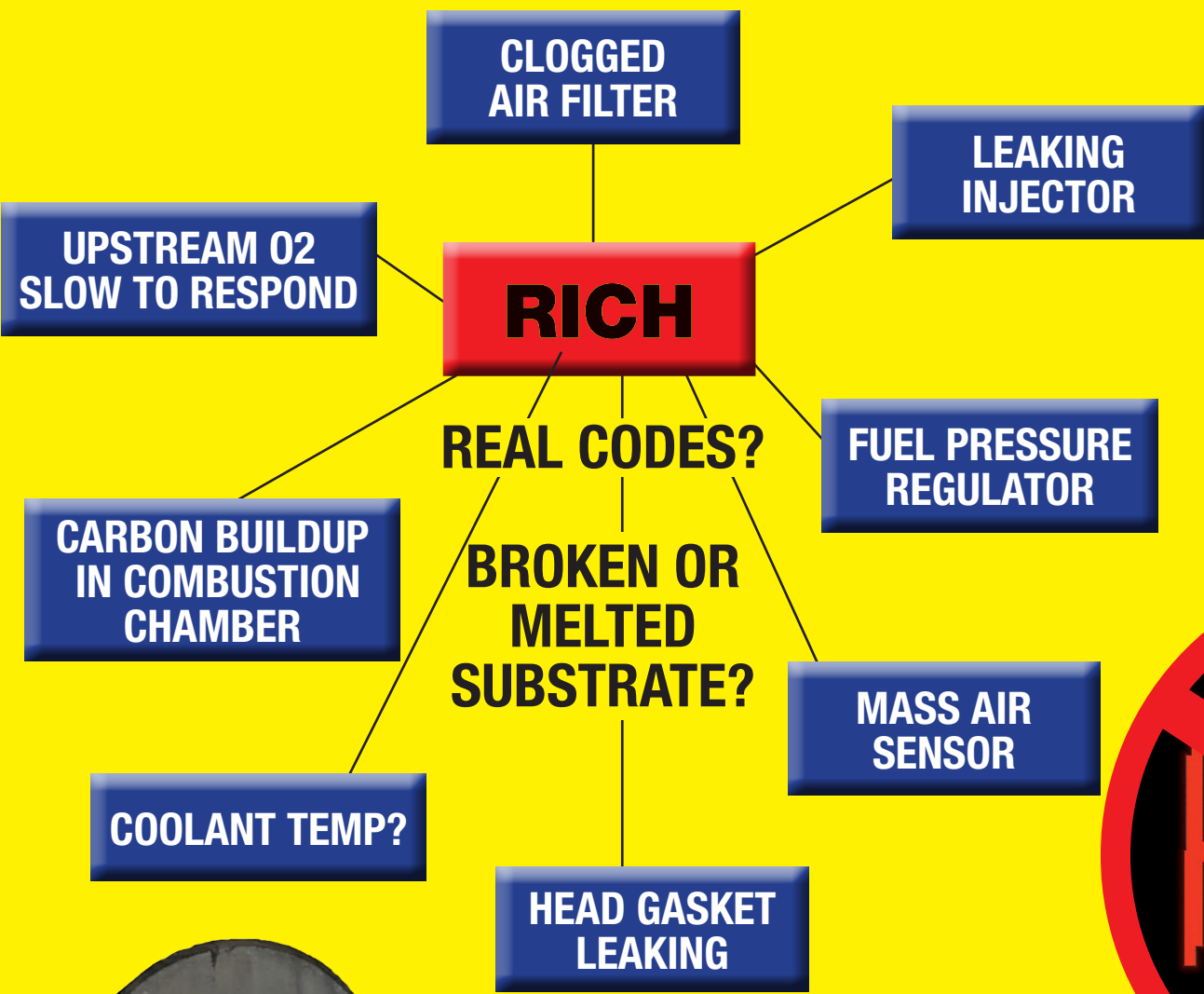


CATALYST BELOW EFFICIENCY? MAYBE – MAYBE NOT!

**P0420
P0430
PROBLEMS?**

CATALYST BELOW EFFICIENCY



Any one of the above items can cause the following . . .



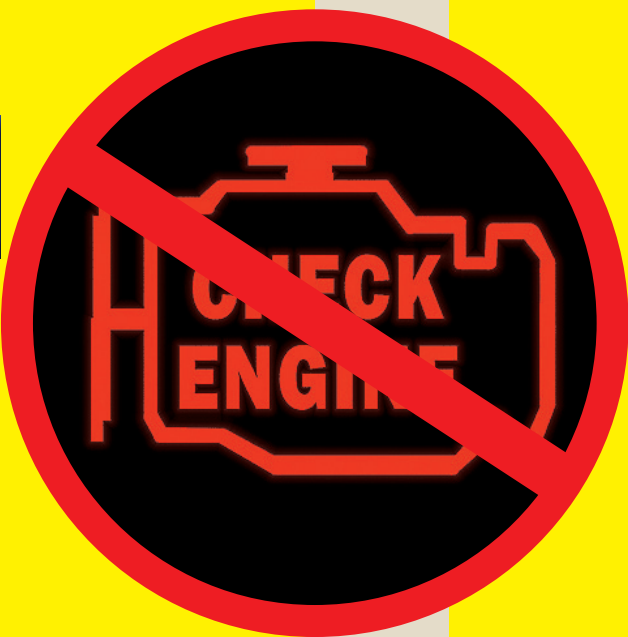
COATED SUBSTRATE



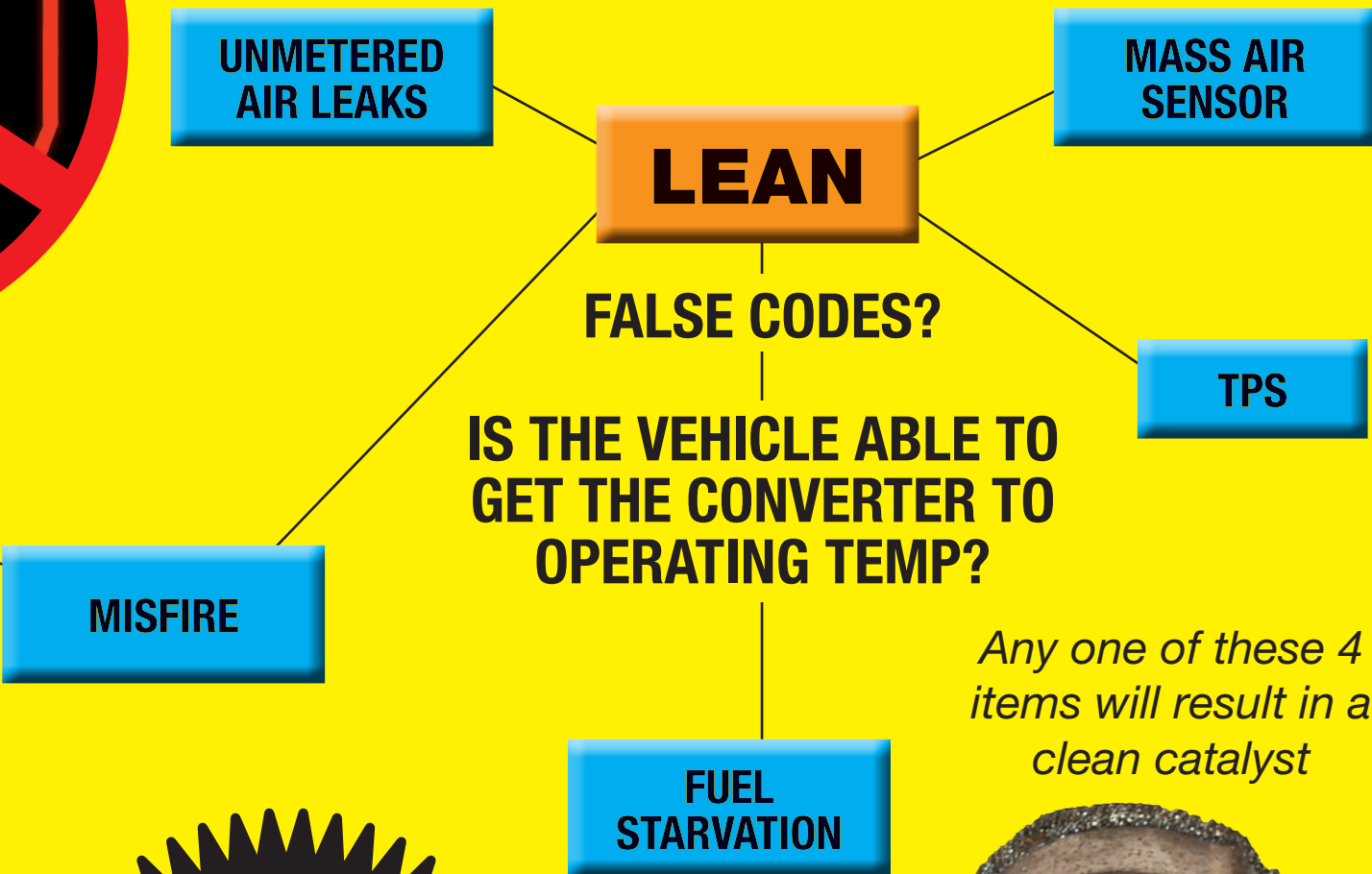
EXCESSIVE HEAT



BROKEN OR MELTED



CATALYST BELOW EFFICIENCY



Any one of these 4 items will result in a clean catalyst



CLEAN

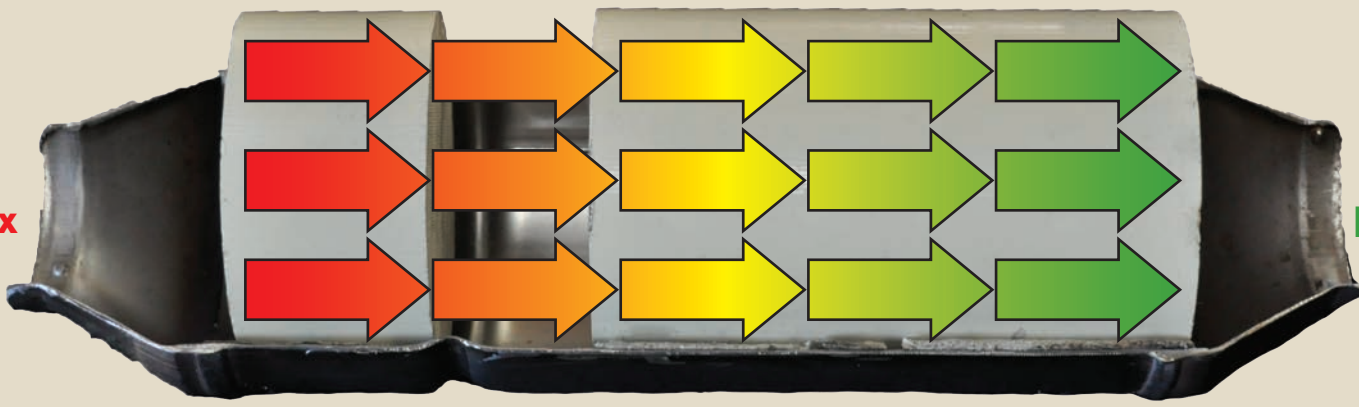
HINT: IF THE DOWN STREAM O2 IS MIMICKING THE UPSTREAM, TRY ARTIFICIALLY ENRICHING THE FUEL MIXTURE. IF THE DOWNSTREAM O2 STABILIZES, THE CONVERTER IS WORKING!!

HIGH OIL CONSUMPTION AND THE CONVERTER DOESN'T STAND A CHANCE!



OIL
FOULED

A bad converter is the result of a problem, not the cause.



HC, CO, O₂, NO_x

H₂O, CO₂, N₂

FIX IT RIGHT:

- Check in front of the catalytic converter
- Catalytic Converters should NEVER fail
- Converters don't get "USED UP"!

**Interpreting Live Data is the
ONLY WAY to be sure of the problem!**

By definition: Catalyst – Any substance of which a small proportion notably affects the reaction rate of a chemical reaction WITHOUT ITSELF BEING CHANGED OR CONSUMED.



**DIRECT FIT
CATALYTIC CONVERTERS**