**PERIODIC CHECKS & SERVICES – TRACKED VEHICLES**

***Notes:***

* ***Checks and services mentioned below are just a guideline; however, OEM recommended checks & services (as mentioned in ‘Owner’s Manual’) will be given preference.***
* ***OEM/EME issued maintenance instructions will be followed for additional equipment installed on the tracked vehicles e.g. NVDs, FCS, gun systems, booms, Engineers equipment on tracked C vehicles, communication equipment etc.***
* ***All actions of ‘Monthly Service’ will be repeated in ‘Quarterly Service’. Similarly, all tasks of ‘Monthly & Quarterly Service’ will be repeated in ‘Annual Service’.***

|  |  |
| --- | --- |
| **Key:** | **Responsibility** |
| **C** Check for correct functioning/condition | Driver/Crew |
| **CR** Check for repair/replacement action | Driver/Crew assisted by LAD |
| **E** Execute (if required) | Driver/Crew assisted by LAD/Wksp |

|  |  |  |  |
| --- | --- | --- | --- |
| **Serial** | **Maintenance Operation** | **Check for** | **Annually** |
| **Exterior** | | | |
| 1. | External body | Cleanliness, dents, scratches | C |
| 2. | Hatches & nuts | Correct fitment | C |
| 3. | Additionally installed equipment | Correct fitment/ functionality | C |
| 4. | Head Light, Indicator, Stop Light etc. | Correct functionality | C |
| 5. | Door, Cupola etc. | Correct fitment | C |
| **Tracks** | | | |
| 6. | Shock absorbers | leakage | C |
| 7. | Track pins | Fitment | CR |
| 8. | Track tensioner & road wheels | Tightness of bolts | C |
| **Inside Engine Deck** | | | |
| 9. | Fan | functioning | C |
| 10. | Drive & air cleaner oil | Correct level | CR |
| 11. | Radiator | fins for damage | C |
| 12. | Fan friction clutch | Slippage | CR |
| 13. | Toothed coupling | Condition & locking | C |
| **Fighting Compartment** | | | |
| 14. | Electrical connections | Looseness | C |
| 15. | Fire extinguisher system | Secure | CR |
| 16. | Turret accessories | Fitment & functionality | C |
| 17. | Cabin Lights | Correct functionality | C |
| 18. | Electrical units | Moisture, connections | C |
| **Driver Compartment** | | | |
| 19. | First aid kit | completion & expiry | CR |
| 20. | Air bottles | air pressure | CR |
| 21. | Levers & pedals of control linkages | Functioning | C |
| 22. | Battery | Maintenance action (Annex E) | CR |
| **Engine** | | | |
| 23. | Start-up operation | Ease, no unusual noise | C |
| 24. | Assemblies and Belts | Noise, tension & condition | C |
| 25. | Fluids/water | Correct level & condition | C |
| 26. | Intake Air Heater | Functionality & condition | C |
| 27. | Hoses of Brake/Clutch Systems | Functionality & condition | C |
| 28. | Water Pump, Fan/Drive Belts & Pulleys | Functionality & condition | C |
| 29. | Engine Mountings | Cracks/Deformation | C |
| 30. | Engine Head Bolts | Tightness | C |
| 31. | Valve Mechanism & Cover Gaskets | Clearance & condition | C |
| 32. | Breather Caps and Ventilators | Functionality & condition | C |
| 33. | Fuel Lines | Cleanliness, leakage | CR |
| 34. | Fuel/Air/Oil Filters | Cleanliness, leakage, life | CR |
| 35. | Exhaust outlets | Leakage/unusual noise | C |
| 36. | Oil/Fuel Level | If due/required | C |
| **Suspension System** | | | |
| 37. | Shock absorber, hydraulic buffer | Leakage, abnormal behaviour | C |
| 38. | Balance mechanism | Leakage, abnormal behaviour | C |
| **Specific Periodic Checks & Services** | | | |
| 39. | Start/move within MT park (5-10 Minutes) |  |  |
| 40. | Road Test |  | 8-10 Km |
| 41. | Tool Kit | Complete & serviceable | CR |
| 42. | On-Board Diagnostic(OBD) | Correct functionality | C |
| 43. | Engine Compression | If due/required | E |
| 44. | Lubrication | If due/required | E |
| 45. | Greasing | If due/required | E |
| 46. | Radiator flushing | If due/required | E |
| 47. | Fuel tank flushing  (6 Monthly - May & Sep) | If due/required | E |
| 48. | Hydraulic system assemblies | Leakage, abnormal behaviour | CR |
| 49. | Track tension testing | Correct tension | E |
| 50. | Documentation | Completeness | E |