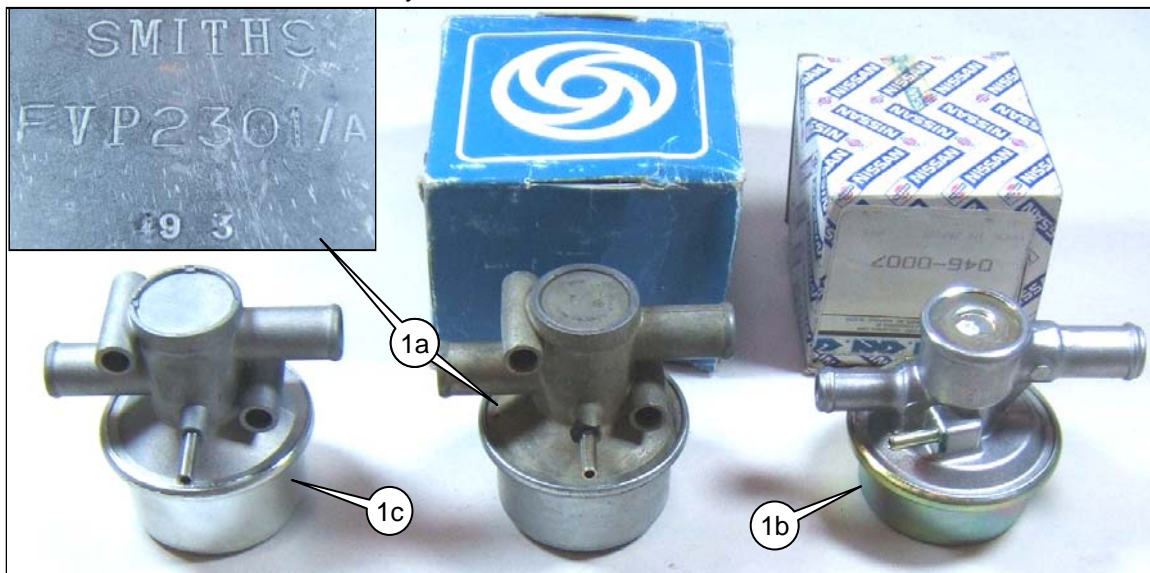


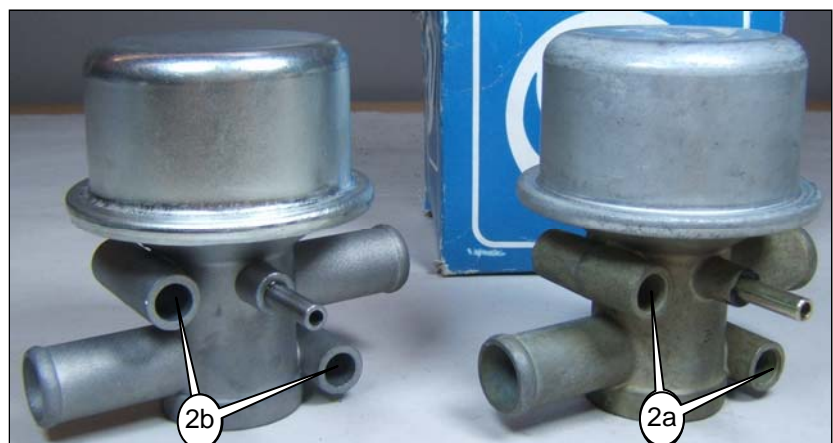
1 **Supplemental Information**
2 **for**
3 **366-010 or 13H6189 Gulp Valve**
4 **MGB 68-80, MG MIDGET 68-74**
5

6 The gulp valve is fitted in the hose running from the air pump to the inlet manifold. It controls the flow of
7 air for diluting the rich air/fuel mixture present in the inlet manifold immediately following throttle closure
8 after running at full throttle opening (i.e. engine over-run). A small diameter hose or "sensing pipe"
9 connected between the inlet manifold and the gulp valve maintains manifold vacuum directly to the
10 underside of the diaphragm in the gulp valve and, through a bleed hole, to the upper side of the same
11 diaphragm. Normally, the vacuum on both sides of the gulp valve diaphragm are equal, and the valve is
12 closed. When you lift your foot of the gas quickly, the manifold vacuum quickly rises, pulling on the
13 underside of the diaphragm, which opens the valve and air (from the air pump) flows into the inlet
14 manifold. Fairly quickly, the bleed hole allows differences in vacuum acting on the diaphragm to equalize
15 inside the gulp valve, and the valve closes, stopping to flow of air into the inlet manifold. When the gulp
16 valve fails, it is usually the diaphragm that goes. Backfiring when you lift off the gas at higher speeds is an
17 indication that you need to replace the gulp valve.
18

19 When the supply of original gulp valves (1a) went away, a number of replacement units were used. We
20 sold a Nissan gulp valve (1b) with a mounting bracket. Some suppliers just sold the Nissan gulp valve.
21 Moss invested considerable time and effort in the tooling to make an accurate reproduction of the original
22 Smiths part (1c), which we introduced in April of 2008. These gulp valves look right, and more importantly,
23 behave just like the Smiths valve. Now, ironically, we have customers questioning the new valve because
24 "it does not look like what's on my car...".
25



44
45
46 The Moss Gulp Valve is mounted the
47 same way as the OE unit; the
48 mounting bolts go through the cast
49 "tubes" in the valve body. The size,
50 position and orientation of the original
51 "tubes" (2a) has been captured in the
52 reproduction (2b).
53
54



55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101

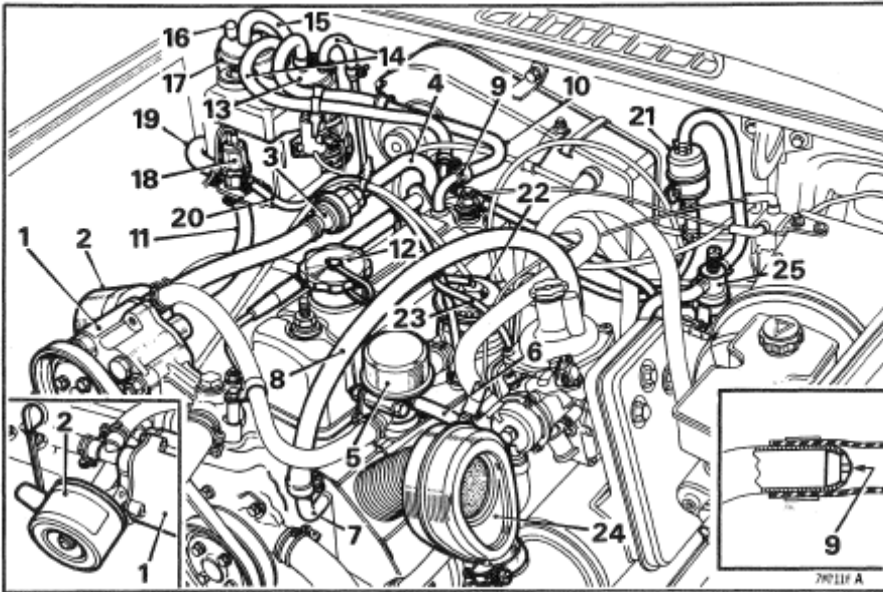
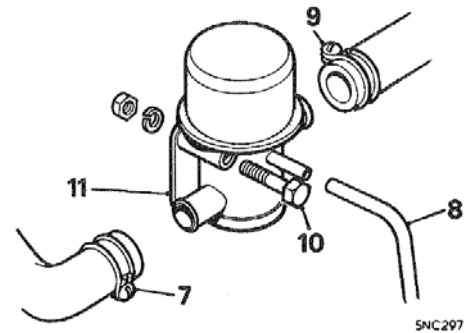


Fig. T.1
The emission control components—1979 and later

- | | |
|--|--|
| 1. Air pump | 14. Vapour lines |
| 2. Air pump air cleaner | 15. Canister inter-connecting pipe |
| 3. Check valve | 16. Sealing cap |
| 4. Air manifold | 17. Secondary charcoal adsorption ca |
| 5. Gulp valve | 18. Running-on control valve |
| 6. Sensing pipe | 19. Running-on control hose |
| 7. Oil separator/flame trap | 20. Running-on control pipe |
| 8. Breather pipe | 21. Fuel filter |
| 9. Restricted connection | 22. Exhaust gas recirculation (E.G.R.) |
| 10. Purge line | 23. E.G.R. valve hose |
| 11. Air vent pipe | 24. Air temperature control valve |
| 12. Sealed oil filler cap | 25. Fuel cut-off valve |
| 13. Primary charcoal adsorption canister | |



Removing

7. Disconnect the air pump hose from the gulp valve.
8. Disconnect the sensing pipe from the gulp valve.
9. Slacken the clip securing the manifold hose to the gulp valve.
10. Remove the two nuts, bolts, and washers securing the gulp valve to the mounting bracket.
11. Remove the gulp valve.

Refitting

12. Reverse the procedure in 7 to 11.

Although every effort has been made to ensure the accuracy and clarity of this information, errors and/or omissions on our part are almost inevitable. Any suggestions that you may have that will improve the information (especially detailed installation notes) are welcome. Please use the simple email form on the "Contact Us" page on the Moss website: <http://www.mossmotors.com/AboutMoss/ContactUs.aspx>
If you prefer, you may call our Technical Services Department at 805-681-3411. So many people call us for help that we are often not able to answer the calls as fast as we'd like, and you may be asked to leave a message. We apologize in advance for the inconvenience. We will get back to you within 2 business days.



Moss Motors, Ltd.

440 Rutherford Street, Goleta, California 93117
In the US & Canada Toll Free (800) 667-7872 FAX (805) 692-2510 (805) 681-3400

Moss Europe Ltd.

Hampton Farm Industrial Estate, Hampton Road West, Hanworth Middlesex, TW13 6DB
In the UK: 020-8867-2020 FAX:- 020-8867-2030