

DIRECTORATE GENERAL BORDER ROADS

GENERAL MAINTENANCE INSTRUCTION NO. 71

ON

MAINTENANCE OF ROAD SPRINGS OF LORRY 3 TON 4X4/4X2 TMB ALL MODELS

Introduction

1. A number of cases of premature breakage of road spring on the subject vehicles have come to notice. One of the causes of the premature breakage is running of vehicles with loose 'U' bolt nuts on the springs. All user units will ensure that the action as detailed in para 3 below is taken to obviate the defect.

Action by

2. (a) Drivers of the vehicles: Carry out the instruction given in paras 3 (a), (b), (c) and (e) below.
- (b) Field Workshop: Carry out the instructions given in para 3 (d) below during annual inspection of the vehicles or whenever vehicle reports to workshop for repairs.

Details

3. (a) The 'U' bolt nuts on all the road springs will be kept fully tightened.
- (b) The tightness of the nuts will be checked after the first 500Km of running of the vehicle and retightened if necessary.
- (c) Subsequently, the tightness of these nuts will be checked and retightened if necessary every week while carrying out the weekly maintenance task No. 3 or every 1000 Km whichever is earlier.
- (d) Field Workshop while carrying out the routine inspection of the subject vehicles will check the tightness of these nuts with the help of a torque wrench. The correct torque for the nuts is as under:-

Nuts (Upper)	22 Kgm	(159 lb ft)
Nuts (lower-lock)	15 Kgm	(108 lb ft)

- (e) The above mentioned task is absolutely essential in the case of new vehicles or vehicles fitted with new/reconditioned springs as the springs leaves bed in after a short service and render the 'U' bolt nuts loose.