service bulletin

TO: SERVICE MANAGER ☐ TECHNICIANS ☐
PARTS MANAGER ☐

No. 97-20

Official Notification Under The U.S. Federal Boat Safety Act

EFI and MPI Fuel Line Replacement

Models

1997 MCM 350 Mag MPI Sterndrive Engines: S/N 0K001501-0L000000
1997 MCM 7.4LX MPI Sterndrive Engines: S/N 0K147350-0L000000
1997 MCM 454 Mag MPI Sterndrive Engines: S/N 0K147351-0L000000
1997 MCM 502 Mag MPI Sterndrive Engines: S/N 0K147352-0L000000
1997 MIE Black Scorpion MPI Ski Engine: S/N 0K040001-0L000000
1997 MIE 377 Scorpion MPI Ski Engine: S/N 0K000656-0K000869
1997 MIE 7.4L MPI Inboard Engine: S/N 0K146350, 0K146351 and 0K146535-0L000000
1997 MIE 8.2L MPI Inboard Engine: S/N 0K145122-0L000000

1998 MCM 4.3L EFI Sterndrive Engines: S/N 0L012008-0L025215
1998 MCM 5.0L EFI Sterndrive Engines: S/N 0L012052-0L025018
1998 MCM 5.7L EFI Sterndrive Engines: S/N 0L010035-0L012748
1998 MCM 350 Mag MPI Sterndrive Engines: S/N 0L010019-0L012895
1998 MCM 7.4L MPI Sterndrive Engines: S/N 0L010003-0L014226
1998 MCM 454 Mag MPI Sterndrive Engines: S/N 0L010029-0L014811
1998 MCM 502 Mag MPI Sterndrive Engines: S/N 0L017000-0L017311
1998 MIE 350 Mag MPI Ski Engines: S/N 0L002600-0L002616
1998 MIE 350 Mag MPI Inboard Engines: S/N 0L002008-0L002367
1998 MIE 7.4L MPI Inboard Engines: S/N 0L002006-0L002803
1998 MIE 454 Mag MPI Horizon: S/N 0L002200-0L003175
1998 MIE 8.2L MPI Inboard Engine: S/N 0L002450-0L002479

Situation

A fuel line on the models listed above may split and leak fuel. Because of the possibility of a fuel leak, do not run the engine(s) until the fuel lines have been replaced with the correct lines.

Inspection

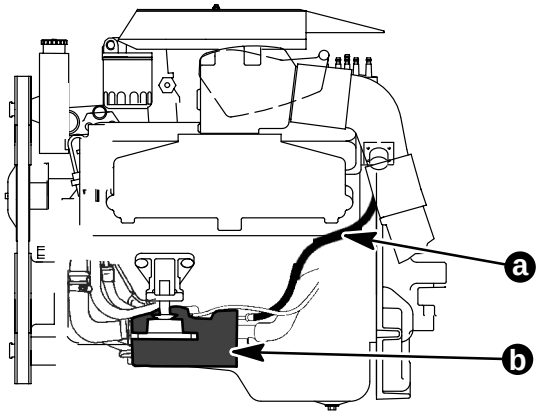
Inspect all affected fuel lines on engines that are in the serial number ranges listed. The CORRECT fuel lines are described on next page. Fuel lines with 'fire sleeves' will have to have the sleeve pulled back to see the metal hose coupler.

NOTE: *Follow the descriptions on the next 2 pages to verify if the engine is equipped with fuel lines that need to be replaced. Just because no leaks are present does not mean the fuel line is good.*

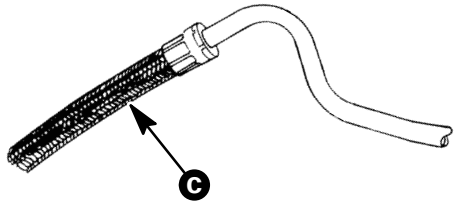
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1. MCM 4.3L EFI, 5.0L EFI, 5.7L EFI (TBI) Sterndrive Engines:

   Look at the fuel cooler to TBI fuel line. If it is braided, the fuel line IS GOOD and does not have to be replaced.



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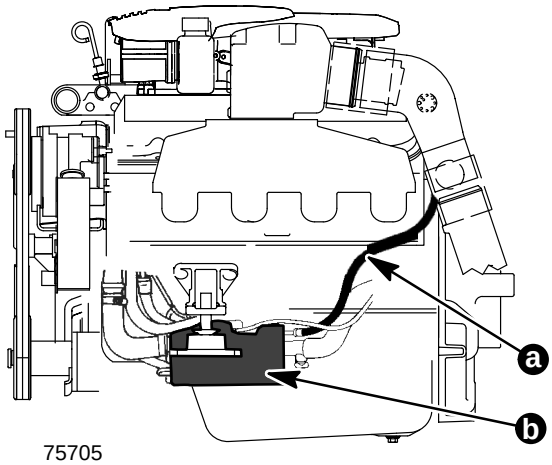


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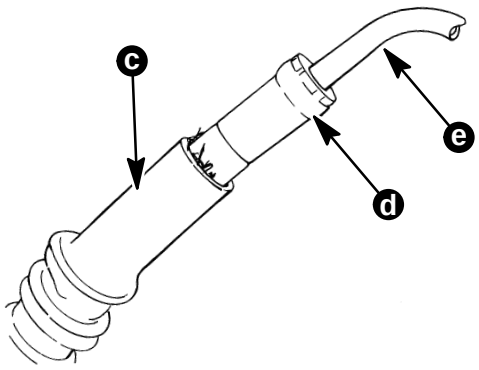
a - Fuel Line to TBI
b - Fuel Cooler.
c - Braided Fuel Line.

2. 1997 MCM 7.4LX MPI, 454 Mag MPI, 502 Mag MPI Sterndrive Engines:
   1997 MIE 7.4L MPI, 8.2L MPI Inboard Engines:
   1998 MCM 7.4L MPI, 454 Mag MPI, 502 Mag MPI Sterndrive Engines:
   1998 MIE 7.4L MPI, 454 Mag MPI Horizon, 8.2L MPI Inboard Engines:

   Look at the fuel cooler to fuel rail line. If the fuel line has a 'fire sleeve' AND the metal hose coupler is brass, the fuel line IS GOOD and does not have to be replaced.



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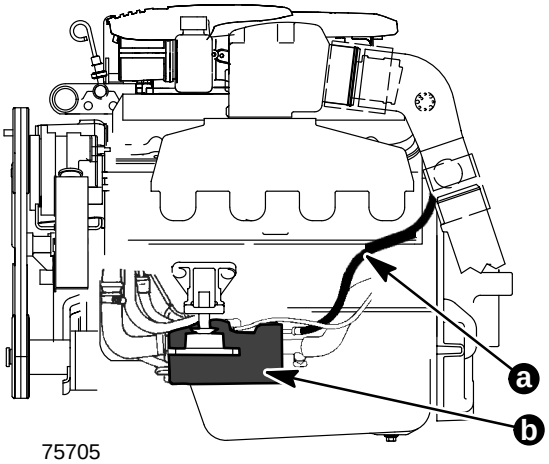


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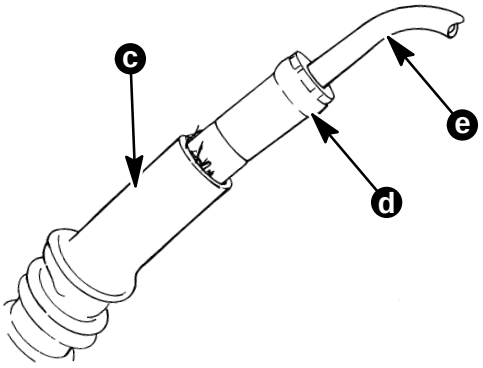
a - Fuel Line to Fuel Rail.
b - Fuel Cooler.
c - 'Fire Sleeve' Pulled Back.
d - Brass Hose Coupler.
e - Stainless Steel.

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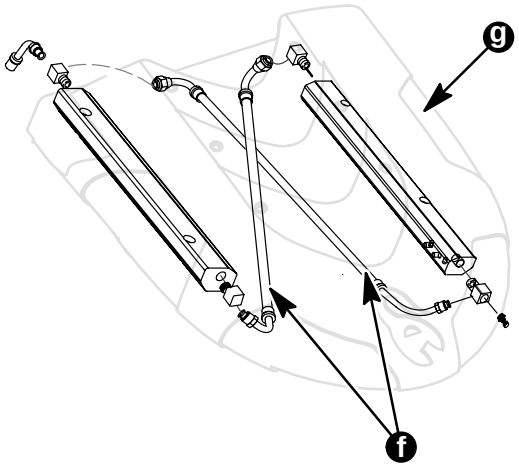
3. 1997 MCM 350 Mag MPI Sterndrive Engines:
   1997 MIE Black Scorpion MPI Ski, 377 Scorpion MPI Ski Engines:
   1998 MCM 350 Mag MPI Sterndrive Engines:
   1998 MIE 350 Mag MPI Ski Engines:
   1998 MIE 350 Mag MPI Inboard Engines:
   a. Look at the fuel cooler to fuel rail line. If the fuel line has a 'fire sleeve' AND the metal hose coupler is brass, the fuel line IS GOOD and does not have to be replaced.
   b. Also look at the 2 rail to rail fuel lines. If the fuel lines have a 'fire sleeve' AND the metal hose couplers are brass, the fuel lines ARE GOOD and do not have to be replaced.



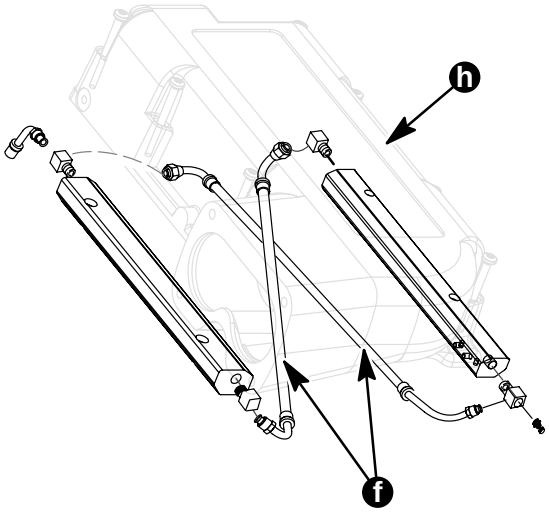
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a - Fuel Line to Fuel Rail.
b - Fuel Cooler.
c - 'Fire Sleeve' Pulled Back.
d - Brass Hose Coupler.
e - Stainless Steel.
f - Rail to Rail Fuel Lines.
g - Scorpion Intake Plenum.
h - 1997 350 Mag MPI Plenum. Not On 1998 350 Mag MPI Engines.

Correction

Change incorrect fuel lines on any engine that you have in stock. If the boat has been sold, please contact your customer and perform this service on their engine(s).

NOTE: *Use a small amount of liquid soap on 'O' Rings to ease installation.*

USA and Canada only: When an engine is registered at Mercury Marine, the serial number will be checked to see if this recall has been done. If our records do not show that the recall was done, the customer will be contacted by mail, telling them to have it done by a dealer. Customer letter is shown on last page.

Part Required

1997 Model	Part Number	Description	Order
MCM 350 MPI S/N 0K001501-0L000000	32-861565A 1	Fuel Line Kit	1
Black Scorpion Ski S/N 0K040001-0L000000, 377 Scorpion Ski S/N 0K000656-0K000869	32-861567A 1	Fuel Line Kit	1
MCM 7.4LX MPI S/N 0K147350-0L000000, MCM 454 MPI S/N 0K147351-0L000000, MCM 502 MPI S/N 0K147352-0L000000, MIE 7.4L MPI Inboard S/N 0K146350, 0K146351, 0K146535-0L000000, MIE 8.2L MPI Inboard S/N 0K145122-0L000000	32-861569A 1	Fuel Line Kit	1

1998 Model	Part Number	Fuel Line Description	Order
MCM 4.3L EFI S/N 0L012009-0L025215,	32-861571A 1	Cooler to TBI	1
MCM 5.0L EFI S/N 0L012052-0L025018, MCM 5.7L EFI S/N 0L010035-0L012748	32-861564A 1	Cooler to TBI	1
MCM 350 Mag MPI S/N 0L010019-0L012895, MIE 350 Mag MPI Ski S/N 0L002600-0L002616, MIE 350 Mag MPI Inboard S/N 0L002008-0L002367	32-861565A 2 32-861566 32-861570	Cooler to TBI Rail to Rail Rail to Rail	1 1 1
MCM 7.4L MPI S/N 0L010003-0L014226, MIE 7.4L MPI Inboard S/N 0L002006-0L002803	32-861563A 1	Cooler to Rail	1
MCM 454 MPI S/N 0L010029-0L014811, MCM 502 MPI S/N 0L017000-0L017311, MIE 454 Mag MPI Horizon Inboard S/N 0L002200-0L003175, MIE 8.2L MPI Inboard S/N 0L002450-0L002479	32-861569A 2	Cooler to Rail	1

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Warranty

Fill out warranty claim and send it to your normal warranty processing center. This includes any engine that was inspected and no fuel lines were changed. More than one engine can be put on the warranty claim if you list the part number, engine model, serial number, warranty code and labor hours for each engine on separate lines on warranty claim.

Warranty Code and Labor:	Inspect only, no lines changed	EXCP 0.2 Hours.
	1997 350 Mag MPI	EXCP 2.2 Hours.
	1997 Black Scorpion and 377 Scorpion	EXCP 3.0 Hours.
	1997 MCM/MIE 454 And 502 cid models	EXCP 2.0 Hours.
	1998 4.3L, 5.0L, and 5.7L EFI	EXCP 1.0 Hours.
	1998 350 Mag MPI	EXCP 1.2 Hours.
	1998 MCM/MIE454 And 502 cid models	EXCP 1.0 Hours.
Old Part:		

IMPORTANT: Let fuel line air dry for 24 hours before returning.

USA and Canada: Return with warranty claim.
All Others: Retain for disposition by a Marine Power representative.

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USA and Canada Only

NOTICE OF RECALL UNDER THE FEDERAL BOAT SAFETY ACT

Dear MerCruiser Customer:

Our records indicate that you are the registered owner of a MerCruiser powered boat. We have determined that the MerCruiser engine installed in your boat may be in a group of engines that is part of a Recall under the Federal Boat Safety Act.

The fuel injected MerCruiser engines included in this recall may have been equipped with vendor supplied fuel lines that may be susceptible to splitting. If splitting of the fuel line were to occur, this would result in fuel leaks. A spark or other ignition source could ignite the fuel fumes resulting in a fire or explosion. Because of this potential for fire or explosion, we recommend that **you do not operate your boat until the fuel lines have been verified and/or replaced.**

You can determine yourself if the fuel line(s) on your engine need to be replaced or you can take your boat to a MerCruiser dealer for inspection. If you verify the fuel line(s) yourself, utilize the diagrams on the enclosed illustration sheet to determine the location of the fuel line(s) to be verified and the methods for identifying good fuel lines. If you don't feel comfortable making this verification, your MerCruiser dealer can do it for you.

If inspection reveals that the fuel line(s) on your engine are not of the type that need to be replaced, please fill out the form on the back of this letter and return it to MerCruiser either by mail in the enclosed postage paid envelope provided or by fax at 1-800-245-8794.

⚠WARNING **If inspection reveals that the fuel line(s) are of the type that need to be replaced, do not use your boat until the defective fuel line(s) have been replaced.**

Your MerCruiser dealer has been made aware of this situation via Service Bulletin SB97-20. Please contact your dealer and make the necessary arrangements to have the fuel line(s) inspected and replaced if required. The inspection and fuel line replacement will be done at no charge to you.

MerCruiser apologizes for any inconvenience or concern that results from this situation. We take this action in the interest of safety and our continued commitment to boating and to the Marine Industry.

If you have any questions regarding this recall, please contact your MerCruiser dealer or you may contact MerCruiser Customer Service by phone (405) 743-6566 or by fax 1-800-245-8794.

Sincerely,

Larry Engelbert
Director of MerCruiser Service

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