

HEWLETT-PACKARD CORPORATION  
4747 N. Channel Ave.  
Portland, Oregon 97217  
503/283-8020

NY-02-50-2

ROGER W. SACKETT  
Senior Vice President-Engineering

May 28, 1981

N-96-01  
II-A-1084

Mr. Kenneth E. Feith  
Standards and Regulations  
Division  
United States Environmental  
Protection Agency  
Office of Air, Noise, &  
Radiation  
Washington, D.C. 20460

Dear Mr. Feith:

This is in response to your letter of May 5, 1981, addressed to Mr. William E. Critzer. Your letter requested answers to several questions pertaining to the efforts and costs that would be associated with quieting our vehicles to a 80dB noise level. Answers are provided below in an order corresponding to the questions in your letter:

1. Because of the custom built nature of our vehicles, we cannot provide you with precise cost data for each configuration. We project that it will cost between \$400 and \$800 to quiet each vehicle to the 80dB level.
2. The additional hardware and further modifications to the current production vehicles are as follows:

Exhaust

- Improved mufflers
- Some 60" long mufflers
- Increased use of top stack silencers

-S4KD ANK-490

Transmission

- All transmissions redesigned for quieter operation.

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Engine

- Oil pan covers
- Black side panels
- Blower covers on DDAD engines

Vehicle

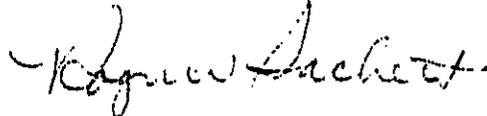
- Longer side noise baffles

3. The accoustical noise levels of the various component elements at 83 dBA and 80 dBA are shown in the following list:

	<u>83-dBA</u>	<u>80 dBA</u>
Chassis	68	68
Intake	67	67
Exhaust	74	70
Transmission	74	71
Fan	0	0
Engine	<u>78</u>	<u>75</u>
Overall	81.0	78.1

The overall levels represent design bogies with the lower values being necessary to accommodate manufacturing tolerances.

Very truly yours,



Roger Sackett

RWS/dsb