

**NHTSA  
BIOMECHANICS DATABASE  
REPORT  
TEST# 3742**

U.S. DEPARTMENT OF TRANSPORTATION  
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION  
CRASH AUTOMOBILE RESEARCH SYSTEM  
DYNAMIC CRASH FILE CATALOG

SELECTION CRITERION  
BIODB

VERSION 4 DATA

TABLE OF CONTENTS

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<i>REFERENCE NUMBER</i>	<i>CONTRACT NUMBER</i>	<i>TEST PERFORMER</i>	<i>TEST TITLE</i>
<u>3742</u>		<u>VEHICLE RES. TEST CTR</u>	<u>860396</u>

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**TEST INFORMATION  
FOR TEST 3742**

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**Test Title:** 860396

**Test Date:** 20-JAN-98      **Entry Date:** 11-SEP-98

**Test Number:** 3742      **Contract Number:**

**Test Performer:** VEHICLE RES. TEST CTR. **Test Reference Number:** 03960104

**Test Configuration:** OTHER

**Test Objectives:** File created from DSP files.

**Closing Speed:** 0      **Impact Angle:** 0

**Recorder Type:** OTHER      **Data Link To Recorder:** OTHER

**Ambient Temperature:** 999999

**Total Curves:** 23

**Test Comments:**

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## DUMMY OCCUPANT INFORMATION FOR TEST 3742

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*Test Number:* 3742

*Occupant Location:* RIGHT FRONT SEAT

*Occupant Type:* HYBRID III DUMMY

*Occupant Sex:* NOT APPLICABLE

*Seat Position:*

*Head Injury Criterion:*

*Lower Boundary of HIC Time Interval:*

*Upper Boundary of HIC Time Interval:*

*Thorax Region Peak Acceleration:*

*Left Femur Peak Load:*

*Right Femur Peak Load:*

*Chest Severity Index:*

*Lap Belt Peak Load:*

*Shoulder Belt Peak Load:*

*Thoracic Trauma Index:*

*Pelvic G's:*

*Method of Calibration:*

*Dummy Size Percentile:* 6 YEAR OLD CHILD

*Dummy Manufacturer and Serial#:*

*Dummy Modification:*

*Dummy Description:*

*Occupant Commentary:* 96 EXPLORER, POS.1

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RESTRAINT INFORMATION  
FOR TEST 3742

*Restraint Number:* 1

*Restraint Type:* AIR BAG

*Restraint Mount Position:* DASH PANEL -  
UNSPECI

*Restraint Deployment:* DEPLOYED PROPERLY

*Restraint Comments:*

# INSTRUMENTATION INFORMATION

## FOR TEST 3742

<i>Curve Number</i>	<i>Sensor Type</i>	<i>Sensor Location</i>	<i>Sensor Attachment</i>	<i>Units</i>	<i>Axis</i>	<i>Instrumentation Comments</i>
<u>1</u>	<u>EVENT TIME INDICATOR</u>		<u>EVENT TIMES</u>	<u>VOL</u>	<u>NA</u>	
<u>2</u>	<u>ACCELEROMETER</u>		<u>HEAD CG</u>	<u>G'S</u>	<u>XL</u>	
<u>3</u>	<u>ACCELEROMETER</u>		<u>HEAD CG</u>	<u>G'S</u>	<u>YL</u>	
<u>4</u>	<u>ACCELEROMETER</u>		<u>HEAD CG</u>	<u>G'S</u>	<u>ZL</u>	
<u>5</u>	<u>LOAD CELL</u>		<u>FEMUR - LEFT</u>	<u>NWT</u>	<u>ZL</u>	
<u>6</u>	<u>LOAD CELL</u>		<u>FEMUR - RIGHT</u>	<u>NWT</u>	<u>ZL</u>	
<u>7</u>	<u>ACCELEROMETER</u>		<u>CHEST</u>	<u>G'S</u>	<u>XL</u>	
<u>8</u>	<u>ACCELEROMETER</u>		<u>CHEST</u>	<u>G'S</u>	<u>YL</u>	
<u>9</u>	<u>ACCELEROMETER</u>		<u>CHEST</u>	<u>G'S</u>	<u>ZL</u>	
<u>10</u>	<u>ACCELEROMETER</u>		<u>OTHER SENATT</u>	<u>G'S</u>	<u>XL</u>	<u>LOWER THORACIC INSERT</u>
<u>11</u>	<u>ACCELEROMETER</u>		<u>PELVIS - CENTER</u>	<u>G'S</u>	<u>XL</u>	
<u>12</u>	<u>ACCELEROMETER</u>		<u>PELVIS - CENTER</u>	<u>G'S</u>	<u>YL</u>	
<u>13</u>	<u>ACCELEROMETER</u>		<u>PELVIS - CENTER</u>	<u>G'S</u>	<u>ZL</u>	
<u>14</u>	<u>ACCELEROMETER</u>		<u>STERNUM - UPPER</u>	<u>G'S</u>	<u>XL</u>	
<u>15</u>	<u>ACCELEROMETER</u>		<u>STERNUM - LOWER</u>	<u>G'S</u>	<u>XL</u>	
<u>16</u>	<u>ACCELEROMETER</u>		<u>SPINE - UPPER</u>	<u>G'S</u>	<u>XL</u>	
<u>17</u>	<u>DISPLACEMENT TRANSDUCER</u>		<u>CHEST</u>	<u>MM</u>	<u>XL</u>	
<u>18</u>	<u>LOAD CELL</u>		<u>NECK - UPPER</u>	<u>NWT</u>	<u>XL</u>	
<u>19</u>	<u>LOAD CELL</u>		<u>NECK - UPPER</u>	<u>NWT</u>	<u>YL</u>	
<u>20</u>	<u>LOAD CELL</u>		<u>NECK - UPPER</u>	<u>NWT</u>	<u>ZL</u>	

**INSTRUMENTATION INFORMATION  
FOR TEST 3742**

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<i>Curve Number</i>	<i>Sensor Type</i>	<i>Sensor Location</i>	<i>Sensor Attachment</i>	<i>Units</i>	<i>Axis</i>	<i>Instrumentation Comments</i>
<u>21</u>	<u>LOAD CELL</u>		<u>NECK - UPPER</u>	<u>NWM</u>	<u>XL</u>	
<u>22</u>	<u>LOAD CELL</u>		<u>NECK - UPPER</u>	<u>NWM</u>	<u>YL</u>	
<u>23</u>	<u>LOAD CELL</u>		<u>NECK - UPPER</u>	<u>NWM</u>	<u>ZL</u>	

**END  
of  
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