MERCURY MerCruiser

Service Bulletin

Bulletin No. 2009-01

Circulate to: ☐ Sales Manager ☐ Accounting ☑ Service Manager ☑ Technician ☑ Parts Manager

New Gen III Cool Fuel Module

Models Affected

All MerCruiser sterndrive and inboard engines equipped with Gen III cool fuel systems.

Models Covered	Serial Number
All sterndrive 5.0, 350, and 377 MPI models equipped with Gen III cool fuel	1A343749 and below
All sterndrive 496 models equipped with Gen III cool fuel	1A349420 and below
All inboard 5.7 and 6.2 MPI models equipped with Gen III cool fuel	1A091623 and below
All inboard 8.1 models equipped with Gen III cool fuel	1A380210 and below
All Scorpion 350 and 377 models equipped with Gen III cool fuel	1A091623 and below
All Tow Sports 8.1 MPI models equipped with Gen III cool fuel	1A380210 and below

NOTE: *Engines equipped with the Gen II Cool Fuel System are not affected.*

Situation

A new Gen III cool fuel module is being introduced to replace the existing Gen III module. Engines with serial numbers above the range listed are equipped with the new module from the factory. The primary difference between the designs is the method of connecting the cooling water hoses to the module. Refer to the Mercury Electronic Parts Catalog (EPC) for replacement modules for engines with serial numbers above the ranges listed.

For models in the defined serial number ranges listed see all of the information presented in this service bulletin.

Correction

The new style module will replace any older style module for service needs. In order to use the new module on earlier applications, the cooling water hoses and various fittings must be replaced. Kits are available to accommodate the various possible hose configurations. Order the Gen III Cool Fuel Module with pumps and filter, or a lower module housing only along with the proper hose kit for installation. One module and one kit are required per engine.

Replacement kits	
Complete Gen III module with pumps and filter	864650A13
Lower Gen III module housing (no pumps or filter)	864650A14
Two bib hose kit	865317T02
Three bib hose kit	865208T02

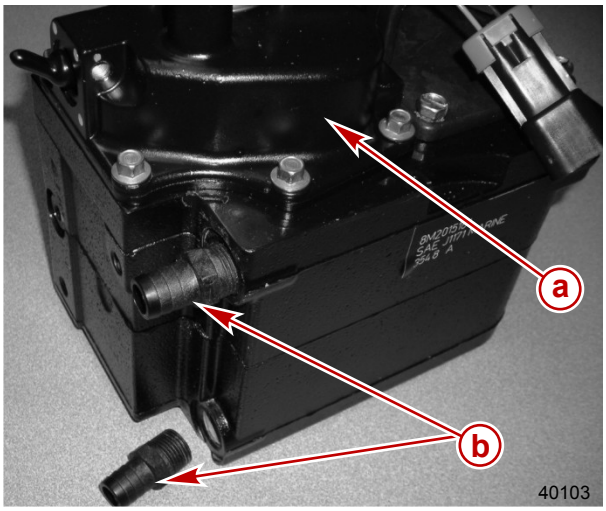
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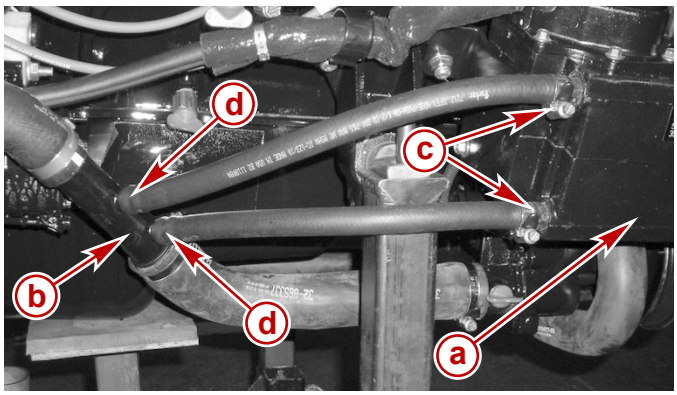
New Gen III Cool Fuel Module—General Information

Threaded hose barb fittings are supplied with the new Gen III cool fuel module. The threads on the barbed hose fittings and the threaded bore must be coated with Perfect Seal. Any removal of the fitting will require resealing the threads. Refer to the instruction sheet with the module for additional installation information.



a - Gen III cool fuel module
b - Barbed hose fitting

The hose connections at the module must be secured with hose clamps. The hose connections at the restrictor are friction fit and are preassembled at the factory.



a - Gen III cool fuel module
b - Restrictor
c - Hose clamp
d - Hose connection at restrictor

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Warranty

US and Canada: The Gen III Cool Fuel Module has been redesigned as part of our ongoing product improvement activities. This is not a recall. If a failure occurs to a Gen III pump under normal warranty terms, Mercury will cover the cost of the new kit. Submit a warranty claim through your normal warranty-processing channel, listing the actual part numbers used.

International: Follow the instructions issued by your Marine Power International office or by your distributor.

Old Parts

USA and Canada: Normal procedure

International: Follow the instructions issued by your Marine Power International office or by your distributor.

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