesel fuel leak? (Some PMCS tables will state that any fuel leak is an NMC deficiency, check the correct one.)</p> <p>23. Any loose battery cable, terminal clamp or battery hold downs?</p> <p>24. Any damaged battery or corrosion in battery box?</p>		

ITEM	GO	NO GO
<p>25. Air intake system allowing unfiltered air into engine?</p> <p>26. Fuel tank cap missing?</p> <p>27. Fuel tank cracked, mounting bolts or straps broken, loose, or missing?</p> <p>28. Can the proper voltage output be maintained in all phases?</p> <p>29. Can the proper frequency (hertz) be maintained?</p> <p>30. Is the operator licensed for the equipment?</p> <p>31. Is aural protection used during operation?</p> <p>c. Heaters, Duct Type</p> <ol style="list-style-type: none"> <li>1. Missing hardware?</li> <li>2. Deep dents?</li> <li>3. Ducts missing, dry rotted, torn or unserviceable?</li> <li>4. Spark arrestor screen missing or damaged?</li> <li>5. Any fuel leaks?</li> <li>6. Inoperative controls?</li> <li>7. Missing or unserviceable air filter element?</li> <li>8. Fuel tank not properly vented or cap missing?</li> <li>9. Loose or broken fuel tank mounting, bolts, or hardware?</li> <li>10. Engine oil level not within prescribed limits?</li> <li>11. Governor disconnected, out of adjustment or inoperative?</li> <li>12. Engine mount bolts loose, broken or missing?</li> <li>13. Fire extinguisher missing, discharged or not properly sealed?</li> <li>14. Starter rope missing?</li> <li>15. Any class III oil leak?</li> <li>16. Will the engine start?</li> <li>17. Ignition system for burner inoperative or missing?</li> <li>18. Is the operator licensed on equipment?</li> <li>19. Are guards in place for the fan?</li> <li>20. Is equipment placed on level ground to ensure proper operation?</li> </ol> <p>d. POL Dispensing Equipment</p> <ol style="list-style-type: none"> <li>1. Fire extinguisher seal missing, broken or improper type?</li> <li>2. Safety markings missing?</li> <li>3. Operator not in possession of a valid fuel handler's permit and hazardous cargo stamped permit?</li> <li>4. Pump or motor broken loose from frame?</li> <li>5. Dump valves left open after last operation?</li> <li>6. Engine muffler unserviceable?</li> <li>7. Gauges damaged or missing?</li> <li>8. Engine oil level not within prescribed limitations?</li> <li>9. Nozzle strainer screens missing or unserviceable?</li> <li>10. Nozzles missing the bonding clips or cables or mounting hardware is missing, improperly mounted or unserviceable?</li> <li>11. Protective equipment and clothing missing or unserviceable?</li> <li>12. Governor inoperative, out of adjustment or not connected?</li> <li>13. Is any wiring insulation dry rotting, fraying or charred?</li> </ol>		

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<p>14. Any corrosion, loose cables, loose terminal clamps or battery hold-downs loose or missing hardware for battery box?</p> <p>15. Any class III oil leak?</p> <p>e. Chain Saws</p> <ol style="list-style-type: none"> <li>1. Air filter missing or unserviceable?</li> <li>2. Gear case oil level not within the prescribed limits?</li> <li>3. Chain oil level not within prescribed limits?</li> <li>4. Fan housing broken, cracked or bent?</li> <li>5. Rewind screen missing?</li> <li>6. Rewind starter inoperative?</li> <li>7. Fuel leaks?</li> <li>8. Chain worn or improperly adjusted?</li> <li>9. Guide bar excessively worn or loose?</li> <li>10. Guide bar oil pump inoperative?</li> <li>11. Bumper spike loose or missing?</li> <li>12. Muffler loose, damaged or missing?</li> <li>13. Is the operator licensed on the equipment?</li> <li>14. Is protective equipment utilized during operation?</li> <li>15. Does the throttle stick?</li> </ol> <p>f. Mine Detecting Equipment</p> <ol style="list-style-type: none"> <li>1. Receiver has corrosion, missing hardware or other defects?</li> <li>2. Transmitter has corrosion, missing hardware or other defects?</li> <li>3. Batteries installed when in storage?</li> <li>4. Batteries corroded?</li> <li>5. Is the telescoping pole bent or damaged so that it impairs operations?</li> <li>6. When stored are the protective caps placed on all connectors?</li> <li>7. Are the rubber covers and gaskets free of cracks or dry rotting?</li> <li>8. Are all control knobs present?</li> <li>9. Does the volume control function correctly?</li> <li>10. Do the batteries have a full charge?</li> </ol> <p>g. Forklifts, Rough Terrain, Cranes</p> <ol style="list-style-type: none"> <li>1. Is load test due date stenciled on equipment?</li> <li>2. Are there cracked or broken welds, buckled seams or loose mounting on the ROPS/FOPS that would reduce protection?</li> <li>3. Will the engine start?</li> <li>4. Are the windows damaged or mirrors cracked?</li> <li>5. Do the service and park brakes hold the vehicle?</li> <li>6. Are there broken brackets, loose or missing hardware in the exhaust system?</li> <li>7. Are there damaged, bare or loose wires in the wiring system?</li> <li>8. Is the coolant level low?</li> <li>9. Are the oil levels within the prescribed limits?</li> <li>10. Are the drive belts frayed or cracked or out of adjustment?</li> <li>11. Is the chain or sprocket worn excessively?</li> <li>12. Is the chain tension properly adjusted?</li> <li>13. Battery cables, terminal clamps or hold-downs loose or corroded?</li> <li>14. Are the gauges reading within the allowable readings?</li> <li>15. Is the operator licensed on the equipment?</li> </ol>		

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<p>h. Pump Assembly, 65, 100 and 350 GPM</p> <ol style="list-style-type: none"> <li>1. Is the operator licensed on the equipment?</li> <li>2. Is the fire extinguisher missing, discharged or improperly sealed?</li> <li>3. Are any gauges inoperative, damaged or reading outside of the prescribed limits?</li> <li>4. Is the throttle control inoperative, out of adjustment or disconnected?</li> <li>5. Will the engine start, is the pull rope present for the equipment that needs it?</li> <li>6. Is the oil level within the prescribed limit?</li> <li>7. Are there binding or seized rotating parts?</li> <li>8. Are the valves operational?</li> <li>9. Are there any cracks or broken welds in the frame, support legs, mounts or axle?</li> <li>10. Are there loose or missing wheel lug nuts?</li> <li>11. Is the spark arrestor damaged or missing?</li> <li>12. Is the governor inoperative, out of adjustment or disconnected?</li> <li>13. Are the hoses dry rotted, leaking or ends damaged so that they cannot be connected?</li> <li>14. Are the connections on the pump serviceable?</li> <li>15. Is the protective equipment missing or unserviceable?</li> </ol> <p>i. Welders</p> <ol style="list-style-type: none"> <li>1. Any fuel leak?</li> <li>2. Safety switches or relays bypassed or inoperative?</li> <li>3. Fuel filter bypassed, missing or unserviceable?</li> <li>4. Welder not properly grounded?</li> <li>5. Fuel pump loose?</li> <li>6. Oil level not within the prescribed limits?</li> <li>7. Oil pressure gauge inoperative?</li> <li>8. Any cables frayed or bare wires exposed?</li> <li>9. Fire extinguisher missing, discharged or improperly sealed?</li> <li>10. Governor inoperative, disconnected or out of adjustment?</li> <li>11. Fuel selector valve missing?</li> <li>12. Mechanical drive or exhaust guard missing?</li> <li>13. Control knobs missing?</li> <li>14. Slave receptacle tips burnt?</li> <li>15. Welder enclosure top missing or mounting loose?</li> <li>16. One loose or missing lug nut, unserviceable or flat tire?</li> <li>17. More than four loose, missing or broken mounting bolts on equipment?</li> <li>18. Broken or cracked welds on equipment?</li> <li>19. Protective equipment missing or unserviceable?</li> <li>20. Is the operator licensed for this equipment?</li> </ol> <p>j. Semi Trailers, 5,000 and 7,500 GALS</p> <ol style="list-style-type: none"> <li>1. Wheels are improperly installed, cannot reach valve stem?</li> <li>2. Frame is severely bent?</li> <li>3. Torque rod is severely bent or is unserviceable?</li> <li>4. Fixed fire extinguisher lines, tubes and fittings are not installed correctly?</li> <li>5. Portable fire extinguisher improperly sealed?</li> </ol>		

ITEM	GO	NO-GO
<ul style="list-style-type: none"> <li>6. External fixed fire extinguisher pull handle is not sealed?</li> <li>7. Auxiliary engine fuel cap is missing?</li> <li>8. Fuel hose reels inoperative?</li> <li>9. Batteries or cover missing, damaged or loose clamps, cables or hold-downs?</li> <li>10. Any exterior lights inoperative?</li> <li>11. Governor inoperative, disconnected or out of adjustment?</li> <li>12. Brake fluid level low?</li> <li>13. Auxiliary engine has a fuel leak?</li> <li>14. Engine oil level not within the prescribed limits?</li> <li>15. Any cracked, dry rotting or charred insulation in the wiring?</li> <li>16. Any tank mounting bolts loose or missing?</li> <li>17. Manhole cover gasket missing or damaged?</li> <li>18. Is operator licensed with fuel handler stamp and hazardous cargo stamp?</li> <li>19. Is the protective equipment missing or unserviceable?</li> <li>20. Mounting for the ladder is loose or missing hardware?</li>   <li>k. Power Units / Power Plants <ul style="list-style-type: none"> <li>1. Generator or set missing ground clamps, rods, cable or the cable is not 6 AWG or larger?</li> <li>2. Generator set not properly grounded?</li> <li>3. Load terminal loose, threads damaged or missing, or missing hardware?</li> <li>4. Power cable connections loose, improperly routed or any exposed wire?</li> <li>5. Fire extinguisher missing, discharged or improperly sealed?</li> <li>6. Park brakes do not hold, will not adjust?</li> <li>7. Support / leveling jacks not emplaced when equipment not on vehicle tow pintle?</li> <li>8. More than one mounting bolt missing for each mounting area? (Engine, main generator, battery charge alt., generator to trailer, special and tactical relay boxes, coolant tank, housing, fender to frame, control box.)</li> <li>9. Safety cover or mounting hardware missing from load terminal, reconnection board or main circuit breaker (AC)?</li> <li>10. Fluid levels not within prescribed limits?</li> <li>11. Lights inoperative?</li> <li>12. Safety clips missing from landing legs?</li> <li>13. Damage to frame or suspension of trailer?</li> <li>14. Fuel can mounts loose or strap missing?</li> <li>15. Is the operator licensed on the equipment?</li> </ul> </li>   <li>l. Small Emplacement Excavator <ul style="list-style-type: none"> <li>1. Is the operator licensed on the equipment?</li> <li>2. Is the spare tire mounting secure?</li> <li>3. Is the hose reel inoperative?</li> <li>4. Air line antifreeze unit set for proper season and filled to the correct level?</li> <li>5. Impact wrench drive excessively worn?</li> <li>6. Radiator fins bent blocking air flow over 50%?</li> <li>7. Any hose rubbing against metal or pinched between two other parts?</li> <li>8. Fire extinguisher improperly sealed?</li> <li>9. Engine idle between 700 and 750?</li> <li>10. Is the hour meter damaged?</li> <li>11. Any loose mounting bolts for bed or OVM boxes?</li> </ul> </li> </ul>		

ITEM	GO	NO-GO
<p>12. Any loose cables, terminal clamps or battery hold-downs?</p> <p>13. Windshield wipers worn or washer inoperational?</p> <p>14. Oil level is not within the prescribed limits?</p> <p>15. Any charred, frayed, loose or dry rotting insulation in wiring harness or bare wires in harness?</p> <p><b>Rating Standard – Ground Support</b></p> <ul style="list-style-type: none"> <li>• Commendable – 90% and above</li> <li>• Satisfactory – 70% – 89%</li> <li>• Needs Improvement – 69% and below</li> </ul> <p>All questions unless otherwise noted will be 3 points each, this will include all safety non-mission capable faults.</p> <p>Inspector's Comments Mandatory for all NO GO items. (Attach additional sheets if necessary.)</p>		

**NOTES:**

VERIFICATION

X \_\_\_\_\_  
Unit POC's Signature, Name Rank, Date

X \_\_\_\_\_  
Inspector's Signature, Name Rank, Date