

FUEL PUMP CHECK VALVE KIT

IMPORTANT: This document guides our dealers, boatbuilders, and company service personnel in the proper installation or service of our products. If you have not been trained in the recommended servicing or installation procedures for these or similar Mercury Marine products, have the work performed by an authorized Mercury Marine dealer technician. Improper installation or servicing of the Mercury product could result in damage to the product or personal injury to those installing or operating the product.

NOTE: After completing installation, place these instructions with the product for the owner's future use.

Components Contained in Kit 8M0084275

Qty.	Description	Part Number
1	Fuel pump diaphragm	55278-1
2	Fuel pump gasket	60537
2	Check valve gasket	92010
2	Fuel pump gasket	76863
1	Check valve	13424
1	Fuel pump check valve	8M0082362
1	Compression spring	86207
1	Spring cap	86252
2	Screw	43725

Components Contained in Kit 8M0084276

Qty.	Description	Part Number
2	Fuel pump check valve	8M0082362
1	Fuel pump diaphragm	55278-1
2	Fuel pump gasket	59052
2	Check valve gasket	92010
1	Compression spring	86207
1	Spring cap	86252
2	Screw	43725

Components Contained in Kit 8M0084277

Qty.	Description	Part Number
2	Fuel pump check valve	8M0082362
2	Check valve gasket	92010
1	Inlet fuel screen	59072
1	O-ring	35480
1	Gasket	25848
1	Fuel pump diaphragm	89031
2	Fuel pump gasket	75360-1
1	Fuel pump gasket	86366
1	Gasket	8M2005017
1	O-ring	38933
1	Compression spring	86207
2	Screw	43723
1	Spring cap	86252
1	Pulse chamber	87990-1

Installing Check Valve Kit 8M0084275

⚠ WARNING

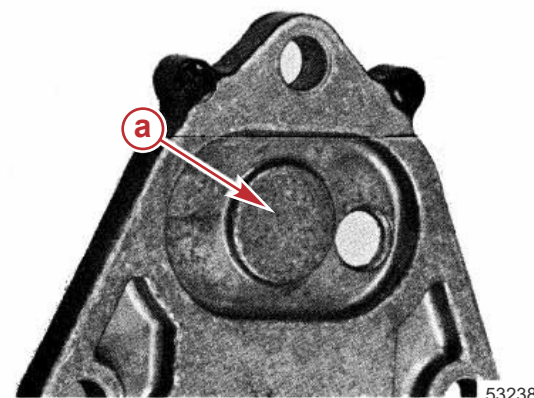
Performing service or maintenance without first disconnecting the battery can cause product damage, personal injury, or death due to fire, explosion, electrical shock, or unexpected engine starting. Always disconnect the battery cables from the battery before maintaining, servicing, installing, or removing engine or drive components.

⚠ WARNING

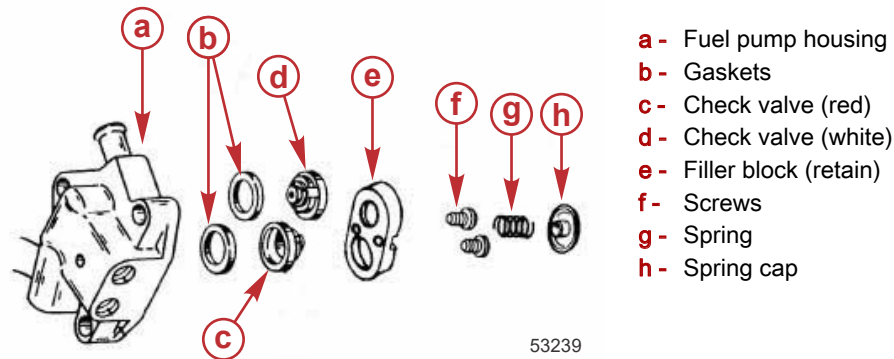
Fuel is flammable and explosive. Ensure that the key switch is OFF and the lanyard is positioned so that the engine cannot start. Do not smoke or allow sources of spark or open flame in the area while servicing. Keep the work area well ventilated and avoid prolonged exposure to vapors. Always check for leaks before attempting to start the engine, and wipe up any spilled fuel immediately.

IMPORTANT: Do not discard the filler block from the fuel pump. The filler block must be retained for assembly—a new filler block is not included in this kit.

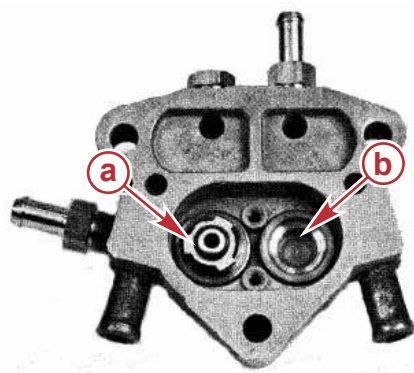
IMPORTANT: This check valve kit requires a raised cast boss in the fuel pump pulse chamber of the transfer port cover, as shown. If your transfer port cover does not have the raised cast boss, replace the transfer port cover with P/N 43065-1 for 35–40 horsepower models, or 99523A1 for 60–70 horsepower models.



1. Install the new gaskets and check valves into the fuel pump, as shown.

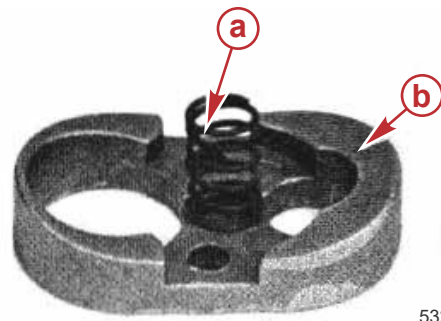


FUEL PUMP CHECK VALVE KIT



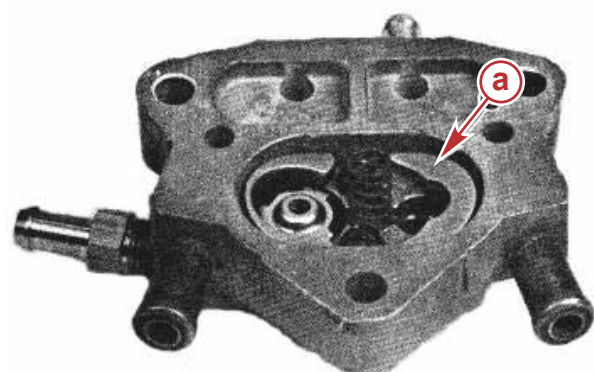
a - Check valve (red)
b - Check valve (white)

2. Install the spring into the filler block by placing it into the hole and compressing it while turning it clockwise until it bottoms out in the hole.



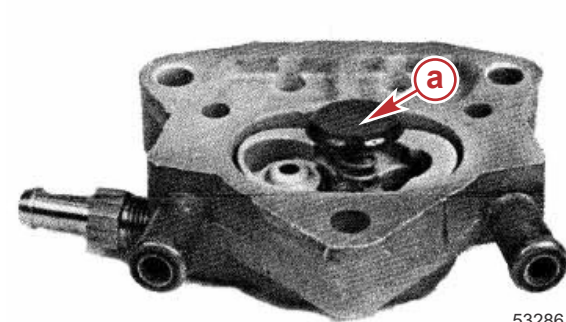
a - Spring
b - Filler block (retain)

3. Secure the check valves in the fuel pump with the filler block, as shown. Secure the filler block to the fuel pump with the two supplied screws. Tighten the screws evenly and securely.



a - Filler block

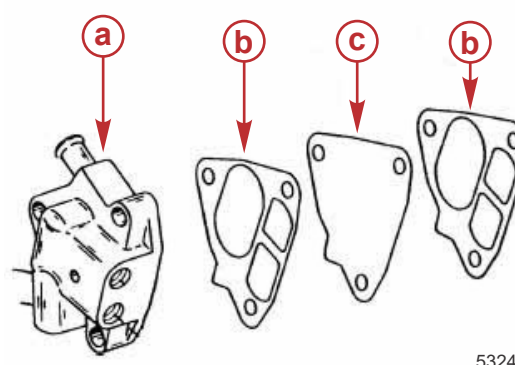
4. Push the spring cap onto the spring.



a - Spring cap

FUEL PUMP CHECK VALVE KIT

5. Assemble the fuel pump housing, diaphragm, and gaskets as shown.



a - Fuel pump housing
b - Fuel pump gasket
c - Fuel pump diaphragm

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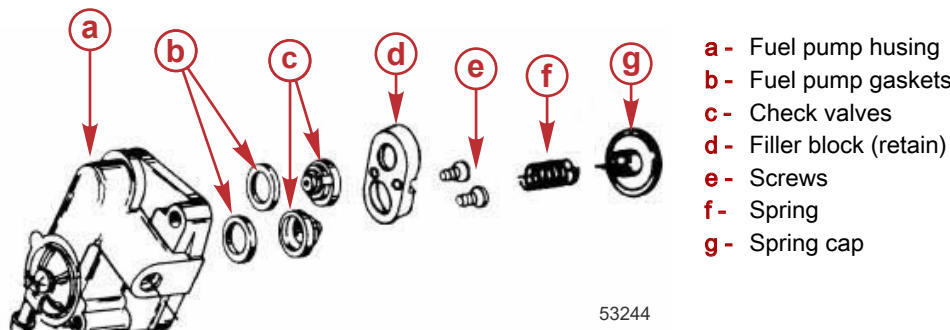
⚠ WARNING

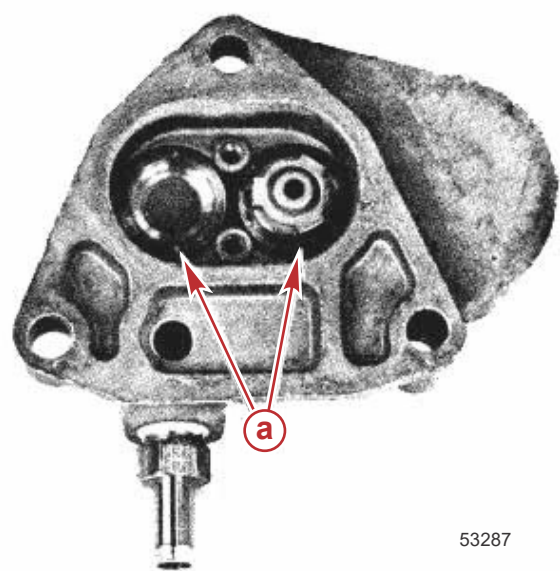
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IMPORTANT: Do not discard the filler block from the fuel pump. The filler block must be retained for assembly—a new filler block is not included with this kit.

IMPORTANT: If this check valve kit is being installed on an engine below S/N A197881, the transfer port cover that the fuel pump mounts to will need to be replaced with P/N 73320-1.

1. Install the new gaskets and check valves into the fuel pump as shown.

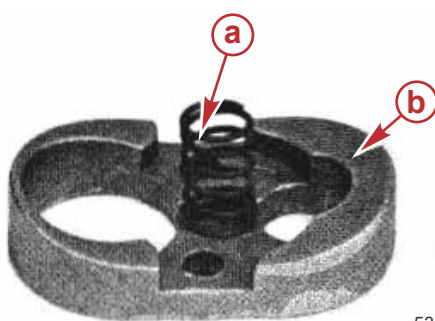




a - Check valves

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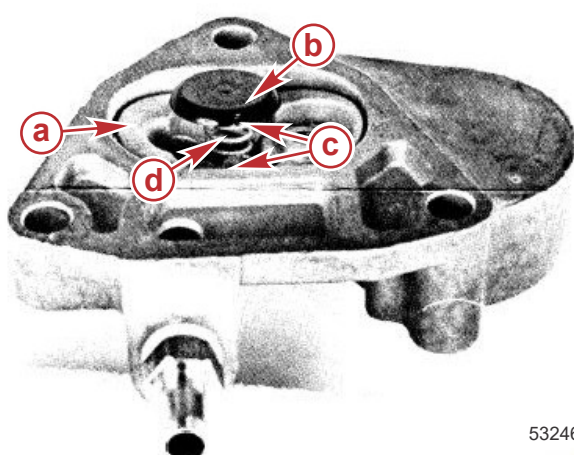
2. Install the spring into the filler block by placing it into the hole and compressing it while turning it clockwise until it bottoms out in the hole.



a - Spring
b - Filler block (retain)

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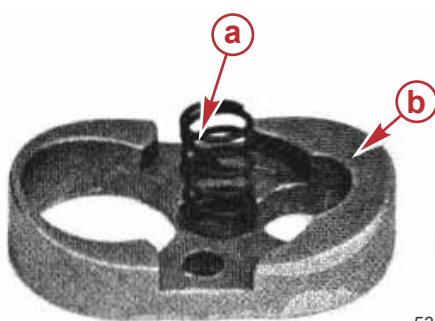
3. Push the spring cap onto the spring.
4. Secure the check valves in the fuel pump with the filler block, as shown. Secure the filler block to the fuel pump with the two supplied screws. Tighten the screws evenly and securely.



a - Filler block
b - Spring cap
c - Screws
d - Spring

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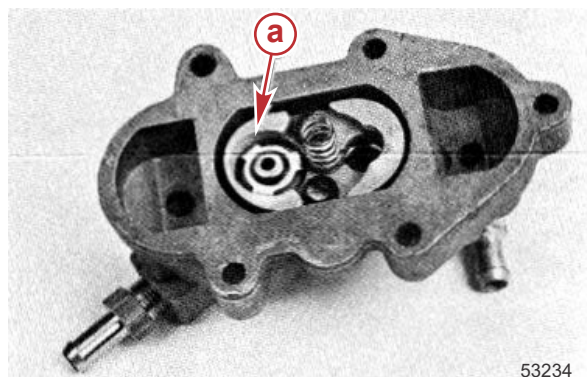
2. Install the spring into the filler block by placing it into the hole and compressing it while turning it clockwise until it bottoms out in the hole.



a - Spring
b - Filler block (retain)

53279

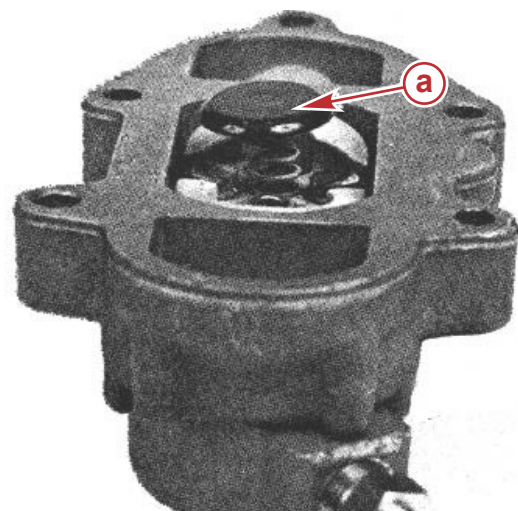
3. Secure the check valves in the fuel pump with the filler block, as shown. Secure the filler block to the fuel pump with the two supplied screws. Tighten the screws evenly and securely.



a - Filler block

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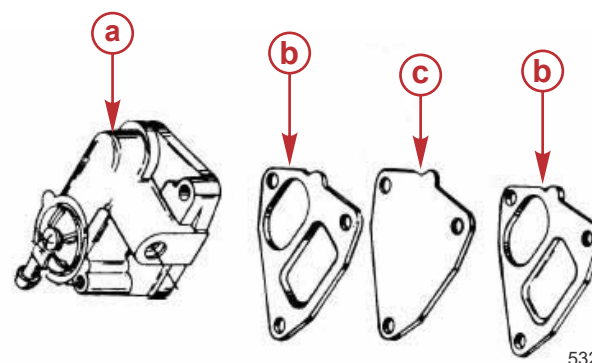
4. Push the spring cap onto the spring.



a - Spring cap

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5. Assemble the fuel pump housing, diaphragm, and gaskets as shown.



a - Fuel pump housing
b - Fuel pump gaskets
c - Fuel pump diaphragm

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Installing Check Valve Kit 8M0084277

WARNING

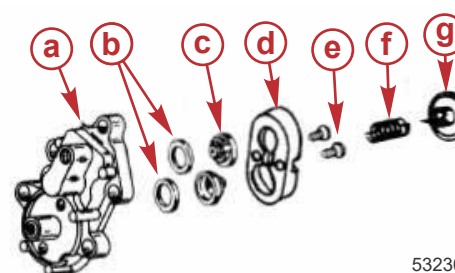
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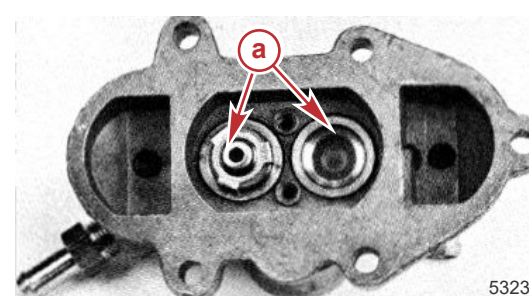
IMPORTANT: Do not discard the filler block from the fuel pump. The filler block must be retained for assembly—a new filler block is not included in this kit.

1. Install the new gaskets and check valves into the fuel pump as shown.



a - Cover
b - Gaskets
c - Check valves
d - Filler block
e - Screws
f - Spring
g - Spring cap

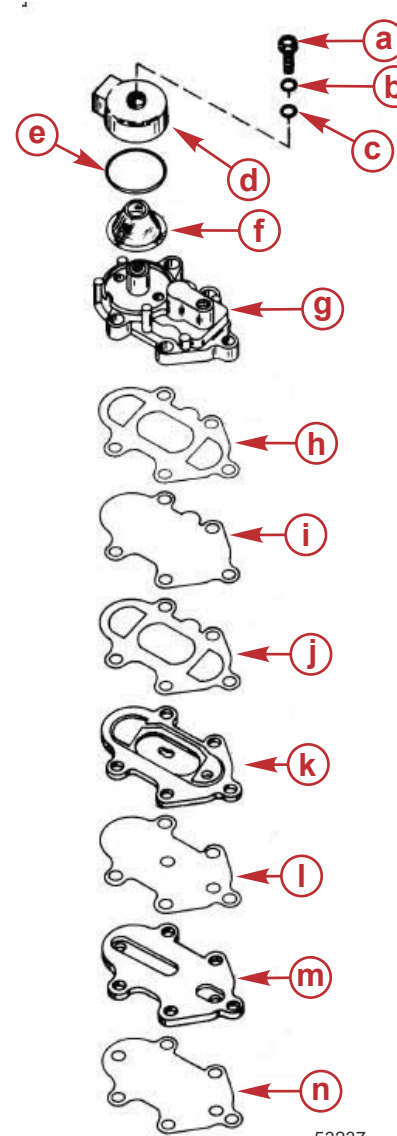
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a - Check valves

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5. Assemble the remaining fuel pump components as shown.



a - Screw
b - Gasket
c - O-ring
d - Cover
e - O-ring
f - Fuel inlet screen
g - Pump body
h - Fuel pump gasket
i - Fuel pump diaphragm
j - Fuel pump gasket
k - Pulse chamber
l - Gasket
m - Pump base
n - Base gasket

53237