

DIRECTORATE GENERAL BORDER ROADS

GENERAL MAINTENANCE INSTRUCTION NO. 131

ON

SERVICING OF FUEL FILTERS: 330 CU IN DIESEL ENGINES WITH CAV-DPA FUEL INJECTION EQUIPMENTS AND SINGLE FUEL FILTER OF HINDUSTAN TRUCK

SUMMARY

1. This regulation lays down the instructions for proper maintenance of the fuel filters : 330 Cu. In diesel engines with CAV – DPA Fuel injection equipment and single fuel filter fitted with Hindustan Trucks and Buses.

ITEM EFFECTIVE

2. Fuel Filters: 330 Cu in diesel engines with CAV-DPA fuel injection equipments and single fuel filter.

ACTION BY ALL BASE WKSPS/ FIELD WKSPS (GREF)

3. To adhere to instruction given in detail as under :-

DETAILS

4. To ensure better protection of costly CAV-DPA pump, the following checks be carried out, regularly :-

IMPORTANT

(a) **DAILY** : Inspect the chassis mounted glass bowl fuel pre filter. Drain cut water and dediment if present. Clean and replace the bowl. Air vent fuel system.

(b) **Every 6000 Km or 2 months (whichever is earlier)** : Replace main fuel filter element. Air vent fuel system.

(c) Replace fuel filter elements more frequently where fuel storage condition is extremely poor.

ALWAYS AIR VENT FUEL SYSTEM BEFORE STARTING

- After draining the pr – filter.
- After changing filter element .
- after prolonged storage.

TO PREVENT TOTOR SEIZURS

- Never cranks engine for more than 30 secs. With dry rotor.
- Ensure there is plenty of fuel in the tank.
- Ensure there is no obstruction in supply line.

AIR VENTING THE FUEL SYSTEM

- (a) Slacken the plug on top of main fuel filter and the vent screw on the injection pump hydraulic head.
- (b) Hand pump fuel pump priming lever till air free fuel comes out from vent plug. Tighten vent plug while still continuing to pump priming lever.
- (c) Continue priming until air –free fuel issues from the vent screw on the injection pump hydraulic head, Tighten vent screw.
- (d) Undo any two high-pressure pipes at injector end. Keep the throtittle $\frac{3}{4}$ open and operate the starter for 20 seconds when clean fuel should flow cut through pipe ends Tighten pipe union carefully.

The engine is now ready to be started in normal manner.