

## DTE GENERAL BORDER ROADS

### GENERAL MAINTENANCE INSTRUCTION NO. 155

#### ON

### DEFECT ON ROLBA SNOW PLOUGH R-1200 MONOFORCE : FAILURE OF ALTERNATOR ASSEMBLIES AND VOLTAGE REGULATORS

#### SUMMARY

1. Cases of frequent failure of alternator assemblies and voltage regulators fitted on Rolba Snow Plough have been referred to the firm to avoid such failure in future.

#### AIM

2. This instruction lay down the remedial measure to prevent early/frequent failure of the above assys in Rolba Snow Plough.

#### ITEM EFFECTED

3. Alternator and regulator assemblies.

#### ACTION BY

4. All units and field workshop (GREF) to take action as per details given below.

#### DETAILS

5. The following remedial measures should be adopted to avoid the defects in alternator and voltage regulator.

a) Tension of the alternator driving Belt should be checked frequently and be kept fairly tight allowing 4 to 6 mm depression while pressed by thumb.

b) No electrical welding should be done, which becomes necessary to be done during the operational season, unless the battery terminal and generator connections disconnected. This is extremely important.

c) During the summer period/the season the machines are not in operation, not only the battery terminals be removed but also the batteries should be taken out from the machines and stores in a dry cool place and also the batteries should be charged once in a fortnight.

d) During the operational period, the electrolyte level of the battery should be kept above the plates only by adding distilled water to avoid short circuiting of the plates.

e) The user/Fd Wksp are warned that the welding will not be done on the machine without switching off the electric installation with the main switch.

f) The machine will not be started with foreign batteries (e.g. those of another vehicles) without switching off the jumper cable. The reconnection of the electric installation may only be done after the jumper cable have been connected correctly.

**END**  
**HQ DGBR GMI NO. 155**