

DIRECTORATE GENERAL OF BORDER ROADS
GENERAL MAINTENANCE INSTRUCTION NO.104
ON
AIR VENTING THE FUEL SYSTEM : CAV-DPA FUEL INJECTION
EQUIPMENT FITTED ON HINDUSTAN BEDFORD VEHICLES

Summary

1. Whenever the fuel pipe lines are disconnected such as when cleaning or renewing the filter elements, or if the fuel tank has been allowed to run dry, it will be necessary to air vent or bleed the system before attempting to start the engine.

Aim

2. To lay down the air venting procedure as recommended by manufacturers.

Action by

3. **User Units/Field Workshops (GREF)** : To adopt the procedure while bleeding the system.

Details

4. (a) Fuel feed pump pressure must not exceed 5 lb/in².
- (b) Slacken the plug on top of main fuel filter and the vent screw on the injection pump hydraulic head.
- (c) Hold pump fuel feed pump priming lever till clean and air-free fuel issues from the main fuel filter vent plug; then tighten the main fuel filter vent plug while still continuing to pump the priming lever.
- (d) Continue priming until air-free fuel issues from the vent screw on the injection pump hydraulic head; then tighten the screw.
- (e) Unscrew the high pressure pipe unions at injector end. Keep the throttle $\frac{3}{4}$ open and operate the starter for 20 seconds when clean fuel should flow out through the pipe ends. Tighten the unions carefully.
5. The engine is now ready to be started in normal manner.

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