

## 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:

<b>C</b>	Check for correct functioning/condition	<b>Responsibility</b> Driver/Crew
<b>CR</b>	Check for repair/replacement action	Driver/Crew assisted by LAD
<b>E</b>	Execute (if required)	Driver/Crew assisted by LAD/Wksp

Serial	Maintenance Operation	Check for	Quarterly
<b>Exterior</b>			
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
<b>Tracks</b>			
6.	Shock absorbers	leakage	C
7.	Track pins	Fitment	CR
8.	Track tensioner & road wheels	Tightness of bolts	C
<b>Inside Engine Deck</b>			
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
<b>Fighting Compartment</b>			
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
<b>Driver Compartment</b>			
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
<b>Engine</b>			
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	C
34.	Fuel/Air/Oil Filters	Cleanliness, leakage, life	CR
35.	Exhaust outlets	Leakage/unusual noise	C
36.	Oil/Fuel Level	If due/required	C
<b>Suspension System</b>			
37.	Shock absorber, hydraulic buffer	Leakage, abnormal behaviour	C
38.	Balance mechanism	Leakage, abnormal behaviour	C

<b>Specific Periodic Checks &amp; Services</b>			
39.	Start/move within MT park (5-10 Minutes)		
40.	Road Test		2-3 Km
41.	Tool Kit	Complete & serviceable	C
42.	On-Board Diagnostic(OBD)	Correct functionality	C
43.	Engine Compression	If due/required	
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