MARINER OUTBOARDS

MERCURY OUTBOARDS

service bulletin

No. 91-11

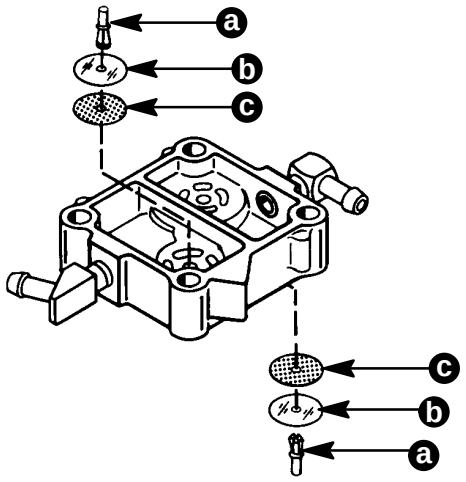
Thicker Fuel Pump Check Valves – 1991 40 thru 275

Mariner and Mercury Starting Serial Number	US	Belgium
40, 50/60 (4 cyl.)	OD048673	OG660394
75-90	OD055949	OG660394
100/115	OD055683	OG660394
135-200	OD056651	
275	OD057353	

Previous rubber fuel pump check valves had the potential to be partially pulled into the fuel passage way of the fuel pump body. The result is the outboard may surge (partial reduction in fuel flow) or, in an extreme condition, not run (complete loss of fuel flow).

Our reports indicate outboards with this failure may be back firing regularly and/or using fuel with a high alcohol content. Correct the cause of the engine back fire and use fuels without alcohol before replacing the fuel pump check valves.

A mid-year product improvement change increased the thickness of the check valve from 0.017 inch (0.43mm) to 0.030 inch (0.77mm). When replacing a check valve that has been pulled into the fuel passage way, install a new fuel pump diaphragm kit listed which has the thicker check valves.



50161

a - Retainer
b - Plastic Disc
c - Rubber Check Valve

Figure 1

QUICKSILVER:

All existing inventory of the fuel pump diaphragm kits were reworked. The previous kits supersede to the new kits listed which have the thicker check valves.

70-90, 100/115	42909A-3
35, 50/60 (49.8 cu. in.) 75 (4 cyl.), 90/115	21-42990A-7
40 (4 cyl.), 45	21-42990A-8
50/60 (51.8 cu. in.) 135-220, 250/275	21-42990A-9

WARRANTY:

If a failure occurs within twelve months from the date of sale, the normal one year warranty applies.

Complete warranty listing:

- Outboard Serial Number
- Diaphragm Kit Part Number
- One half (0.5) hour labor
- Warranty labor rate code OF14
- Replaced parts:
  - **US and Canada** – Hold parts 60 days after credit is received
  - **International** – Hold for inspection/disposal by a Marine Power International technical representative

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