

DIRECTOR GENERAL BORDER ROADS
GENERAL REPAIR INSTRUCTION NO. 136
ON
LORRY 3 TON 4X2 TMB CYLINDER BORE SCRATCHED

Summary

1. A case of premature failure of over hauled TMB engine has been reported by Platoon 1065 Fd Wksp (GREF). No 5 cylinder bore scratched vertically on thrust side and Gudgeon pin boss elongated.

Items affected

2. Piston gudgeon pins and circlips.

Action by

3. Field and Base Wksp (GREF). Action as per para 4 below will be taken while removing/refitting piston gudgeon pins.

Details

4. (a) Removal of Gudgeon pin

- (i) Remove circlips holding piston pins
- (ii) Dip the piston in hot water at 70⁰ – 80⁰ C
- (iii) Remove piston pins with the help of drift (Special tool, Part No. 3125891339) holding the piston in vice.

(b) Fitting of Gudgeon pin

- (i) Heat piston upto 70⁰ – 80⁰ C by dipping in hot water
- (ii) Apply oil to the small end bush
- (iii) Fit piston pin making sure that the arrow on the connecting rod big end and the piston crown are on the same side
- (iv) Fit the circlips

Note : Check the service ability of circlips before fitting in case old pistons and piston pins are being used.