

A UH# _____ PSI _____ CA# _____	_____ FT DROP PER FOOT	B UH# _____ PSI _____	_____ FT DROP PER FOOT	C UH# _____ PSI _____	_____ FT DROP PER FOOT	D UH# _____ PSI _____	_____ FT DROP PER FOOT	E UH# _____ PSI _____
F UH# _____ PSI _____	_____ FT DROP PER FOOT	G UH# _____ PSI _____	_____ FT DROP PER FOOT	H UH# _____ PSI _____	_____ FT DROP PER FOOT	I UH# _____ PSI _____	_____ FT DROP PER FOOT	J UH# _____ PSI _____
K UH# _____ PSI _____	_____ FT DROP PER FOOT	L UH# _____ PSI _____	_____ FT DROP PER FOOT	M UH# _____ PSI _____	_____ FT DROP PER FOOT	N UH# _____ PSI _____	_____ FT DROP PER FOOT	O UH# _____ PSI _____

Vertical labels on the right side of the grid:

- Between E and J: _____ FT, DROP PER FOOT
- Between J and O: _____ FT, DROP PER FOOT
- Between K and L: _____ FT, DROP PER FOOT

Worksheet F

Leak Locating on Trunk and Toll

Procedure:

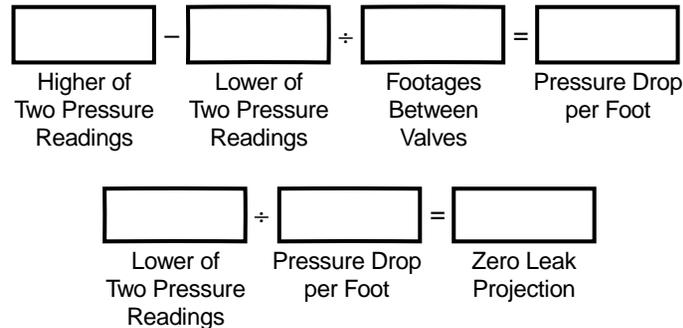
- Step 1** Take pressure reading (PSI) two to three pressure testing valves away from suspected leak location. Record reading in Box A on worksheet.
- Step 2** Take a second pressure reading in direction of leak and record on worksheet. Use worksheet boxes in alphabetical order to record subsequent readings. Measure distance between pressure readings.
- Step 3** Calculate pressure drop per foot using the calculation boxes below. Record every digit in the calculation's display window. Pressure drop per foot will be the same for each section until leak is passed.
- Step 4** With second pressure reading and pressure drop per foot, calculate a Zero Leak Projection (ZLP) to limit area of search. Use the ZLP calculation boxes below and record ZLP area on worksheet.
- Step 5** Take pressure readings midway between 2nd pressure reading and ZLP boundary. Calculate pressure drop per foot and compare with other calculations. Continue calculating pressure drop per foot on worksheet.
- Step 6** Record all distance measurements, pressure readings, calculations and pressure drops per foot on worksheet.

Review Checklist

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Equipment and Procedures Required:

- C Pressure Gauge
- Portable Flow Rater (0-20 SCFH)
- Flow Direction Indicator
- Ultrasonic Leak Locator or Soap Bucket
- Calculator
- Pneumatic Resistance Charts
- Zero Leak Projection
- Air Flow Calculation
- Back Projection



Task Number: _____

- Found
- Not Found

Date: _____

Hours Worked: _____

Office: _____

Cable Number: _____

Name: _____

Cause of Problem:

- Leaking Closure
- Missing Plug
- Leaking Plug
- Leaking Valve
- Section Leak
- Leaking Hardware
- Other _____