



*We have one goal — improving the noise and vibration quality of our customers' products. Roush delivers innovative, effective noise and vibration control solutions. By combining advanced analysis capabilities, comprehensive engineering services, and state-of-the-art facilities, Roush has become a proven partner in identifying and resolving challenging noise and vibration issues. Backed by the diverse capabilities of the Roush family of companies, we are uniquely equipped to provide turnkey noise and vibration solutions.*

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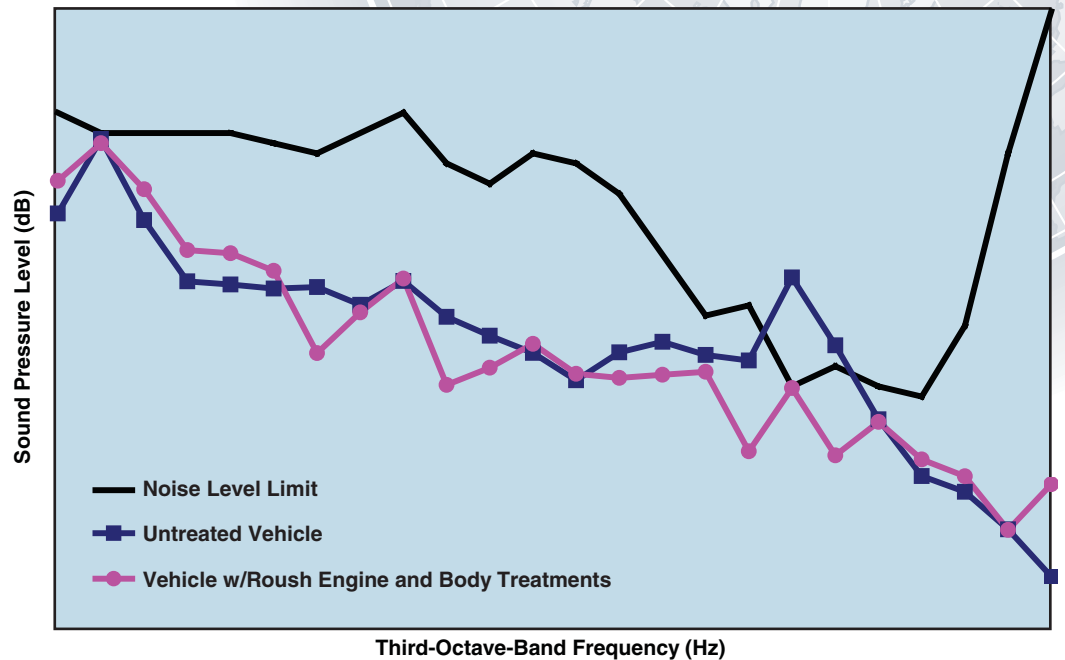
## Aural Nondetectability Testing

Roush provides testing per MIL-STD-1474D, Requirement 2, Aural Nondetectability. The purpose of the standard is to provide criteria for designing materiel having noise levels that minimize aural detection by an enemy.

Roush provides expert personnel and excellent facilities including a large (23' x 40') hemi-anechoic test chamber with a typical background noise level of 18 dBA and a cutoff frequency of 80 Hz.

Roush is a full-service noise engineering company, so we can provide development support, unique noise treatments, and manufacturing capability to improve materiel nondetectability.

**Aural Nondetectability Levels at Specified Distance**



With a combination of unique engine and body vibration damping and sound absorption treatments, Roush improved the noise levels of this vehicle to meet a stringent aural nondetectability requirement.

