

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN	
	October 1993 TB 1035
Mfg:	CHRYSLER
Model:	CARAVAN
Liter:	3.0L
V I N:	3
Year:	96-00

Oil Consumption On
Chrysler 3.0L Engines

The AERA Technical Committee advises members of possible reasons for oil consumption on Chrysler 3.0L engines. When diagnosing oil consumption over 1 quart of oil per 1,000 miles, consider the three most common reasons:

- 1) Positive Crankcase Ventilation System (PCV). An improperly operating PCV system may allow excessive amounts of oil to enter the intake manifold. Both the fresh air supply and PCV hoses must be intact and sealed. The PCV valve must be the correct one for the application and meter the correct amount of air.
- 2) Valve Guide Clearances. It has been reported that installation of new guides may not completely restore valve guide clearances to specifications. Valve guide clearances of .0010-.0020" for intake and .0020-.0035" for exhaust valves must be strictly maintained.
- 3) Valve Stem Oil Seals. Chrysler has recently supplied an improved valve stem oil seal, Part #MD197467. Installation of a positive valve stem seal is very important since this cylinder head design allows for large amounts of oil in the cam and valve spring area.

A consideration should also be given to piston ring seal. In most instances reported by AERA members, this has not been the cause of excessive oil consumption. A cylinder leakdown test should be performed to rule out ineffective piston rings as the cause for excessive oil consumption.

For additional information see AERA Technical Bulletin: TB 624

The AERA Technical Committee

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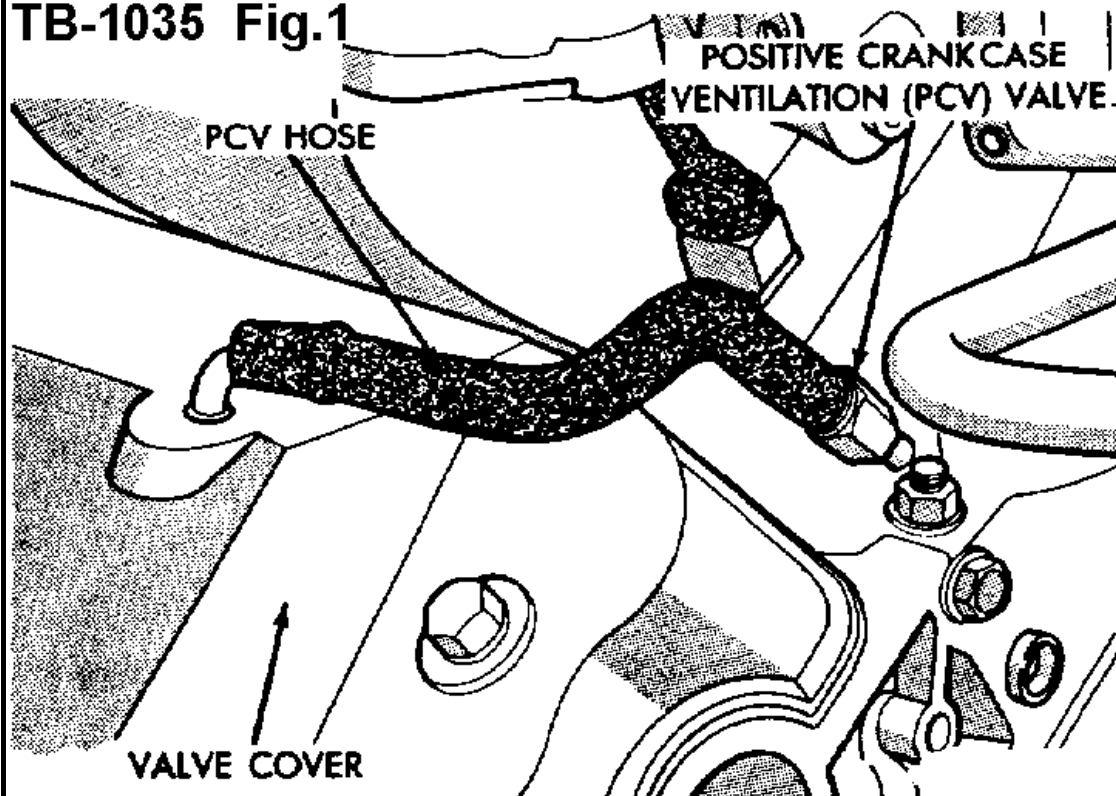
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Bulletin Diagram: Untitled Graphic #1949 for TB 01035

TB-1035 Fig.1



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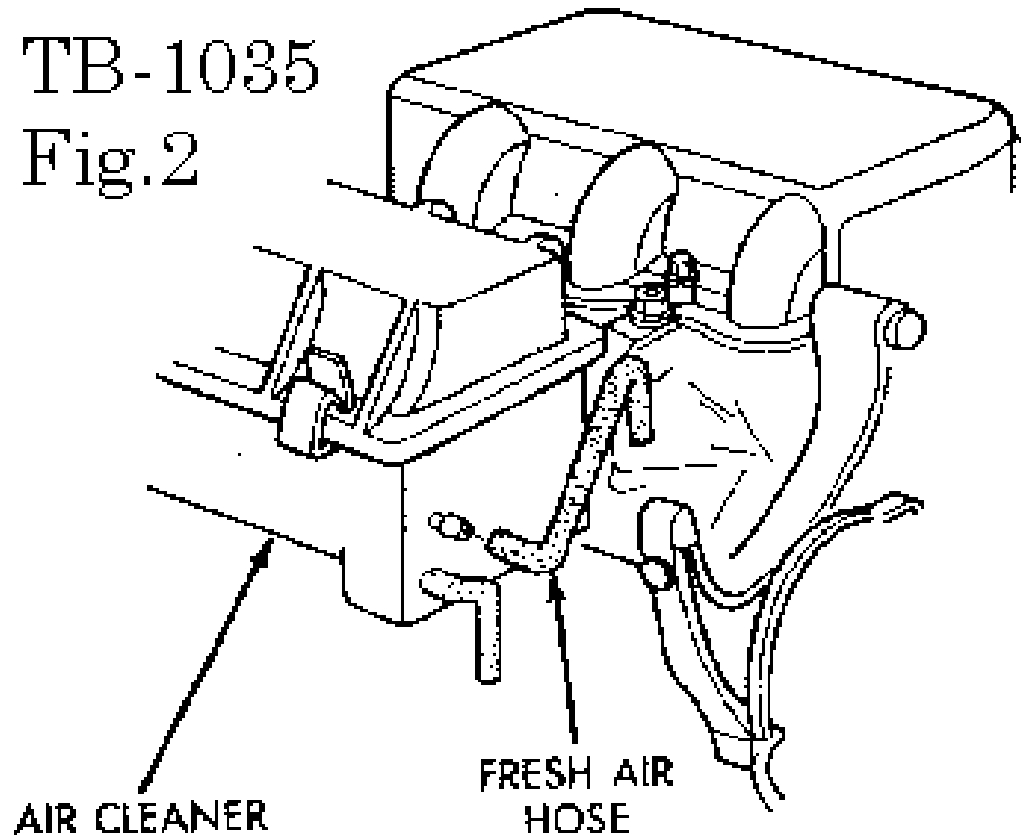
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Bulletin Diagram: Untitled Graphic #1950 for TB 01035

TB-1035
Fig.2



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