

CRASH DATA RESEARCH CENTER

Veridian
Engineering Division
Buffalo, New York 14225

**REDESIGNED AIR BAG SPECIAL STUDY (RABSS)
SCI TECHNICAL SUMMARY REPORT**

NASS CDS CASE NO. 1999-11-146J

RABSS VEHICLE - 1998 FORD F-150 SUPER CAB PICKUP TRUCK

LOCATION - STATE OF MICHIGAN

CRASH DATE - SEPTEMBER, 1999

Contract No. DTNH22-94-D-07058

Prepared for:

U.S. Department of Transportation
National Highway Traffic Safety Administration
Washington, D.C. 20590

DISCLAIMER

This document is disseminated under the sponsorship of the Department of Transportation in the interest of information exchange. The United States Government assumes no responsibility for the contents or use thereof.

The opinions, findings, and conclusions expressed in this publication are those of the authors and not necessarily those of the National Highway Traffic Safety Administration.

The crash investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points are coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-crash, crash, and post-crash movements of involved vehicles and occupants.

Because each crash is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

TABLE OF CONTENTS

BACKGROUND	1
SUMMARY	
Crash Site	1
Pre-Crash	1
Crash	2
Post-Crash	2
RABSS VEHICLE	2
VEHICLE DAMAGE	
Exterior	3
Interior	3
REDESIGNED AIR BAG SYSTEM	4
DRIVER DEMOGRAPHICS	4
Driver Injuries	5
Driver Kinematics	5
FRONT CENTER PASSENGER DEMOGRAPHICS	5
Front Center Passenger Injuries	6
Front Center Passenger Kinematics	6
FRONT RIGHT PASSENGER DEMOGRAPHICS	6
Front Right Passenger Injuries	6
Front Right Passenger Kinematics	7
NASS SCENE DIAGRAM	7

