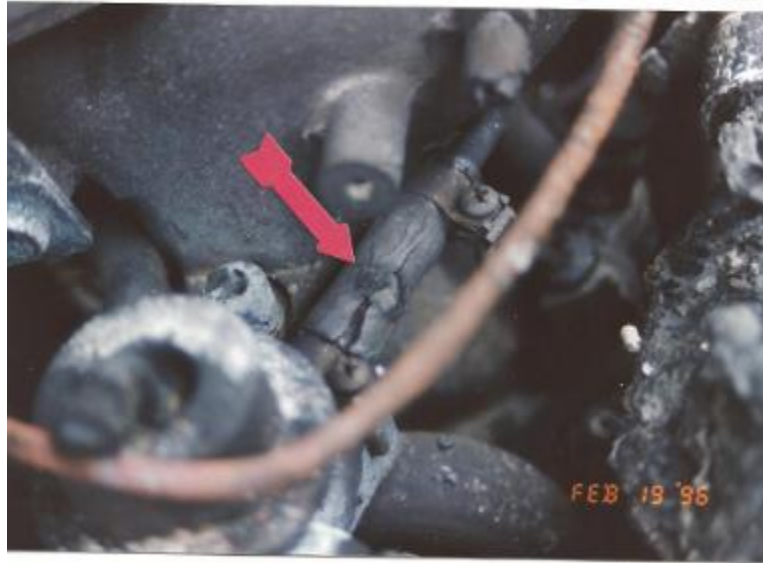


## “KEEPING PACE” - #67

### MORE ON FUEL LINES:



In my last newsletter, I discussed how neoprene rubber-type fuel line hoses are a significant cause of vehicle fires, and how some people tend to doubt this because there is almost never any rubber left to analyze.

A very rare case in which the rubber was not consumed is shown above. The black mark at the center of the rubber hose was left by fire burning back to the liquid gasoline being sprayed from that point.

### ONLY ONE AIRBAG CAN DEPLOY AT A TIME:



## “KEEPING PACE” - #67

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The foregoing photograph shows an accident scene where a policeman’s head struck the windshield, creating the usually fracture pattern in the glass, even though his airbag had deployed. The airbag deployed as his police car went through the guardrail shown. But when the police car hit a tree 40’ farther on, the airbag had already deflated.

Airbags are designed to deflate very quickly, in about 0.045 second, so that the driver can keep on driving if he needs to. Fortunately, this policeman was not injured, even though he was violating state law by not having his seat and shoulder belt attached at the time of the accident.

### FIRE SMOLDERS 12 HOURS:



At 11:30 a.m., the plumbers used a torch to sweat copper water pipes inside the kitchen cabinets shown. They and other workmen walked by at about 5:30 p.m., but because the cabinet doors were closed, no one noticed a fire smoldering inside. At 11:30 p.m., the fire broke out and damaged four apartments.

Sincerely,



Frederick F. Franklin, P.E.  
Forensic Engineer