

DIRECTORATE GENERAL BORDER ROADS
GENERAL MAINTENANCE INSTRUCTION NO 126

ON

CARE OF BATTERIES DYNAMOS AND WIRING

SUMMARY

1. In order to prolong the life of the batteries and obviate damage to the dynamo and the wiring, it is essential unauthorized modifications be carried out.

ITEMS AFFECTED

2. Batteries, Dynamous and wirings.

ACTION BY

3. All user and Base/Field workshops (GREF).

4. **BATTERIES**

(a) Each batteries will be firmly secured in its cradle. Cover where provided, will properly fitted.

(b) While removing battery terminal do not use lever against the battery top. This practice leads to cracking of battery top.

(c) For removal of battery lends, the fixing bolts will be loosened and the terminal should be expanded. This will enable removed of battery terminal without using force.

(d) Battery terminal posts and terminal will be examined once a week, and cleaned. Smear the battery terminal with mineral jelly.

5. **DYNAMOS**

(a) Armatures, field and commutators will always be kept clean. Blow out dust and remove traces of oil from commutators if any, by using clean rag slightly damped in petrol.

(b) Slip rings/commutators should not be cleaned with glass papers.

(c) Carbon brushes should be replaced when the brushes are too short to permit correct spring pressure on them.

(d) The dynamo wiring circuit will not be altered or interfered with. The practice of transferring the dynamo Hold terminal lead to the armature

terminal when the field fuse blows, results in the full dynamo output being passed to the battery, causing early failure of the battery and/or dynamo.

6. **ELECTRICAL LOOMS AND WIRINGS**

- (a) Wires must always be kept free from oil, grease and paint
- (b) Ends of the wires should be properly terminated and tightened.
- (c) Wires be kept properly clamped and not allowed to hang tightened.
- (d) Wiring circuit should not be altered.

Note - Unauthorised modifications to battery containers mounting and dynamo wiring cables will not be carried out.