

**HX: Evaporative Emission (EVAP) System and Monitor**

**⚠ WARNING:** Before repairing or installing a new component in the fuel system, reduce the possibility of injury or fire by following the warning, caution, and handling directions in pinpoint test HC. Failure to follow these instructions may result in personal injury.

**⚠ WARNING:** When handling fuel, always observe fuel handling precautions and be prepared in the event of fuel spillage. Spilled fuel may be ignited by hot vehicle components or other ignition sources. Failure to follow these instructions may result in serious personal injury.

**NOTICE:** Do not apply smoke to the EVAP leak detection control module. Internal module damage may result.

**Note:** Use this pinpoint test only when directed here.

Using a soap solution around the fuel filler cap or capless fuel tank filler pipe (if equipped) or using the hydrocarbon emission analyzer to determine an evaporative emission system leak is not recommended.

When using the Evaporative Emission Leak Detector With On Board Nitrogen Generator 218-522C or equivalent, the fuel level in the fuel tank must be less than 85% full.

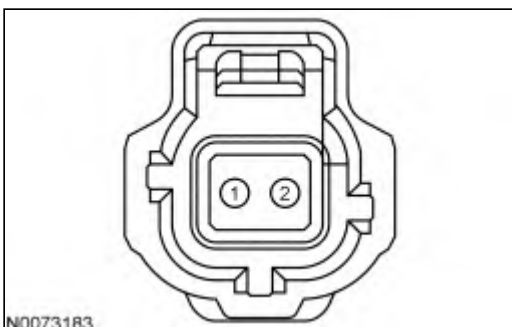
This pinpoint test is intended to diagnose the following:

- EVAP canister vent valve (9F945)
- fuel filler cap (9030)
- capless fuel tank filler pipe (9034)
- fuel tank pressure (FTP) sensor (9C052)
- EVAP purge valve (9C915)
- EVAP check valve
- EVAP ejector
- EVAP vapor blocking valve
- Evaporative Emission (EVAP) leak detection control module
- fuel tank isolation valve
- EVAP system leaks using the Evaporative Emission Leak Detector With On Board Nitrogen Generator 218-522C or equivalent
- harness circuits: B+, CANV, EVAPCP, EVAPLDP, EVAPLDPPR, EVAPLDPSV, FTIV, FTP, SIGRTN, VBV, VPWR and VREF
- PCM (12A650)

For additional information on the EVAP system, refer to Section 1, [Evaporative Emission \(EVAP\) Systems](#), or the Workshop Manual Section 303-13, Evaporative Emissions.

**Evaporative Emission (EVAP) Canister Vent Valve Connector**

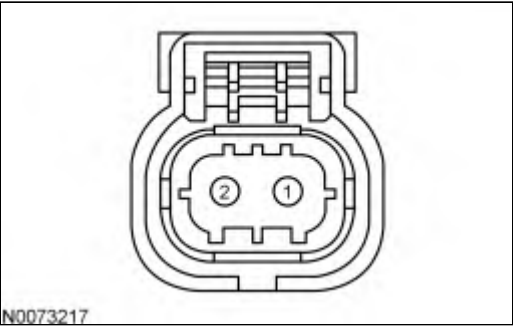
For applications using the engine off natural vacuum (EONV) EVAP leak check monitor, KAPWR provides voltage to the EVAP canister vent valve instead of VPWR.



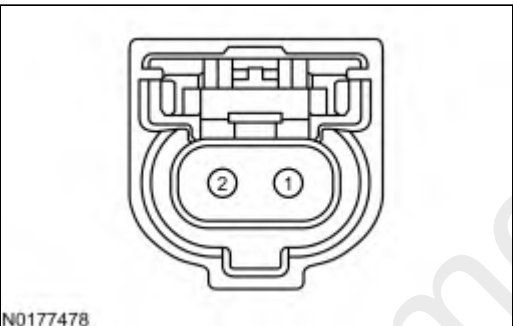
| Pin | Circuit                         |
|-----|---------------------------------|
| 2   | CANV (Canister Vent)            |
| 1   | KAPWR (Keep Alive Memory Power) |

Evaporative Emission (EVAP) Purge Valve Connector

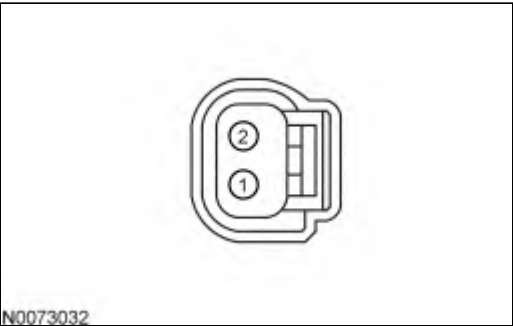
A



B



C



D