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Low Permeation Fuel Hose

Models Affected

All Mercury, Mariner, and Racing outboards manufactured after January 1, 2009 that are for sale, sold, or offered for sale in the United States.

Situation

To meet the Environmental Protection Agency (EPA) regulations, any outboard engine built on or after January 1, 2009, for sale, sold, or offered for sale in the United States must use a low permeation fuel hose between the fuel tank and the first fuel line connection on the outboard.

- Low permeation fuel hose is USCG Type B1-15, or Type A1-15 defined as not exceeding 15 g/m²/24 h with CE 10 fuel at 23 °C as specified in SAE J 1527 – marine fuel hoses.
- The rule defines it as the first connection on the engine, which means the stub hose or pigtail that is factory installed does not need to be low permeation.
- If the OEM/boatbuilder supplies the hose, they should use low permeation hose.
- Outboard engines manufactured prior to January 1, 2009 that are installed on boats after January 1, 2009 are not required to use low permeation fuel hose.
- If the OEM/boatbuilder has inventory of non-low permeation hose, they are allowed to use it up prior to changing over to low permeation hose. Stockpiling is not allowed.
- Any non-low permeation fuel hoses and hose kits that were produced prior to January 1, 2009, can still be sold as service parts until inventory is depleted. However, they cannot be used to rig engines produced in 2009 and beyond.
- Mercury and Mariner engines that are supplied with a fuel hose, regardless of production date, will have the correct fuel hose to meet EPA regulations.

Low Permeation Fuel Hose from Mercury Marine

The light gray fuel hose that is typically used to connect between the outboard and fuel supply in the boat, will now be available in low permeation. This includes the fuel hoses shipped with engines manufactured on or after January 1, 2009.

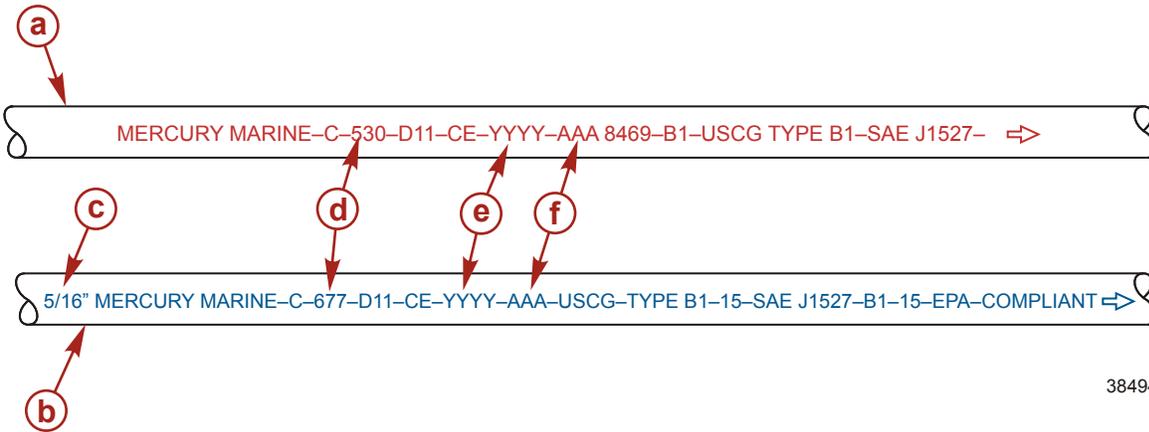
The new hose will remain light gray in color. Other changes to the new fuel hose include:

- An inner liner resistant to chemicals and alcohol fuels.
- An outside PVC jacket with increased UV resistance to prevent browning of the exterior surface.

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The new low permeation fuel hose from Mercury Marine will have a different compound number printed on the hose. The red print on the older non-low permeation hose will change to the blue print on the new low permeation hose.



38494

- a** - Non-low permeation hose
- b** - Low permeation hose
- c** - Hose inside diameter (I.D.)
- d** - Compound number or type
- e** - Year of manufacture
- f** - Supplier identification

NOTE: The non-low permeation bulk hose rolls and kits will NOT directly supersede to the low permeation hose.

Fuel Hose and Tank Kits

Description	Part No. Non-Low Permeation	Part No. Low Permeation
Hose/coupler kit	Not available	820661A02
Fuel hose assembly, 5.5 ft no primer bulb	858610A20	Not available
Fuel hose assembly, 8 ft with bulb	877682Q8 877682T8	858114Q08 858114K08
Fuel hose assembly, 12 ft with bulb	877682Q12 877682T12	858103Q12 858103K12
Fuel hose assembly, 8 ft with bulb, quick disconnect and ¼ in. barb fitting	877681Q8 877681T8	858104Q08 858104K08
Fuel hose assembly, 12 ft with bulb, quick disconnect and ¼ in. barb fitting	877681Q12 877681T12	858106Q12 858106K12
Fuel hose assembly, 8 ft with bulb, quick disconnects fuel tank and engine end	877680Q8 877680T8	858107Q08 858107K08
Fuel hose assembly, 12 ft with bulb, no connector tank or engine end	877683Q12 877683T12	858108Q12 858108K12
Fuel hose assembly, 12 ft with bulb and OMC connectors	879618Q12	858110Q12
Fuel hose assembly, 8 ft with bulb, screw in tank end and Force engine connector	877684Q8 877684T8	858112Q08 858112K08
Fuel hose assembly, 8 ft with bulb, older style tank disconnect, and newer style engine quick disconnect	877685Q8 877685T8	858105Q08 858105K08
Fuel hose assembly, 12 ft with bulb, quick disconnects fuel tank and engine end	877680Q12 877680T12	858109Q12 858109K12

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Description	Part No. Non-Low Permeation	Part No. Low Permeation
Fuel hose assembly, 9 ft with bulb, 24 pack	858610B31	858610B32
V6 oil tank, fuel hose rigging kit, see accessory guide for details	879932A03	879932A15
V6 oil tank, fuel hose rigging kit, see accessory guide for details	879932A04	879932A16
V6 oil tank, fuel hose rigging kit, see accessory guide for details	879932A13	879932A17
V6 oil tank, fuel hose rigging kit, see accessory guide for details	879932A14	879932A18
V6 oil tank, fuel hose rigging kit, see accessory guide for details	879934A2	879934A04
V6 oil tank, fuel hose rigging kit, see accessory guide for details	879934A12	879934A14
V6 oil tank, fuel hose rigging kit dual, see accessory guide for details	879935A3	879935A05
V6 oil tank, fuel hose rigging kit dual, see accessory guide for details	879935A13	879935A14
V6 oil tank, fuel hose rigging kit, see accessory guide for details	879936A2	879936A03
V6 oil tank, fuel hose rigging kit, see accessory guide for details	879942A02	879942A03
1.5 liter fuel hose and SmartCraft rigging kit, see accessory guide for details	891954A13	891954A15
V6 oil tank, fuel hose rigging kit, see accessory guide for details	891954A22	891954A25
1.5 liter fuel hose and SmartCraft rigging kit, see accessory guide for details	891954A23	891954A26
1.5 liter fuel hose and SmartCraft rigging kit, see accessory guide for details	891954A24	891954A27
Fuel hose, 8 ft with bulb and screw in tank fitting	858610A37	8M0038616
Fuel hose, 4 ft with bulb and engine connector	858610A36	8M0038615
Fuel hose, 8 ft with tank quick disconnect	881140Q08	858113Q08
Fuel hose, 8 ft with tank quick disconnect	881140K08	858113K08
Bulk 100 ft roll, 5/16 in. I.D.	32-858610100	8M0038500
Bulk 100 ft roll, 3/8 in. I.D.	32-897967100	8M0038563

Dealer/OEM Inventory

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