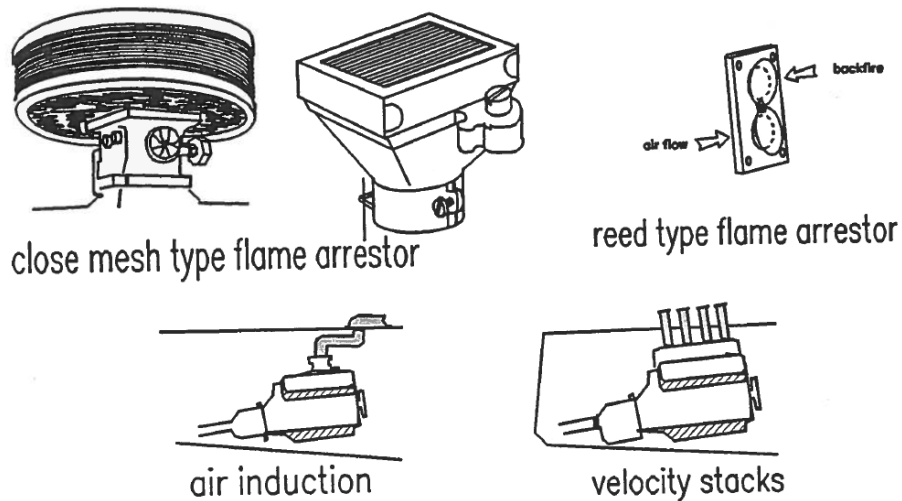


## SUPPLEMENT TO NEW VSC MANUAL, COMDTINST M16796.8A

Diagram to help clarify “BACKFIRE FLAME CONTROL ADJUSTERS (46 CFR 25/58)”

### 7. ITEM #7 a-f : Backfire Flame Control (46 CFR 25/58) Pages 3-19 & 3-20

Gasoline engines installed in a motorboat or motor vessel after April 25, 1940, except outboard motors, must be equipped with an acceptable means of backfire flame control. The backfire flame arrestor (BFA) must be suitably secured to the intake with a flame-tight connection, and is required to be either U.S. Coast Guard-approved or comply with SAE J-1928 or UL 1111 standards and marked accordingly.



Other acceptable means of backfire flame control include: air and fuel induction systems usually found in personal watercraft, velocity stacks (attachments to carburetors), and reed-type (found in outboards). Passengers are therefore strictly prohibited from sitting or standing behind these engines due to risk of burn or serious injury that may result from dispersed heat and flames moving aft as the boat moves forward.

