

## Healy Nozzle V/L Ratio Adjustment

The V/L ratio of the Healy Vapor Recovery nozzle is factory set to approximately the middle of the CARB certified range. For example, the 900 Series nozzle certified range is 0.95 – 1.15 and the V/L ratio is set to approximately 1.05 at the factory. Franklin Fueling Systems sets the V/L ratio in the middle of the certified range so that minimal adjustment should be necessary in the field at startup.

If adjustment is needed, one full turn in either direction equals approximately 0.10 of V/L ratio adjustment. A clockwise turn will increase the V/L ratio while a counter-clockwise turn will decrease the V/L ratio. For example, if the current V/L ratio is 0.90 and one full clockwise turn is made, the adjustment would result in a V/L ratio of approximately 1.00. If the current V/L ratio is 1.10 and one full counter-clockwise turn is made, the adjustment would result in a V/L ratio of approximately 1.00.

FFS recommends using a small flat ended .050 hex tool for V/L ratio adjustment such as the Pronto P/N 88601 .050" HFX available at Grainger. Avoid using a round top or tee handled hex tool as they could strip the adjustment screw.

When adjusting the V/L ratio peel the scuffguard back, as shown in the picture below, to expose the adjustment hole. Do not cut the scuffguard to gain access to the V/L ratio adjustment hole. Make sure to completely and perpendicularly inset the flat ended .050 hex tool straight into the adjustment hole before making an adjustment.



If the result of the first test is out of the certified range, conduct the V/L ratio test two more times prior to making any V/L adjustments. Do not make adjustments until all three tests are completed.

For complete details on conducting V/L ratio testing please refer to the appropriate Executive Order on the California ARB website ([www.arb.ca.gov/vapor/vapor.htm](http://www.arb.ca.gov/vapor/vapor.htm)) for current Healy Vapor Recovery systems information. Contact FFS Technical Support at 800-984-6266 for further information.

Sincerely,

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