



Preliminary Evaluation of Advanced Air Bag Field Performance Using Event Data Recorders

By U. S. Department of Transportation

CreateSpace Independent Publishing Platform. Paperback. Condition: New. This item is printed on demand. 68 pages. Dimensions: 11.0in. x 8.5in. x 0.2in. This report describes a preliminary evaluation of the field performance of occupant restraint systems designed with advanced air bag features including those specified in the Federal Motor Vehicle Safety Standard No. 208 for advanced air bags, through the use of event data recorders. Although advanced restraint systems have been extensively tested in the laboratory, we are only beginning to understand the performance of these systems in the field. Because EDRs record many of the inputs to the advanced air bag control module, these devices can provide unique insights into the characteristics of field performance of air bags. This research program investigates the feasibility of using EDR data to evaluate advanced air bags. Specifically, this report discusses (1) the development of an expanded EDR dataset based on data retrieved from NASSCDS 2005, SCI, and CIREN in-depth crash investigations, (2) the validation of the accuracy of EDRs in full-scale crash tests, and (3) the feasibility of using EDRs to monitor the performance of advanced air bag restraints in real-world crashes. This item ships from La Vergne, TN. Paperback.



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