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UNITED STATES DISTRICT COURT  
CENTRAL DISTRICT OF CALIFORNIA

CLERK, U.S. DISTRICT COURT  
CENTRAL DISTRICT OF CALIFORNIA  
BY DEPUTY

UNITED STATES OF AMERICA, )  
 )  
 Plaintiff, )  
 )  
 v. )  
 )  
 MOTOR VEHICLE MANUFACTURERS )  
 ASSOCIATION OF THE UNITED )  
 STATES, INC.; GENERAL )  
 MOTORS CORPORATION; FORD )  
 MOTOR COMPANY; CHRYSLER )  
 CORPORATION; and AMERICAN )  
 MOTORS CORPORATION, )  
 )  
 Defendants. )

Civil Action No. 69-75-JWC

MODIFIED FINAL JUDGMENT

Plaintiff and defendants having jointly filed a motion for a modification of the Final Judgment entered herein on October 29, 1969; the parties having consented to the entry of this Modified Final Judgment before any testimony has been taken and without trial or adjudication of or finding on any issue of fact or law herein and without this Modified Final Judgment constituting evidence or an admission by any of them in respect to any such issue; and the Court having considered the matter and having been duly advised, it is hereby

1 ORDERED that the decretal sections of and appendices to  
2 the Final Judgment of October 29, 1969, be and hereby are  
3 modified to read in full as follows:

4 I.

5 This Court has jurisdiction of the subject matter herein  
6 and of the parties hereto. The complaint states a claim upon  
7 which relief may be granted against the defendants under  
8 Section 1 of the Act of Congress of July 2, 1890, entitled  
9 "An act to protect trade and commerce against unlawful  
10 restraints and monopolies," commonly known as the Sherman  
11 Antitrust Act, as amended.

12 II.

13 As used in this Modified Final Judgment, "Devices"  
14 means air pollution emission control designs, devices,  
15 equipment, methods, or parts thereof, for motor vehicles.

16 III.

17 The provisions of this Modified Final Judgment shall  
18 be binding upon each defendant and upon each of its subsidiaries,  
19 officers, directors, agents, servants, employees, successors  
20 and assigns, and upon all other persons in active concert or  
21 participation with any of them who shall have received actual  
22 notice of this Modified Final Judgment by personal service  
23 or otherwise, but shall not apply to any transaction between  
24 or among a parent company, its subsidiaries, officers, directors,  
25 agents, servants and/or employees. Nothing in this Modified  
26 Final Judgment shall have any effect with respect to any activities

1 outside the United States which do not adversely and substantially  
2 affect the foreign commerce of the United States.

3 IV.

4 Each defendant is enjoined and restrained from:

5 (A) Combining or conspiring to prevent,  
6 restrain or limit the development, manufacture,  
7 installation, distribution or sale of Devices; or

8 (B) Entering into, adhering to, enforcing or  
9 claiming any rights under any provisions of any  
10 agreement, arrangement, understanding, plan or  
11 program (hereinafter "agreement") with  
12 any other defendant or manufacturer of motor  
13 vehicles or Devices:

14 (1) to delay installation of Devices or  
15 otherwise restrain individual decisions as to  
16 installation dates; or

17 (2) not to file individual statements  
18 with any governmental regulatory agency in  
19 the United States authorized to issue emission  
20 standards or regulations for new motor vehicles  
21 or Federal motor vehicle safety standards or  
22 regulations;

23 provided, however, that it shall not be deemed a  
24 violation of this section for a defendant to enter  
25 into an otherwise lawful agreement for joint research  
26 and development of Devices or engage in any other-  
27 wise lawful conduct pursuant to such an agreement.

V.

At the time any defendant enters into an agreement with any manufacturer of motor vehicles or Devices:

(A) to cross-license patents or patent rights on Devices which cross-license includes patents or patent rights acquired subsequent to the date of any such cross-license;

(B) to restrict publicity of research and development relating to Devices;

(C) to employ joint assessment of the value of patents or patent rights of any third party relating to Devices; or

(D) to require that acquisition of patent rights relating to Devices be conditioned upon availability of such rights to others upon a most-favored-purchaser basis,

such defendant shall file a copy of the agreement with the Assistant Attorney General in charge of the Antitrust Division. Upon written request of the Antitrust Division, and subject to any legally recognized privilege, such defendant shall provide any relevant supporting material. The failure of plaintiff to take any action following receipt of an agreement or material pursuant to this section shall not operate as a bar to any action or proceeding, civil or criminal, in this or any case, that may be pending or later brought pursuant to any law of the United States.

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VI.

Nothing in this Modified Final Judgment shall require contemporaneous notification of or prohibit any defendant from:

(A) entering into or performing under any otherwise lawful agreement with any other person or conducting bona fide negotiations looking to any such agreement:

(1) for the purchase or sale of specific commercial products;

(2) for the license of specific existing patent rights or from including in any such agreement provision for a nonexclusive grant or grant-back of patent rights on improvements obtained by the licensor or licensee during the term of the license or a reasonable period thereafter; or

(3) for the purchase, sale or license of specific engineering services relating to Devices or from including in any such agreement provision for a nonexclusive grant or grant-back of patent rights on improvements obtained by the licensor or licensee during the term of the license or a reasonable period thereafter;

(B) entering into, renewing or performing under any otherwise lawful agreement with any non-defendant person, firm or corporation (1) which does not account for more than 2 percent of world production of motor vehicle passenger car, truck and bus units in the cal-

1 endar year preceding the entering into or renewing such  
2 agreement, as determined by the most recent edition of  
3 Ward's Automotive Yearbook or any successor publication;  
4 or (2) in which it has a significant direct or indirect  
5 equity interest or which has any such interest in such  
6 defendant;

7 (C) filing a joint statement, along with one  
8 or more other defendants, unaccompanied by its in-  
9 dividual statement, with any government branch  
10 or agency in the United States regarding any aspect  
11 of any actual or proposed motor vehicle emission  
12 control or safety standard or regulation; or

13 (D) entering into, renewing or performing  
14 under any agreement which is submitted in writing  
15 to the plaintiff and to which plaintiff consents  
16 in writing.

17 VII.

18 (A) Upon written request therefor and subject  
19 to the conditions set forth herein:

20 (1) Each manufacturing defendant is  
21 ordered and directed to grant to any person, to  
22 the extent that it has power to do so, a non-  
23 exclusive, nontransferable and royalty-free  
24 license to make, have made, use, lease or sell  
25 Devices under any claim of any United States  
26 patent or any United States patent application  
27 owned or controlled by said defendant or under

1           which it has sublicensing rights, which patent  
2           was issued or application was filed prior to  
3           October 29, 1969, and licensed under the AMA  
4           cross-licensing agreement of July 1, 1955, as  
5           amended, provided that if the manufacturing  
6           defendant is obligated to pay royalties to another  
7           on the sales of the licensee the license under  
8           this paragraph may provide for the payment of those  
9           same royalties to the defendant; and

10                   (2) Each manufacturing defendant shall  
11           grant to any licensee under (1) above, to the  
12           extent that it has the power to do so, an immunity  
13           from suit under any foreign counterpart patent or  
14           patent application for any product manufactured  
15           in the United States under the license for sale  
16           abroad or for any product manufactured abroad and  
17           sold in the United States, provided that if the  
18           manufacturing defendant is obligated to pay royalties  
19           to another on the sales of the licensee the license  
20           may provide for the payment of those same royalties  
21           to the defendant.

22                   (B) Any existing licensee of any manufacturing  
23           defendant shall have the right to apply for and receive  
24           a license or licenses under this Modified Final Judgment  
25           in substitution for its existing license or licenses  
26           from any manufacturing defendant, insofar as future obli-  
27           gations and licenses are concerned. Any licensee shall  
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1 be free to contest the validity and scope of any  
2 licensed patent.

3 (C) Within sixty (60) days from the date of entry  
4 of this Modified Final Judgment, defendant Motor Vehicle  
5 Manufacturers Association is ordered and directed to  
6 donate to the United States Environmental Protection  
7 Agency copies of all technical reports in its posses-  
8 sion or control prepared or exchanged by defendants  
9 pursuant to the AMA cross-licensing agreement within  
10 two years prior to October 29, 1969, which are identified  
11 in Appendix A.

12 VIII.

13 For the purpose of determining or securing compliance with  
14 this Modified Final Judgment, and subject to any legally recog-  
15 nized privilege, from time to time:

16 (A) Duly authorized representatives of the  
17 Department of Justice shall, on written request of  
18 the Attorney General or the Assistant Attorney  
19 General in charge of the Antitrust Division, and  
20 on reasonable notice to any defendant made to its  
21 principal office, be permitted:

22 (1) Access, during the office hours of  
23 such defendant, who may have counsel present,  
24 to inspect and copy all books, ledgers, accounts,  
25 correspondence, memoranda, and other records and  
26 documents in the possession or under the control  
27 of such defendant which relate to any matters



1 contained in this Modified Final Judgment;  
2 and

3 (2) Subject to the reasonable convenience  
4 of such defendant and without restraint or  
5 interference from it, to interview officers,  
6 employees and agents of such defendant, who may  
7 have counsel present, regarding any such matters;

8 (B) A defendant, upon written request of the  
9 Attorney General or the Assistant Attorney General in  
10 charge of the Antitrust Division, shall submit such  
11 reports in writing, under oath if requested, with respect  
12 to any of the matters contained in this Modified Final  
13 Judgment as may from time to time be requested.

14 No information obtained by the means provided in  
15 this Modified Final Judgment shall be divulged by any  
16 representative of the Department of Justice to any person  
17 other than a duly authorized representative of the  
18 Executive Branch of the United States, except in the  
19 course of legal proceedings to which the United States  
20 is a party, or for the purpose of securing compliance  
21 with this Modified Final Judgment, or as otherwise  
22 required by law;

23 (C) If at the time information or documents are  
24 furnished by a defendant to plaintiff, such defendant  
25 represents and identifies in writing the material in  
26 any such information or documents to which a claim of  
27 protection may be asserted under Rule 26(c)(7) of  
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1 the Federal Rules of Civil Procedure, and said defendant  
2 marks each pertinent page of such material "Subject  
3 to claim of protection under Rule 26(c)(7) of the Federal  
4 Rules of Civil Procedure," then ten (10) days notice  
5 shall be given by plaintiff to defendant prior to di-  
6 vulguing such material in any legal proceeding (other  
7 than a Grand Jury proceeding) to which the defendant  
8 is not a party.

9 IX.

10 Jurisdiction of this cause is retained for the purpose of  
11 enabling any of the parties to this Modified Final Judgment  
12 to apply to this Court at any time for such further orders  
13 and directions as may be necessary or appropriate for the  
14 construction or carrying out of this Modified Final Judgment,  
15 for the modification or vacating of any of the provisions  
16 hereof, for the enforcement of compliance herewith, and  
17 the punishment of any violation hereof.

18 X.

19 This Modified Final Judgment shall expire on the fifth  
20 anniversary of the date of its entry.

21 XI.

22 Entry of this Modified Final Judgment is in the public  
23 interest.

24 Dated: *11/13/11*

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26 151

27 Jesse W. Curtis  
United States District Judge

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1 Pursuant to Section VII(C) of the Modified Final Judgment  
2 the following technical reports are identified:

3 Subcommittee Reports to  
4 The Vehicle Combustion Products Committee  
5 January 1968

- 6 1. Atmospheric Chemistry Panel Report
- 7 2. Diesel Emission Panel Report
  - 8 a) Proposed Standards for Motor Vehicle Exhaust Order  
9 and Irritation - California Department of Public  
10 Health Bureau of Air Sanitation - March 1, 1966 -  
11 8 pages
  - 12 b) Proposed Additions to the California Administrative  
13 Code - Standards for Motor Vehicle Emissions, State  
14 Board of Public Health Meeting June 10, 1966 -  
15 prepared by the State of California Department of  
16 Public Health - May 4, 1966 - 6 pages
- 17 3. Ad Hoc Engine Deposits Panel Report
  - 18 a) A Proposed Program to Establish the Effect of  
19 Combustion Chamber Deposits on Exhaust Emissions -  
20 prepared by Engine Deposit Panel - January 3, 1967 -  
21 19 pages
  - 22 b) Proposed Joint AMA - API Engine Deposits Program -  
23 September 14, 1967 - 7 pages
- 24 4. Engine and Vehicle Modification Panel Report
- 25 5. Exhaust Emission Measurement Panel Report
  - 26 a) EEMP - Status Report on Future Exhaust Emission  
27 Standards - undated - 8 pages
- 28 6. Ad Hoc Group on Exhaust System Heat Report
7. Fuel System Emission Panel Report
  - a) FSEP - Report of Fuel System Emission Panel to  
VCP - July 20, 1967 - 9 pages
  - b) AMC Evaporation Systems - undated - 6 pages
  - c) Chrysler Closed Vent System - C.V.S. - prepared  
by Chrysler - undated - 8 pages

APPENDIX A

- 1 d) Crankcase Storage of Evaporative Emissions - prepared
- 2 by General Motors Corp. - October 25, 1967 - 9 pages
- 3 e) Charcoal Canister Evaporative Emission Control System -
- 4 prepared by General Motors Corp. - October 25, 1967 -
- 5 9 pages
- 6 f) History of Evaporative Control Studies - prepared
- 7 by Ford Motor Company - December 1, 1967 - 12 pages
- 8 g) Crankcase Storage System for Control of Fuel
- 9 Evaporative Emissions - prepared by Ford Motor Company -
- 10 December 1, 1967 - 14 pages
- 11 h) Carbon Air Cleaner Evaporative Control System. -
- 12 prepared by Ford Motor Company - December 1, 1967 -
- 13 9 pages
- 14 8. Ad Hoc Health Committee Report
- 15 9. Heavy Vehicle Panel Report
- 16 a) Differences between California and HEW Truck Test
- 17 Cycles - prepared by Heavy Truck Panel - June 6, 1967 -
- 18 3 pages
- 19 10. New Devices Committee Report
- 20 11. Ad Hoc Traffic Survey Panel Report
- 21 a) Comparison of General Durability Schedules - prepared
- 22 by Ad Hoc Traffic Survey Panel - undated - 1 page
- 23 12. Vehicle Emission Surveillance Panel Report
- 24 a) Analysis of California Surveillance Data - prepared
- 25 by the Auto Club of Southern California and Scott
- 26 Research Laboratories - dated April 20, 1967 -
- 27 8 pages
- 28 Subcommittee Reports to  
The Vehicle Combustion Products Committee  
May 23, 1968
- 1. Atmospheric Chemistry Panel Interim Report
- 2. Engine and Vehicle Modification Panel Interim Report
- 3. Exhaust Emission Measurement Panel Interim Report

APPENDIX A

- 1 a) State of California Air Resources Board -  
2 Specification for Simplified Instrument Console  
for Emission Measurements - 13 pages -  
December 27, 1967
- 3 b) State of California Air Resources Board - Test  
4 Procedure for Approval of Instruments for Garages,  
Vehicle Assembly Line and Field Station Use -  
5 March 6, 1968 - 8 pages
- 6 4. Fuel System Emission Panel Interim Report
- 7 a) Laboratory Crosscheck Charts - undated - 5 pages
- 8 5. Heavy Vehicle Panel Interim Report
- 9 a) 1969 California Exhaust Emission Standard and Test  
10 Procedure for Heavy Trucks contained in the Federal  
Register publication of January 4, 1968 - 23 pages
- 11 6. Ad Hoc Traffic Survey Panel Interim Report
- 12 a) Considerations in Traffic Survey and Test Cycle  
13 Development - NCAPC Meeting of March 29, 1968 -  
prepared by the Ad Hoc Traffic Survey Panel -  
April 5, 1968 - 2 pages
- 14 7. Vehicle Emission Surveillance Panel Interim Report
- 15 a) Hot vs. Cold Start Surveillance Testing - prepared  
16 by VESP - March 27, 1968 - 2 pages
- 17 b) VESP Future Surveillance Program - undated -  
18 2 pages
- 19 c) Summary of Analysis - undated - 5 pages
- 20 d) VESP reply letter (draft) to Mr. John Raymond of  
CMVPCB - May 7, 1968
- 21 e) Effect of Tune-Up - undated - 2 pages
- 22 8. Engine and Vehicle Modification Panel Reports
- 23 a) 1970 California Evaporative Control Standard and  
24 Test Procedure for Passenger Cars contained in  
the Federal Register of January 4, 1968 - 23 pages
- 25 b) Intake Valve Throttling (IVT) - A Sonic Throttling  
26 Intake Valve Engine - prepared by General Motors  
for the SAE meeting - May 20-24, 1968 - 11 pages

27 APPENDIX A

- 1 c) EVMP - Present Status of Steam Power for Road  
2 Vehicles - May 8, 1968 - 11 pages  
3  
4 d) Preliminary Test Results with Non-Flame After  
5 Burner Exhaust Manifold F4-134 cu. in. Engine -  
6 prepared by KAISER Jeep CORPORATION - May 8, 1968 -  
7 5 pages  
8  
9 e) Ad Hoc Subpanel - Valve Timing Proposal Submitted  
10 to EVMP - April 9, 1968 - 2 pages  
11

12 Subcommittee Reports to  
13 The Vehicle Combustion Products Committee  
14 September 27, 1968

- 15 1. Atmospheric Chemistry Panel Interim Report  
16 2. Diesel Emission Panel Interim Report  
17 3. Engine and Vehicle Modification Panel Interim Report  
18 a) Report on New Engine Idle Stability - prepared  
19 by EVMP members - September 10, 1968 - 18 pages  
20 b) Driveability Procedure - August 6, 1968 - 8 pages  
21 c) Vehicle Inspection Procedure for Emission Control  
22 Systems and Devices, Gasoline Powered Vehicles -  
23 Inspection Old Format - August 1, 1967 - 5 pages  
24 Inspection - New Format - 5 pages  
25 d) Mass Flow Data - prepared by Chrysler Corporation -  
26 September 10, 1968 - 11 pages  
27 e) EVMP Panel Report on 1968 Engine Idle Setting  
28 Procedures - July 10, 1968 Revision including  
Shop Manual Instructions Furnished by several  
member companies  
f) EVMP Valve Timing Proposal - undated - 2 pages  
g) Excerpt from EVMP Memorandum Report dated June 11, 1968  
on Catalytic Converters and Afterburners - 1 page  
h) Catalytic Converters for Emission Control - prepared  
by Toyota Motor Company - August 6, 1968 - 8 pages  
i) Ceramic Exhaust Manifold Reactors - prepared by  
Ford Motor Company - August 5, 1968 - 7 pages

APPENDIX A

- 1 4. Exhaust Emission Measurement Panel Interim Report
- 2 a) Status Report on Assembly Line Testing by EEMP -
- 3 August 5, 1968 - 2 pages
- 4 b) Report on Measurement Procedure for Nitric Oxide
- 5 for California - 1970 by EEMP - August 5, 1968 -
- 6 16 pages
- 7 c) Report on Exhaust Emission Reactivity Criterion
- 8 from the Atmospheric Chemistry Panel and the EEMP -
- 9 July 30, 1968 - 6 pages
- 10 d) Proposal - Exhaust Emission Correlation Program
- 11 HEW - AMA Laboratories - prepared by EEMP Panel
- 12 member - October 24, 1967 - 4 pages
- 13 e) Fast Response Flame Ionization Instrument - letter
- 14 prepared by Chrysler Corporation - dated June 19, 1968 -
- 15 2 pages
- 16 f) Bay Toll Crossing Letter - answer sent to Mr. E. R. Foley
- 17 by Mr. Sherman - August 21, 1968 with attachments -
- 18 7 pages
- 19 5. Fuel System Emission Panel Interim Report
- 20 a) Fuel System Emission Panel report on Proposed Test
- 21 Procedure for the Determination of Liquid Fuel
- 22 Losses from Vehicle Fuel Tanks - September 27, 1968
- 23 8 pages
- 24 b) Fuel System Emission Panel report on Proposed Program
- 25 for Circulation and Cross-Check of 1970 Evaporative
- 26 Cars - September 27, 1968 - 2 pages
- 27 6. Heavy Vehicle Panel Interim Report
- 28 a) Recommended Application Procedure for Certification
- of New Gasoline Engines for Use in Heavy Duty Vehicles
- 1970 Model Year - prepared by the National Air
- Pollution Control Administration - dated September 23,
- 1968 - 19 pages
7. Ad Hoc Traffic Survey Panel Interim Report
8. Vehicle Emission Surveillance Panel Interim Report

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1 Subcommittee Reports to  
2 The Vehicle Combustion Products Committee  
3 December 10, 1968

- 4 1. Atmospheric Chemistry Panel Interim Report
- 5 2. Engine & Vehicle Modification Panel Interim Report
- 6 a) Driveability Demonstration - prepared by the  
7 Driveability Subpanel of EVMP - November 4, 1968 -  
8 14 pages
- 9 b) Summary - 1969 Emission Control Systems as presented  
10 by the companies to the Engine and Vehicle Modification  
11 Panel - undated - 12 pages
- 12 c) Comments to ESC by the EVMP on the Feasibility of  
13 a Two Minute Emission Inspection System - October 14,  
14 1968 - 3 pages
- 15 d) AMA Recommendations in AMA Inspection Handbook,  
16 Section IX, Vehicle Control Systems - 5 pages -  
17 dated September 10, 1968
- 18 e) Report of visit to New Jersey Inspection Station  
19 November 21, 1968 - by the EVMP - 7 pages
- 20 f) Comments to ESC from EVMP on California Proposals  
21 for Emission Control Standards on 1970 and Later  
22 Model Vehicles - October 21, 1968 - 5 pages
- 23 3. Exhaust Emission Measurement Panel Interim Report
- 24 a) EEMP comments and Recommendations to AMA ESC on  
25 California AB 357 Requirements for Assembly Line  
26 Testing for Vehicle Emissions - December 2, 1968 -  
27 10 pages
- 28 b) Letter from EEMP of September 6, 1968 to Mr. K. D.  
Mills at Willow Run and Mr. Mills answer of  
October 14, 1968 re AMA Exhaust Emission Measurement  
Correlation Program
- c) Fuel System Emission Panel and Heavy Vehicle Panel  
report to the Emission Standards Committee on  
Measuring Evaporative Losses - undated - 4 pages

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1 d) Recommended Application Procedure for Certification  
2 of New Gasoline Engines for Use in Heavy Duty  
3 Vehicles - 1970 Model Year - prepared by National  
4 Air Pollution Control Administration - September 23,  
5 1968 - 19 pages

6 4. Fuel System Emission Panel Interim Report

7 5. Heavy Vehicle Panel Interim Report

8 6. Ad Hoc Traffic Survey Panel Interim Report

9 Subcommittee Reports to  
10 The Vehicle Combustion Products Committee  
11 March 27, 1969

12 1. Engine & Vehicle Modification Panel Interim Report

13 2. Exhaust Emission Measurement Panel Interim Report

14 a) Report from Exhaust Emission Measurement Panel  
15 on California ARB proposed Assembly Line Test  
16 Procedure for Motor Vehicle Exhaust - January 28,  
17 1969 - 6 pages

18 b) Effect of Engine Intake Air Moisture on Nitrogen  
19 Oxides Emissions - prepared by Ethyl Corporation,  
20 March 14, 1969 - 23 pages

21 c) Humidity Correction K Factor - prepared by Nissan  
22 Motor Company - undated - 16 pages

23 d) Mass Emission Test Procedures - undated - 4 pages

24 e) Effect of Fuel Composition (% Aromatics) on Exhaust  
25 Hydrocarbon Concentration - Based Upon DuPont data  
26 and a Report by GM dated January 22, 1969 - 5 pages

27 f) Report on Measurement Procedure for Nitric Oxide  
28 for California - 1970 - prepared by EEMP -  
August 5, 1968 - 16 pages

g) Critique - California AB 690 Test Method for Measuring  
Vehicle Exhaust Emissions on a Mass Basis - undated -  
4 pages

3. Fuel System Emission Panel Interim Report

4. Health Committee Interim Report

APPENDIX A

- 1 5. Heavy Vehicle Panel Interim Report  
2 6. Ad Hoc Traffic Survey Interim Report

3 Subcommittee Reports to  
4 The Vehicle Combustion Products Committee  
5 June 19, 1969

- 5 1. Heavy Vehicle Panel Interim Report  
6 2. Atmospheric Chemistry Panel Interim Report  
7 a) Exhaust Emission Reactivity Criterion - prepared  
8 by the Atmospheric Chemistry Panel and the EEMP -  
9 May 28, 1969 - 6 pages  
9 3. Vehicle Emission Surveillance Panel Interim Report  
10 a) Surveillance Data Summary - prepared by VESP -  
11 June 9, 1969 - 5 pages  
12 4. Exhaust Emission Measurement Panel Interim Report  
13 a) Proposed Items of Discussion on May 12, 1969  
14 at Willow Run - Prepared by Messrs. Mick, Fagley,  
15 and Hagen - 8 pages  
16 b) Analysis of AMA data for HC Emissions during the  
17 Federal Cycle - prepared by Ethyl Corporation -  
18 June 2, 1969 - 8 pages  
19 c) Analysis of AMA data for HC Emissions during the  
20 California Cycle Tests - Changes to improve  
21 Response Time - prepared by Chrysler Corporation -  
22 April 29, 1969 - 3 pages  
23 d) Proposal Exhaust Emission Correlation Program  
24 HEW - AMA Laboratories - prepared by Ford Motor  
25 Company - April 7, 1969 - 4 pages  
26 5. Engine & Vehicle Modification Panel Interim Report  
27 a) Transmission Controlled Spark - An Evaluation of  
28 NOx Emissions - prepared by General Motors Corporation -  
April 15, 1969 - 10 pages  
b) Presentation on the Effect of Valve Overlap on Oxides  
of Nitrogen Emissions - prepared by General Motors  
Corporation - undated - 6 pages

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- c) IH Spark Advance Monitoring System - prepared by International Harvester Company - March 4, 1969 - 4 pages
  - d) Performance of a Catalytic Converter on Non-leaded Fuel prepared by General Motors Corporation and published in SAE - undated - 13 pages
  - e) Comments on Performance of a Catalytic Converter on Non-leaded Fuel - prepared by Ford Motor Co. - presented before the SAE mid Year Meeting May 22, 1969 - 18 pages
  - f) Panel Charge - prepared by J. P. Charles - dated May 27, 1969 - 1 page
  - g) Engine Tune-up Data for 1970 Year Model Toyota Vehicles - prepared by Toyota Motor Company dated June 10, 1969 - 2 pages
  - h) Engine Idle Setting Procedure - prepared by KAISER Jeep CORPORATION - undated - 1 page
  - i) Committee Correspondence re New Jersey Vehicle Emission Inspection - dated April 7th, May 8th, June 9th, 1969 describing telephone conversation with Mr. Elston
  - j) Inspection Handbook Distribution - dated June 4, 1969
  - k) Quality Car Care Schedule - prepared by Toyota Motor Company - undated - 3 pages
  - l) Layman's Nomenclature - undated - 2 pages
6. Fuel System Emission Panel Interim Report
- a) Laboratory Cross-Check Program - prepared by Fuel System Emission Panel - May 5, 1969 - 11 pages
  - b) Fuel Tank Heating Methods - prepared by Fuel System Emission Panel - May 5, 1969 - 22 pages
  - c) Emission Control Calculations on Total Motor Vehicle HC & CO Emissions - dated June 17, 1969 - 3 pages

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APPENDIX A

1 Additional Subcommittee Reports to  
2 The Vehicle Combustion Products Committee  
(in preparation and to be completed by October 31, 1969)

3 1967 Annual Report of Engine & Vehicle Modification Panel

4 1. Status Report No. 5 of the Engine & Vehicle Modification Panel  
5 to the Vehicle Combustion Products Committee - 1967 - 27 pages

6 2. Tables I and II on 6 Cylinder and 8 Cylinder Camshafts

7 Figure 1 - American Motors Report on 6 Cylinder Camshafts -  
8 1 page

9 Figure 2 - Field Survey of Combustion Testers

10 Figure 3 - Response to Exhaust Gas with and without Air  
11 Injection using a Johnson-Williams Combustibles  
12 Analyzer

13 Figure 4 - Variable Dilution System - Exhaust Gas (missing)

14 Figure 5 - Blow-by Emission Measurement - prepared by  
15 New Jersey State Department of Health

16 Figure 6 - 1968 Engine Information Decals

17 Figure 7 - Cross Section of 199 C.I.D. Combustion Chamber -  
18 Quench and Low Quench

19 Figure 8 - Cross Section of 232 C.I.D. Combustion Chamber -  
20 Quench and Low Quench

21 Figure 9 - Head Gasket Bore Configuration user with Low  
22 Quench Engines 199 and 232 C.I.D.

23 Figure 10 - Effect of Air-Fuel Ratio on Exhaust NO Concen-  
24 trations for Various Speed-Load Combinations

25 Figure 11 - Effect of Spark Timing on Exhaust NO Concen-  
26 trations for Various Speed-Load Combinations

27 Figure 12 - Effect of Intake Manifold Vacuum on Exhaust NO  
28 Concentrations for Various Air-Fuel Ratios

Figure 13 - Effect of Coolant Temperature on Exhaust NO  
Concentrations for Duplicate Runs

3. Appendices

A) Camshaft and Valve Timing - EVMTG Proposal

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- 1 B) Proposed AMA Engine Idle Setting Procedures - EVMPTG  
June 27, 1967
- 2
- 3 C) Reply to New Jersey Regarding State Vehicle Inspection  
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- 4 D) Reply to Air Pollution Control Administration -  
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- 5
- 6 E) Bibliography of Papers on Emission Control Devices  
Submitted to EVMP by Member Companies

7 1968 Annual Report of Engine & Vehicle Modification Panel

- 8 1. Status Report No. 6 of the Engine and Vehicle Modification  
9 Panel to the Vehicle Combustion Products Committee - 1968 -  
23 pages
- 10 2. Appendices
- 11 A) Control of Oxides of Nitrogen - Chrysler Study  
12 Curves, data, and Sketches illustrating Chrysler  
Studies in NOx control.
- 13 B) Exhaust System Devices for Emission Control -  
14 International Harvester Company
- 15 C) Vehicle Inspection Procedures
- 16 D) 1969 Emission Control Systems
- 17 E) Mass Flow
- 18 F) Idle Setting Procedures - A detailed description  
of the shop manual procedures for each manufacturer
- 19 G) Manifold Reactors - Preliminary Test Results with  
20 Non-Flame After Burner Exhaust Manifold, F4-134 cu. in.  
Engine
- 21 H) Air Injection Modifications - Toyota Motor Co., Ltd.  
22 Nippon Denso Co., Ltd.
- 23 I) Steam-Powered Road Vehicles - Present Status
- 24 J) Valve Timing Proposal
- 25 K) Driveability - Driveability Demonstration
- 26 L) Comments on California 1970 Proposals

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Engine & Vehicle Modification Panel Reports

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2.	10/17/67	1968 Ford Emissions Systems	Ford Motor Company	1
3.	10/17/67	Idle Adjustments	Chrysler Corp.	1
4.	10/17/67	Idle Mixture, Effect of Miles on Idle Speed, & Timing Changes	General Motors Corporation	3
5.	10/17/67	Emission Control by Engine Design and Development	American Motors Corporation	17
6.	11/15/67	New Jersey Emissions Inspection Program	EVMP	10
7.	11/17/67	Engine Idle Setting Procedures	American Motors Chrysler Corporation Ford Motor Company General Motors Corp. International Harvester Co. KAISER Jeep CORP.	37
8.	12/5/67	Changes in Idle Speed Re. Mixture	Ford Motor Company	2
9.	12/5/67	Emission Control Labels	KAISER Jeep CORP.	1
10.	12/5/67	AMA-HEW Exhaust Flow Equations	EVMP	5
11.	1/2/68	Idle Service Instructions - CAS	Chrysler Corp.	1
12.	1/2/68	Exhaust Volume Measurements on Cycle Tests	Chrysler Corp.	1
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1	13. 12/5/67	Survey of Emission Control Devices in Use on 1968 Models	American Motors Chrysler Corp. Ford Motor Co. General Motors Corp.	17
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3	14. 1/68	Exhaust Emission Control Devices	KAISER Jeep CORP.	2
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5	15. 1/4/68	Idle Mixture, Speed & Spark Timing Adj.	General Motors Corp.	6
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7	16. 1/2/68	Exhaust System Devices for Emission Control	International Harvester Co.	1
8	17. 1/2/68	Exhaust Manifold Reactors	International Harvester Co.	3
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10	18. 1/2/68	Heavy Truck Emission Control Systems	International Harvester Co.	2
11	19. 12/15/67	Adjusting Idle Mixture	Ford Motor Co.	7
12	20. 2/13/68	Changes in Idle Tune During First 1,000 Miles 1968 G. M. Cars	General Motors Corp.	1
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15	22. 2/9/68	Test Data on Catalytic System	KAISER Jeep CORP.	3
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18	24. 2/13/68	Test Data Exhaust Emissions	KAISER Jeep CORP.	1
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23	26. 3/12/68	Engines for Toyota 1968 Models	Toyota Motor Company, Ltd.	1
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25	27. 3/12/68	Engine Stalling on Deceleration	Nissan Motor Co., Ltd.	7

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5	30. 4/9/68	Mass Flow Data	Nissan Motor Co. Ltd.	1
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7	31. 4/4/68	Idle Settings 4,000 Miles or Under	Chrysler Corp.	1
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9	32. 5/8/68	Report on Present Status with Steam Powered Road Vehicles & Their Emission Characteristics	EVMP	Attach. A5 Attach. B3 Attach. C2 Attach. D1
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12	33. 5/8/68	Preliminary Test Results with Non-Flame After Burner Exhaust Manifold F-4 - 134 cu. in. Engine	KAISER Jeep CORP.	5
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18	35. 6/11/68	1968 Engine Idle Setting Procedures	American Motors Corp. Chrysler Corp. Ford Motor Co. General Motors Corp. International Harvester Co. KAISER Jeep CORP. Nissan Motor Co. Toyota Motor Co.	7
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17	60. 1/69	Exhaust Emission Control Systems	KAISER Jeep CORP.	1
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15	73. 12/68	The Effects of the Ignition System on Exhaust Emissions	Mitsubishi Electric Corp.	26
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17	74. 3/24/69	Engine Idle Quality Test Procedure of Toyota	Toyota Motor Co., Ltd.	6
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19	75. 3/27/69	Reduction of Nitrogen Oxides in Automobile Exhaust	Nippon Denso Co., Ltd.	11
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21	76. 3/11/69	Description of Igni- tion Advance Monitoring Systems	International Harvester Co.	5
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23	77. 6/10/69	Engine Idle Setting	KAISER Jeep CORP.	1
24	78. 5/13/69	Quality Car Care Schedule	Toyota Motor Co.	3
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Exhaust Emission Measurement Panel Reports

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10	1. 9/8/67	A Proposal for an Interim Mass Exh. Emission Test Procedure	Ford	3
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12	2. 9/8/67	A Proposal for 1970 Stds. Based on Mass Equivalent	General Motors	4
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18	5. 10/25/67	Proposal - Exhaust Emission Correlation Program for EEMP	Ford	4
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20	6. 11/20/67	Curves and Tables Emissions vs. Vehicle Weight	Chrysler	17
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22	7. 11/20/67	Interim Mass Standards for 1970	General Motors	4
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CERTIFICATE OF MAILING

I, Edward M. Kritzman, Clerk, United States District Court, Central District of California, and not a party to the within action, hereby certify that on 11/19/82, I served a true copy of this notice of entry on the parties in the within action by depositing true copies thereof, enclosed in sealed envelopes, in the United States Mail in the United States Post Office mail box at Los Angeles, California, addressed as follows:

Susan Durbin  
Deputy Attorney General  
3580 Wilshire Blvd.  
Los Angeles, CA 90010

Harold Kwalwasser  
Tuttle & Taylor  
609 S. Grand Avenue  
Los Angeles, CA 90017

Marcus Matson  
Lawler Felix & Hall  
700 S. Flower Street  
Los Angeles, CA 90017

James MacNee III  
Associate General Counsel  
Emissions, Safety & Patents  
Ford Motor Co.  
The American Road  
Dearborn, Michigan 48121

Lloyd Cutler  
Wilmer Cutler & Pickering  
1666 "K" Street N.W.  
Washington, DC 20006

William Crabtree  
Motor Vehicle Manufacturers Assoc.  
of the United States, Inc.  
300 New Center Building  
Detroit, Michigan 48202

Bernard Hollander  
Assistant U.S. Attorney  
Department of Justice - Room 3706  
Antitrust Division  
Washington, DC 20530

David Vladeck  
Public Citizen Litigation Group  
200 P. Street N.W. Suite 700  
Washington DC 20036  
EDWARD M. KRITZMAN, CLERK

By   
Deputy Clerk

NOTICE

IN ACTIONS ARISING UNDER THE ECONOMIC STABILIZATION ACT, THE EMERGENCY PETROLEUM ALLOCATION ACT, AND THE ENERGY POLICY AND CONSERVATION ACT, NOTICES OF APPEAL TAKEN FROM THIS JUDGMENT MUST BE FILED IN THE TEMPORARY EMERGENCY COURT OF APPEALS IN ACCORDANCE WITH THE RULES OF PROCEDURE OF THAT COURT.