

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY NATIONAL VEHICLE AND FUEL EMISSIONS LABORATORY 2565 PLYMOUTH ROAD ANN ARBOR, MICHIGAN 48105-2498

> OFFICE OF AIR AND RADIATION

MEMORANDUM

SUBJECT:	Correction to Tables in the Draft Technical Support Document for the Non-Conformance Penalty Rulemaking
FROM:	Charles Moulis Assessment and Standards Division
TO:	Docket A-2001-25
DATE:	January 18, 2002

The Environmental Protection Agency published and placed in the docket for this rulemaking (#A-2001-25-III-B-01) a Draft Technical Support Document (EPA420-D-02-001) as part of its Notice of Proposed Rulemaking "Control of Air Pollution From New Motor Vehicles and New Motor Vehicle Engines; Proposed Non-Conformance Penalties for 2004 and later Model Year Emission Standards for Heavy-Duty Diesel Engines and Heavy-Duty Diesel Vehicles". The fixed costs in Tables 3-3 and 3-4 of that document are incorrect due to an administrative error. The corrected tables are attached. This correction only affects the Draft Technical Support Document. No changes are necessary to the proposed regulations as a result of this correction. The proposed values for COC_{50} and COC_{90} were based on the numbers in these corrected tables.

 Table 3-3

 Engine Manufacturer Cost Submissions for Medium-Heavy Service Class

Cost Category	Manufacturer Data - per Engine Costs					
Fixed Costs (\$/engine)	no estimate provided	\$297	\$353	\$766	\$995	
Hardware Costs, includes engine						
manufacturer markup	\$223	\$433	\$750	\$793	\$1,500	
Warranty	unknown at this time	\$0	\$10	\$10	\$765	
Operating Costs						
(excluding fuel economy impacts)	\$0	unknown at this time	unknown at this time	\$1,672	estimate not releasable*	
Lost Revenue due to increased engine weight	no estimate provided	no estimate provided	no estimate provided	no estimate provided	\$196	
Fuel Consumption Impact	no change	unknown at this time	3% worse	4 to 5% worse	5% worse	
Vehicle Manufacturing Cost						
(\$/engine) includes vehicle						
manufacture markup	\$0	unknown at this time	unknown at this time	\$100	\$155	

* Detailed inputs provided on change in oil change intervals, demurrage (i.e., down time), repairs outside the warranty period, and revenue impacts from increased engine weight, but manufacturer did not allow cost estimate to be placed in the public record.

 Table 3-4

 Engine Manufacturer Cost Submissions for Heavy-Heavy Service Class

Cost Category	Manufacturer Data - per Engine Costs					
Fixed Costs (\$/engine)	\$273	\$407	\$516	\$1,013	\$1,775	
Hardware Costs, includes engine manufacture markup	\$1,100	\$1,169	\$1,972	\$2,053	\$2,899	
Warranty	\$0	\$23	\$188	\$360	\$1,680	
Operating Costs: (excluding fuel economy impacts)	\$0	\$0	unknown at this time	\$429	estimate not releasable*	
Lost Revenue due to increased engine weight	no estimate provided	no estimate provided	no estimate provided	no estimate provided	\$871	
Fuel Consumption Impact	no change	2 percent worse	2.5 percent worse	3 percent worse	3 to 5 percent worse	
Vehicle Manufacturing Cost (\$/engine), includes vehicle manufacture markup	\$150	\$195	\$250 to \$350	\$408	\$500	

* Detailed inputs provided on change in oil change intervals, demurrage (i.e., down time), repairs outside the warranty period, and revenue impacts from increased engine weight, but manufacturer did not allow cost estimate to be placed in the public record.