

BRIDGE ERECTION BOAT
HOT WEATHER/ DESERT OPERATION

This abbreviated checklist is not to be used as a replacement for the -10 series Tech Manuals or any other PMCS guide

FM 90-3, DESERT OPERATIONS, contains detailed instructions for living and working in the desert.

The following is a general check-list that applies to the Bridge Erection Boat (BEB), all models, which are operated in an arid/hot temperature environment. It is not designed to replace the daily PMCS.

NOTE: A very high standard of preventive maintenance is essential to long term operation under conditions of extreme heat and blowing sand which may cause early failure of systems or components.

Prior to each operation you should:

1. Ensure that built in system safety sensors are firmly connected- High heat, engine over temp, low oil etc.
2. Remove accumulated sand and debris from exhaust ports and baffles
3. Monitor fluid gauges (oil and temperature) constantly- Idle overheating engine for two (2) minutes, then shut down. Ensure oil and coolant are not low or over filled, check frequently
4. Check header tank for proper level
5. Check engine and transmission oil levels

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6. Drain fuel/water Sedimenter of contamination
7. Remove accumulated sand from Turbocharger inlet
8. Clean debris from Hydrojet intake grills
9. Inspect all non-metal hoses and lines for evidence of leaks or cracking
10. Inspect belts for proper tension, cracking
11. Verify maintenance free batteries are in the Green level and remove accumulated sand from terminals (if greased)
12. Inspect normal lead-acid batteries are not low or over filled and properly charged. remove accumulated sand from terminals (if greased)
13. Remove accumulated sand from all dust caps, electrical connectors and quick-release pins.
14. Inspect Hydrojet and steering grease cups for contamination Replenish with new grease frequently
15. Clean and re-lubricate required parts frequently (searchlight shackles etc.)
16. Protect exposed components from blowing sand when not in use
17. Keep all hatches closed during operation - even when BEB is being used for bridge anchoring
18. Do not over fill fuel tank - leave room for expansion
19. During extended operations, keep plenty of water aboard -for you and the boat