

Safety Research Report Index - Light Truck/Van Crashworthiness

A. BACKGROUND

1. Insurance Institute for Highway Safety Status Report Articles from 1973-1992
2. "Safety Standards Long Overdue for Light Trucks," Consumer Reports, 9/73
3. "3 Safety Rules Apply to Light Trucks," Automotive News, 12/3/79
4. "Ford and GM Vans, Isuzu Truck Do Badly in Federal Crash Test," Wall Street Journal, 3/7/87
5. "NHTSA Adds Trucks, Vans to Rear-Shoulder-Belt Rule," Automotive News, 12/5/88
6. "NHTSA Denies Delaying Light-Truck Safety Rules," Automotive News, 6/12/89
7. "NHTSA Expects to Release Roof, Side-Impact, Head-Restraints Rules," Automotive News, 6/12/89
8. "Minivan Fatalities Raise Questions," Hampton Roads Morning Newspaper, 8/13/89
9. "Family-Car Buyers, Take Heed," Parenting magazine, 10/89
10. "House Bill Would Require Safety Standards Extended to MPV's," Highway & Vehicle Safety Report, 10/89
11. "Trucks, Side Impact Draw NHTSA Attention," Automotive News, 11/6/89
12. "NHTSA Pushes for Truck Passive Restraints," Automotive News, 12/11/89
13. "Vans Evade Auto Standards," Consumer Reports, 2/90
14. "Makers Not Waiting for New Rules to get Air Bags in Trucks," Automotive News, 3/11/91
15. "Agency Seeks Comments on Dynamic Side Impact Testing for LTV's," Highway & Vehicle Safety Report, 6/29/92.

B. ATTORNEYS

C. EXPERTS

D. CONGRESS

1. "Unwarranted Delays by the Department of Transportation to Improve Light Truck Safety," General Accounting Office, 7/6/78
2. "Light Truck and Van Safety: Report to the Committees on Appropriations, U.S. House of Representatives and U.S. Senate," NHTSA, 5/87
3. "Safety Programs for Light Trucks and Multipurpose Passenger Vehicles: Report to the Committees on Appropriations U.S. House of Representatives U.S. Senate," NHTSA, 4/88
4. U.S. Senate Committee on Commerce, Science and Transportation to Transportation Secretary Samuel Skinner, 5/22/89
5. Transportation Secretary Samuel Skinner to Ernest F. Hollings, Chairman of Senate Committee on Commerce, Science and Transportation, 6/29/89
6. U.S. Committee on Commerce, Science & Transportation to Transportation Secretary Samuel Skinner, 10/19/89
7. "Passive Restraints Needed to Make Light Trucks Safer," U.S. General Accounting Office, 11/89
8. "Safety Programs for Light Trucks and Sport Utility Vehicles," NHTSA, 1990
9. "Fatalities in Light Trucks and Vans," U.S. General Accounting Office, 11/90

E. CENTER for AUTO SAFETY

1. IMPACT articles on light truck safety, 1978-91
2. Petition to NHTSA requesting MPV's be subject to same safety standards as passenger cars, 3/22/73
3. NHTSA's response to 3/22/73 petition, 6/25/73
4. Letter to NHTSA Administrator Gregory requesting more definitive action on CAS's 3/22/73 petition, 8/17/73
5. Petition to NHTSA requesting elimination of the category "Multipurpose Passenger Vehicle," 10/15/73
6. "Advertising Trends of Nonpassenger Vehicles," 1/30/78
7. Comments on NHTSA's "Five Year Plan for Motor Vehicle Safety and Fuel Economy Rulemaking," (NHTSA Docket 78-07), 6/13/78
8. Comments to NHTSA Docket 78-16-N1: Application of FMVSS 201, 203 & 204 passenger car safety standards to MPV's, 2/7/79
9. Comments to NHTSA Docket 82-01-N1: Extension of FMVSS 202 to MPV's, 4/19/82
10. Statement before the Senate Committee on Commerce, Science and Technology, 12/11/86
11. Statement before the Consumer Subcommittee of the Senate Committee on Commerce, Science and Technology, 3/6/87
12. Comments to NHTSA Docket 87-15-N1: How safety standards should be extended to MPV's, 1/27/88
13. Statement before the Consumer Subcommittee of the Senate Committee on Commerce, Science and Technology, 4/5/89

F. DEPARTMENT of TRANSPORTATION (DOT) PRESS RELEASES

1. "DOT Announces New Program for Auto Safety Priorities," 3/13/78

2. "DOT to Upgrade Safety Standards for Light Trucks and Vans," 11/28/78
3. "DOT Improves Safety in Light Trucks and Vans," 11/28/79
4. "NHTSA Proposes Consumer Information on Utility Vehicles," 12/30/82
5. "NHTSA Issues New Consumer Information Rule on Utility Vehicles," 5/11/84
6. "NHTSA Asks for Comments on Change in Vehicle Safety Standard Classifications," 10/29/87
7. "NHTSA Extends Steering Wheel Safety Standard to Light Trucks, Buses, and Multipurpose Vehicles," 11/18/87
8. "NHTSA Moves to Improve Light Truck/Van Safety," 11/18/87
9. "NHTSA Requests Comments on Improving Side Impact Protection," 8/16/88
10. "NHTSA Proposes Head Restraints in Light Trucks and Vans," 12/8/88
11. "NHTSA Requires Head Restraints in Light Trucks and Vans," 9/21/89
12. "Skinner Announces New Rules for Light Trucks, Multipurpose Vehicles and Convertible Passenger Cars," 11/1/89
13. "NHTSA Proposes Tougher Side Door Strength for Light Trucks and Vans," 12/20/89
14. "NHTSA Proposes Automatic Crash Protection for Light Trucks and Vans," 1/4/90
15. "NHTSA Report Weighs Safety of Light Trucks, Vans," 6/20/90
16. "NHTSA Requires Airbags or Automatic Belts in Light Trucks, Utility Vehicles, Vans," 3/21/91

G. FEDERAL MOTOR VEHICLE SAFETY STANDARD (FMVSS) RULEMAKING

1. FMVSS 201 - Occupant Protection in Interior Impact
 - a. NHTSA, "Study of the Effects of Applying Federal Motor Vehicle Safety Standard 201 to Light Trucks and Vans," 5/79
 - b. Final Rule (extending FMVSS 201, 203 and 204 to MPV's), 44 FR 68470, 11/29/79
 - c. NPRM (Head impact protection), 58 FR 7506, 2/8/93
 - d. Reopening of comment period; Notice of public meeting (Head impact protection), 58 FR 54099, 10/20/93
 - e. Federal Register Notice History of FMVSS 201
2. FMVSS 202 - Head Restraints
 - a. NHTSA, "An Evaluation of Head Restraints, Federal Motor Vehicle Safety Standard 202" (summary), 2/82
 - b. NHTSA, "Preliminary Regulatory Evaluation: Proposed Extension of Head Restraint Requirements to Light Trucks, Buses, and Multipurpose Passenger Vehicles with GVWR of 10,000 Pounds or Less," 4/88
 - c. NPRM (extend FMVSS 202 to MPV's), 53 FR 50047, 12/13/88
 - d. Comments by various manufacturers and organizations on proposed extension of FMVSS 202 to MPV's, 2-4/89
 - e. Final Rule (extend FMVSS 202 to MPV's), 54 FR 39183, 9/25/89
 - f. Federal Register Notice History of FMVSS 202
3. FMVSS 203 - Impact Protection for the Driver from the Steering Control System & FMVSS 204 - Steering Control Rearward Displacement
 - a. NHTSA, "Study of the Effects of Applying Federal Motor Vehicle Safety Standards 203 and 204 to Light Trucks and Vans," 5/79
 - b. Final rule (extend FMVSS 203 & 204 to MPV's), 44 FR 68470, 11/29/79
 - c. Summary of manufacturer comments on proposed amendment to expand FMVSS 204 to include heavier MPV's (50 FR 13402), 8/23/85
 - d. "Proposed Extension of FMVSS No. 204 to Light Trucks, Buses and Multipurpose Passenger Vehicles with Unloaded Vehicle Weight of 4000 to 5500 Pounds," NHTSA, 2/85
 - e. Final Rule (extend FMVSS 204 to additional MPV's), 52 FR 44893, 11/23/87
 - f. Federal Register Notice History of FMVSS 203 & 204
4. FMVSS 208 - Occupant Crash Protection
 - a. Final Rule (Injury reduction criteria and dummy position), 52 FR 44898, 11/23/87
 - b. Comments by Ford, GM and Toyota on the extension of FMVSS 208 to MPV's, 12/87
 - c. NHTSA, Final Regulatory Evaluation: "Dynamic Testing of Manual Belts in Light Trucks and Multipurpose Passenger Vehicles," 11/87
 - d. Denial of Petition for Reconsideration (Modification of dynamic testing), 53 FR 50221, 12/14/88
 - e. NHTSA, "Preliminary Regulatory Impact Analysis, Proposed Extension of the Automatic of FMVSS 208 to Trucks, Buses and Multi-purpose Passenger Vehicles," NHTSA 10/89
 - f. Final Rule (rear lap/shoulder belts), 54 FR 46257, 11/2/89
 - g. NPRM (automatic crash protection), 55 FR 747, 1/9/90
 - h. Final Rule (automatic crash protection), 56 FR 12472, 3/26/91
 - i. Final Rule (mandatory airbags & labeling), 58 FR 46551, 9/2/93
 - j. Federal Register Notice History of FMVSS 208
5. FMVSS 212 - Windshield Mounting
 - a. NPRM (extend FMVSS 212 to MPV's), 37 FR 16979, 8/23/72

- b. NPRM (extend FMVSS 212 to MPV's), 39 FR 2274, 1/18/74
 - c. Final Rule (extend FMVSS 212 to MPV's), 41 FR 36493, 8/30/76
 - d. Response to Petition for Reconsideration (modify new rule on MPV's), 42 FR 34288, 7/5/77
 - e. Comments by GM, AMC, IH, MVMA and Ford on extension of FMVSS 212 to MPV's, 9/79
 - f. Federal Register Notice History of FMVSS 212
6. FMVSS 214 - Side Door Strength
- a. ANPRM (upgrade and extend FMVSS 214 to MPV's), 44 FR 70204, 12/6/79
 - b. Termination of Rulemaking (on above ANPRM), 47 FR 30084, 7/12/82
 - c. "Estimate for Incorporating FMVSS 214 Performance Requirements in Light Trucks and Multipurpose Vehicles," NHTSA, 6/88
 - d. ANPRM (extend FMVSS 214 to MPV's), 53 FR 31716, 8/19/88
 - e. Manufacturer comments on proposed extension of FMVSS 214 to MPV's, 1/12/89
 - f. NPRM (extend FMVSS 214 to MPV's), 54 FR 52826, 12/22/89
 - g. NHTSA, "Preliminary Regulatory Impact Analysis, Proposed Extension of FMVSS 214 Quasi-Static Test Requirements to Trucks, Buses, and Multi-Purpose Passenger Vehicles with a GVWR of 10,000 Pounds or Less," 12/89
 - h. Final Rule (extension to MPV's), 56 FR 27427, 6/14/91
 - j. ANPRM (alternative dummies to SID), 56 FR 67042, 12/27/91
 - k. NPRM (FMVSS 214 testing of MPV's), 57 FR 1716, 1/15/92
 - l. Comments by IIHS & Advocates for Highway & Auto Safety on extension of dynamic test requirements to LTV's, 8/4/92
 - m. Federal Register Notice History of FMVSS 214
7. FMVSS 216 - Roof Crush Resistance
- a. Ford internal test report on 1983 and 1984 Bronco II, 12/2/82 & 2/2/84
 - b. NHTSA to 9 manufacturers on compliance with 216, 4/13/87
 - c. Manufacturers' response to NHTSA's 4/13/87 inquiry
 - d. NHTSA, "Preliminary Regulatory Evaluation [-] Extension of FMVSS No. 216, Roof Crush Standards to Light Trucks, Vans and Multi-Purpose Vehicles," NHTSA, 8/89
 - e. NPRM (extend FMVSS 216 to MPV's), 54 FR 46275, 11/2/89
 - f. Summary of manufacturer comments on NPRM to extend FMVSS 216 to MPV's, 1/90
 - g. Final Rule (extend FMVSS 216 to light trucks), 56 FR 15510, 4/17/91
 - h. Federal Register Notice History of FMVSS 216
8. Proposed Changes in FMVSS Vehicle Classification
- a. NPRM (change to MPV classification), 53 FR 40463, 10/17/88
 - b. Summary of comments by manufacturers on new vehicle classifications, 1/89

H. NHTSA CRASH TESTS

1. Description of its New Car Assessment Program (NCAP) and list of NCAP test results for all MPV's and Light Trucks: model years 1981-1992
2. "Light Truck Aggressivity Study, Test Report 1-Truck-to-Car Head-On Impact Tests," 11/78
3. "Van Crashworthiness and Aggressivity Study, Test Report 1," 6/79
4. "Van Crashworthiness and Aggressivity Study, Test Report 2," 6/79
5. "Van Crashworthiness and Aggressivity Study, Test Report 3," 6/79
6. "Pickup and Van Side Structure Baseline Assessment Tests 1, 2, and 3 Vehicle-to-Vehicle 60 Degree Left Side Impact" (Appendix omitted), 11/79
7. "Light Truck Side Structure Evaluation," 2/81
8. "FMVSS 214 Safety Compliance Test, Side Door Strength," 2/88
 - a. 1987 Ford Bronco II (excerpt)
 - b. 1987 Suzuki Samurai (excerpt)
 - c. 1987 Ford F150 Pickup (excerpt)
 - d. 1987 Dodge Dakota Pickup (excerpt)
 - e. 1987 Nissan Pathfinder (excerpt)
9. Rollover and roof crush testing by NHTSA

I. REPORTS AND STUDIES

1. W. Whitmer & W. von Kampen, GM, "Truck & Bus Safety," 7/68
2. J. Green, Highway Safety Research Institute, "Some Characteristics of Light-Truck Accidents in Texas," 1/76
3. H. Sherman & D. Huelke, Highway Safety Research Institute, "Clinical Case Reviews of Light Truck & Van Crashes," 12/1/78
4. R. Snyder, T. McDole, et. al., Highway Safety Research Institute, "An Overview of the On-Road Crash Experience of Utility Vehicles (Highlights of the Technical Report)," 2/80
5. L. Stucki & R. Morgan, NHTSA, "Occupant Protection in Light Trucks and Vans," 10/80
6. A.C. Malliaris, R. Hitchcock, et al., NHTSA, "A Search for Priorities in Crash Protection," 1982

7. NHTSA, "Planning for Safety Priorities" (excerpt), 4/83
8. R. L. Habush, Esq., Milwaukee WI, "The Anatomy of a Roof Crush Case," circa 1985
9. K. Orłowski and R.T. Bundorf, GM, "Rollover Crash Tests - The Influence of Roof Strength on Injury Mechanics," 1985
10. K. Digges, NHTSA, "Light Truck Safety Research in NHTSA," 5/87
11. C. Kahane, Ph.D., NHTSA, "An Evaluation of Occupant Protection in Frontal Interior Impact for Unrestrained Front Seat Occupants of Cars and Light Trucks" (excerpt), 1/88