

# SERVICE BULLETIN

DATE: April 13, 1985 BULLETIN NUMBER: 153  
MODEL: All Current Production Propulsion and Generator Models  
SUBJECT: Check valves and Fuel Pick-up Screens

1. Fuel starvation problems have occurred, resulting from the installer placing a check valve in the fuel supply line to the engine. Check valves can restrict the engine mounted fuel pump's ability to draw fuel from the fuel tank through the check valve and any in-line filters to the engine. This results in air being drawn into the system, causing loss of engine power and/or engine stoppage.

Check valves should not be installed in the fuel supply line to the engine.

2. Fuel tank pick-up tubes have been found to randomly have fine gauze screens installed in them by the tank manufacturer. These gauze screens can clog from debris in the fuel and stop fuel flow from the tank, resulting in loss of engine power and/or engine stoppage.

If a fuel starvation problem is encountered, check fuel supply to the engine from the fuel tank and examine the pick-up tube for the presence of a gauze screen and, if present, remove it. Gauze type screens should not be installed in fuel tank pick-up tubes. Fuel filtering must be accomplished by the serviceable fuel filters/separators between the fuel tank and engine as well as by the filters in the engine mounted fuel system.

NOTE: Monitoring return fuel can give an indication of supply restriction and/or air.

Return fuel should be free of air.



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