

PREVENTIVE MAINTENANCE SERVICE AND TECHNICAL INSPECTION

WD No. _____

WORK SHEET

Mileage _____ Date _____

FOR

WHEELED AND HALF-TRACK VEHICLES

Organization _____

(See AR 850-15)

Vehicle nomenclature ← (Make) (Model) (Size) (Drive) (Body Type) →

Special instructions: See TM 9-2810 for detailed instructions and procedures. See vehicle maintenance manual for technical information.

Legend for marking. ✓—Satisfactory X—Adjustment required XX—Repair or replacement required O—Defect corrected

SYMBOLS: □ —INSPECT AND CORRECT C—CLEAN T—TIGHTEN A—ADJUST L—SPECIAL LUBRICATION S—SERVE

<p>6000-MILE MAINTENANCE OR TECHNICAL INSPECTION</p> <p>1000-MILE MAINTENANCE</p> <p>ROAD TEST</p> <p>1 Before Operation Inspection</p> <p>2 Air Pressure (build-up) (governor cut-off) (low-pressure indicator)</p> <p>3 Dash Instruments and Gages; (oil pressure) (viscometer) (ammeter) (voltmeter) (speedometer and odometer) (tachometer) (temperature) (fuel) (air pressure)</p> <p>4 Horns, Mirrors, and Windshield Wipers</p> <p>5 Brakes; foot, hand and trailer (braking effect) (feel) (side pull) (noise) (chatter) (pedal travel) (hand control-air or electric)</p> <p>6 Clutch (free travel) (drag) (noise) (chatter) (grab) (slip)</p> <p>7 Transmission and Transfer; (lever action) (declutching) (vibration) (noise)</p> <p>8 Steering (free play) (bind) (wander) (shimmy) (side pull) (column and wheel)</p> <p>9 Engine (idle) (acceleration) (power) (noise) (governed speed)</p> <p>10 Unusual Noises (attachments) (cab) (body) (wheels or tracks)</p> <p>11 Brake Booster Operation</p> <p>12 Air-Brake System Leaks</p> <p>13 Temperatures (brake drums) (hubs) (axles) (transmission) (transfer)</p> <p>14 Leaks (engine oil) (water) (fuel)</p> <p>15 Track Tension (final road test)</p> <p>16 Gear Oil Level and Leaks (axles) (transmission) (transfer)</p> <p>RAISE VEHICLE-BLOCK SAFELY</p> <p>17 Unusual Noises (engine) (belts) (accessories) (transmission) (transfer) (shafts and joints) (axles) (wheel bearings)</p> <p>ENGINE AND ACCESSORIES</p> <p>18 Cylinder Head and Gasket</p> <p>19 Valve Mechanism (clearances) (lubrication) (cover gaskets)</p> <p>20 Spark Plugs (gaps) (deposits)</p> <p>21 Compression Test (record)</p> <p>22 Battery (cables) (hold-downs) (carrier) (record gravity and voltage)</p> <p>23 Crankcase (leaks) (oil level)</p> <p>24 Oil Filters, Coolers, and Lines</p> <p>25 Radiator (core) (shell) (shutters) (mountings) (hose) (cap and gasket) (antifreeze, record) (overflow tank) (steam relief tube and valve)</p> <p>26 Water Pump, Fan, and Shroud</p> <p>27 Generator, Starter, and Switch</p> <p>28 Air Compressor (unloader valve) (governor) (lines)</p> <p>29 Drive Belts and Pulleys</p> <p>30 Tachometer Drive and Adapter</p> <p>31 Distributor (cap) (rotor) (points) (shaft) (advance units)</p> <p>32 Coil and Wiring (high and low voltage) (supports)</p>	<p>6000-MILE MAINTENANCE OR TECHNICAL INSPECTION</p> <p>1000-MILE MAINTENANCE</p> <p>33 Manifolds and Heat Control (gaskets) (seasonal setting)</p> <p>34 Air Cleaners (carburetor) (Diesel) (air compressor)</p> <p>35 Breather Caps and Ventilators</p> <p>36 Carburetor (choke) (throttle) (linkage) (governor)</p> <p>37 Fuel Filters, Screen, and Lines</p> <p>38 Fuel Pump (vacuum and pressure)</p> <p>39 Starter (action) (noise) (speed)</p> <p>40 Leaks (engine oil) (fuel) (water)</p> <p>41 Ignition Timing (advance)</p> <p>42 Engine Idle and Vacuum Test</p> <p>43 Regulator Unit (connections) (voltage) (current) (cut-out)</p> <p>44 Power Tire Pump (drive) (lines)</p> <p>45 Diesel Fuel Injector Pump</p> <p>46 Diesel Fuel Nozzles and Lines</p> <p>CHASSIS, BODY, & ATTACHMENTS</p> <p>47 *Tires and Rims (valve stems and caps) (condition) (direction) (matching) (spare carriers)</p> <p>ON HALF-TRACKS DO 106 TO 115 NOW</p> <p>48 *Rear Brakes (drums) (supports) (cylinders) (cams and shafts) (magnets and armatures)</p> <p>49 *Rear Brake Shoes (linings) (links) (guides) (anchors)</p> <p>50 *Torque Rods (bushings) (brackets)</p> <p>51 *Rear Spring Seats and Bearings</p> <p>52 *Rear Wheels (bearings) (seals) (drive flanges) (nuts)</p> <p>53 *Front Brakes (drums) (supports) (cylinders) (cams and shafts) (hose) (air chambers) (push rods and seals) (adjusters)</p> <p>54 *Front Brake Shoes (linings) (links) (guides) (anchors)</p> <p>55 *Steering Knuckles (joints) (bearings) (seals) (boots)</p> <p>56 *Front Springs (clips) (leaves) (U-bolts) (hangers) (shackles)</p> <p>57 Steering (arms) (tie rods) (drag link) (seals and boots) (Pitman arm) (gear) (column) (wheel)</p> <p>58 Front Shock Absorbers and Links</p> <p>59 Knee Action Suspension</p> <p>60 *Front Wheels (bearings) (seals) (flange) (axle end play) (nuts)</p> <p>61 Front Axle (pinion end play) (seal) (vent) (alignment)</p> <p>62 Front Propeller Shaft (joints and alignment) (seals) (flanges)</p> <p>63 Engine (mountings and braces) (ground strap) (side pans)</p> <p>64 Hand brake (ratchet and pawl) (linkage) (drum or disk) (lining)</p> <p>65 Clutch Pedal (free travel) (linkage) (return spring)</p> <p>66 Brake Pedal (free travel) (linkage) (return spring)</p> <p>67 Brake Master Cylinder (vent) (fluid level) (leaks) (switch)</p> <p>68 Brake Vacuum Booster (linkage) (air cleaner and hose) (cylinder)</p>	<p>6000-MILE MAINTENANCE OR TECHNICAL INSPECTION</p> <p>1000-MILE MAINTENANCE</p> <p>69 Air-Brake Application Valve</p> <p>70 *Air-Brake Reservoirs</p> <p>71 Transmission (mounting) (seals) (power take-off) (linkage)</p> <p>72 Transfer (mountings) (linkage) (seals) (vent) (power take-off)</p> <p>73 Rear Propeller Shafts (see 62)</p> <p>74 Center Bearing (seals) (vent) (oil level) (mountings)</p> <p>75 Rear Axles (pinion end play) (seals) (vents) (alignment)</p> <p>76 *Rear Air Brake (chambers) (rods and seals) (slack adjusters)</p> <p>77 *Rear Springs (clips) (leaves) (U-bolts) (hangers) (shackles)</p> <p>78 Rear Shock Absorbers and Links</p> <p>79 *Cab and Body Mountings</p> <p>80 *Frame (rails and cross members)</p> <p>81 *Wiring, Conduits, and Grommets</p> <p>82 Fuel Tanks, Fittings, and Lines</p> <p>83 *Brake Lines (fittings) (hose)</p> <p>84 Exhaust Pipes and Muffler</p> <p>85 *Vehicle Lubrication</p> <p>LOWER VEHICLE TO GROUND</p> <p>86 Toe-In and Turning Stops</p> <p>87 Winch (clutch) (brake) (drive) (shear pin) (cable) (guides)</p> <p>88 Fifth Wheel (bed plate and bolts)</p> <p>89 Tractor-to-Trailer Brake Hose, Wiring and Connections</p> <p>90 Hoist (mounting) (drive) (controls) (pump) (lines) (cylinder)</p> <p>91 *Lamps (head, tail, body, running, directional, stop, and blackout)</p> <p>92 *Safety reflectors</p> <p>93 Front (bumpers) (roller) (tow hooks) (brush guards) (grills)</p> <p>94 Hood (hinges) (fasteners)</p> <p>95 Front Fenders and Running Boards</p> <p>96 Cab or Pass. Body (doors) (hardware) (glass) (top and frame) (curtains and fasteners) (seats) (upholstery and trim) (safety straps and grab rails) (floor boards and mats) (ventilators) (map compartment and tables)</p> <p>97 Heater, Fan, and Defroster</p> <p>98 Circuit Breaker and Fuse Block</p> <p>99 *Rear Fenders and Splash Guards</p> <p>100 *Body (panels) (rear doors) (tailgate and chains) (floor) (skidstrips) (stakes) (sockets) (bows) (tops) (tarpaulins) (end curtains) (troop seats) (stowage compartments)</p> <p>101 *Rear Bumper and Pintle Hook (latch and lock pin) (draw-bar)</p> <p>102 Armor Plate (body) (cowl) (doors) (windshield) (port covers)</p> <p>103 *Paint and markings</p> <p>104 Radio Bonding (suppressors) (filters) (condensers) (shielding)</p> <p>105 Armament (guns) (mounts) (rails) (spare parts) (covers)</p>
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*TRAILER ITEMS ALSO COMMON TO OTHER WHEELED VEHICLES

FOLD TO ← VEHICLE NOMENCLATURE LINE → AND FILE

RECORD: Compression pressure: Cylinder No. 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____ 9 _____ 10 _____ 11 _____ 12 _____

BATTERY: Specific Gravity—Cell No. 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ Antifreeze protection to _____ °F.

Voltage—Cell No. 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____

Man hours required for this 1,000 mile maintenance _____ 6,000 mile maintenance _____ or tech. inspection _____

Driver _____ (grade or title)

Repairs by higher echelon entered on Job Order Request No. _____ Supervising officer _____ (grade or title)

Repairs requested _____ Vehicle forwarded _____ (Date) _____ (Initials) _____

_____ Vehicle returned _____ (Date) _____ (Initials) _____

Disposition of work sheets: 1000 Mile—May be retained until completion of next 6000 mile, then destroy

6000 Mile—May be retained until completion of next 6000 mile, then destroy

Technical inspection—May be retained until completion of next 6000 mile, then destroy

REMARKS OR RECOMMENDATIONS: _____

NOTE: The following items 116 to 123 are the required minimum maintenance requirements for amphibian vehicles in land operations. For maintenance manual.

ITEMS SPECIAL TO AMPHIBIANS

115	Track Tension (on ground)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
114	Bogie Rollers: Upper and Lower (tires) (bearings) (seals) (bolts)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
113	Bogie (grab assemblies) (springs) (arms and bolts)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
112	Frame Brackets and Cross Tube (adjusting rods) (brackets)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
111	Idle (posts) (shackles) (shafts)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
110	Idlers (hangers) (bearings) (guides) (anchors)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
109	Brakes Shoes (linings) (links)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
108	Brake (drums) (supports) (cylinders)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
107	Sprockets (hangers) (bearings) (seals)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
106	Tracks (guides) (tread wear)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6000-MILE MAINTENANCE

OR TECHNICAL INSPECTION

1000-MILE MAINTENANCE

ITEMS SPECIAL TO HALT-TRACKS

116	Rudder and Shearpins, Propeller Strut and Bearing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
117	Propeller Shaft Housings (seals) (boots) (plugs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
118	Hull (plugs) (rub strakes) (decks) (hatches) (ventilators) (compartments) (bulkheads) (plates) (frame)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
119	Bilge Pumps (drives) (valves) (controls) (lines) (strainers)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
120	Water Propeller (shafts) (joints) (bearings) (stuffing box)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
121	Hand Crank Ratchet and Cover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
122	Rudder (shafts) (arms) (cables) (rod) (brackets) (stuffing-box)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
123	Anchor, Hand Bilge Pump and Boat Hook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEMS SPECIAL TO TRAILERS					
124	Tow Hitch (king pin) (5th wheel plates) (lunette) (tongue)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
125	Air and Electric Connections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
126	Safety Devices (chains) (switch and battery)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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NOTE: Correct or report all deficiencies found during final road test.

ITEMS SPECIAL TO AMPHIBIANS

127	Landing Gear (shafts) (wheels) (supports) (lock pin) (gears) (crank)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
128	Front and Rear Axles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
129	Electric Brake (application controller) (load control) (resistor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
130	Parking Brakes (ratchet) (pawl)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TOOLS AND EQUIPMENT					
131	Tools (vehicle) (pioneer)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
132	Fire Extinguishers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
133	Decontaminator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
134	First-Aid Kit (if specified)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
135	Publications and Form No. 26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
136	Traction Devices (chains) (plates and connectors) (grousers)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
137	Tow (chain) (cable) (rope) (block)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
138	Spare (shearpins) (fuses) (bulbs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
139	Fuel and Water Cans and Bracket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
140	Fuel Can Nozzle and Bucket	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
141	Modifications (FSMWO's completed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
142	Final Road Test (repeat items 2 to 16)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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