Ford Motor Company

FORD LABORATORY TEST METHOD BJ 012-02

VACUUM DIAPHRAGM COMPATIBILITY TEST

Application

This procedure is used to evaluate the effect of the fluid under test on automatic transmission diaphragm assemblies.

Parts Required

7 C4AP 7A377-A - Diaphragm Assembly

Conditioning and Test Conditions

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 °C and 50 +/- 5 % relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

Procedure

Using the test equipment detailed in Figure 1, test seven diaphragm assemblies from each of the current approved production suppliers.

Test Duration:	2,300,000 cycles required
Test Temperature:	200 +/- 5 °F
Test Frequency:	115 cycles/minute +/- 10 cycles
Test Cycle:	10 inches Hg to 20 inches Hg to 10 inches Hg
Fluid Level:	Must cover vacuum diaphragm opening throughout test

At the completion of the test, examine and report whether diaphragm failure has occurred.

Chemicals, materials, parts, and equipment referenced in this document must be used and handled properly. Each party is responsible for determining proper use and handling in its facilities.

Date	Action	Revisions
2001 07 24	Revised	Editorial – no technical change A. Cockman
1992 05 12		

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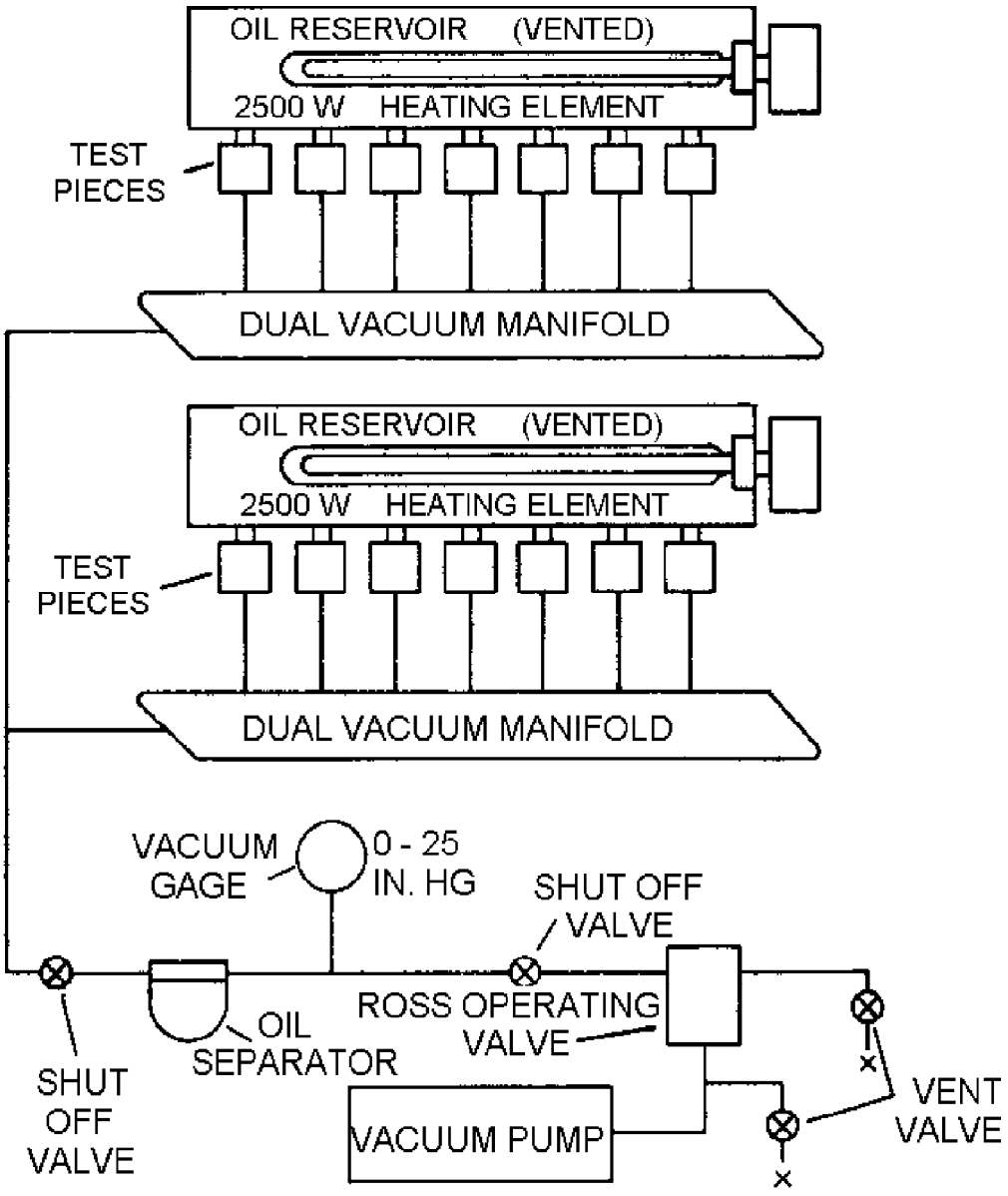

Figure 1

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