NAPA Tech TIPS

SUPPORTING TODAY'S PROFESSIONAL TECHNICIAN

A Filter In-Line, Saves Time

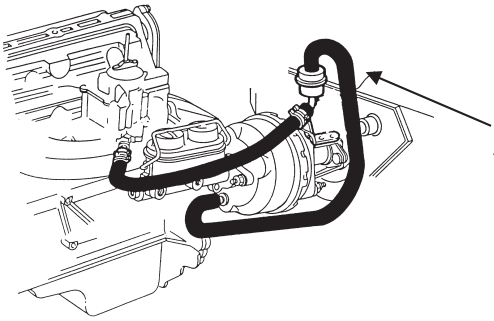
Application: All gasoline vehicles with vacuum power brake boosters.

Problem: Premature Booster failure; improper operation.

Cause: Gasoline, gas fumes, or moisture have entered the booster damaging internal rubber components.

Solution: Remove vacuum line from booster and check vacuum hose for gas odor. If present, the source of gas MUST be eliminated before replacing booster.

- Check the operation of in-line check valves, vacuum vent valves or delay valves. Replace as necessary.
- Check vacuum hose routing. Do not eliminate any loops in the line because they function as moisture and vapor traps.
- Replace the in-line charcoal filter and position exactly as the original. If not filter equipped, installation of an aftermarket filter is recommended.
- Check PCV system. Replace valve or repair system as necessary.
- Check for leaking injectors or carburetor. Improper operation could cause an excessive rich condition.



EXAMPLE OF IN-LINE FILTER AND HOSE LOOP