



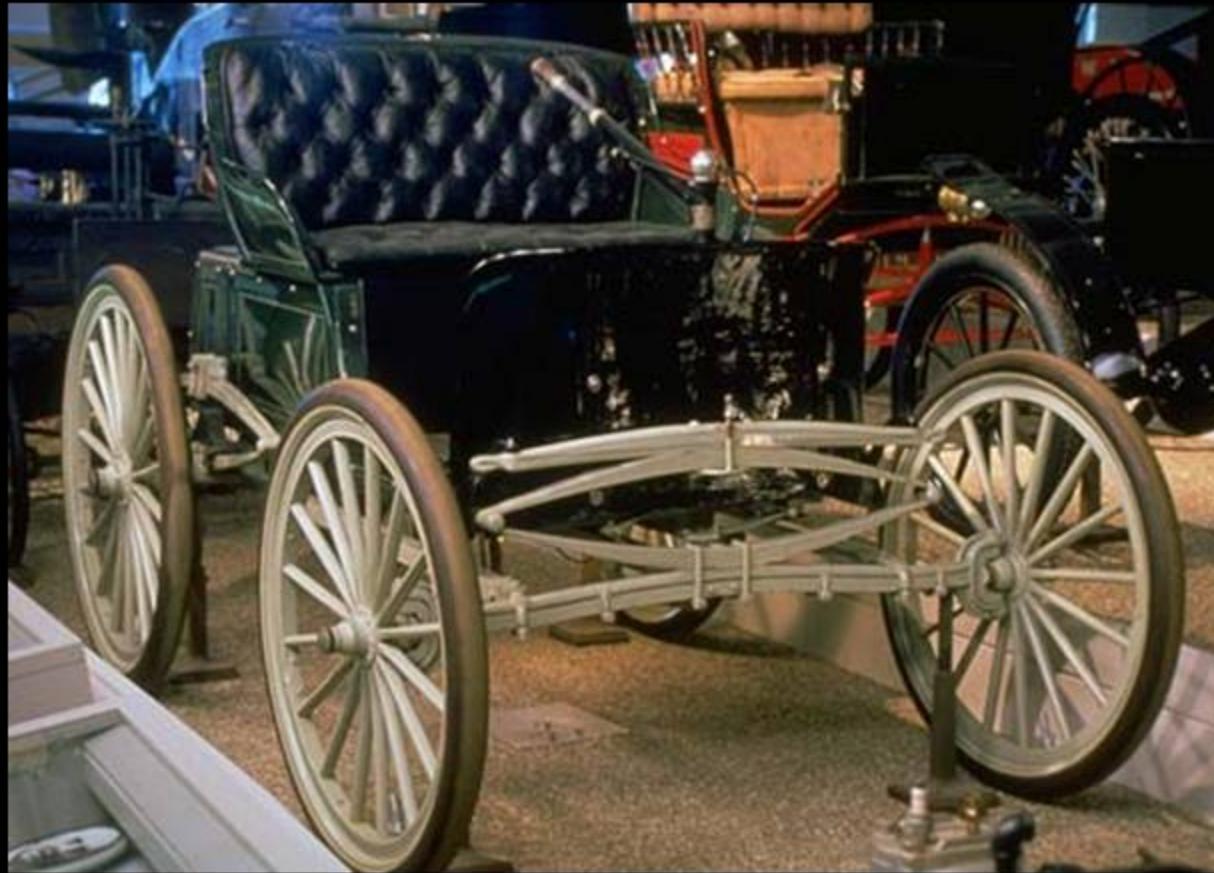
# Fuel Injection



***How Did We Get From Here to Here?***

# The History

1896 Duryea



The first production gasoline automobile in America

# The History

1920s Bosch developed and widely used on diesels



1930s Bosch developed for gasoline applications especially WW II aircraft



1950s Bendix developed electronic FI for use in Korean War aircraft



# The History

Mercedes worked with Bosch



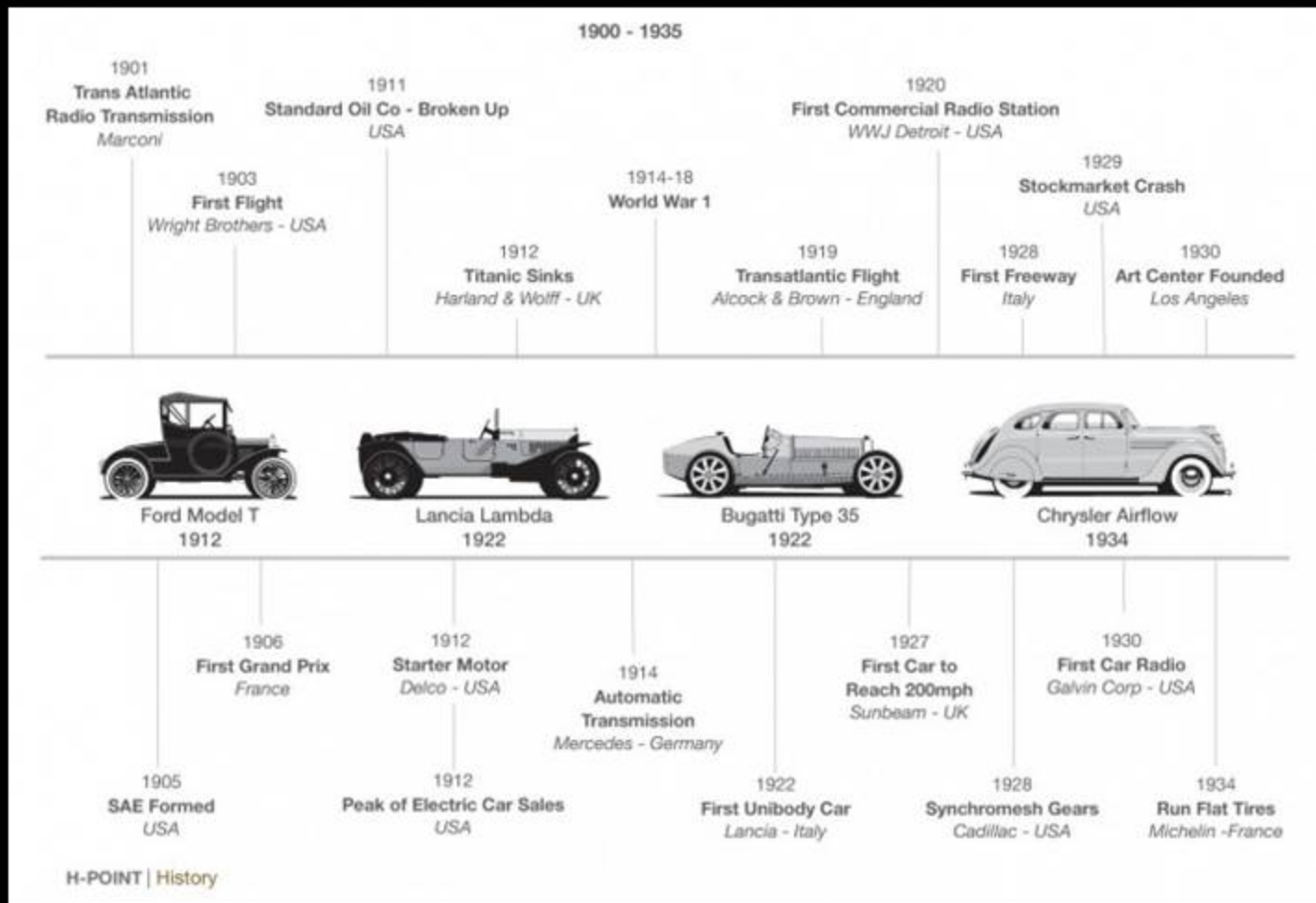
Rochester worked with GM



Bendix worked with Chrysler



# The Why



The carburetor soldiered on for at least 80 years but its limitations ...

# The Why . . . The carburetor's limitations

Poor atomization



Poor mixture control for varying engine conditions



High operating tailpipe emissions



# The Why . . . Fuel injection is the only answer

Fuel economy



Drivability

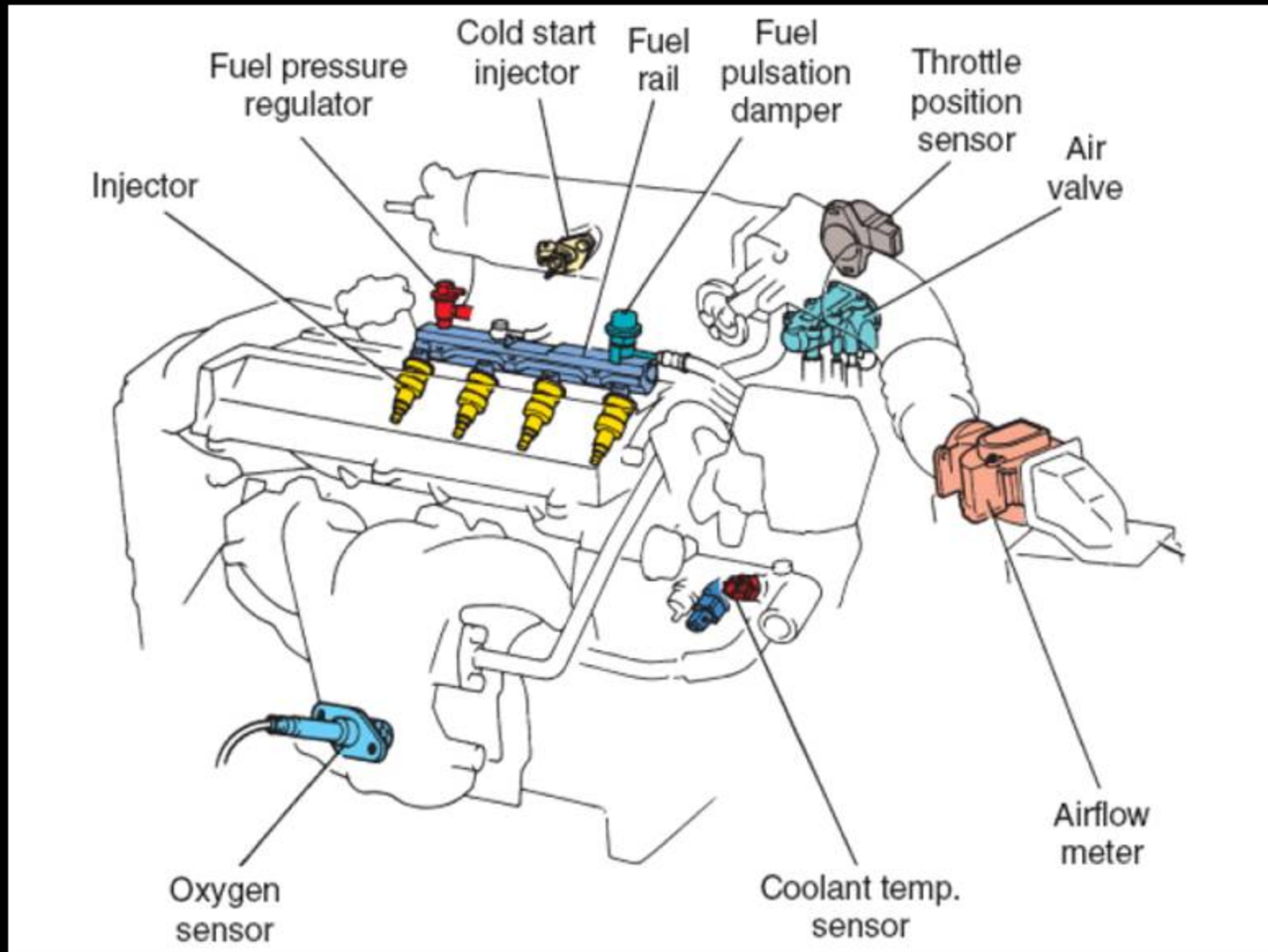


Air pollution

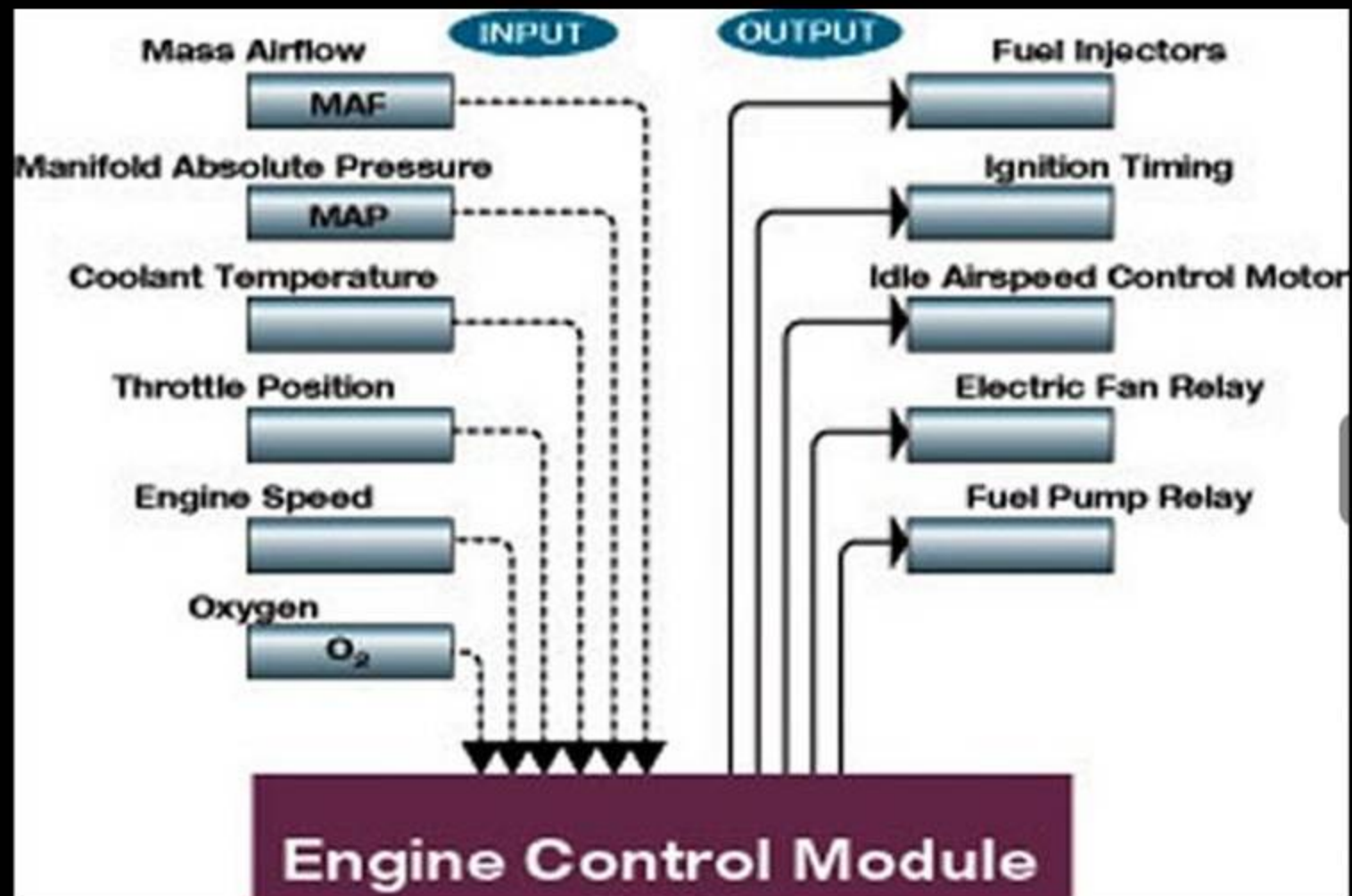




# The Technology . . . The components



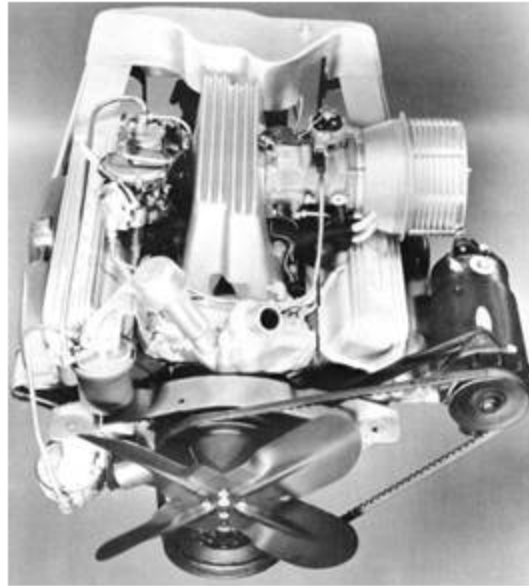
# The Technology . . . The ECM



# The Technology . . . The module



# The Manufacturers



1990 3.0 V6 GM  
Chevrolet Camaro Z28 Engine



1991  
200 3.0 V8 GM  
for Chevrolet Camaro



# The Aftermarket



**Holley** *TERMINATOR*  
EFI



HLY-550-405

## The Summary

You car's fuel system works with the rest of the engine control system to deliver the best economy and the best performance with the lowest emissions.



# Eric Thompson Fast Fuel Injection Systems



