

DIRECTORATE GENERAL BORDER ROADS
GENERAL REPAIR INSTRUCTION NO 54

ON

FAILURE OF NISSAN GENERATOR ASSEMBLY AND ITS REMEDY

Summary

1. Far too many cases of Generator TVS LUCAS (Part No LV7/NSN/L-4-26021001 and 2272814) of Car 5 Cwt 4x4 NISSAN PATROL and Truck 1 Ton 4x4 NISSAN D4W73 failure, due to the non-existence of lubricating provision at the rear end-plate bushing, have come to light. To obviate the defect, proper lubrication of the rear end bushing (Bronze) is necessary.

Aim

2. This instruction gives details of modification to be carried out by the maintaining Field Workshop to the rear end-plate of the Generator to facilitate proper lubrication of rear end bushing (Bronze).

Action by

3. (a) User Units: To check up NISSAN Generator assembly if provided with the lubricating hole and initiate a PRIORITY work order on the maintaining Field Workshop for the modification.
- (b) Field Workshop (GREF): Modify NISSAN Generator Assembly as per details given in Para 4 below, within own resources.
- (c) Base Workshop (GREF): While overhauling NISSAN vehicles, modify affected Generator Assembly as per details given in Para 4 below.

Details – Modification

4. (a) Remove the generator from the vehicle. Remove
- (b) Drill a through hole with drill size No 26 on the outer end hub projection of the end cover in middle and in line with the web, 15 mm away from the end so that on mounting the generator on the engine, the hole should be vertically upwards.
- (c) Manufacture an oiler cup with threaded cap.
- (d) Assemble the dynamo.
- (e) Insert a small piece of round felt wick in the hole made on the hub projection of the end-plate so that the wick touches the Armature Shaft. This is to prevent ingress of dust from outside and ensure prolonged even lubrication.

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- (f) Screw in the oiler cup in position.
- (g) Unscrew the cap of oiler cup and fill the oil cavity with oil engine HD30 under normal temperature otherwise use suitable grade of engine oil under sub-zero temperature. Repeat this operation minimum once in a month.

HQ DGBR GRI No 54
Dated 27 Dec 72

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