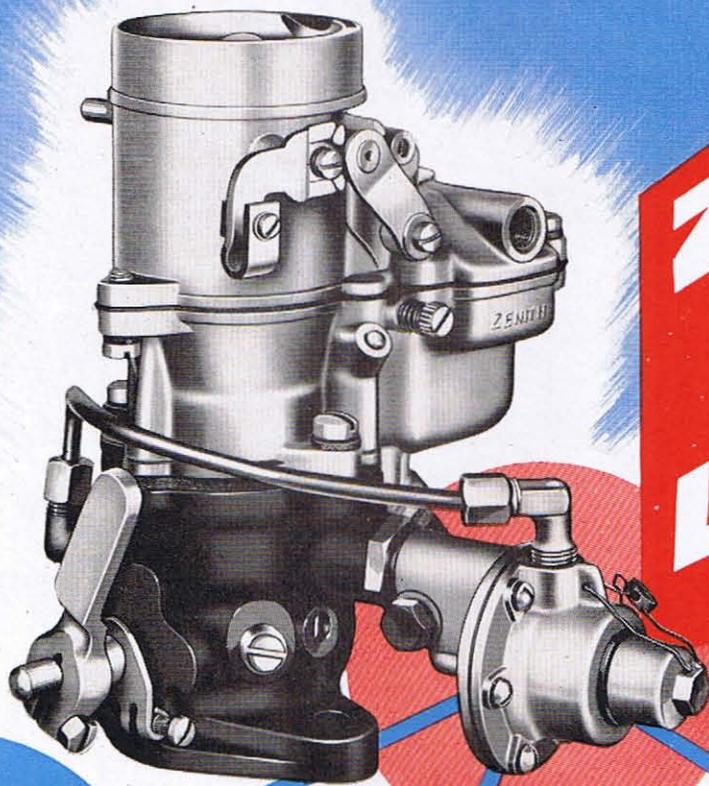
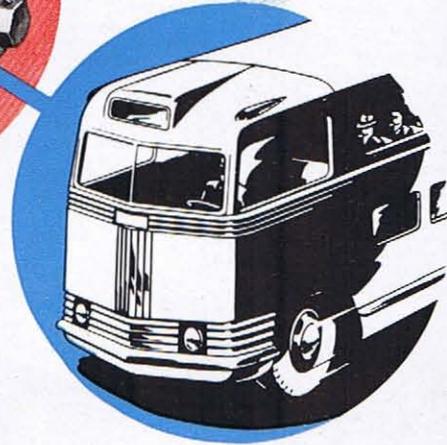
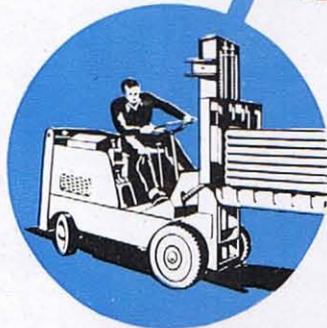


**FOR FUME-FREE  
STOP *and* START OPERATION**



**ZENITH**  
CARBURETOR  
*with built in*  
**LEIBING**  
DEGASSER



## For trucks, buses, industrial trucks and tractors

You can eliminate excessive exhaust fumes and gases—on the vehicles you make, on the fleets you operate—simply by installing Zenith Carburetors with built-in Leibing Degassers!

The vacuum-controlled Leibing Degasser gives you perfect fume-free stop and start operation because it strikes effectively at the very source of trouble. It automatically shuts off the flow of fuel whenever an abnormally high

vacuum exists during closed throttle operation! No fuel, no fumes! And no wasted power, no customer-passenger-pedestrian complaints, either!

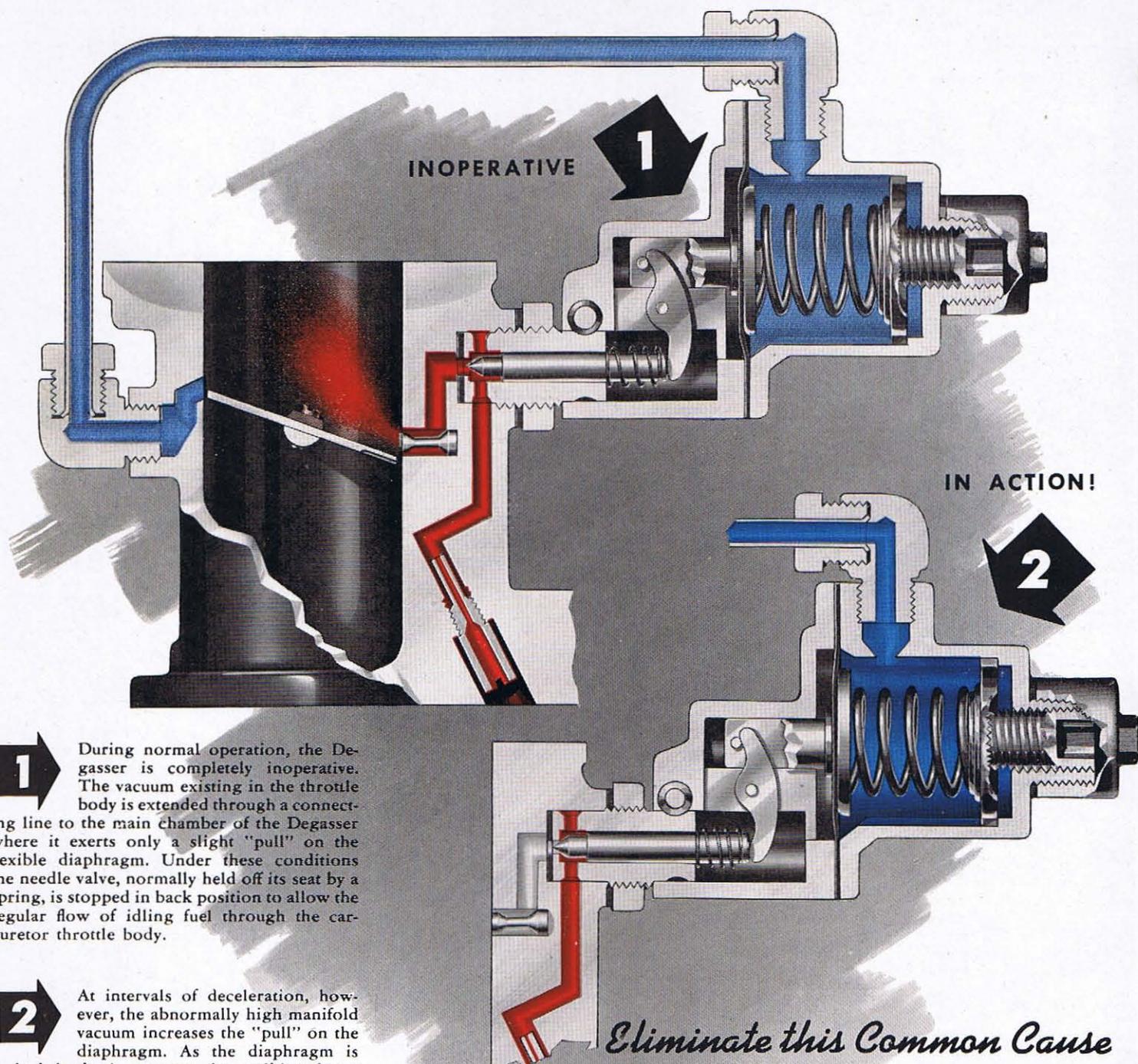
Engineered as an optional, integral part of many models of Zenith Carburetors, the Leibing Degasser has been thoroughly tested and approved by leading manufacturers and large fleet operators. The many thousands now in use have established service records for trouble-free, fool-proof performance over long periods of continuous use under a wide range of actual operating conditions.

**ZENITH**

CARBURETOR DIVISION OF

**Bendix** AVIATION

# HERE'S HOW IT WORKS!



**1** During normal operation, the Degasser is completely inoperative. The vacuum existing in the throttle body is extended through a connecting line to the main chamber of the Degasser where it exerts only a slight "pull" on the flexible diaphragm. Under these conditions the needle valve, normally held off its seat by a spring, is stopped in back position to allow the regular flow of idling fuel through the carburetor throttle body.

**2** At intervals of deceleration, however, the abnormally high manifold vacuum increases the "pull" on the diaphragm. As the diaphragm is sucked back, it actuates the walking beam which drives the needle valve forward until it seats itself and automatically shuts off the flow of idling fuel. No fuel, no fumes! No fumes, no waste!

**In addition to fume-free stop and start operation,** users frequently report (1) improved engine performance! (2) increased acceleration without the usual "loading" effects! (3) decreased crankcase dilution! (4) less "puddling and coking" in intake manifold! (5) less "popping" and backfiring on stops and starts! (6) savings in fuel consumption!

## *Eliminate this Common Cause* of **OBJECTIONABLE EXHAUST FUMES AND GASES**

During normal vehicle operation, the vacuum condition existing in the carburetor throttle body draws only enough fuel for perfect combustion. At intervals of deceleration, however, the engine is driven at higher than idling speed by the weight of the vehicle. This creates an abnormally high vacuum which, in turn, draws an excessive volume of fuel through the carburetor throttle body. Too rich for complete combustion, this excess raw fuel loads up the manifold, engine and exhaust and causes objectionable fumes and gases.

By automatically shutting off the flow of idling fuel as illustrated, the Zenith-Leibing Degasser completely eliminates this common cause of objectionable exhaust fumes and gases. See your Authorized Zenith Carburetor Distributor or write direct to Zenith.