

DIRECTORATE GENERAL BORDER ROADS  
GENERAL MAINTENANCE INSTRUCTION NO. 151  
ON

DEFECTS IN NISSAN 1 TON VEHICLES: CONNECTIONG ROD BEARING AND  
RANK HAFT MAIN BEARINGSWORN OUT : PISTON RING WORN OUT

Introduction

1. Case of early failure of connecting rod bearings crank shaft main bearings and piston rings in Nissan 1 Ton vehicles have been reported by Workshops. This instruction lays down the necessary remedial measures for the affected 1 Ton Niassan vehicles in order to avoid recurrence of these defects.

Details

2. (a) Connecting Rod Bearings and Crank Shaft Main Bearings worn out

The defects are attributed to the followings :-

- (i) Use of incorrect grade of oil.
- (ii) Contamination of lubricating oil.
- (iii) continued use of vehicles without cleaning/changing the oil filters and the air cleaners.
- (iv) Oil change not curried out as per prescribed schedule.
- (v) In case vehicles are plying in dusty area or in desert, the oil change will have to be carried out more frequently.
- (vi) Excessive revving of engines in hilly areas is ..... to the life of bearings.

(b) Piston Rings worn out

The following remedial measures should be adopted to avoid recurrence of defects.

- (i) Check lubricating oil system.
- (ii) Check water cooling system including cylinder water jackets.
- (iii) Check cylinder head for proper tightness.
- (iv) Maintain the correct ring end gap.
- (v) Do not use choke excessively.
- (vi) Check carburetion for correct mixture (Petrol).
- (vii) Ensure proper maintenance and care of vehicles.

\*\*\*\*\*