

DIRECTORATE GENERAL BORDER ROADS
REPAIR INSTRUCTION No.03
REAR WHEEL LUBRICATION – NISSAN PATROL MODEL 60 SERIES

GENERAL

01. The rear wheel bearings need to be lubricated twice a year or once in 10,000 Km (or 6.00 miles), whichever is earlier. For this purpose the rear axle shaft and hub have to be removed, the lips of the oil seals should be coated with bearing grease during remounting the axle.

02. There is a danger of the above requirement not being adhered to, as the connected work is beyond the capabilities of units personnel and is time consuming in Field Workshops. The outer taper roller bearings (Part No.38440-25660) fitted at either end of the rear axle shaft wear out as a consequence. The end play of the half shafts is reduced to a level that the half shafts might touch each other.

03. This repair instruction lays down a drill to be followed by units and Field Workshops.

DETAILS

04. **Action by Units**

Vehicles will be sent on work order to Field Workshops at the intervals prescribed in para 1 above for checking and lubrication of the bearings.

05. **Action by Field Workshops**

(a) At the time of quarterly inspections, the end play of rear axle half shaft will be checked. Adjustments will be carried out with the help of dial indicator to bring the end play within acceptable limits Viz. 0.05 – 0.15 mm (0.002 – 0.006 in)

(b) During every alternate quarterly inspection or when vehicles are received on work order for the purpose (vide sub para (a) above, inspect rear axle shafts and bearings and

(c) Replace Axle shaft :-

(i) If bent

(ii) If twisted

(iii) If spline teeth damaged

(iv) If discolored at the place where the bearings rest

(d) Replace bearing :-

(i) if pitted

(ii) if discolored due to over heating

(e) Pack bearings with good quality bearing grease

(f) Endorse log books of vehicles suitably.

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END

AUG 1962