

AUSTIN HEALEY OIL LEAKS

British Car Specialists

2080 N. WILSON WAY STOCKTON, CA 95205-2128
(209) 948-8787 • FAX (209) 948-1030

By Norman Nock

Does your Austin Healey leak oil from the rear crankshaft into the clutch housing?

To use this modification, your engine has to be in good mechanical condition and the rocker arms must not be worn. Remove rock cover and inspect for excessive oil flow to rocker arms. Run engine at 3,000 RPM for the inspection. If oil flow is high or you have a gusher, or your fingers are now splattered with oil, do not do this modification to your engine.

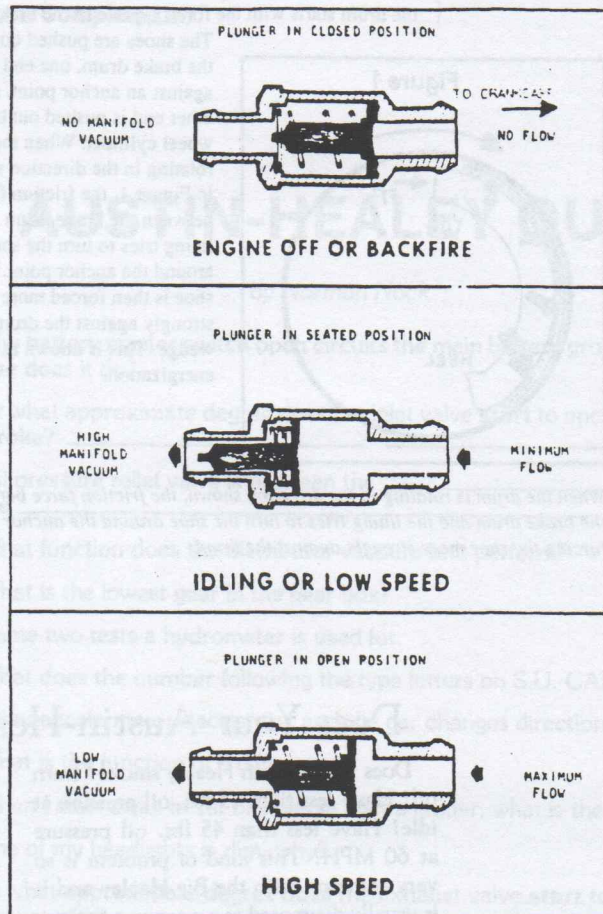
6 Cylinder Engine Only

1. Remove the hose from the air filter to valve cover.
2. Remove tapered plug from rear of inlet manifold.
3. Insert an appropriate fitting into the manifold.
4. Remove oil filter cap and close up the small breather hold with solder.

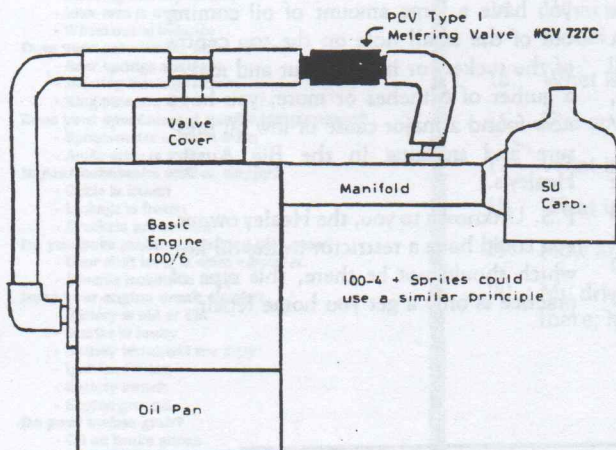
The type I metering valve is obtainable from most auto parts stores.

The device conducts crank case blow-by gases to the intake manifold through a variable orifice valve, the opening of which is controlled by intake manifold vacuum. The valve is designed to have a scheduled flow rate to handle blow gases. When the engine is idling and manifold vacuum is high, the valve is closed. A small orifice handles the flow.

Crankcase Emission Control



Cross Section of a Type I Metering Valve



At manifold vacuum of 12 to 15 inches of mercury, the valve begins to open, allowing the increased blow-by of the engine to flow through as the manifold vacuum decreases.

With the removal of a positive crankcase pressure to a negative pressure, the oil will not be forced out of the rear crankshaft seal.

Would you please advise me of your results?