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REF: Engine Mechanicals - Sub-04J

Further Study of Evo Sportster Breather Valves

See also in the REF section of the Sportsterpedia:

- [Breather Valves \(1957-Up\)](#) (list of breather valve changes)
- [Breather Venting / Relocation](#)
- [Evo Crankcase Ventilation \(1986-Up\)](#)

Comparing L1984 and 1991 Umbrella Valves

L1984-1990 umbrella valve (26856-82).

1991-2003 umbrella valve (26856-89).

Dims: ¹⁾

Outside diameter:

L1984 - 1.25"

1991 - 1.0"

Edge thickness (1/8" in average):

L1984 - 0.036"

1991 - 0.041"

- The pic below shows the left side (filter side) that faces into the cam box.
 - It's center inside diameter is slightly larger than the 1.25" OD (-82) umbrella valve.
 - The two 'C' shaped slots that do the breathing have an OD of 1".
 - As a result, the 91-03 umbrella valve with its diameter of 1" may not perform correctly in L84-90 models since there is likely to be leakage.



Umbrella (check) Valves
L - (26856-82), R - (26856-89) ²⁾



Breather Baffle Tube (26917-84) ³⁾

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¹⁾

Gary E of the XLFORUM

<https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-motor-engine/sportster-motorcycle-bottom-end/195092-rigid-evo-oil-check-ball-spring/page8?t=2071387&page=8>

²⁾ ³⁾

photo by Gary E of the XLFORUM

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