



Maintenance Procedure

No. MP1330

Page 1 of 2

TASK DESCRIPTION
CLEAN/REPLACE SECONDARY FUEL FILTERS
BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS
MP40PH-3C Head End Power MAINTENANCE MANUAL, CATERPILLAR MAINTENANCE MANUAL C27
SPECIAL TOOLS REQUIRED:
RELATED MAINTENANCE PROCEDURES MODIFICATIONS, POINTERS, ETC.
SAFETY PRECAUTIONS:
CONTRACTOR TO ASSUME RESPONSIBILITY FOR SAFETY RULES AND COMPLIANCE.
PREPARATION:

PROCEDURE

	Warning Fuel leaked or spilled onto hot surfaces or electrical components can cause a fire. Clean up fuel spills immediately.
	Caution Do not allow dirt to enter the fuel system. Thoroughly clean the area around the fuel system component that will be disconnected. Fit a suitable cover over any disconnected fuel system components. Use a suitable container to catch any fuel that may spill. Do not loosen fuel lines or fittings at the fuel manifold or ECM. The engine components may be damaged. Do not fill the secondary fuel filter with fuel before installing. The fuel would not be filtered and could be contaminated. Contaminated fuel will cause accelerated wear to the fuel system parts.

1. It may be necessary to relieve residual fuel pressure from the fuel system before removing the fuel filter. Loosen the fuel filter air purge plug in order to purge any residual pressure.
2. Remove the used fuel filter

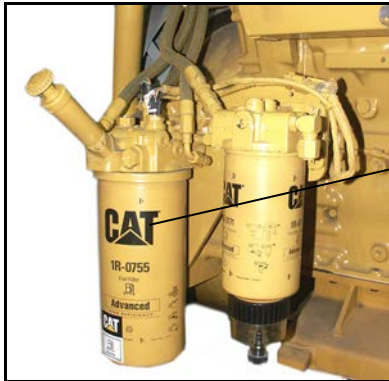
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Page 2 of 2

3. Clean the gasket sealing surface of the fuel filter base. Ensure that the old gasket is removed.
4. Apply clean diesel fuel to the new fuel filter gasket.
5. Install the new fuel filter. Spin the fuel filter onto the fuel filter base until the gasket contacts the base. Use the rotation index marks on the fuel filters as a guide for proper tightening. Tighten the filter for an additional $\frac{3}{4}$ turn by hand. Do not over tighten the filter.
6. Open the fuel tank supply valve and prime the fuel system to remove air bubbles from the system.
 - a. Unlock and operate the priming pump plunger until resistance is felt.
 - b. Push the plunger in and tighten by hand and lock the fuel priming pump.
7. Start the engine and check for leaks. Run the engine for one minute. Stop the engine and check for leaks again.



Secondary Fuel Filter

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