



# Exhaust Corrosion Fatigue Tester



## Key Benefits

- Ability to operate under different test conditions and variables
- Ability to test between 6 and 12 flex hoses simultaneously

## Product Overview

The Exhaust Corrosion Fatigue Tester is capable of running an accelerated corrosion test on an exhaust flex hose or exhaust de-coupler according to various customer-specific tests. Relative corrosion performance between various designs is the main objective of this test. Test components are evaluated for various corrosion mechanisms including inter granular attack along the grain boundary of the material, trans granular stress corrosion cracking, pitting, general surface corrosion, and crevice corrosion.

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## Standards

- GM9540P Appendices A4.9 and C
- Accelerated corrosion test
- GM4465P - Fog humidity cabinet
- GM 9505P - Automotive Environmental Cycles
- GM9508P
- GM9102P
- ASTM B 117 - Standard Practice for Operating Salt Spray (Fog) Apparatus
- ASTM G85 Annex 5
- SAE J2334 - Cosmetic Corrosion Lab Test

## Test Conditions

1. Hot Soak - Component subject to uniform temperature.
2. Hot Soak with Dynamic Displacement - component subject to a pure lateral displacement at a uniform temperature.
3. Salt Spray - based on ASTM B117
4. Dust Application - Application of dust based on GM 9540P Appendix C.
5. Wet Soak - 98% relative humidity at elevated temperature based on ASTM B117
6. Dry Soak - 10% relative humidity at elevated temperature



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