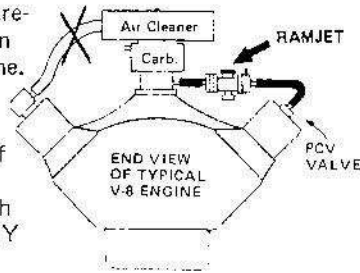


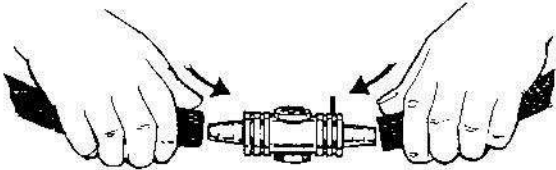
# INSTALLATION INSTRUCTIONS

The RAMJET can be easily installed in just minutes in the PCV hose in cars, most trucks, RV's and inboard engines. Here's how:

1. Shut off engine after warm-up. Remove air cleaner if necessary.
2. Locate main PCV hose (usually rubber about finger diameter) that leads from the base of carburetor to PCV VALVE located as illustrated (or on side or top of block). Do NOT install in fuel line.
3. Cut hose with knife. Allow room so RAMJET will not touch moving or hot parts.
4. Insert RAMJET nipples snugly into cut ends of PCV hose. If hose is hard or old, replace it or use clamps. Install in any angle—preferably with filter up. **INSTALL WITH ARROWS ON BODY POINTING TOWARD CARB.**

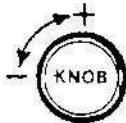


NOTE: If space is limited, add long length of hose to form a loop. Some older Ford products lines are part metal and require either bending or cutting off a few inches.



5. **ADJUSTMENT:** The RAMJET is now ready for easy adjustment. Start by removing the "Snap-On" Filter (as illustrated) so you can observe valve action while adjusting the tuning knob either of the following two ways:

- ➔ **A. ON ENGINES WITH CONVENTIONAL CARBURETION...** Begin by turning the TUNING KNOB all the way in and then (counter-clockwise) one turn out. Then, with warmed engine running, very quickly "snap" OPEN throttle fully and instantly release. With every such rapid acceleration, you should be able to see or hear the ball move (open) slightly to admit air.\*\* If the valve doesn't close immediately as engine speed drops to idle, screw valve out ¼ turn at a time, and repeat acceleration sequence. OR... if valve doesn't open briefly, screw knob IN further or use optional spacer described below. Always repeat the engine acceleration test with each change in adjustment being sure valve always closes on idle. REMEMBER, when adjusted for maximum fuel economy, the air valve will then open automatically whenever the engine is under high road load.



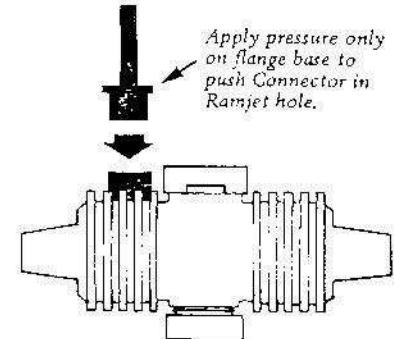
- ➔ **B. ON ELECTRONIC CONTROLLED CARBURETION...** Same as above but, begin reference adjustment by turning TUNING KNOB counter-clockwise 3 turns out from a fully seated position (spring tension may also be reduced by cutting off one or more coils). Use of the optional spacer is not necessary. On these new "computerized" engines extra air is usually not needed until the engine is heavily loaded at low manifold vacuums. The RAM-JET will function primarily as an energy booster to improve engine performance—and increase PCV efficiency and cleanliness which is especially important as the engine accumulates miles. See explanation.

## IMPORTANT INFORMATION

**TUNING TIP:** When optimizing adjustment, you can easily simulate engine operating loads by placing an automatic transmission vehicle in DRIVE with parking brake ON and throttling briefly from under the hood. A standard transmission, however, can tolerate only a brief load test if the clutch is carefully "slipped" while throttling. For added safety, use wheel chocks and don't allow anyone to stand in front of vehicle.

**\*\*NOTE:** Valve motion is very slight and may not be audible. To help hear valve action, you may want to place a length of hose to your ear with other end near RAMJET. Never place finger over air intake as this results in incorrect valve operation.

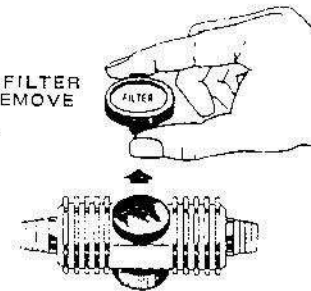
**COLD WEATHER TIP:** Turn out knob ½ to 1 turn (counter-clockwise) from normal setting.



### BONUS CONNECTOR

A SPECIAL CONNECTOR is included to permit a quick means of connecting additional performance accessories. To use, simply remove plug on top inlet side of RAMJET with pliers. Twist as you pull, taking care NOT to crush plug as you may want to re-use it. This exposes a narrow slit (diffuser) located over the atomizing chamber. Then, insert CONNECTOR supplied into opening. Do NOT press on small end of connector, but apply pressure only on its flange. Now you are ready to connect hose leading to ... VACUUM GAUGE or AIR CONDITIONING CUT-OUT or WATER/ALCOHOL VAPOR INJECTOR. See supplementary sheet.

LIFT FILTER TO REMOVE



TO CLEAN FILTER, simply lift retaining ring upward by BOTH ears with fingers (do not pry). Rinse filter element in solvent, squeeze dry and replace. Press retainer firmly to snap on. Also, clean PCV valve regularly.