

EA12-005

CHRYSLER

12/13/2012

Enclosure 6A

Compliance Crash Test

KJ - Liberty- Compliance Test

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
TEST DATE 01/29/01

TEST PURPOSE PRIMARY, 2002 USA 301 COMPLIANCE.
 SECONDARY, 2002 TRIAS-33 COMPLIANCE

IMPACT TYPE TARGET SPEED; 30.0 MPH
 DAMAGE LOCATION; REAR CENTER
 BARRIER TYPE; REAR TYPE IV
 BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
 CAR LINE; J
 BODY; 74
 ENGINE; 3.7 LITRE
 ENGINE NOTE; ELECTRONIC FUEL INJECTION
 TRANSMISSION; 4 SPEED AUTO ELECTRONIC 4x4
 TRANS. NOTE;
 VIN AS TESTED; 1J8GL48K92W [REDACTED] MOD.
 VIN AS BUILT; 1J8GL48K92W [REDACTED] MOD.

TEST SPEED 30.4 MPH BY ELECTRONIC TRAP TIMER.

TEST WEIGHT (LBS) 4883 TOTAL, 2600 FRONT, 2283 REAR

OCCUPANTS LEFT FRONT, HII BALLAST AD-70
 RESTRAINT-BELTS ONLY
 RIGHT FRONT, HII BALLAST AD-60
 RESTRAINT-BELTS ONLY

BUILD CONDITION 2002 DESIGN INTENT SWING GATE HANDLE W/146G C/B
 AND ANTI-ROTATION FINGER
 ORC CALIBRATION N
 MODIFY WELDS @ SPLICE JOINT TO PRODUCTION INTENT
 2002 PRODUCTION INTENT EXHAUST FLANGE
 2002 DESIGN INTENT FUEL LINES

TARGET WEIGHT (LBS) 4233 LBS TOTAL, 2235 LBS FRONT, 1998 LBS REAR
 REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
 WITHOUT OCCUPANTS OR LUGGAGE
 (TARGET TEST WEIGHT 4863 = 4233 + 330 + 300)

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 02

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
TEST DATE 01/29/01

FUEL AND BALLAST 17.5 GALLONS OF STODDARD SOLVENT
 300 LBS
 50 LBS LF FLOOR
 100 LBS RF FLOOR
 100 LBS LR SEAT
 100 LBS RR SEAT

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA
 C = HIGH SPEED FILM D = ENGINEER'S REPORT
 E = DUMMY KINEMATICS F = STEERING COLUMN
 G = UNDERBODY H = A-POST
 I = DYNAMIC CRUSH J = ENGINE COMPARTMENT
 K = DOOR CRUSH L = FORCE/CRUSH/ENERGY
 M = SPECIAL N = CATALOG EDP DATA
 * = REPORT REQUESTOR

DISTRIBUTION A. STEFANGO 514-17-39 (AB)
 M. STEBELTON 422-05-01 (AB)

DATE 01/29/01 TIME 15:35:37.

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

ITEM KJ9472 CHARGE NO. 02 ISSUE DATE 01/02/01

VC 9026 30 MPH REAR MOVING BARRIER, KJJ-74
2002 MVSS REAR IMPACT COMPLIANCE

TEST DATE 1/29/01 ENGINEER COLLINGS-BLASKA
SPEED 30.4 MPH SOURCE TRAP

TEST PURPOSE PRIMARY, 2002 USA 301 COMPLIANCE.
SECONDARY, 2002 TRIAS-33 COMPLIANCE

IMPACT TYPE TARGET SPEED; 30.0 MPH
DAMAGE LOCATION; REAR CENTER
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; J
BODY; 74
ENGINE; 3.7 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 4 SPEED AUTO ELECTRONIC 4x4
TRANS. NOTE;
VIN AS TESTED; 1J8GL48K92W [REDACTED] MOD.
VIN AS BUILT; 1J8GL48K92W [REDACTED] MOD.

BUILD CONDITION 2002 DESIGN INTENT SWING GATE HANDLE W/146G C/B
AND ANTI-ROTATION FINGER
ORC CALIBRATION N
MODIFY WELDS @ SPLICE JOINT TO PRODUCTION INTENT
2002 PRODUCTION INTENT EXHAUST FLANGE
2002 DESIGN INTENT FUEL LINES

TARGET WEIGHT (LBS) 4233 LBS TOTAL, 2235 LBS FRONT, 1998 LBS REAR
REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
WITHOUT OCCUPANTS OR LUGGAGE
(TARGET TEST WEIGHT 4863 = 4233 + 330 + 300)

TEST WEIGHT (LBS) 4853 TOTAL, 2600 FRONT, 2253 REAR

FUEL BALLAST 17.5 GALLONS OF STODDARD SOLVENT

LUGGAGE BALLAST 300 LBS

OTHER BALLAST 50# LF FLOOR 100# RF FLOOR
100# LR SEAT 100# RR SEAT

POST TEST REMARKS

DAIMLERCHRYSLER
 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

OCCUPANTS

LEFT FRONT, HII BALLAST
 RESTRAINT-BELTS ONLY
 RIGHT FRONT, HII BALLAST
 RESTRAINT-BELTS ONLY

AD NO 70AD NO 60

MECHANICAL REQ

TARGET VEHICLE PER 02KJ THIRD SHEETS FOR REAR
 IMPACTS (UNDERBODY AND LEFT SIDE)
 PLACE TARGETS ON TOP, LT AND RT SIDE OF SPARE TIRE
 THAT WILL BE VISIBLE IN CAMERA VIEWS
 PAINT REAR GATE HANDLE TO ENSURE ANY MOVEMENT IS
 VISIBLE IN FILM
 POSITION DRIV AND PASS SEATS IN MID POSITION
 ENSURE SPARE TIRE, SWING GATE & FLIPPER GLASS
 REMAIN IN PLACE FOR TEST
 ENSURE PARKING BRAKE IS DISENGAGED AND TRANS IS
 IN NEUTRAL
 MEASURE VEHICLE ATTITUDE AS RECEIVED AND WHEN
 TESTED
 PRESSURE TEST PRE-TEST WITH PUMP RUNNING
 FUEL PUMP TO BE RUNNING DURING TEST
 STATIC ROLL VEHICLE POST TEST
 PAINT RAILS & REAR UNDERBODY COMPONENTS INCLUDING
 FUEL FILLER LINE, PASS THRU HOLE IN RAIL, FUEL
 TNAK CANISTER, REAR SUSPENSION, REAR BUMPER,
 OVOR CANISTER, LINES AND EQUIPMENT, ETC. IN
 CONTRASTING COLORS FOR UNDERBODY VIEW

INSTRUMENTATION REQ

LEFT & RIGHT RAIL FWD RR CTRL ARM X,Z (4)
 LEFT & RIGHT RAIL MID TANK X,Z (4)
 FUEL TANK RAIL PASS THRU X,Y,Z (3)
 FUEL TANK BOTTOM CTR (GLUE ON) X,Y,Z (3)
 SWINGGATE ABOVE DOOR HANDLE X,Z (2)
 ORC TOP FRONT LEFT X,Y,Z (3)
 DRIVER SQUIB EVENT (1)
 LEFT & RIGHT FRONT SILLS X,Z (4)
 LEFT & RIGHT REAR SILLS X,Z (4)
 ENSURE DRIV & PASS AIRBAGS, SIDE CURTAINS &
 PRETENSIONERS DO NOT DEPLOY

DAIMLERCHRYSLER
 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

PHOTOGRAPHIC REQ

1-VELOCITY CAMERA
 1-LEFT OVERALL (DYNAMIC CRUSH)
 1-RIGHT OVERALL
 2-PIT CAMERAS FOR REAR UNDERBODY ANALYSIS
 1-LT SIDE CLOSE UP OF FUEL FILLER AREA FROM PIT
 2-LT & RT CLOSE-UP OF REAR QUARTERS OF VEHICLE
 ALL CAMERAS TO HAVE DIGITAL TIMING IF POSSIBLE
 PRE & POST TEST PHOTOS OF OVERALL & UNDERBODY
 (REAR), FRAME RAILS, FUEL TANK/REAR AXLE AREA,
 ETC.
 PHOTOS OF ALL INSTRUMENTATION

FILM ANALYSIS

REAR DYNAMIC CRUSH - IF REQUESTED
 REAR UNDERBODY ANALYSIS - IF REQUESTED
 VEHICLE VELOCITY - IF REQUESTED

REMARKS

TEST REQUESTER: ANNE STEFANGO 733-5368
 MAKE 1 COPY OF FILM AND VIDEO
 SEND TO ANNE STEFANGO 514-17-39
 PLEASE RETURN VEHICLE TO PROC ATTN: PAM MORTON

T. E. REPORT

FUEL SYSTEM REPORT REQUIRED

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

DISTRIBUTION

A. STEFANGO	514-17-39 (AB)
M. STEBELTON	422-05-01 (AB)

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 04

*****CHANGED 01/10/01 10:08 STEFANGO SUPPLEMENT 01

VEHICLE

MODIFY	VIN AS TESTED;	W	00223	MOD.
TO READ	VIN AS TESTED;	1J8GL48K92W		MOD.
MODIFY	VIN AS BUILT;	W	00223	MOD.
TO READ	VIN AS BUILT;	1J8GL48K92W		MOD.

*****CHANGED 01/10/01 10:10 STEFANGO SUPPLEMENT 02

INSTRUMENTATION REQ

ADD	LEFT & RIGHT FRONT SILLS X,Z (4)
ADD	LEFT & RIGHT REAR SILLS X,Z (4)

*****CHANGED 01/18/01 15:13 STEFANGO SUPPLEMENT 03

BUILD CONDITION

ADD	2002 PRODUCTION INTENT EXHAUST FLANGE
ADD	2002 DESIGN INTENT FUEL LINES

MECHANICAL REQ

DELETE	PRESSURE CHECK POST TEST
--------	--------------------------

*****CHANGED 01/26/01 10:11 STEFANGO SUPPLEMENT 04

TEST PURPOSE

ADD	SECONDARY, 2002 TRIAS-33 COMPLIANCE
-----	-------------------------------------

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 03

ITEM KJ9472 CHARGE NO. 02 ISSUE DATE 01/02/01

VC 9026 30 MPH REAR MOVING BARRIER, KJJ-74
2002 MVSS REAR IMPACT COMPLIANCE

TEST DATE

____/____/____ ENGINEER Collings - Blaska
SPEED _____ MPH SOURCE _____

TEST PURPOSE

PRIMARY, 2002 USA 301 COMPLIANCE.

IMPACT TYPE

TARGET SPEED; 30.0 MPH
DAMAGE LOCATION; REAR CENTER
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE

BODY CLASS; KJ
CAR LINE; J
BODY; 74
ENGINE; 3.7 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 4 SPEED AUTO ELECTRONIC 4x4
TRANS. NOTE;
VIN AS TESTED; 1J8GL48K92W [REDACTED] MOD.
VIN AS BUILT; 1J8GL48K92W [REDACTED] MOD.

BUILD CONDITION

2002 DESIGN INTENT SWING GATE HANDLE W/146G C/B
AND ANTI-ROTATION FINGER
ORC CALIBRATION N
MODIFY WELDS @ SPLICE JOINT TO PRODUCTION INTENT
2002 PRODUCTION INTENT EXHAUST FLANGE
2002 DESIGN INTENT FUEL LINES

TARGET WEIGHT (LBS)

4233 LBS TOTAL, 2235 LBS FRONT, 1998 LBS REAR
REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
WITHOUT OCCUPANTS OR LUGGAGE
(TARGET TEST WEIGHT 4863 = 4233 + 330 + 300)

TEST WEIGHT (LBS)

24883 TOTAL, 2600 FRONT, 2283 REAR

FUEL BALLAST

17.5 GALLONS OF STODDARD SOLVENT

LUGGAGE BALLAST

300 LBS

OTHER BALLAST

50# LF FLOOR + 100# RF FLOOR
100# LR + 100# RR SEAT

POST TEST REMARKS

DAIMLERCHRYSLER
 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 03

OCCUPANTS

LEFT FRONT, HII BALLAST
 RESTRAINT-BELTS ONLY
 RIGHT FRONT, HII BALLAST
 RESTRAINT-BELTS ONLY

AD NO 70AD NO 60

MECHANICAL REQ

TARGET VEHICLE PER 02KJ THIRD SHEETS FOR REAR
 IMPACTS (UNDERBODY AND LEFT SIDE)
 PLACE TARGETS ON TOP, LT AND RT SIDE OF SPARE TIRE
 THAT WILL BE VISIBLE IN CAMERA VIEWS
 PAINT REAR GATE HANDLE TO ENSURE ANY MOVEMENT IS
 VISIBLE IN FILM
 POSITION DRIV AND PASS SEATS IN MID POSITION
 ENSURE SPARE TIRE, SWING GATE & FLIPPER GLASS
 REMAIN IN PLACE FOR TEST
 ENSURE PARKING BRAKE IS DISENGAGED AND TRANS IS
 IN NEUTRAL
 MEASURE VEHICLE ATTITUDE AS RECEIVED AND WHEN
 TESTED
 PRESSURE TEST PRE-TEST WITH PUMP RUNNING
 FUEL PUMP TO BE RUNNING DURING TEST
 STATIC ROLL VEHICLE POST TEST
 PAINT RAILS & REAR UNDERBODY COMPONENTS INCLUDING
 FUEL FILLER LINE, PASS THRU HOLE IN RAIL, FUEL
 TNAK CANISTER, REAR SUSPENSION, REAR BUMPER,
 OVOR CANISTER, LINES AND EQUIPMENT, ETC. IN
 CONTRASTING COLORS FOR UNDERBODY VIEW

INSTRUMENTATION REQ

LEFT & RIGHT RAIL FWD RR CTRL ARM X,Z (4)
 LEFT & RIGHT RAIL MID TANK X,Z (4)
 FUEL TANK RAIL PASS THRU X,Y,Z (3)
 FUEL TANK BOTTOM CTR (GLUE ON) X,Y,Z (3)
 SWINGGATE ABOVE DOOR HANDLE X,Z (2)
 ORC TOP FRONT LEFT X,Y,Z (3)
 DRIVER SQUIB EVENT (1)
 LEFT & RIGHT FRONT SILLS X,Z (4)
 LEFT & RIGHT REAR SILLS X,Z (4)
 ENSURE DRIV & PASS AIRBAGS, SIDE CURTAINS &
 PRETENSIONERS DO NOT DEPLOY

DAIMLERCHRYSLER
 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 03

PHOTOGRAPHIC REQ

1-VELOCITY CAMERA
 1-LEFT OVERALL (DYNAMIC CRUSH)
 1-RIGHT OVERALL
 2-PIT CAMERAS FOR REAR UNDERBODY ANALYSIS
 1-LT SIDE CLOSE UP OF FUEL FILLER AREA FROM PIT
 2-LT & RT CLOSE-UP OF REAR QUARTERS OF VEHICLE
 ALL CAMERAS TO HAVE DIGITAL TIMING IF POSSIBLE
 PRE & POST TEST PHOTOS OF OVERALL & UNDERBODY
 (REAR), FRAME RAILS, FUEL TANK/REAR AXLE AREA,
 ETC.
 PHOTOS OF ALL INSTRUMENTATION

FILM ANALYSIS

REAR DYNAMIC CRUSH - IF REQUESTED
 REAR UNDERBODY ANALYSIS - IF REQUESTED
 VEHICLE VELOCITY - IF REQUESTED

REMARKS

TEST REQUESTER: ANNE STEFANGO 733-5368
 MAKE 1 COPY OF FILM AND VIDEO
 SEND TO ANNE STEFANGO 514-17-39
 PLEASE RETURN VEHICLE TO PROC ATTN: PAM MORTON

T. E. REPORT

FUEL SYSTEM REPORT REQUIRED

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

DISTRIBUTION

A. STEFANGO	514-17-39 (AB)
M. STEBELTON	422-05-01 (AB)

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 03

*****CHANGED 01/10/01 10:08 STEFANGO SUPPLEMENT 01

VEHICLE

MODIFY	VIN AS TESTED;	W	00223	MOD.
	TO READ VIN AS TESTED;	1J8GL48K92W		MOD.
MODIFY	VIN AS BUILT;	W		MOD.
	TO READ VIN AS BUILT;	1J8GL48K92W		MOD.

*****CHANGED 01/10/01 10:10 STEFANGO SUPPLEMENT 02

INSTRUMENTATION REQ

ADD	LEFT & RIGHT FRONT SILLS X, Z (4)
ADD	LEFT & RIGHT REAR SILLS X, Z (4)

*****CHANGED 01/18/01 15:13 STEFANGO SUPPLEMENT 03

BUILD CONDITION

ADD	2002 PRODUCTION INTENT EXHAUST FLANGE
ADD	2002 DESIGN INTENT FUEL LINES

MECHANICAL REQ

DELETE	PRESSURE CHECK POST TEST
--------	--------------------------

VEHICLE ATTITUDE

TEST NUMBER VC9026

TEST ENGINEER COLLINGS

ITEM NUMBER KJ9472

TEST DATE __/__/__

_____ FENDER/WHEELWELL HEIGHTS

_____ SILL HEIGHTS

AS RECEIVED

AS BUILT-UP

AS TESTED

	LF	LR	RF	RR
AS RECEIVED	32.8	33.5	32.6	33.3
AS BUILT-UP				
AS TESTED	31.6	32.1	31.4	31.9

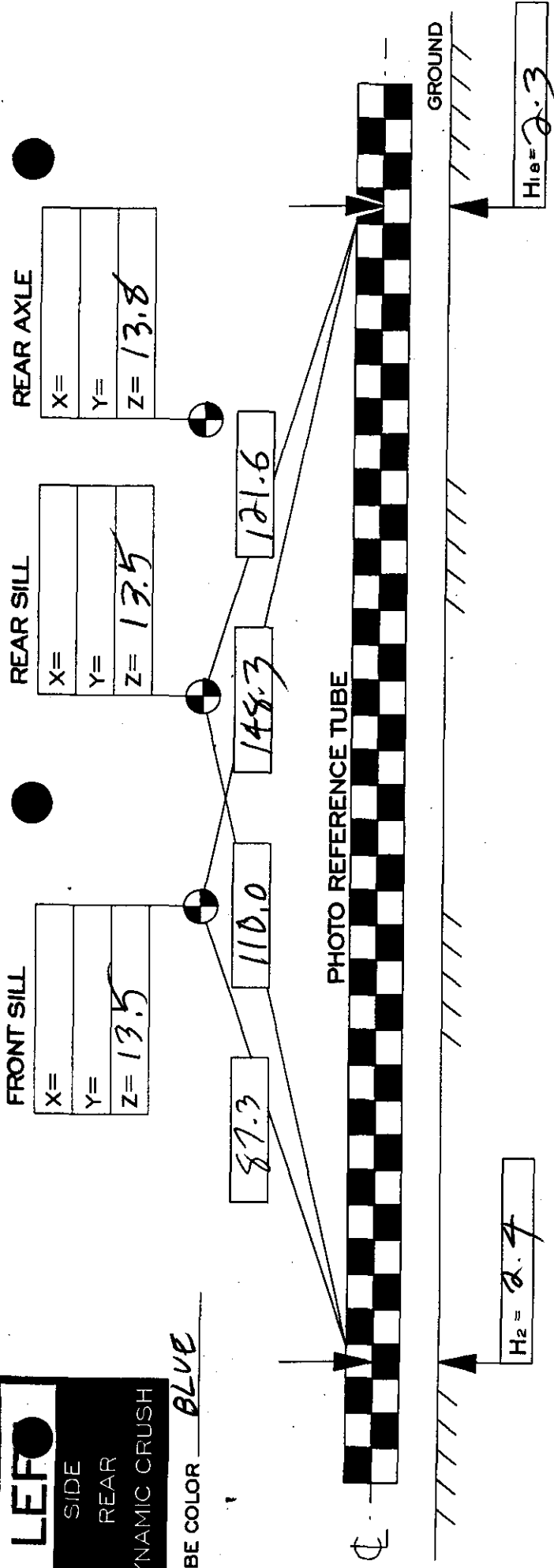


TUBE COLOR BLUE

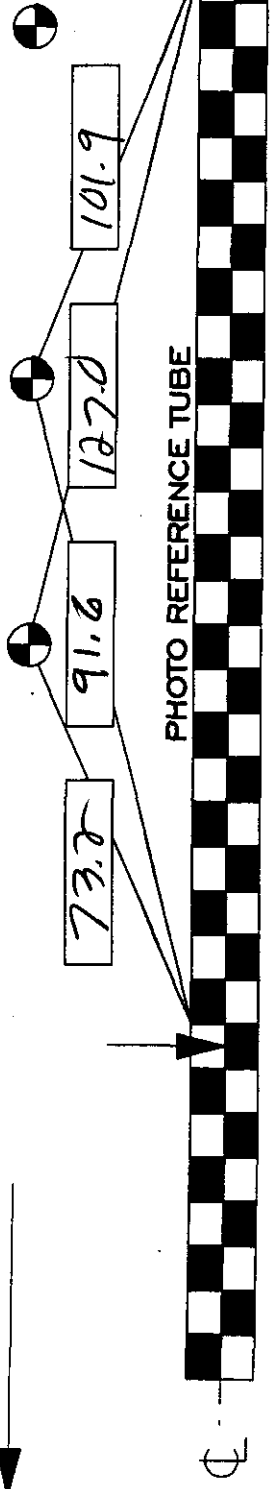
FRONT SILL
 X=
 Y=
 Z= 13.5

REAR SILL
 X=
 Y=
 Z= 13.5

REAR AXLE
 X=
 Y=
 Z= 13.8



FORWARD



CAMERA LATERAL TO LENS MOUNT
 (MEASURE TO EAST EDGE OF WEST WALKWAY @ -526.4")

-526.4 INCHES

H4 = 2.7

H1e = 2.7

NOTES:

1. THE Z DIMENSION FOR THE SILL TARGETS AND REAR AXLE MUST BE RETAKEN AT THE TEST SITE
2. IF OTHER TUBE POINTS ARE USED, SO INDICATE

FOR REAR IMPACT TESTS - DIMENSIONING BETWEEN SILL TARGETS AND PHOTO REFERENCE TUBE
 TEST ENGR COLLING
 VC 9026

X, Y, Z DIMENSIONS

TEST NUMBER VC9026

TEST ENGINEER COLLINGS

ITEM NUMBER KJ9472 V.I.N. 1J8GL48K92W

TEST DATE ___/___/___

TEST TYPE: 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

100" LINE

LOCATION	X	Y	Z	LOCATION	X	Y	Z
BC1	—	0.0	XXXX	BC2	173.2	0.0	XXXX
B1	165.4	-19.5	XXXX	B2	165.3	19.6	XXXX
U1	14.5	16.6	11.4	U2	14.8	18.3	11.2
U3	123.8	-7.8	19.6	U4	124.0	7.3	18.6
U5	131.5	-0.2	9.0	U6	145.2	18.9	22.9
U7	138.2	-19.6	23.0	U8	144.7	4.4	12.1
U9	145.0	-3.5	12.2	U10	151.4	4.5	12.2
U11	151.3	-3.4	12.2	U12	155.4	18.9	22.9
U13	155.6	-16.6	22.8				
UC1	163.3	-0.3	17.8				
LFS	59.9	-32.1	13.6				
LMS	90.3	-33.2	13.7				
LAP	57.3	50- -33.9	47.1				
LRA	37.8	50- -34.5	13.7				

TRAMMEL DIMENSIONS

LFS-LMS PRE 30.41
 POST N/A

TEST HGT

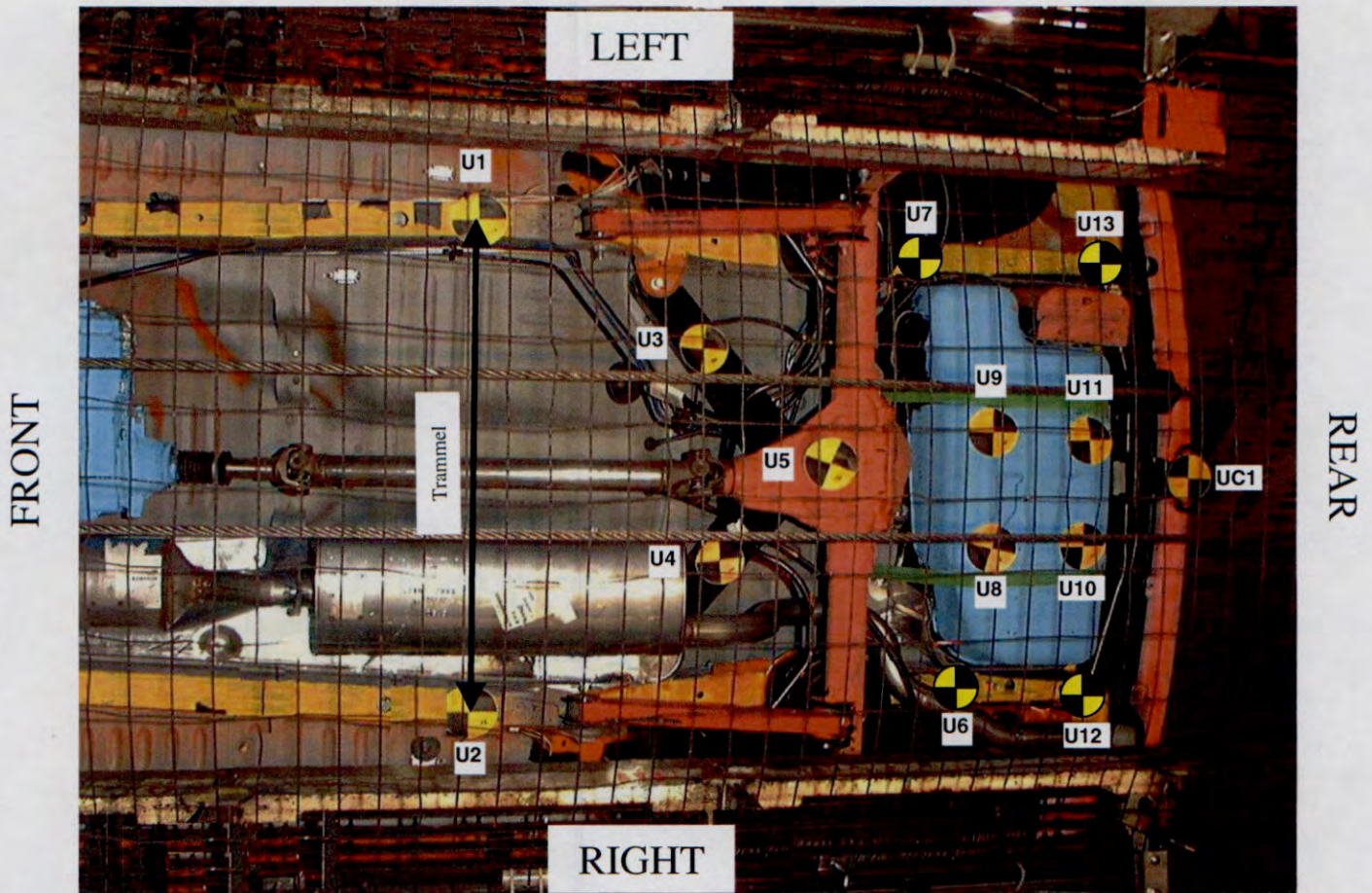
LF 31.6
 LR 32.1
 RF 31.4
 RR 31.9

Program: 02KJ

VC9026 ; Item No. KJ9472

REAR UNDERBODY FOR ALL REAR IMPACTS

Visibility Approved: DGL / 05/03/1999
Approved for CPG Use: GAB / 05/03/1999
Impact Analysis Engineer: DCC / 01/21/2000
DCC T/L: 722-1918; PAGER: 313-709-9150



Guidelines to Placement of Critical Targets:

ITEM	COMMENTS
U1 & U2	5.5" IN FRONT OF FORWARD EDGE OF CONTROL ARM MOUNTING BRACKET.
U3 & U4	CENTER OF UPPER SWING ARMS.
U5	ON CENTER OF REAR DIFFERENTIAL
U12 & U13	END OF RAILS AT REAR BUMPER CROSSMEMBER
U6	14" FORE OF U12
U7	ON LEFT RAIL 16" FORWARD OF U13
U8,U9,U10 & U11	IN SQUARE PATTERN, INSIDE STRAPS ON BOTTOM SURFACE OF THE FUEL TANK
UC1	CENTERED ON REAR BUMPER CROSSMEMBER

1/8/01

CONFIDENTIAL

Version: 5

Last Revised: 09/18/00

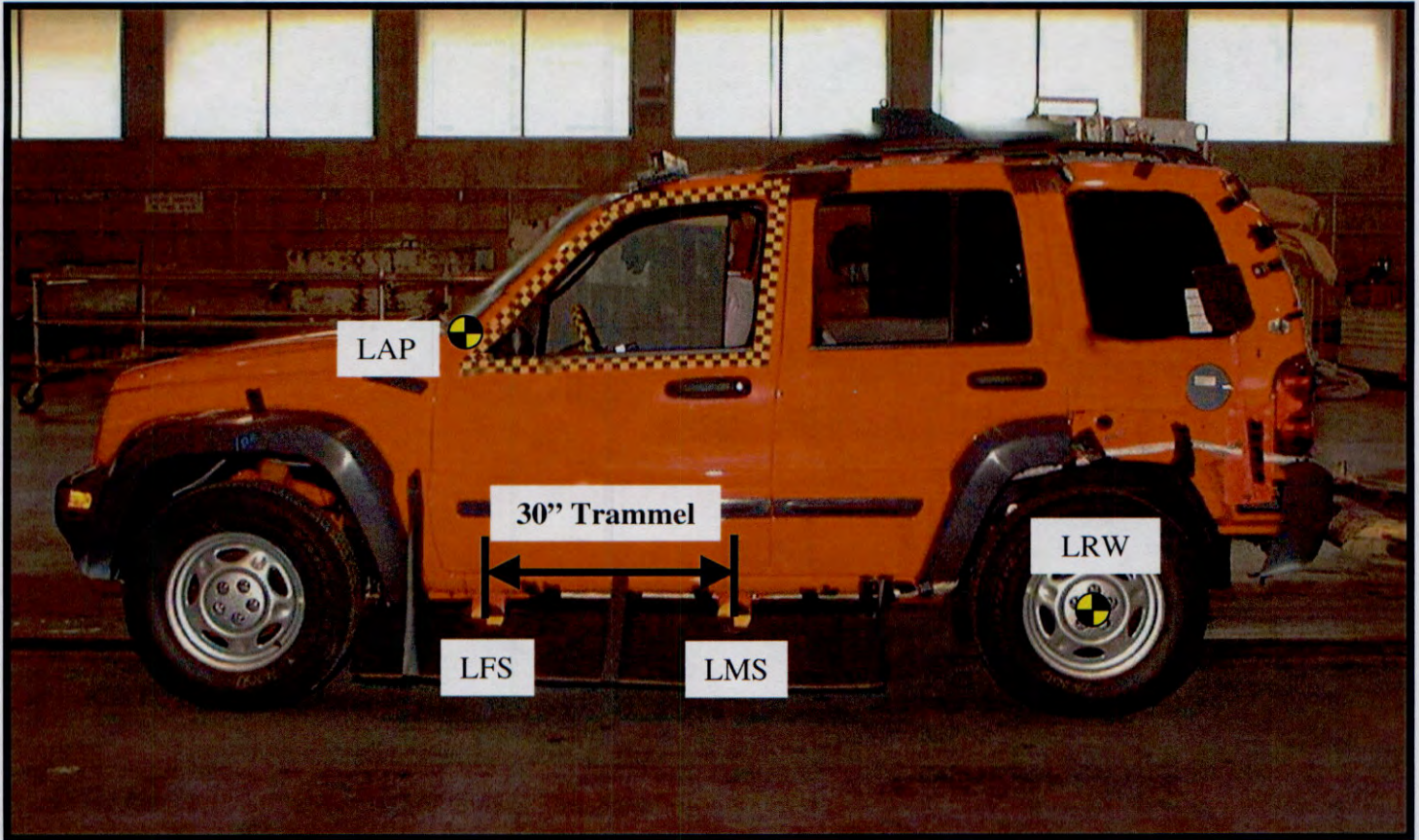
EA12-005- Chrysler -002889

Program: 02KJ

VC9026 ; Item No. KJ9472

**LEFT SIDE
FOR ALL REAR IMPACTS**

Visibility Approved: DGL / 05/03/1999
Approved for CPG Use: GAB / 05/03/1999
Impact Analysis Engineer: DCC / 01/21/2000
DCC T/L: 722-1918; PAGER: 313-709-9150



Guidelines to Placement of Critical Targets:

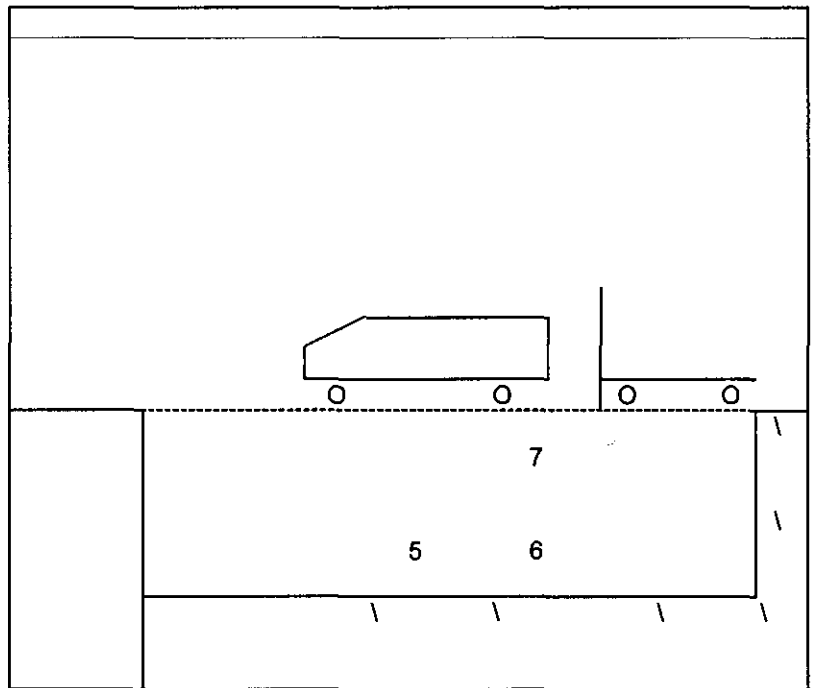
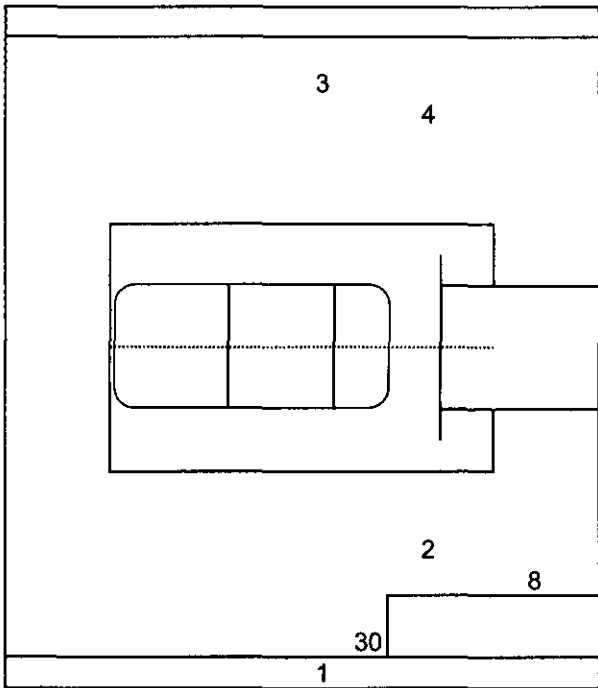
ITEM	COMMENTS
LMS	BOTTOM OF B-POST ON SILL
LRS	30" FORE OF LMS
LRW	CENTER OF REAR WHEEL

1/8/01

CONFIDENTIAL

Version: 5

EA12-005- Chrysler -002890
Last Revised: 09/18/00



TEST NUMBER:	VC9026	VEHICLE TYPE:	KJ
TEST TYPE:	30 MPH REAR TYPE IV IMPACT	TEST ENGINEER:	COLLINGS
REQUEST DATE:	01/10/01		

#	VIEW DESCRIPTION A=ANALYSIS	CAM S/N	LENS FL	LENS S/N	LENS MFG.	F - STP	PNL	SKT	CBL	MISC
1	A LT - DYNAMIC CRUSH	428	18MM	116693	KIN					
2	T LT - SWING GATE & SPARE (HDRS)	1873	35MM	111305	KIN					
3	RIGHT OVERALL	1874	13MM	105426	KIN					
4	T RT - SWING GATE HANDLE (HDRS)	283	ZOOM	#3	CAN					
5	A PIT - SOUTH	432	13MM	13-7	COS	4 1/4				
6	A PIT - NORTH	431	13MM	13-4	COS	4 1/4				
*7	T PIT - FUEL TANK & FILL TUBE (HDRS)	284	ZOOM	#5	CAN					
8	A VELOCITY	286	100MM	B2088	LGT	8				
30	V EKTAPRO - LEFT OVERALL	EKTA	ZOOM	#1	CAN	8				
	W/O: (1) PRINT, (1) VHS									
	TO: A. STEFANGO									

D:D Not Rec

1/29/01

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC9026, ITEM NUMBER KJ9472, TEST ENGINEER COLLINGS

V.I.N. 1J8GL48K92W [REDACTED], TEST DATE 1/29/01, ROLL DATE 1/30/01

TEST TYPE; 30 MPH TYPE IV REAR MOVING BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 17.5 GALLONS

TEST SPEED 30.4 MPH, TEST WEIGHT 4883 POUNDS.

POST IMPACT LEAKAGE (OZ); AT IMPACT 0

1ST 5 MIN. 0

NEXT 25 MIN. 0

POST TEST PRESSURE CHECK N/A

ELECTRIC FUEL PUMP RUN N/A

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE LEFT SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME					TOTAL	
0-90	1ST 5 MIN				0	*
<u>1:55</u>	POST 5 MIN				0	**
90-180	1ST 5 MIN				0	*
<u>1:57</u>	POST 5 MIN				0	**
180-270	1ST 5 MIN				0	*
<u>1:58</u>	POST 5 MIN				0	**
270-360	1ST 5 MIN				0	*
<u>2:00</u>	POST 5 MIN				0	**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS _____

LAST FORM MODIFICATION 08/22/96 - GAB (TESTOBS896, DOCVCFORMS)

DATE 01/30/01
TIME 10:26:43.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC09026 ITEM KJ9472
VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
TEST DATE 01/29/01

FILED FEB 7 2001

TEST PURPOSE PRIMARY, 2002 USA 301 COMPLIANCE.
SECONDARY, 2002 TRIAS-33 COMPLIANCE

IMPACT TYPE TARGET SPEED; 30.0 MPH
DAMAGE LOCATION; REAR CENTER
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; J
BODY; 74
ENGINE; 3.7 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 4 SPEED AUTO ELECTRONIC 4x4
TRANS. NOTE;
VIN AS TESTED; 1J8GL48K92W [REDACTED] MOD.
VIN AS BUILT; 1J8GL48K92W [REDACTED] MOD.

TEST SPEED 30.4 MPH BY ELECTRONIC TRAP TIMER.

TEST WEIGHT (LBS) 4883 TOTAL, 2600 FRONT, 2283 REAR

OCCUPANTS LEFT FRONT, HII BALLAST AD-70
RESTRAINT-BELTS ONLY
RIGHT FRONT, HII BALLAST AD-60
RESTRAINT-BELTS ONLY

BUILD CONDITION 2002 DESIGN INTENT SWING GATE HANDLE W/146G C/B
AND ANTI-ROTATION FINGER
ORC CALIBRATION N
MODIFY WELDS @ SPLICE JOINT TO PRODUCTION INTENT
2002 PRODUCTION INTENT EXHAUST FLANGE
2002 DESIGN INTENT FUEL LINES

TARGET WEIGHT (LBS) 4233 LBS TOTAL, 2235 LBS FRONT, 1998 LBS REAR
REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
WITHOUT OCCUPANTS OR LUGGAGE
(TARGET TEST WEIGHT 4863 = 4233 + 330 + 300)

FUEL AND BALLAST 17.5 GALLONS OF STODDARD SOLVENT
300 LBS
50 LBS LF FLOOR
100 LBS RF FLOOR
100 LBS LR SEAT
100 LBS RR SEAT

DATE 01/30/01
TIME 10:26:43.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC09026 ITEM KJ9472
VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
TEST DATE 01/29/01

EDP TECHNICIAN S. MARCHENIA

No. of Pages 50
CC

M. STEBELTON 422-05-01
A. STEFANGO 514-17-39

TITLE: Page Index of EDP plots Pages 001 - 050
***** VC09026A *****
TITLE: Transducer Summary Reports Pages 001 - 005
PAGE: 001 TSR Channels 001 - 008
PAGE: 002 TSR Channels 009 - 016
PAGE: 003 TSR Channels 017 - 024
PAGE: 004 TSR Channels 025 - 028
PAGE: 005 TSR Channels 033 - 034

Page I-01

***** VC09026B *****
TITLE: Vehicle Channels Pages 006 - 046
PAGE: 006 Average of Sill Chls 20, 22, 24, & 26
PAGE: 007 Average of Frt Sill Chls 20 & 22
PAGE: 008 LT RL FWD RR CTRL ARM X, Chl 1
PAGE: 009 LT RL FWD RR CTRL ARM X, Chl 1, VD
PAGE: 010 LT RL FWD RR CTRL ARM Z, Chl 2
PAGE: 011 RT RL FWD RR CTRL ARM X, Chl 3
PAGE: 012 RT RL FWD RR CTRL ARM X, Chl 3, VD
PAGE: 013 RT RL FWD RR CTRL ARM Z, Chl 4
PAGE: 014 LT RAIL MID TANK X, Chl 5
PAGE: 015 LT RAIL MID TANK X, Chl 5, VD
PAGE: 016 LT RAIL MID TANK Z, Chl 6
PAGE: 017 RT RAIL MID TANK X, Chl 7
PAGE: 018 RT RAIL MID TANK X, Chl 7, VD
PAGE: 019 RT RAIL MID TANK Z, Chl 8
PAGE: 020 FUEL TANK RL PASS-THRUX, Chl 9
PAGE: 021 FUEL TANK RL PASS-THRUX, Chl 9, VD
PAGE: 022 FUEL TANK RL PASS-THRUZ, Chl 10
PAGE: 023 FUEL TANK RL PASS-THRUZ, Chl 11
PAGE: 024 FUEL TANK BTM CTR X, Chl 12
PAGE: 025 FUEL TANK BTM CTR X, Chl 12, VD
PAGE: 026 FUEL TANK BTM CTR Y, Chl 13
PAGE: 027 FUEL TANK BTM CTR Z, Chl 14
PAGE: 028 SWINGGATE ABV DR HANDLX, Chl 15
PAGE: 029 SWINGGATE ABV DR HANDLX, Chl 15, VD
PAGE: 030 SWINGGATE ABV DR HANDLZ, Chl 16
PAGE: 031 ORC TOP FT LT X, Chl 17
PAGE: 032 ORC TOP FT LT X, Chl 17, VD
PAGE: 033 ORC TOP FT LT Y, Chl 18
PAGE: 034 ORC TOP FT LT Z, Chl 19
PAGE: 035 LEFT FRONT SILL X, Chl 20
PAGE: 036 LEFT FRONT SILL X, Chl 20, VD
PAGE: 037 LEFT FRONT SILL Z, Chl 21
PAGE: 038 RIGHT FRONT SILL X, Chl 22
PAGE: 039 RIGHT FRONT SILL X, Chl 22, VD
PAGE: 040 RIGHT FRONT SILL Z, Chl 23
PAGE: 041 LEFT REAR SILL X, Chl 24
PAGE: 042 LEFT REAR SILL X, Chl 24, VD
PAGE: 043 LEFT REAR SILL Z, Chl 25
PAGE: 044 RIGHT REAR SILL X, Chl 26
PAGE: 045 RIGHT REAR SILL X, Chl 26, VD
PAGE: 046 DRIVER SQUIB EVENT, Chl 28, Event

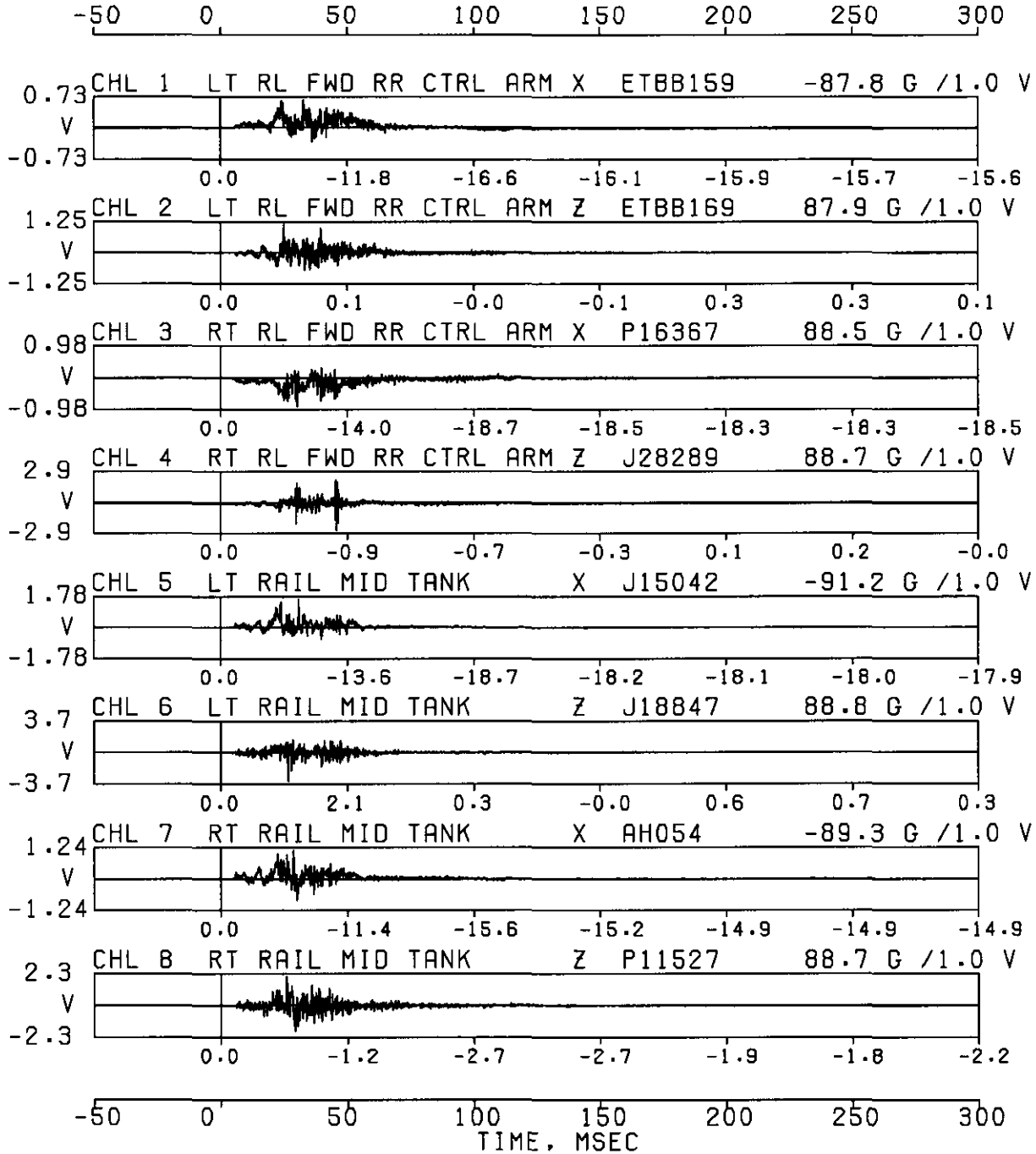
N

***** VC09026C *****
TITLE: Moving barrier Channels Pages 047 - 050
PAGE: 047 LT RAIL MBAR MID X Chl 33
PAGE: 048 LT RAIL MBAR MID X, Chl 33, VD
PAGE: 049 RT RAIL MBAR MID X Chl 34
PAGE: 050 RT RAIL MBAR MID X, Chl 34, VD

TRANSDUCER SUMMARY REPORT

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
 2002 MVSS REAR IMPACT COMPLIANCE
 IMPACT ANALYSIS DEPT. 5320
 JAN 30, 2001

PAGE 001
 OF 050
 DATA SET 01/29/01BG
 ERRATA 1



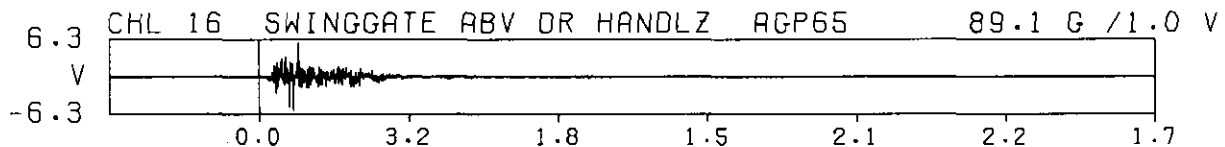
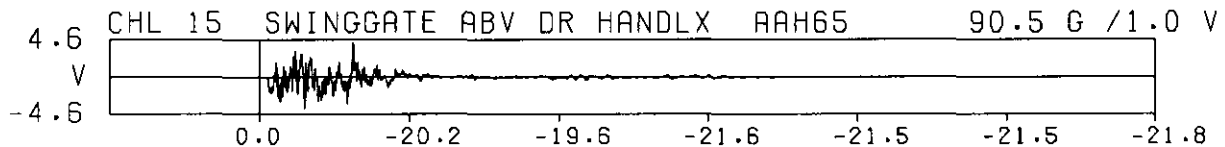
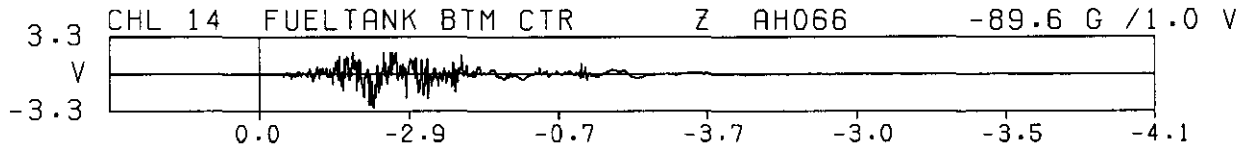
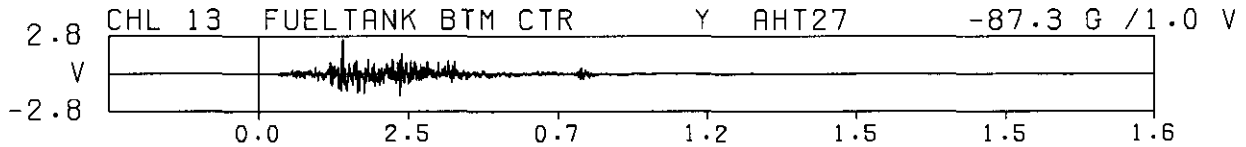
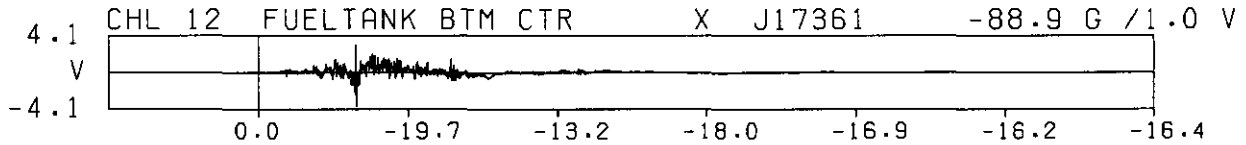
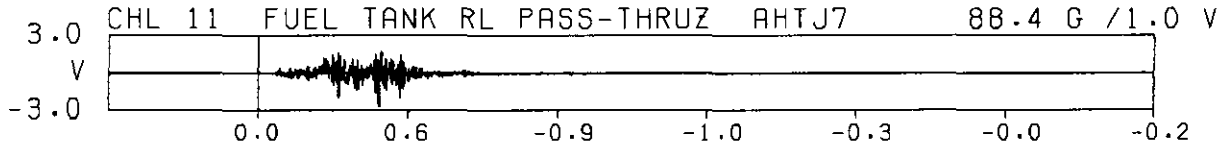
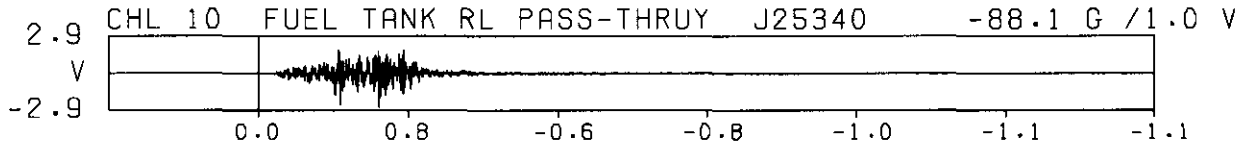
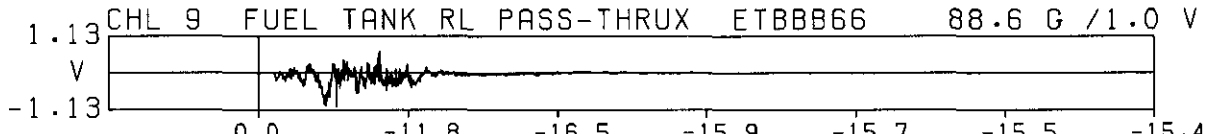
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC09026 30 MPH REAR MOVING BARRIER. KJJ-74 ITEM KJ9472
 2002 MVSS REAR IMPACT COMPLIANCE
 IMPACT ANALYSIS DEPT. 5320
 JAN 30, 2001

PAGE 002
 OF 050
 DATA SET 01/29/01BG
 ERRATA 1

-50 0 50 100 150 200 250 300



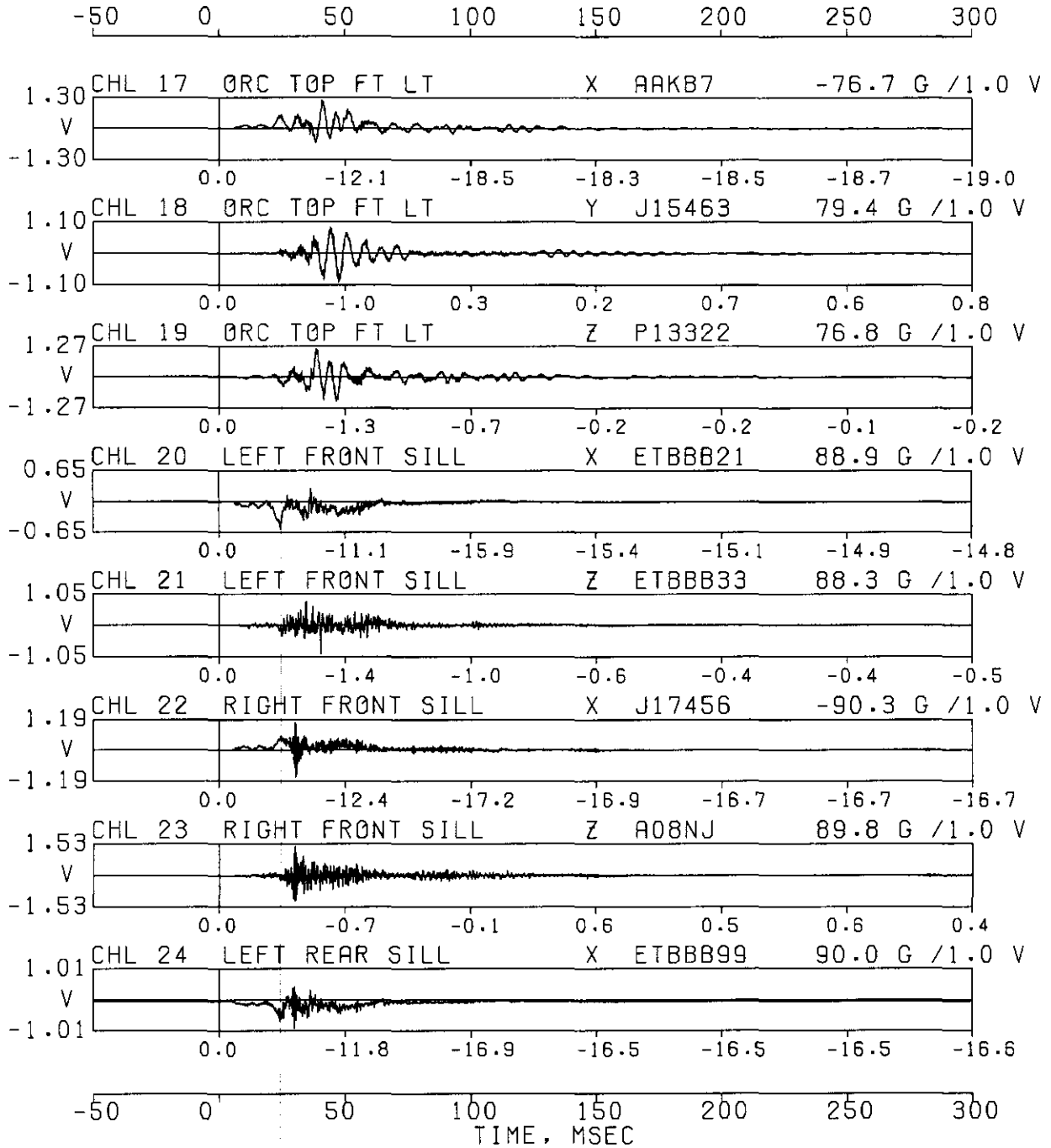
-50 0 50 100 150 200 250 300
 TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

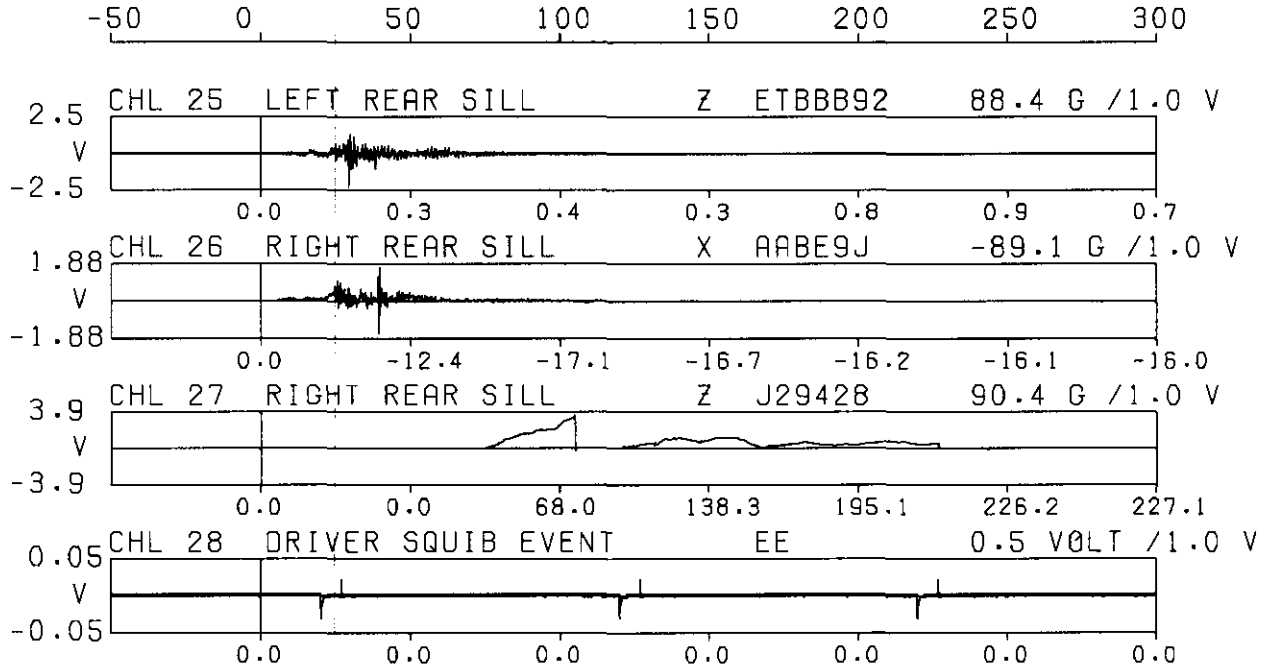
TRANSDUCER SUMMARY REPORT

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

PAGE 003
OF 050
DATA SET 01/29/01BH
ERRATA 1



NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.



-50 0 50 100 150 200 250 300
 TIME, MSEC

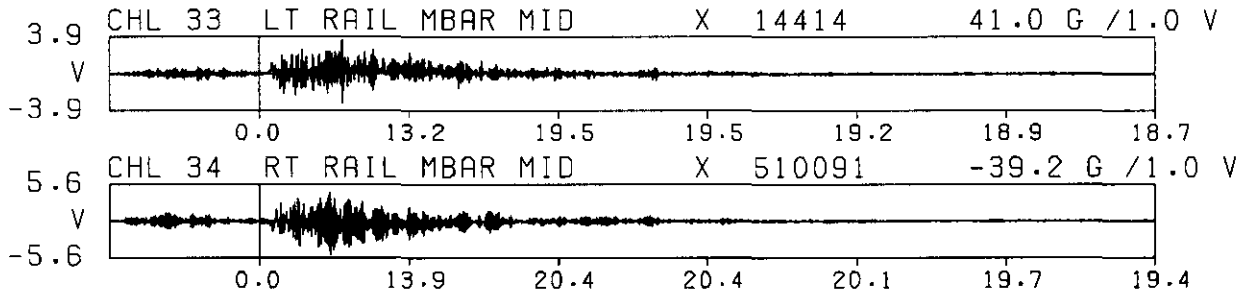
NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
 EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

TRANSDUCER SUMMARY REPORT

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

PAGE 005
OF 050
DATA SET 01/29/01BI
ERRATA 1

-50 0 50 100 150 200 250 300



-50 0 50 100 150 200 250 300
TIME, MSEC

NOTE COMPUTED FIRST INTEGRAL VALUES ARE INDICATED BELOW
EACH CHANNEL AND BRIDGED DATA IS INDICATED BY A -B-.

AVERAGE OF

CHANNEL 020 LEFT FRONT SILL	X	ET88821
CHANNEL 022 RIGHT FRONT SILL	X	J17456
CHANNEL 024 LEFT REAR SILL	X	ET88899
CHANNEL 026 RIGHT REAR SILL	X	AABE9J

FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86

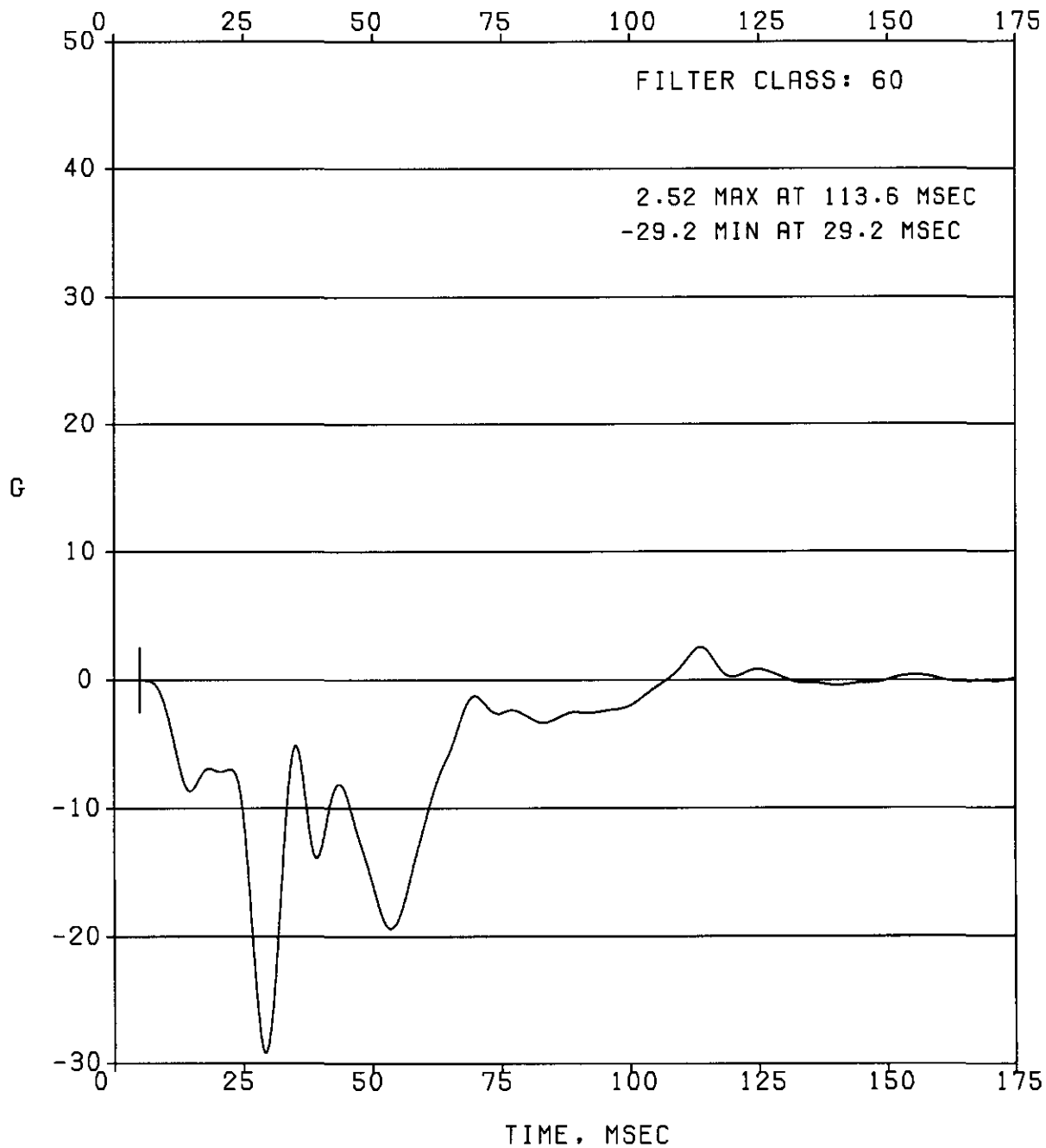
IMPACT ANALYSIS DEPT. 5320

DATA SET 01/29/01BH

JAN 30, 2001

ERRATA

1



AVERAGE OF

CHANNEL 020 LEFT FRONT SILL X ETBBB21
CHANNEL 022 RIGHT FRONT SILL X J17456

FILTER TYPE: SAE J211B/80 DC C60(TPF-R) EFF 3/24/86

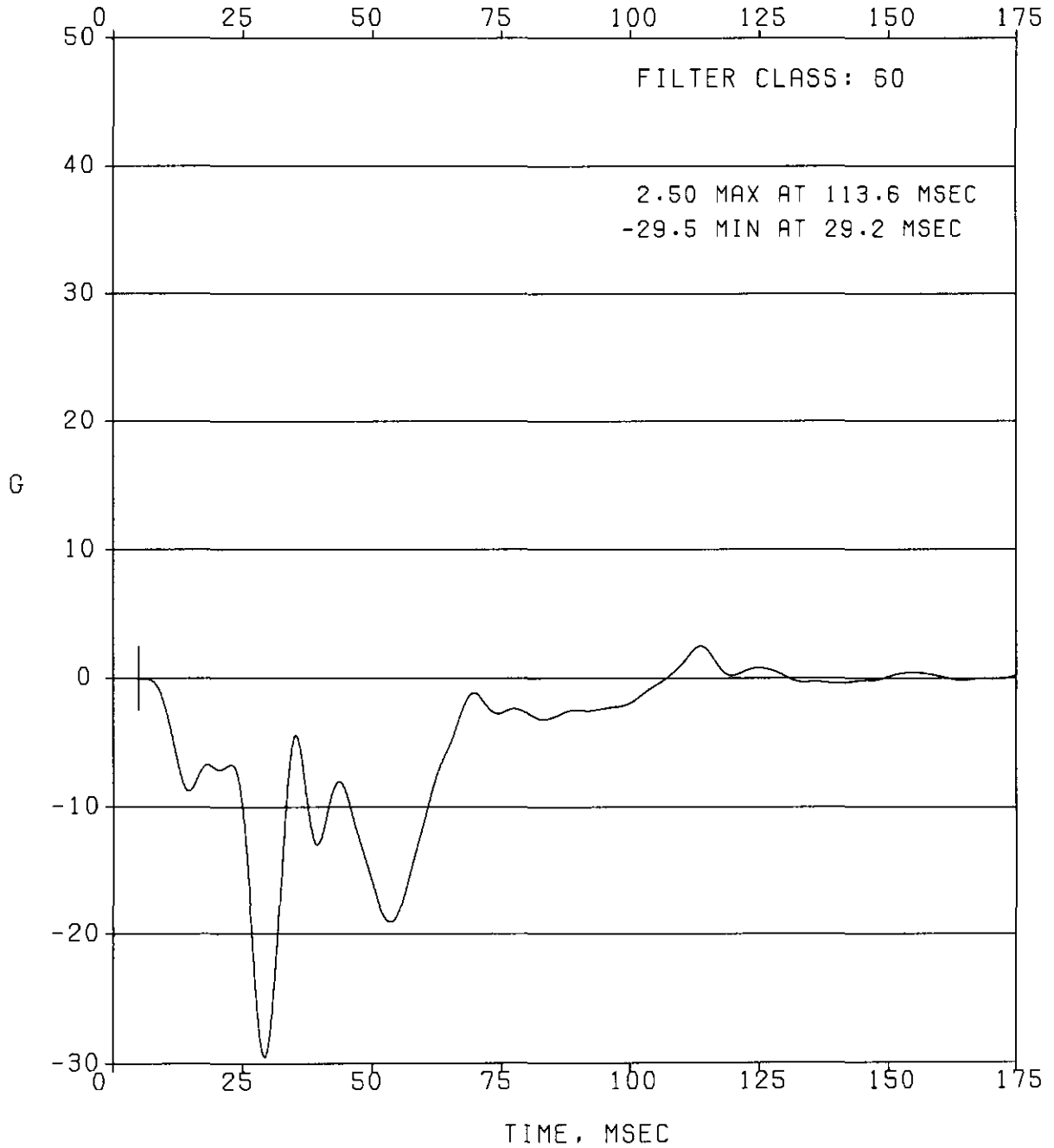
IMPACT ANALYSIS DEPT. 5320

DATA SET 01/29/01BH

JAN 30, 2001

ERRATA

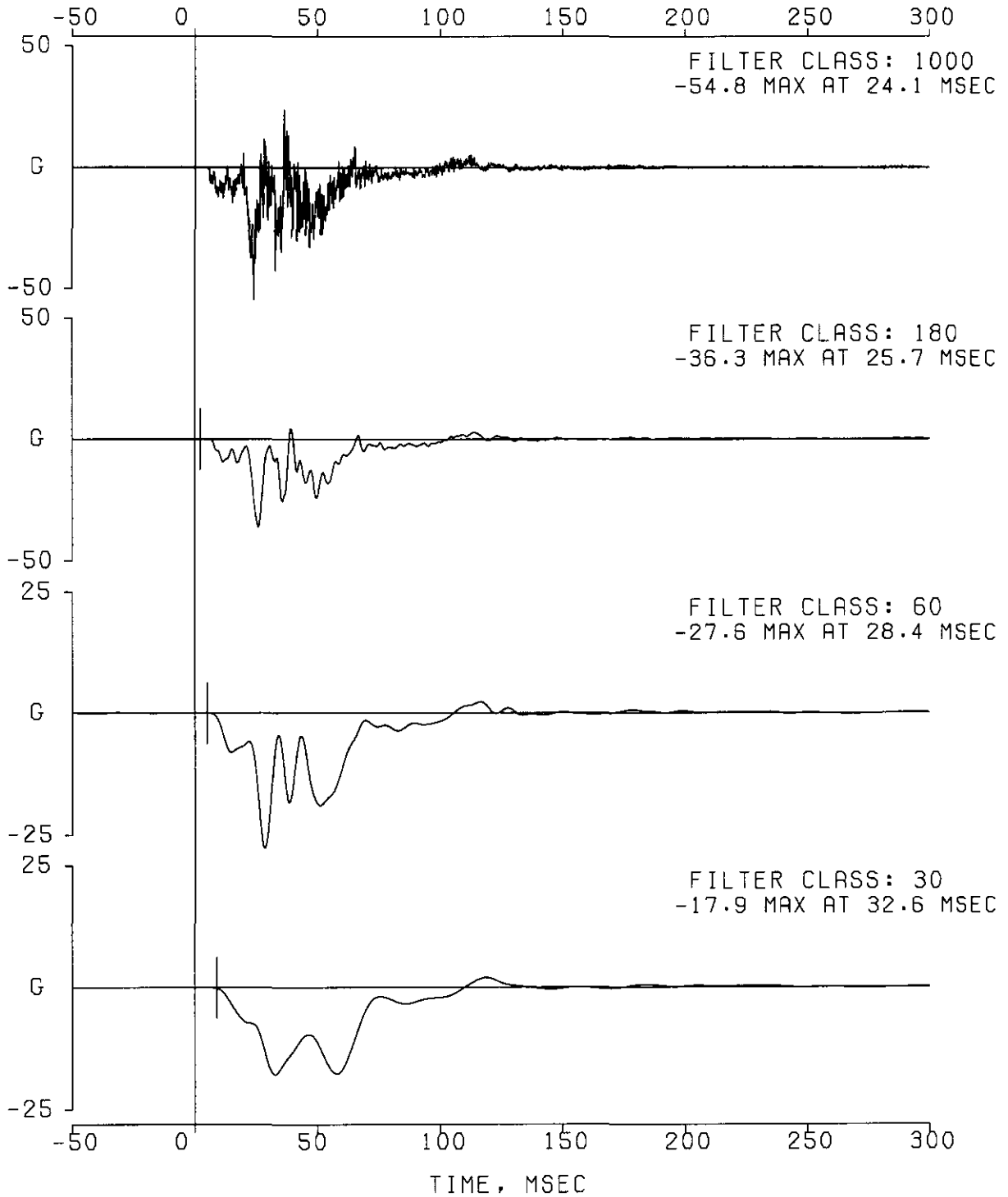
1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 001 LT RL FWD RR CTRL ARM X ETBB159
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

PAGE 008
OF 050

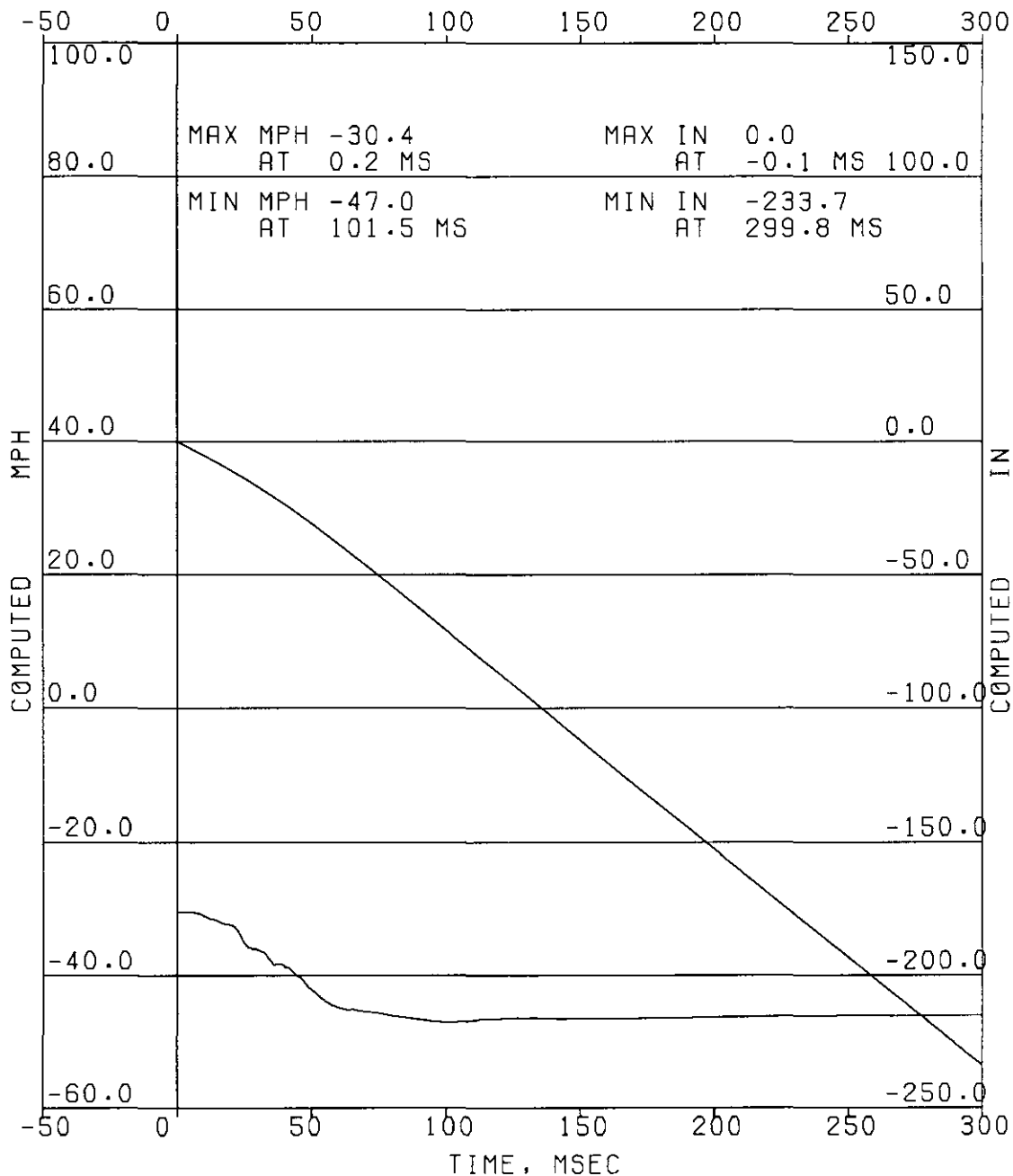
DATA SET 01/29/01BG
ERRATA 1



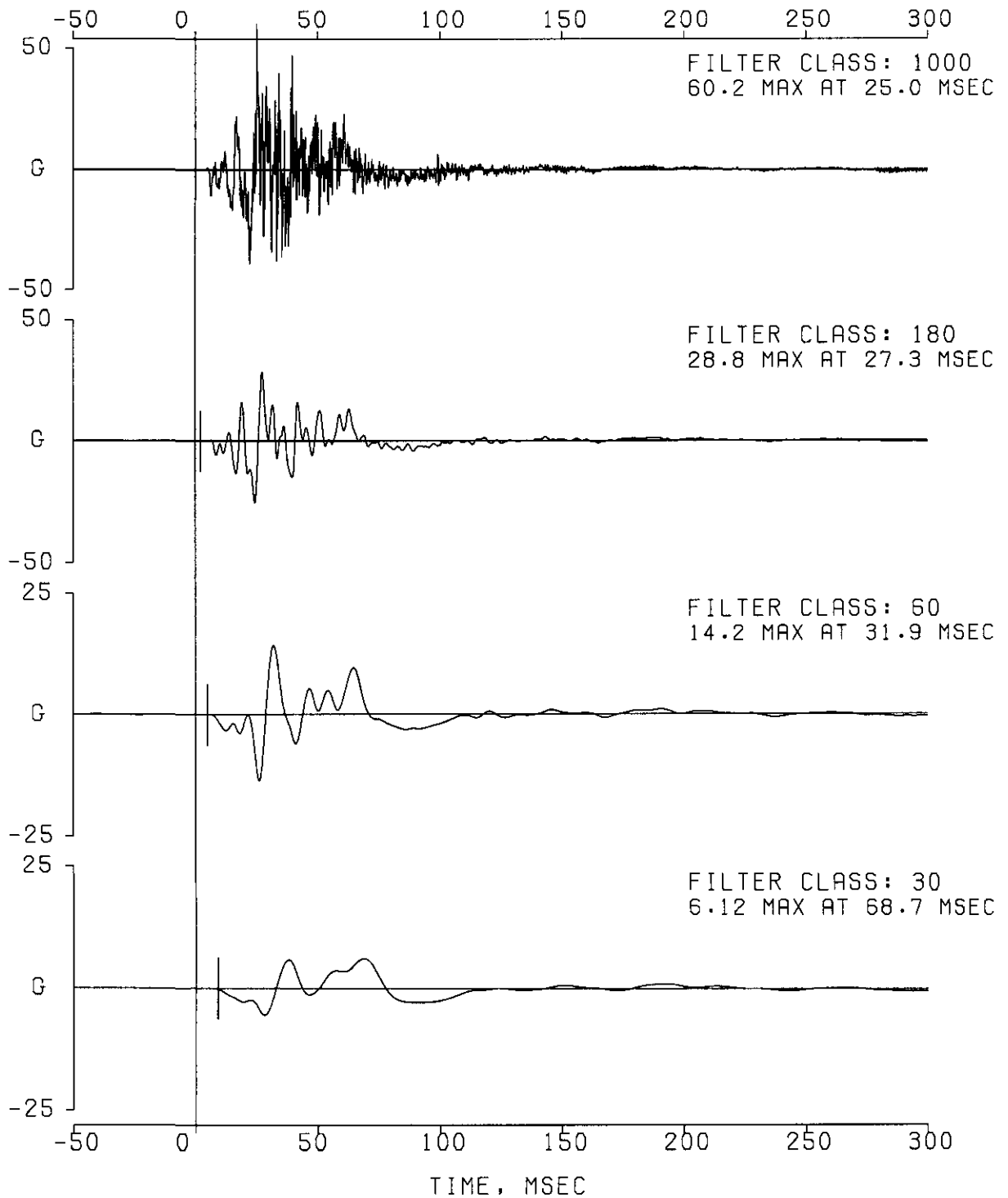
FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
 FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
 JAN 30,2001

DATA SET 01/29/01BG
 ERRATA 1

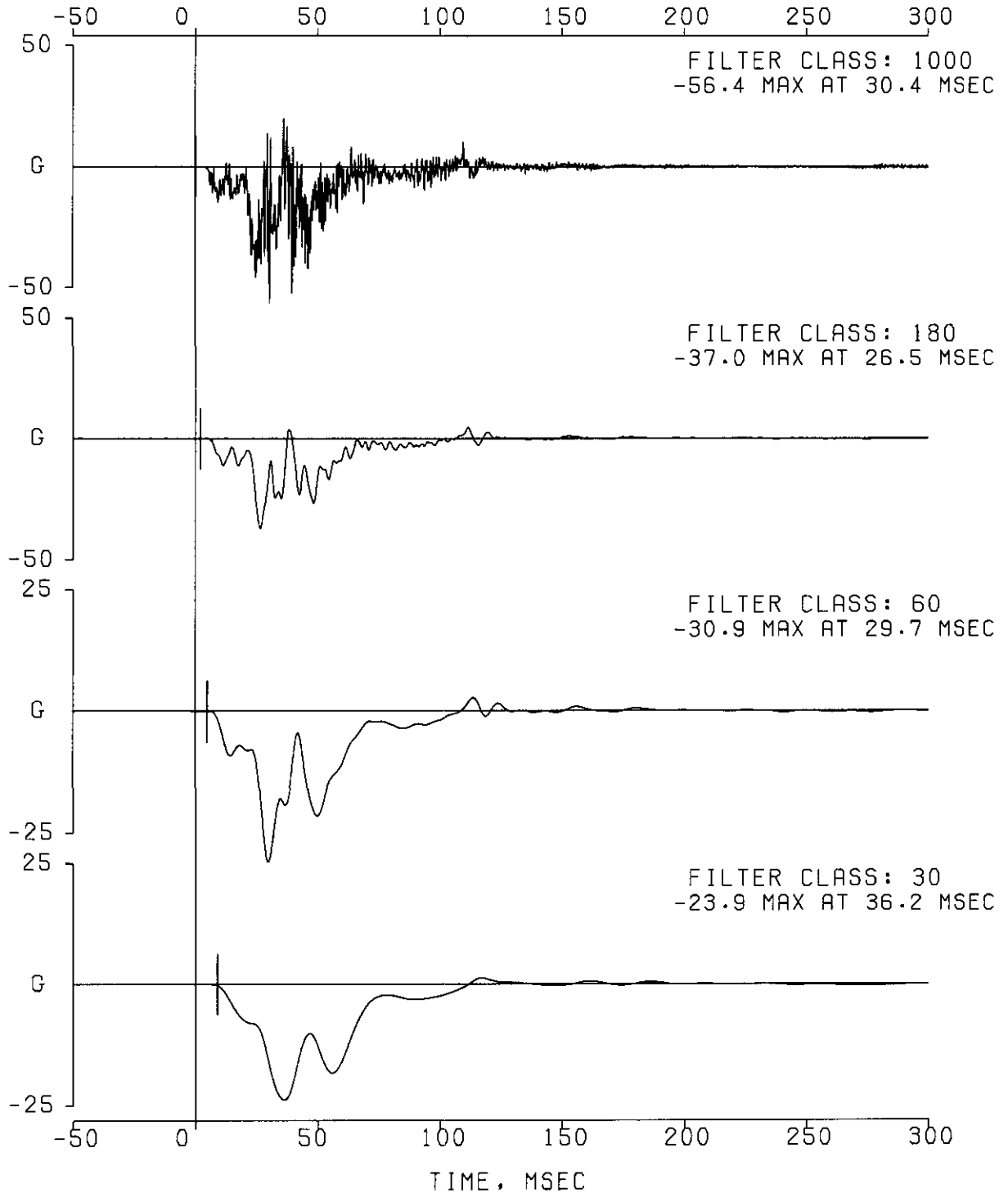


COMPUTED MPH
 COMPUTED IN



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 003 RT RL FWD RR CTRL ARM X P16367
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30.2001

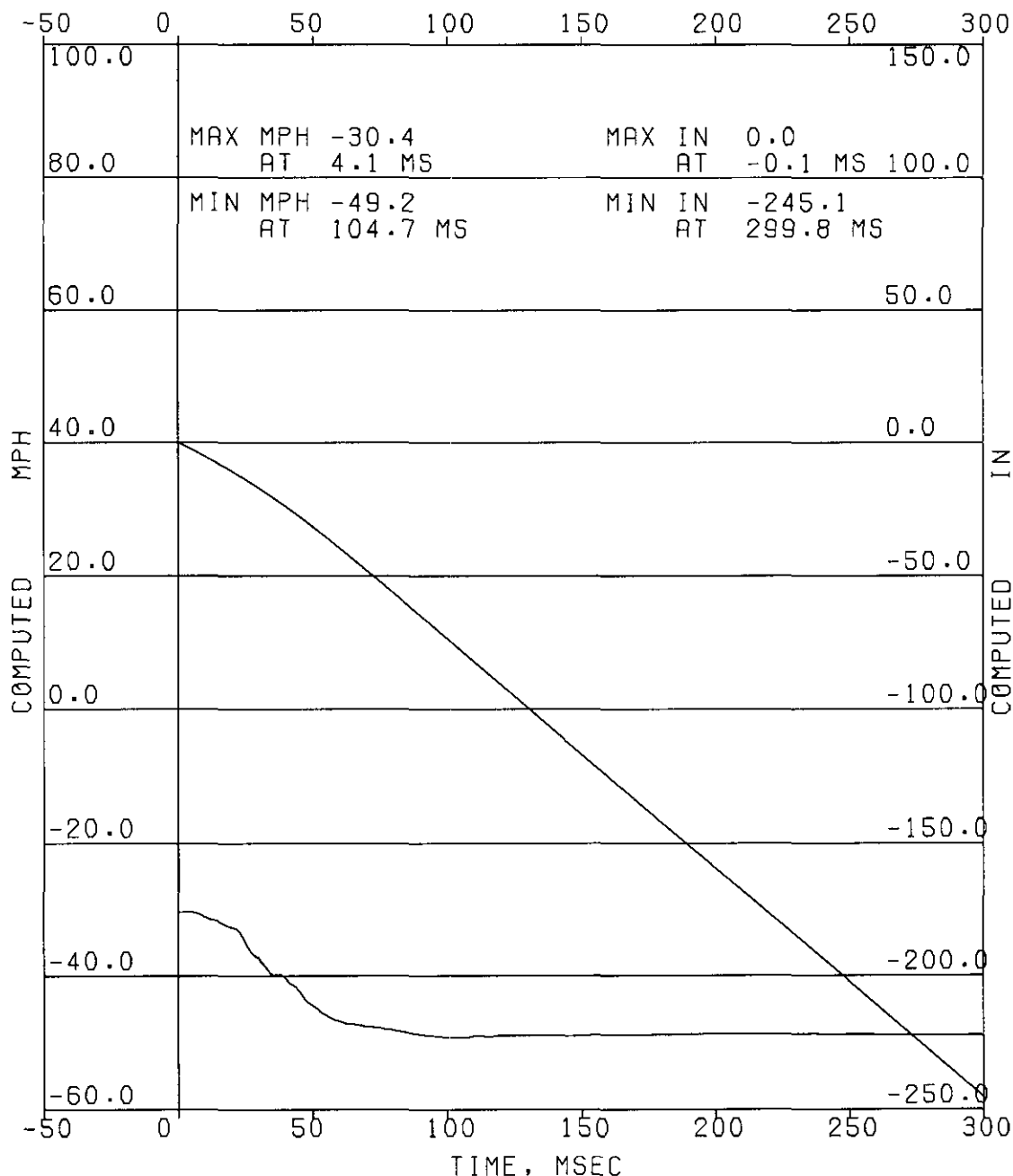
PAGE 011
OF 050
DATA SET 01/29/01BG
ERRATA 1



FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

DATA SET 01/29/01BG
ERRATA 1

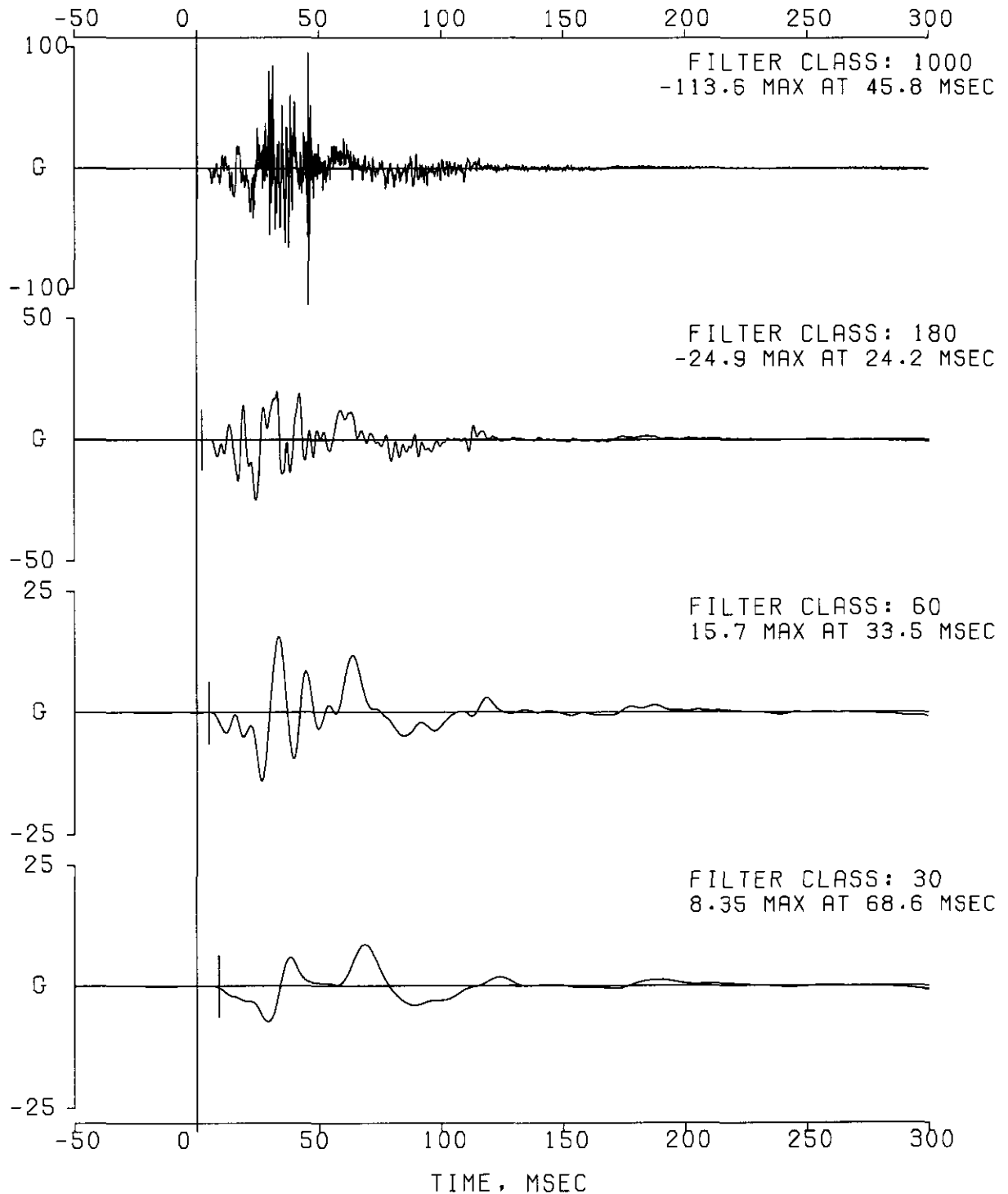


COMPUTED MPH
COMPUTED IN

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 004 RT RL FWD RR CTRL ARM Z J28289
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

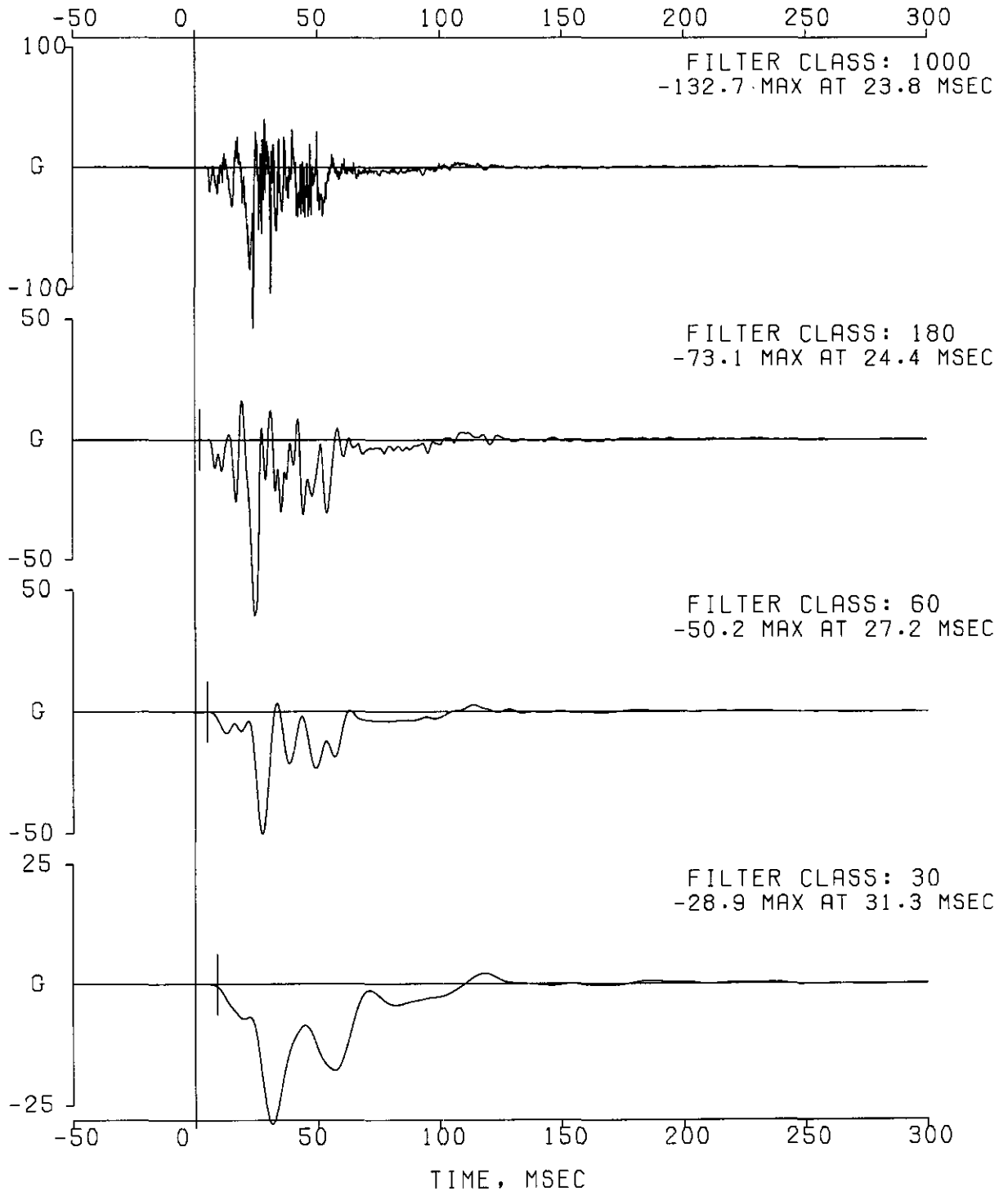
PAGE 013
OF 050

DATA SET 01/29/01BG
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 005 LT RAIL MID TANK X J15042
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

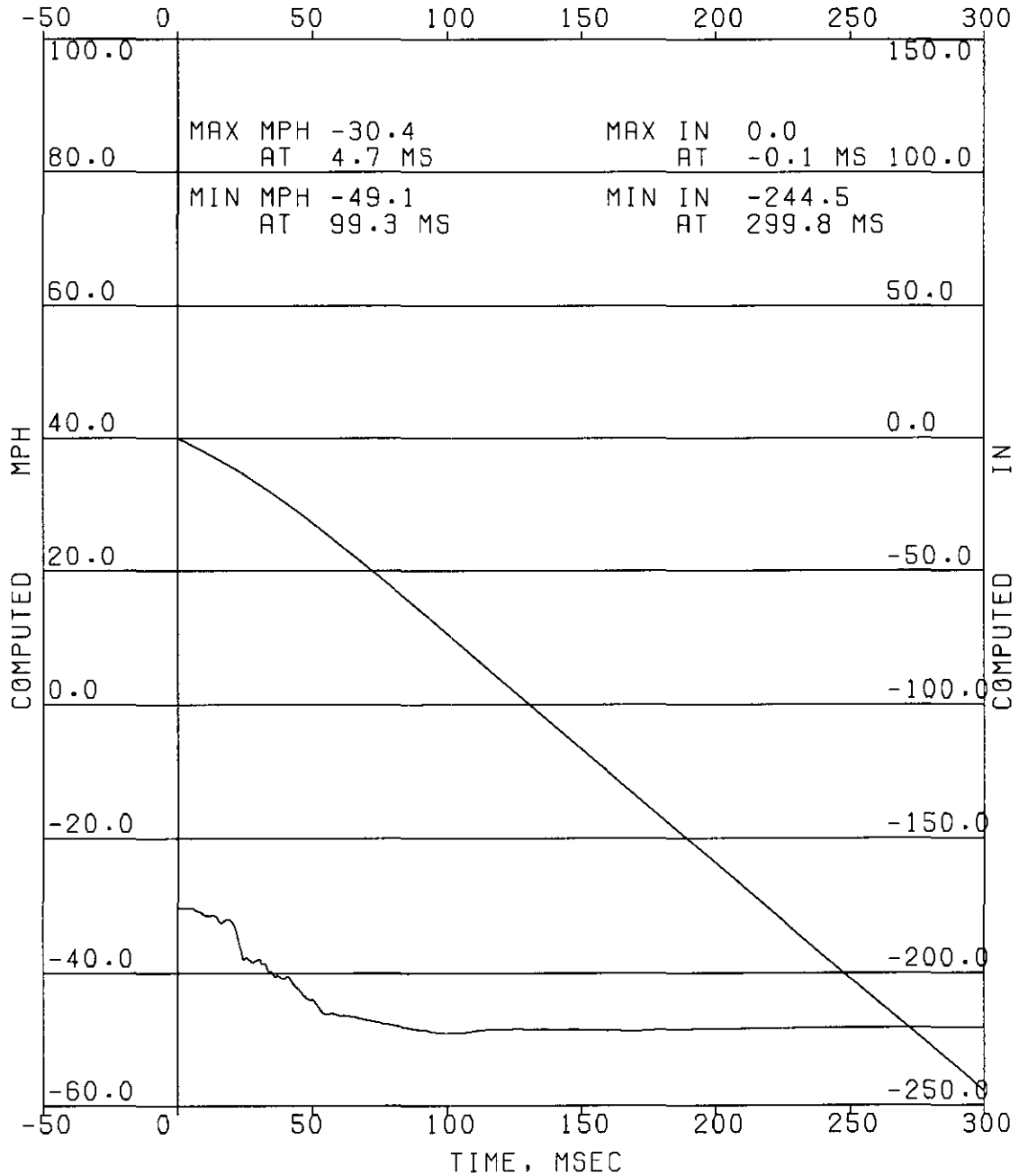
PAGE 014
OF 050
DATA SET 01/29/01BG
ERRATA 1



FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

DATA SET 01/29/01BG
ERRATA 1

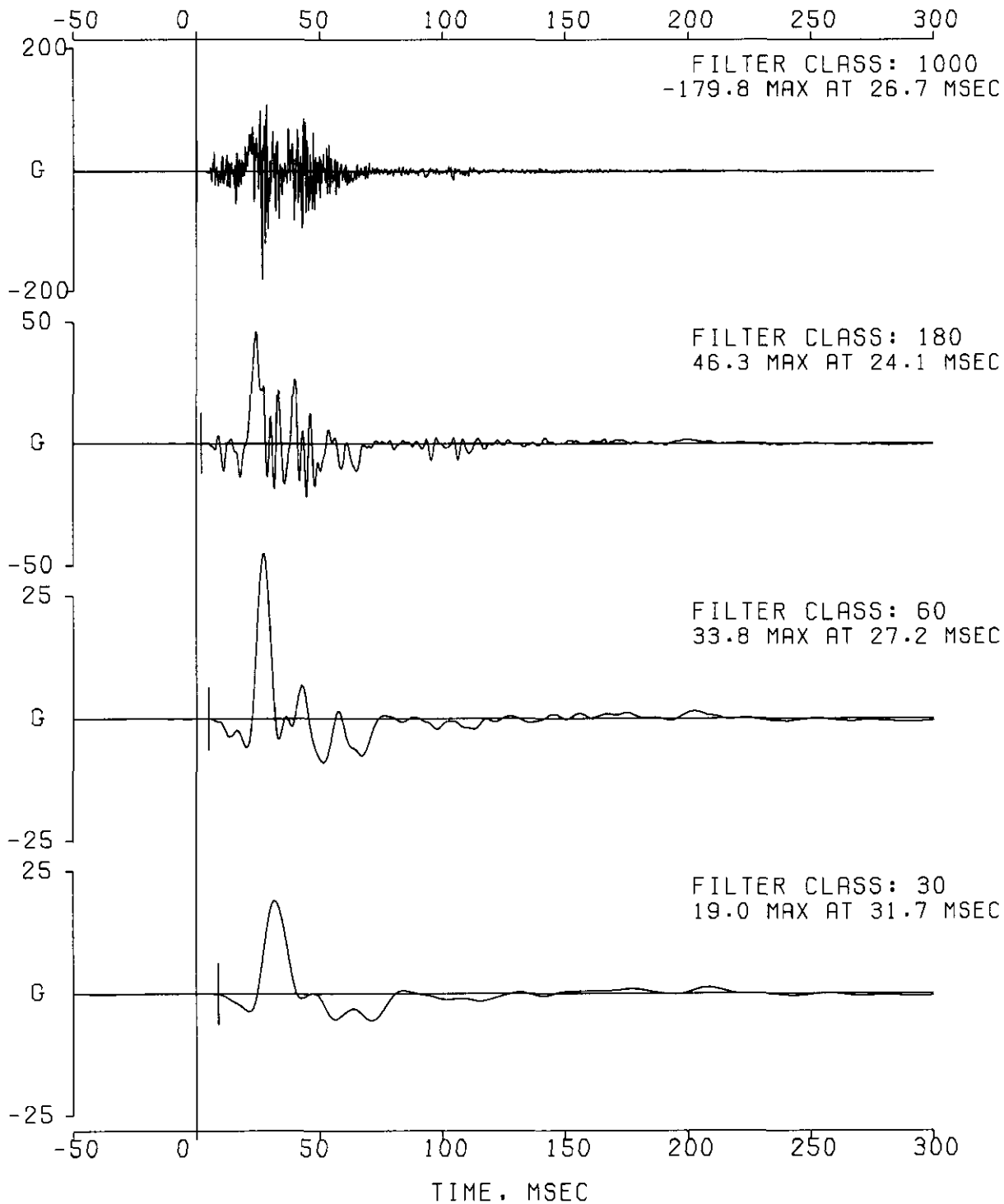


COMPUTED MPH
COMPUTED IN

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 006 LT RAIL MID TANK Z J18847
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

PAGE 016
OF 050

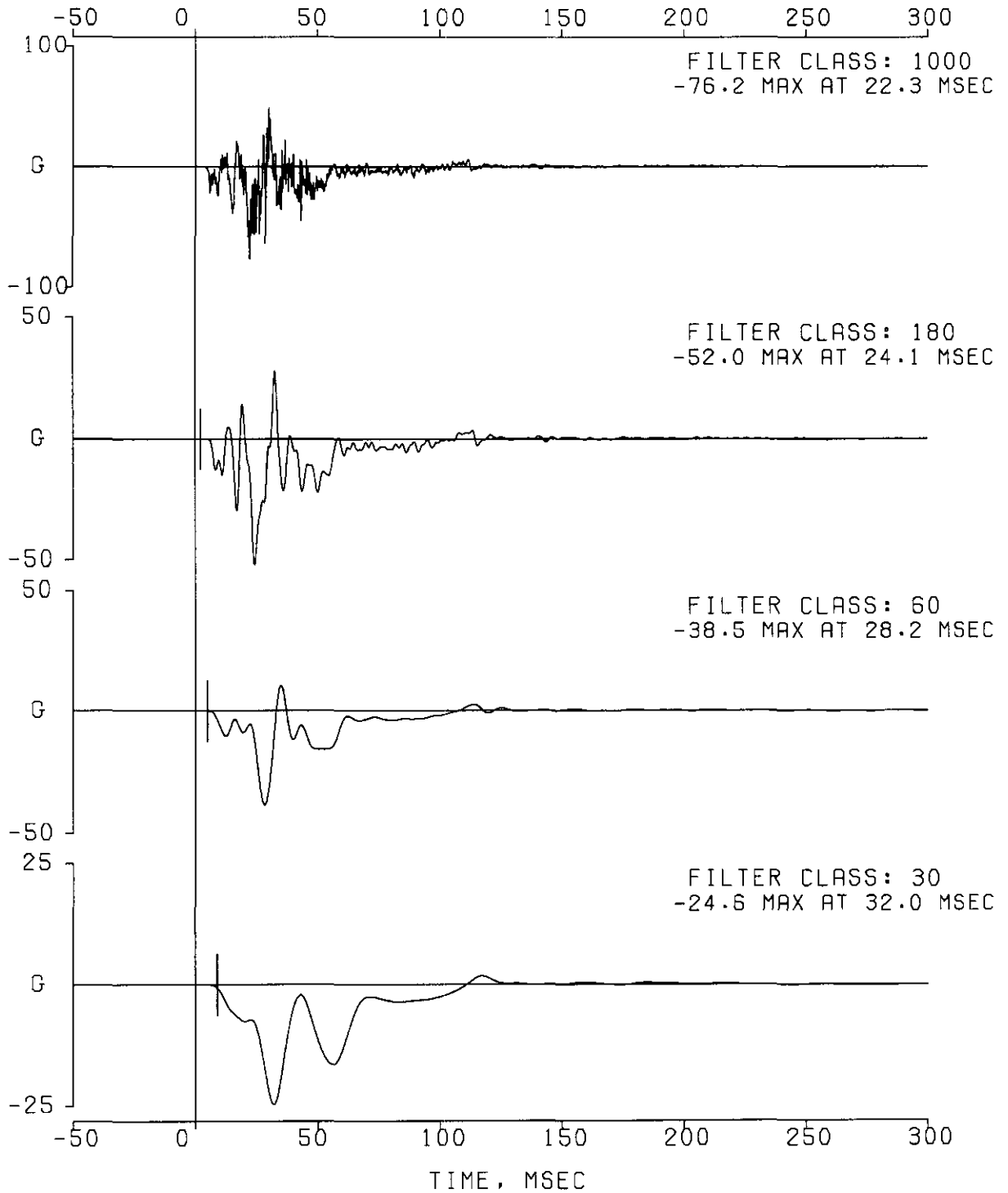
DATA SET 01/29/01BG
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 007 RT RAIL MID TANK X AH054
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

PAGE 017
OF 050

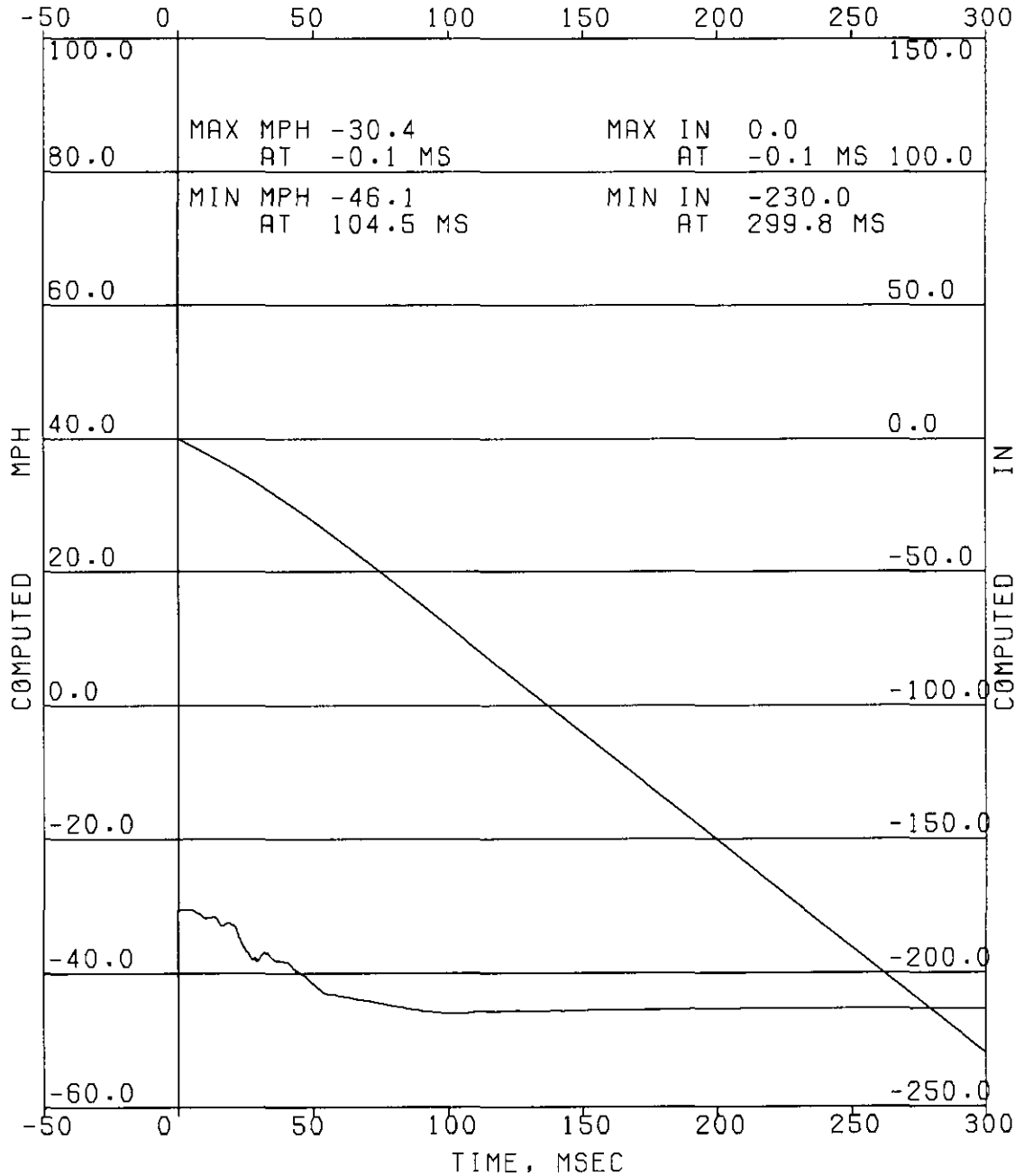
DATA SET 01/29/01BG
ERRATA 1



FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

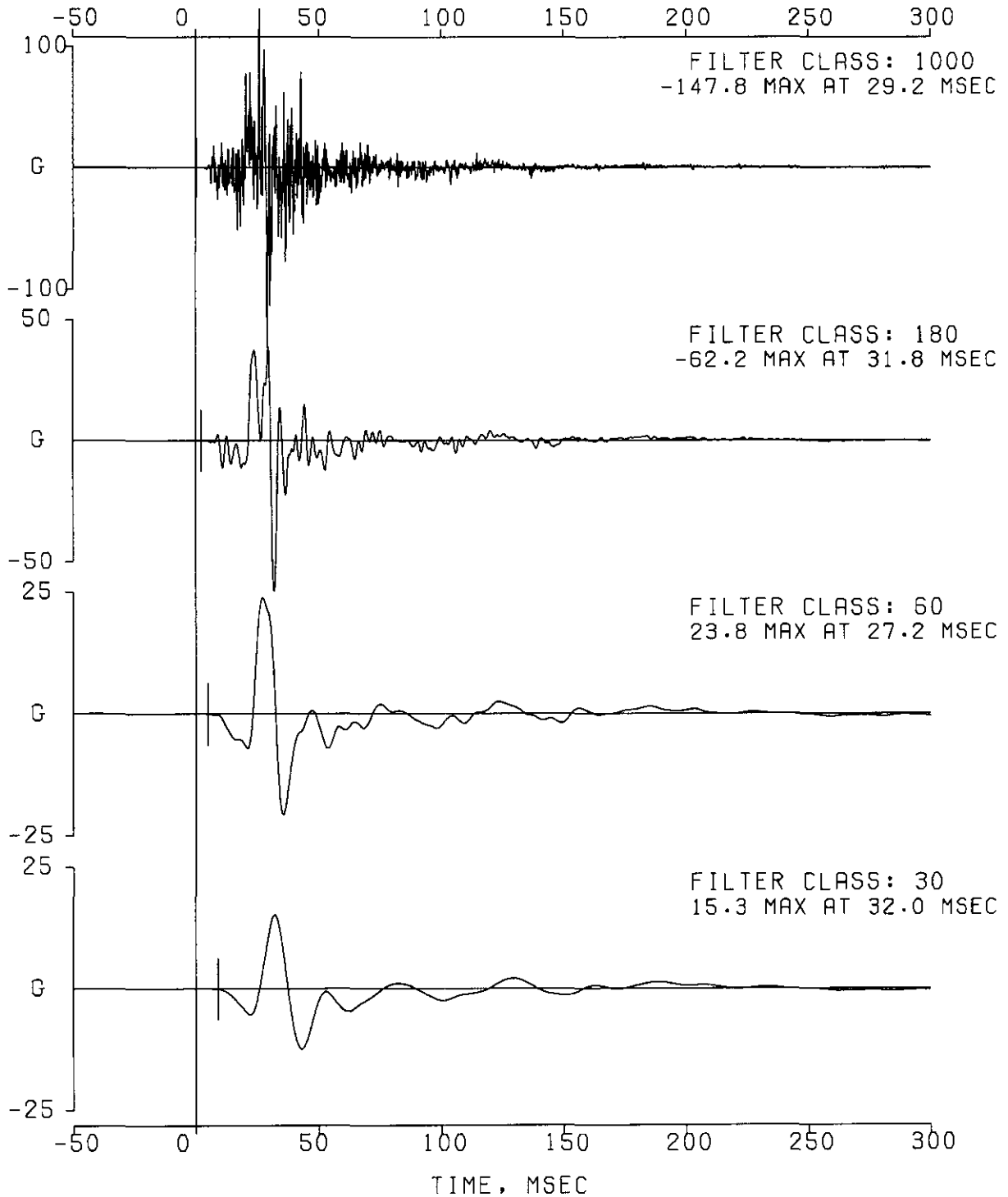
DATA SET 01/29/01BG
ERRATA 1



COMPUTED MPH
COMPUTED IN

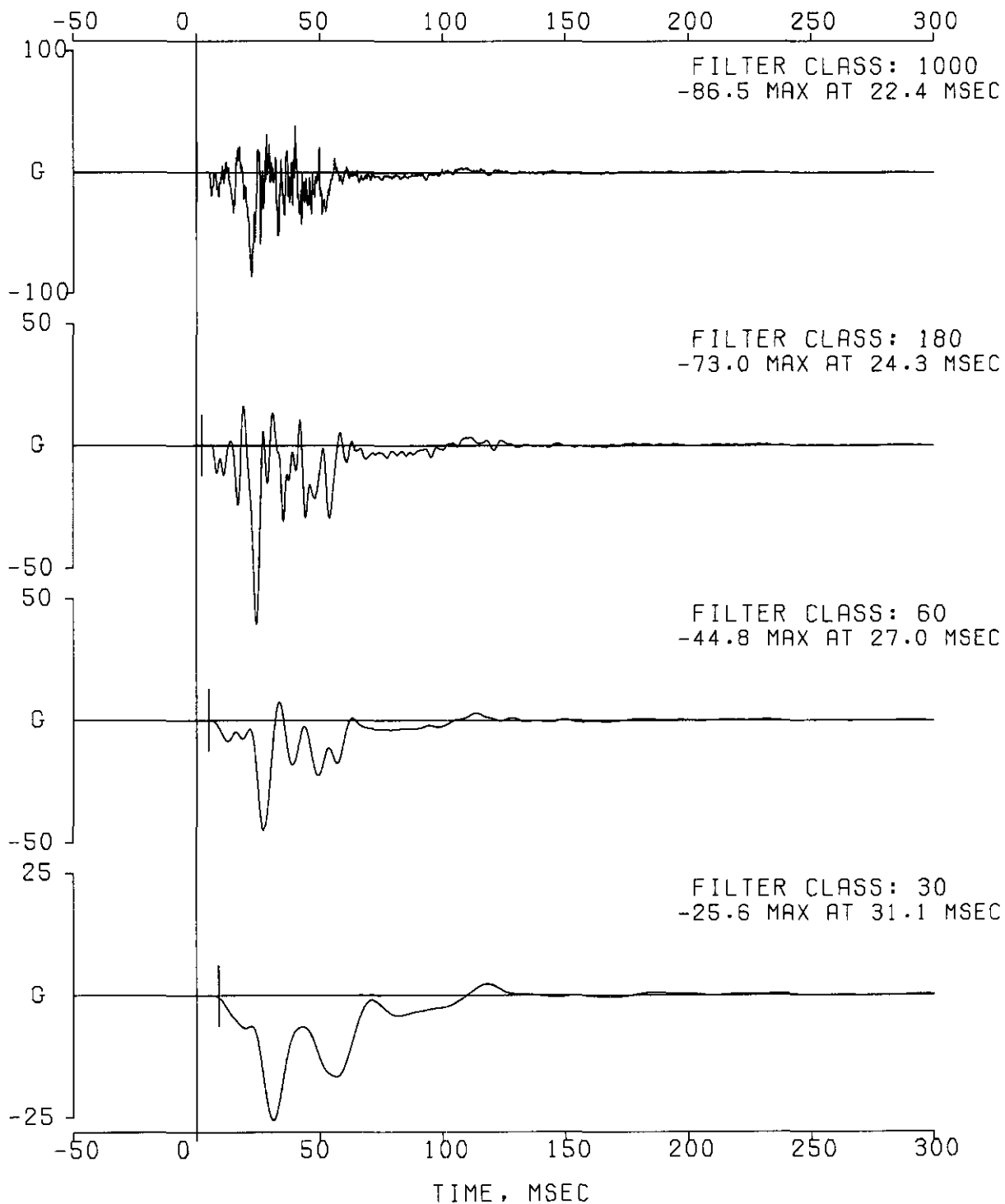
VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 008 RT RAIL MID TANK Z P11527
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

PAGE 019
OF 050
DATA SET 01/29/01BG
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 009 FUEL TANK RL PASS-THRU ETBBBB66
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

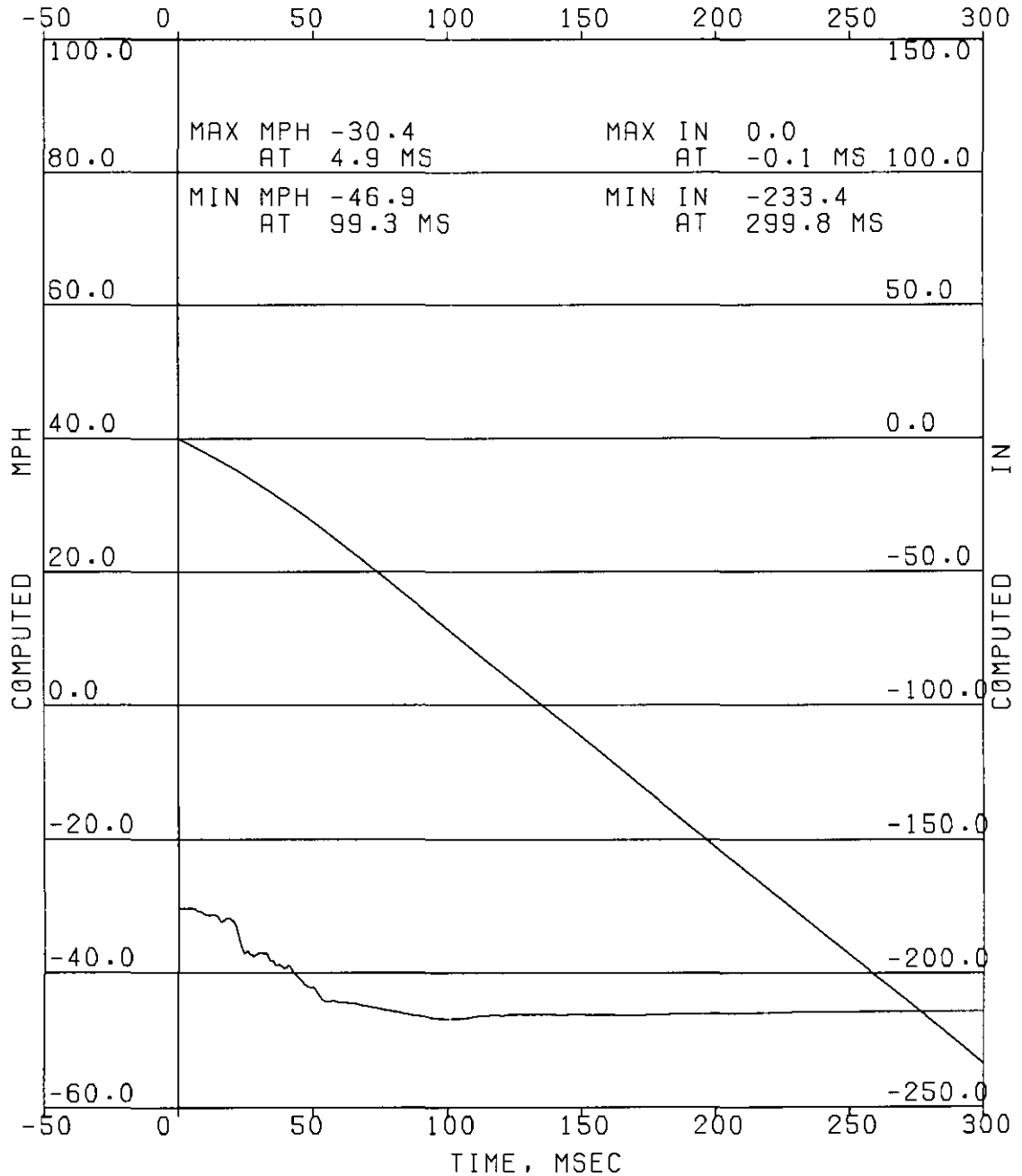
PAGE 020
OF 050
DATA SET 01/29/01BG
ERRATA 1



FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

DATA SET 01/29/01BG
ERRATA 1

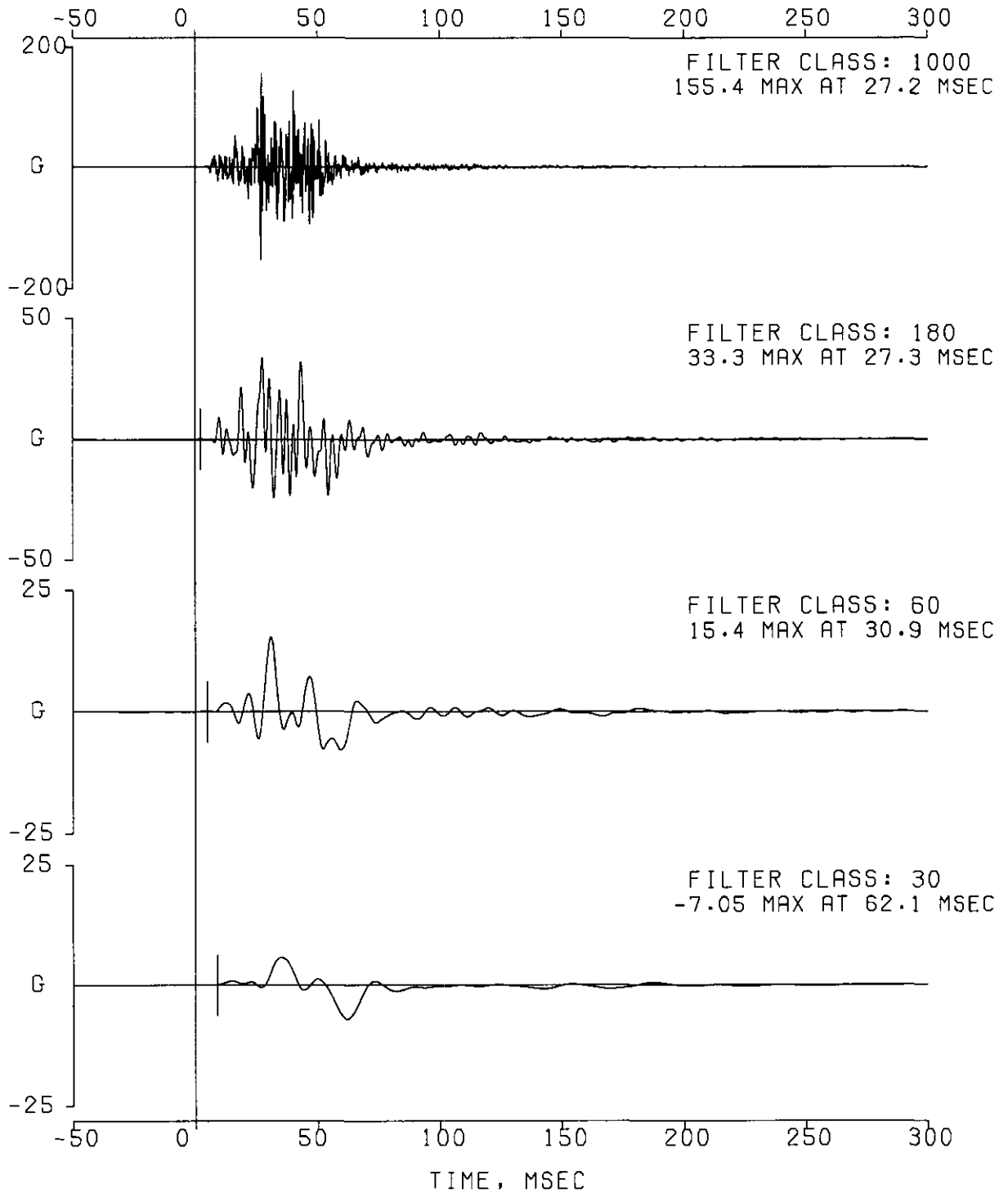


COMPUTED MPH
COMPUTED IN

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 010 FUEL TANK RL PASS-THRU J25340
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

PAGE 022
OF 050

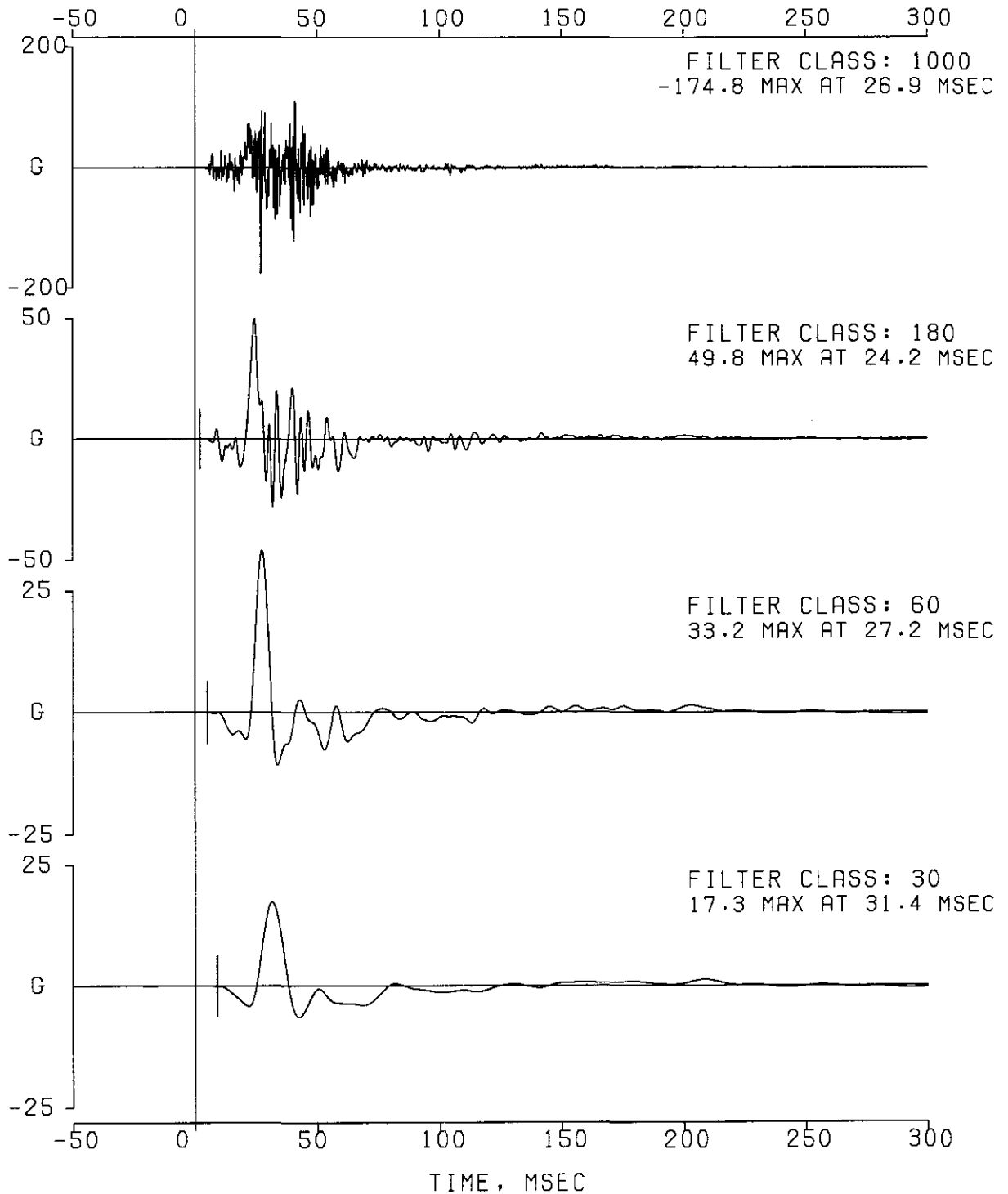
DATA SET 01/29/01BG
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 011 FUEL TANK RL PASS-THRUZ AHTJ7
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

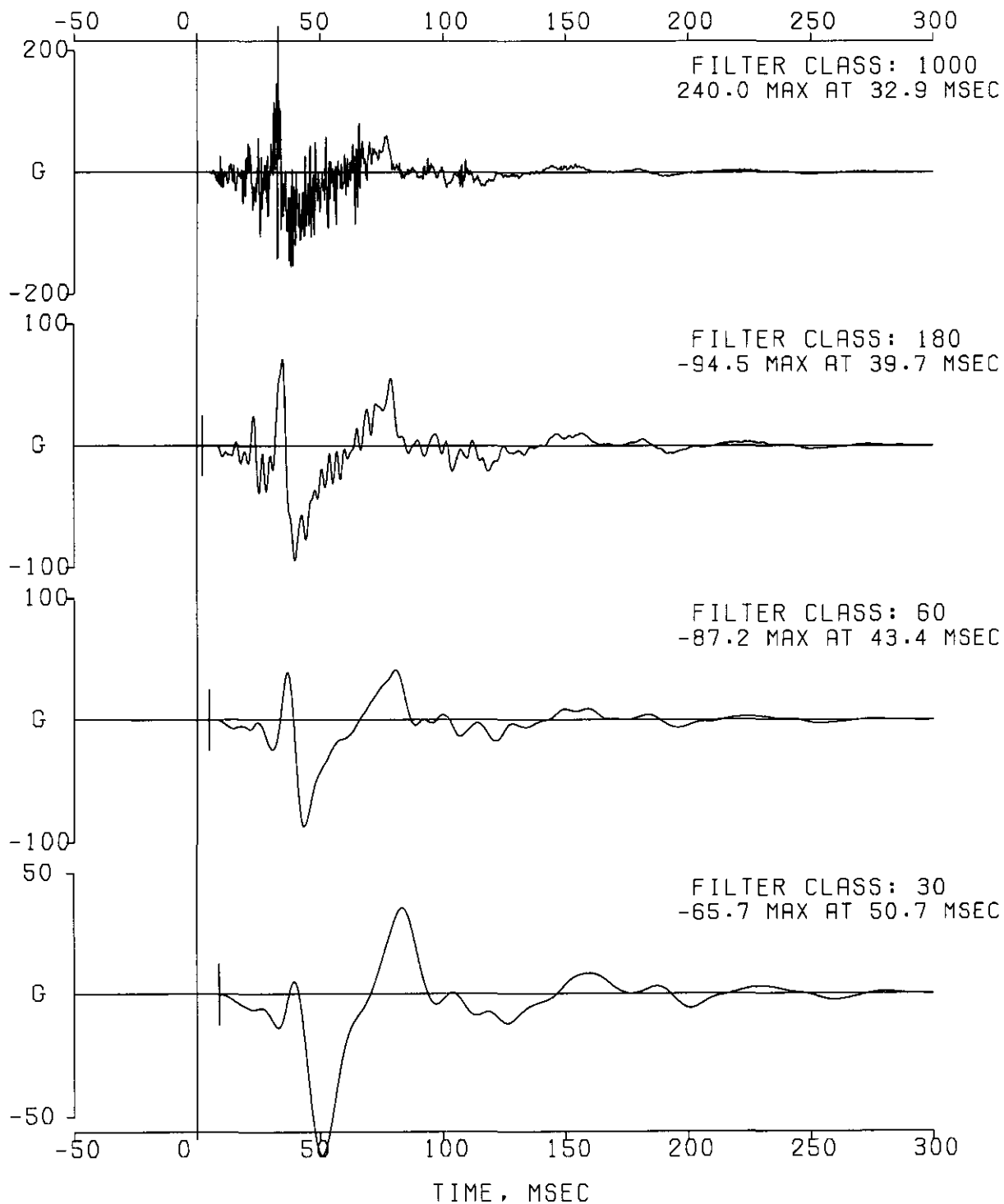
PAGE 023
OF 050

DATA SET 01/29/01BG
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 012 FUELTANK BTM CTR X J17361
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

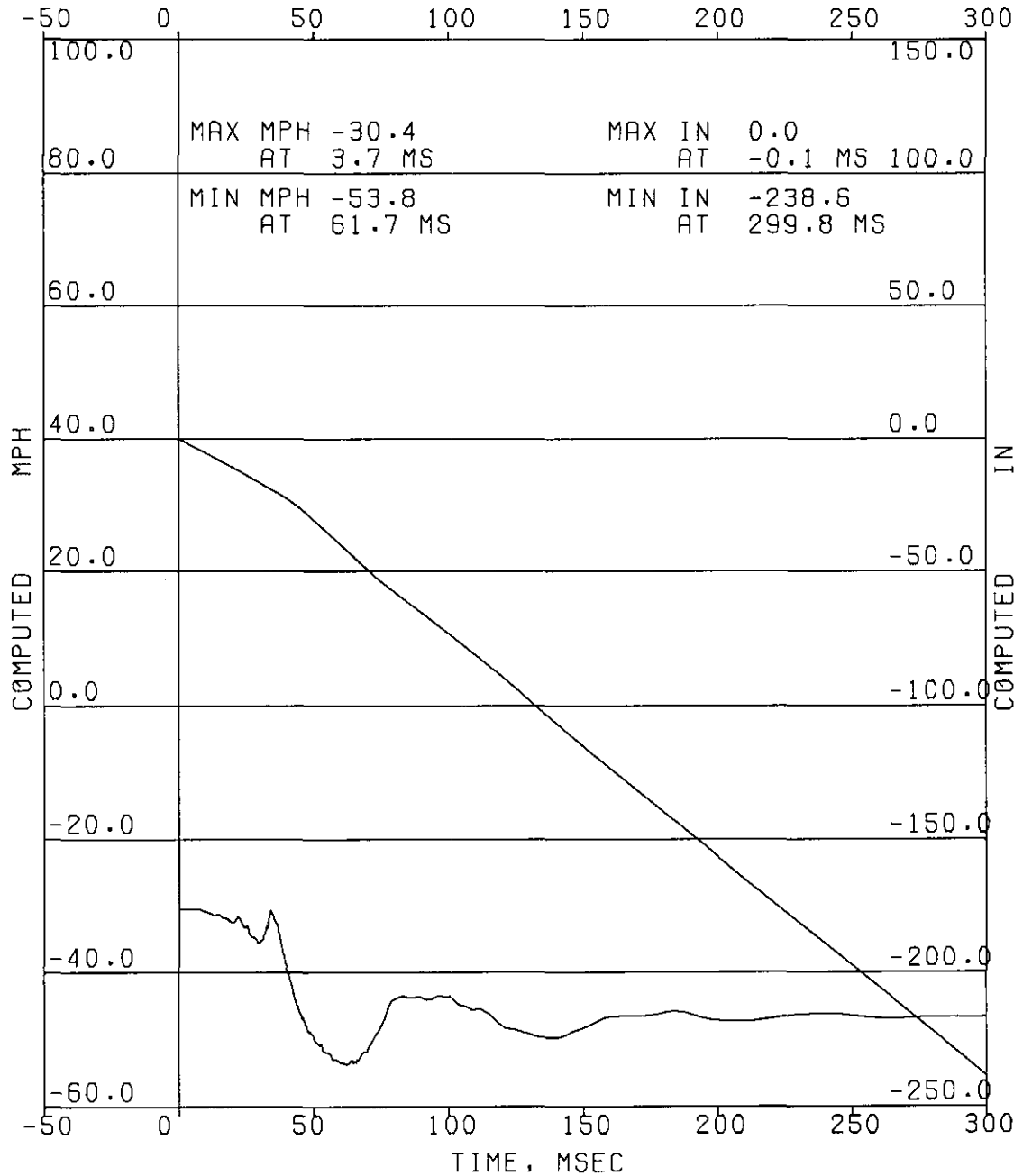
PAGE 024
OF 050
DATA SET 01/29/01BG
ERRATA 1



FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

DATA SET 01/29/01BG
ERRATA 1

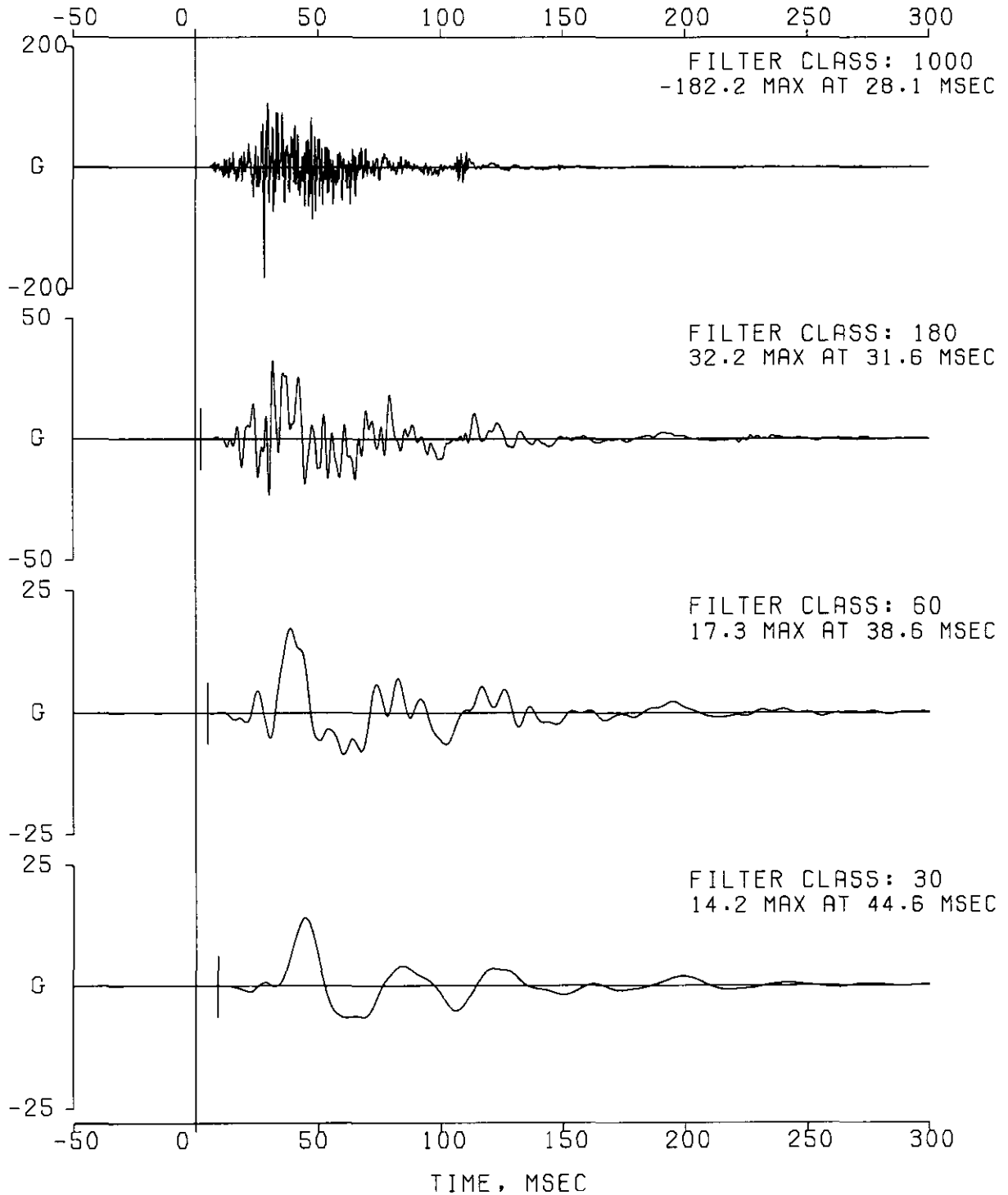


COMPUTED MPH
COMPUTED IN

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 013 FUELTANK BTM CTR Y AHT27
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

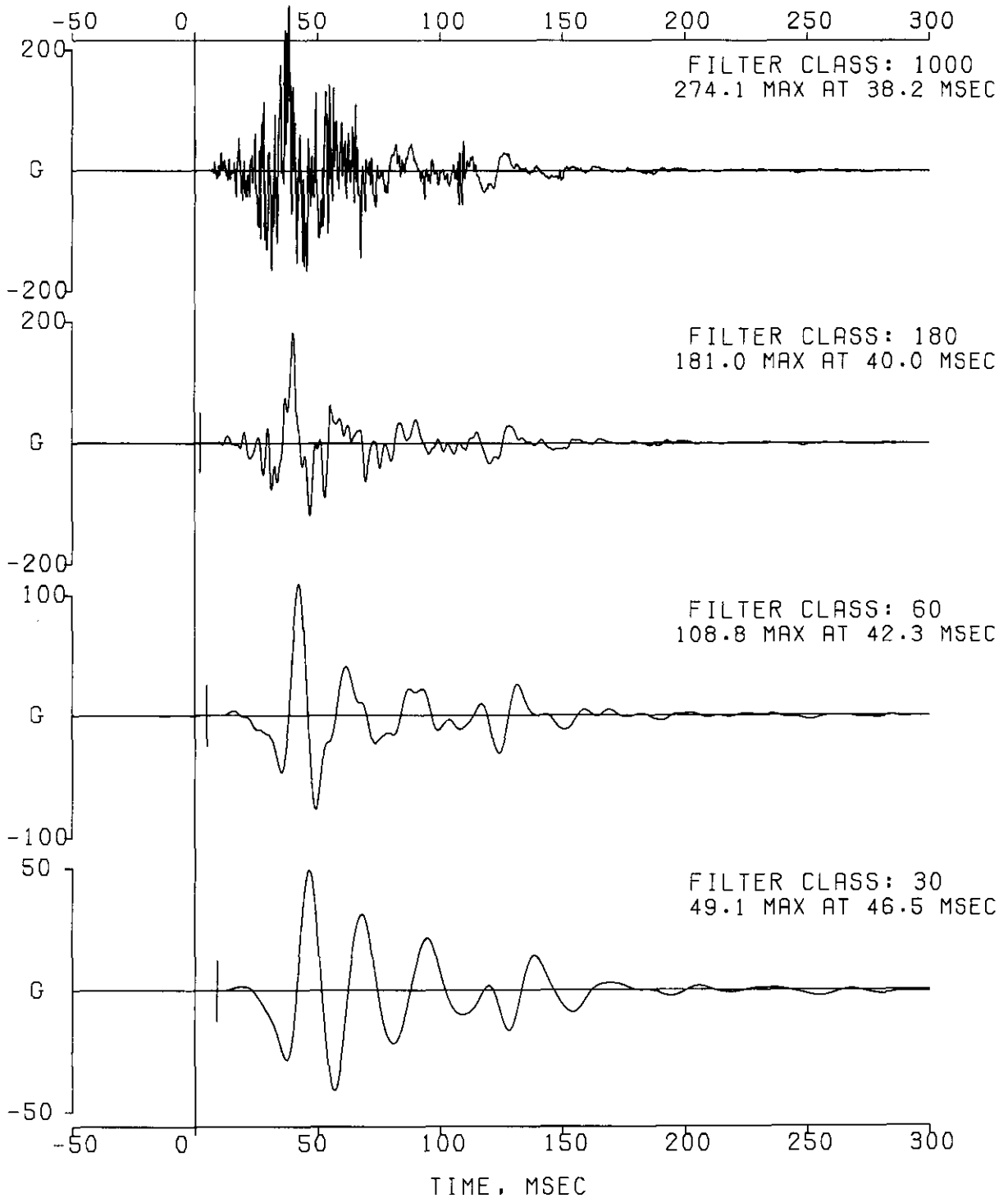
PAGE 026
OF 050

DATA SET 01/29/01BG
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 014 FUELTANK BTM CTR Z AH066
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

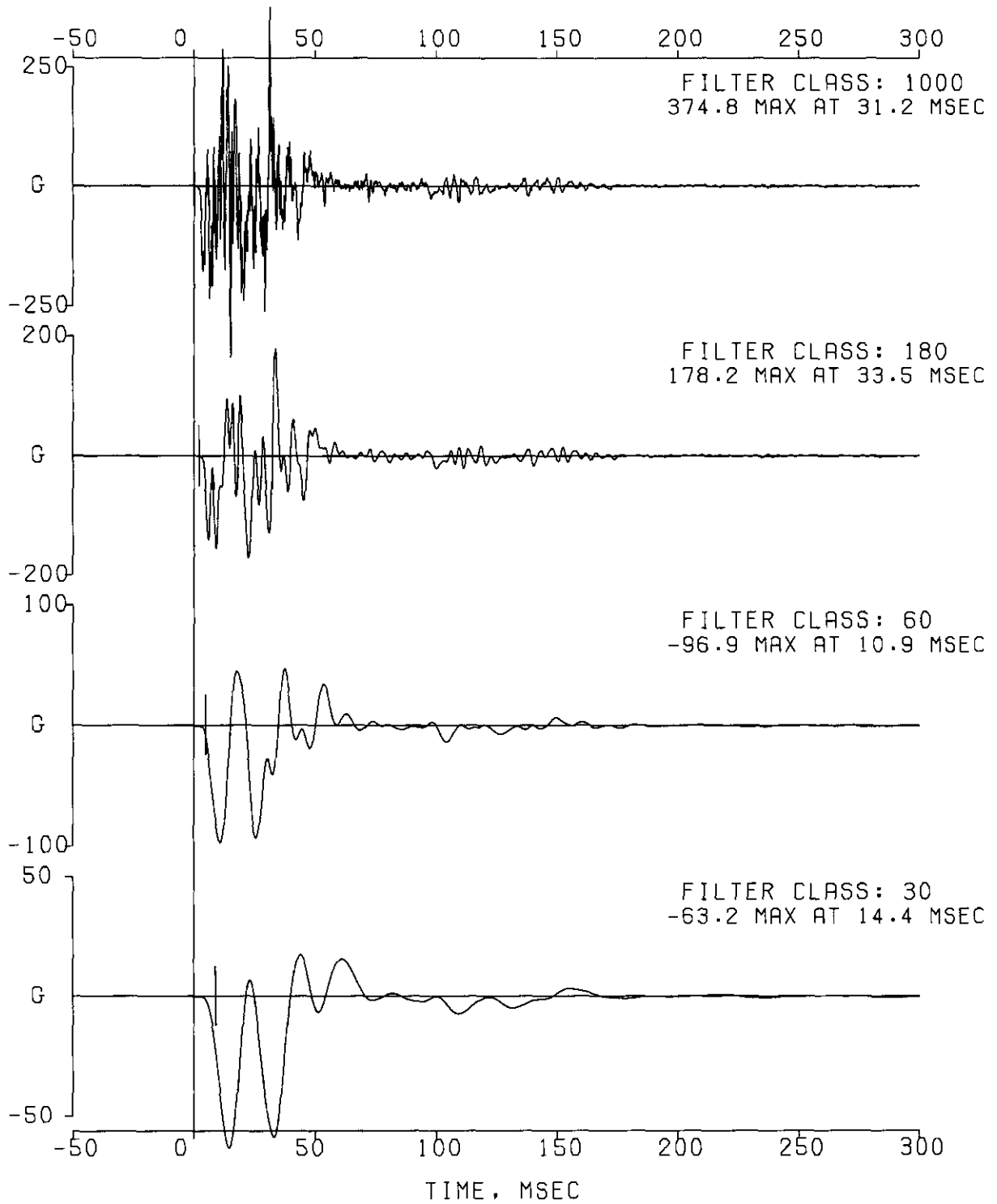
PAGE 027
OF 050
DATA SET 01/29/01BG
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 015 SWINGGATE ABV DR HANDLX AAH65
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

PAGE 028
OF 050

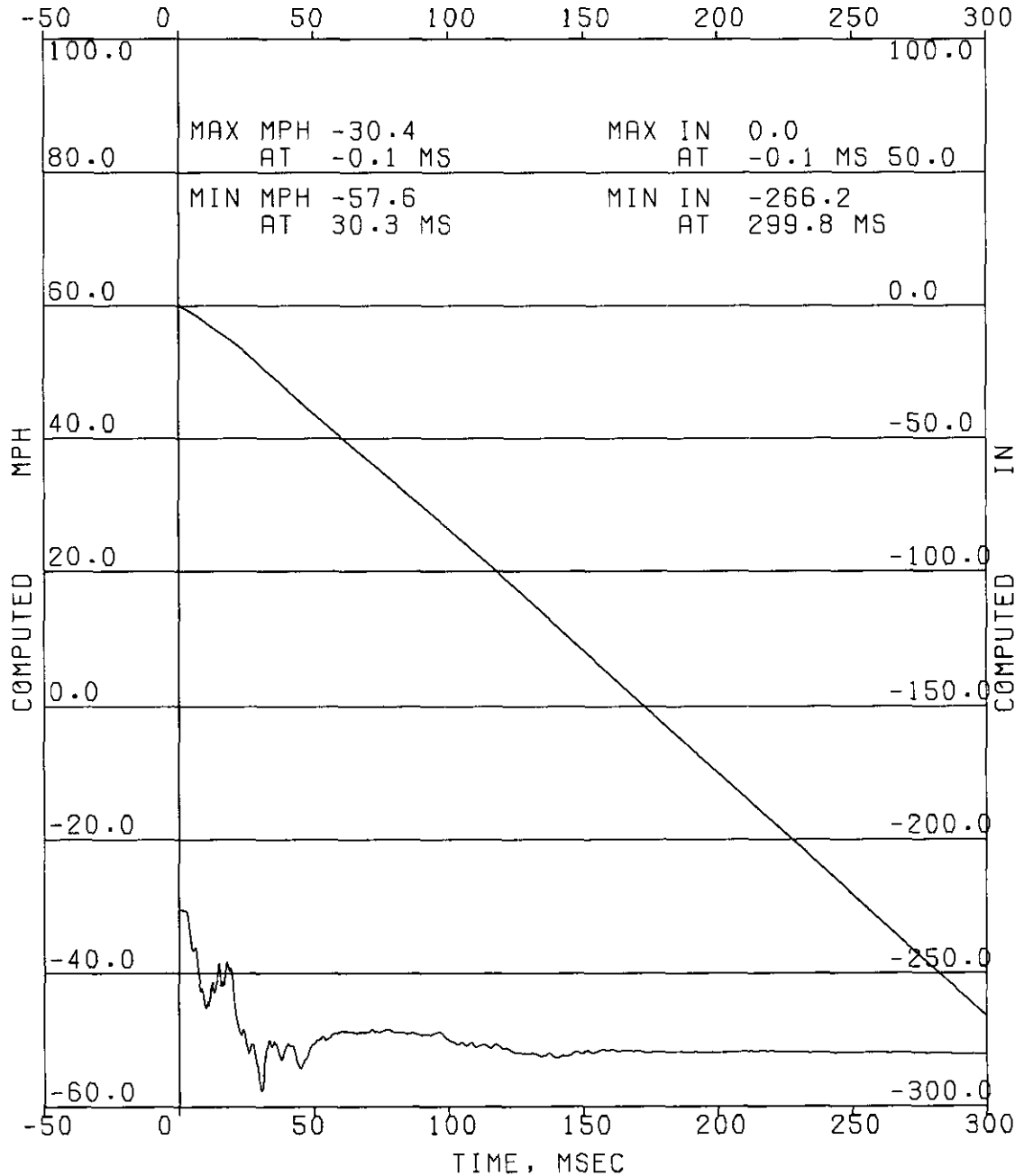
DATA SET 01/29/01BG
ERRATA 1



FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

DATA SET 01/29/01BG
ERRATA 1

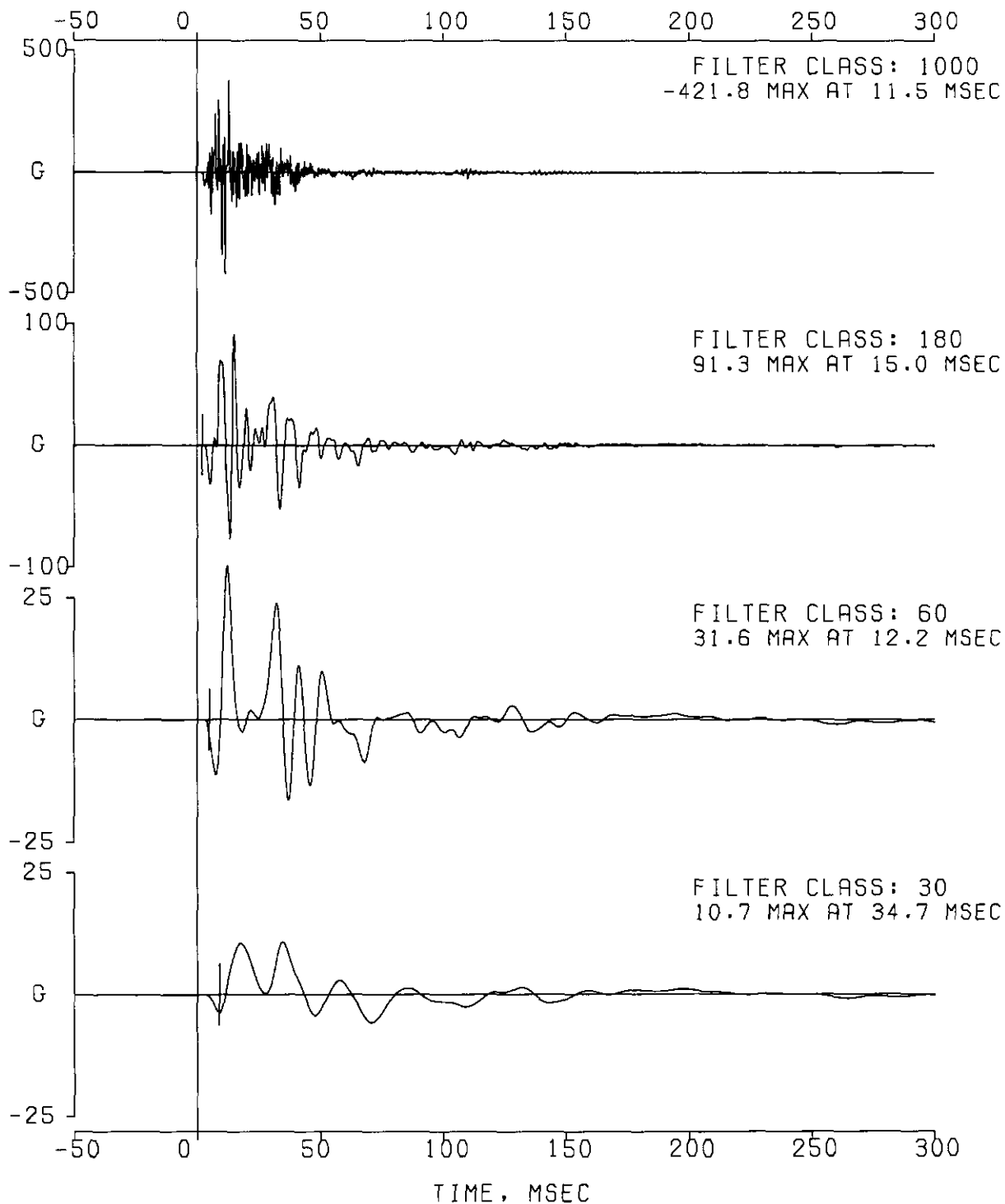


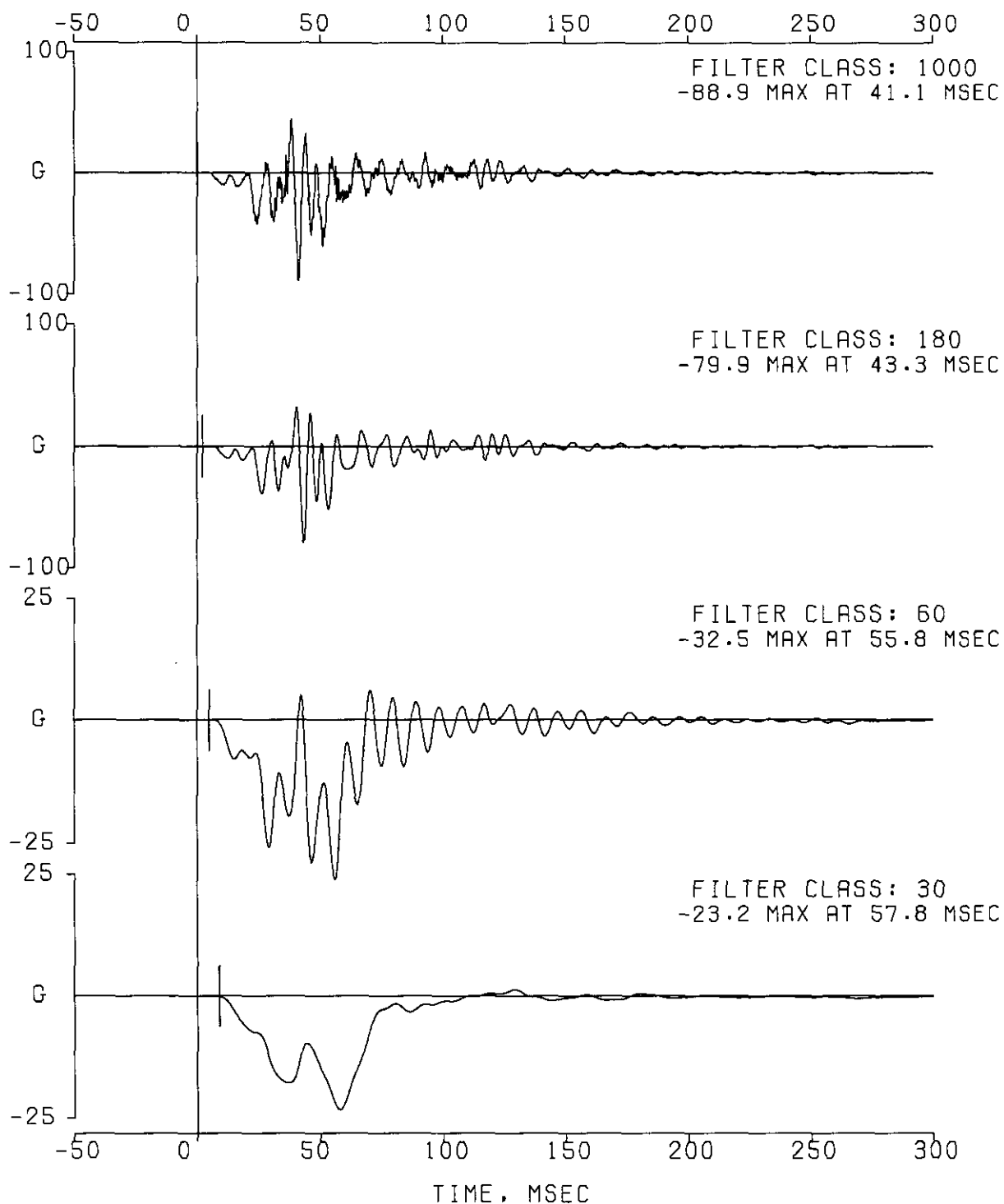
COMPUTED MPH
COMPUTED IN

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 016 SWINGGATE ABV DR HANDLZ AGP65
FILTER TYPE: 080AS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

PAGE 030
OF 050

DATA SET 01/29/01BG
ERRATA 1

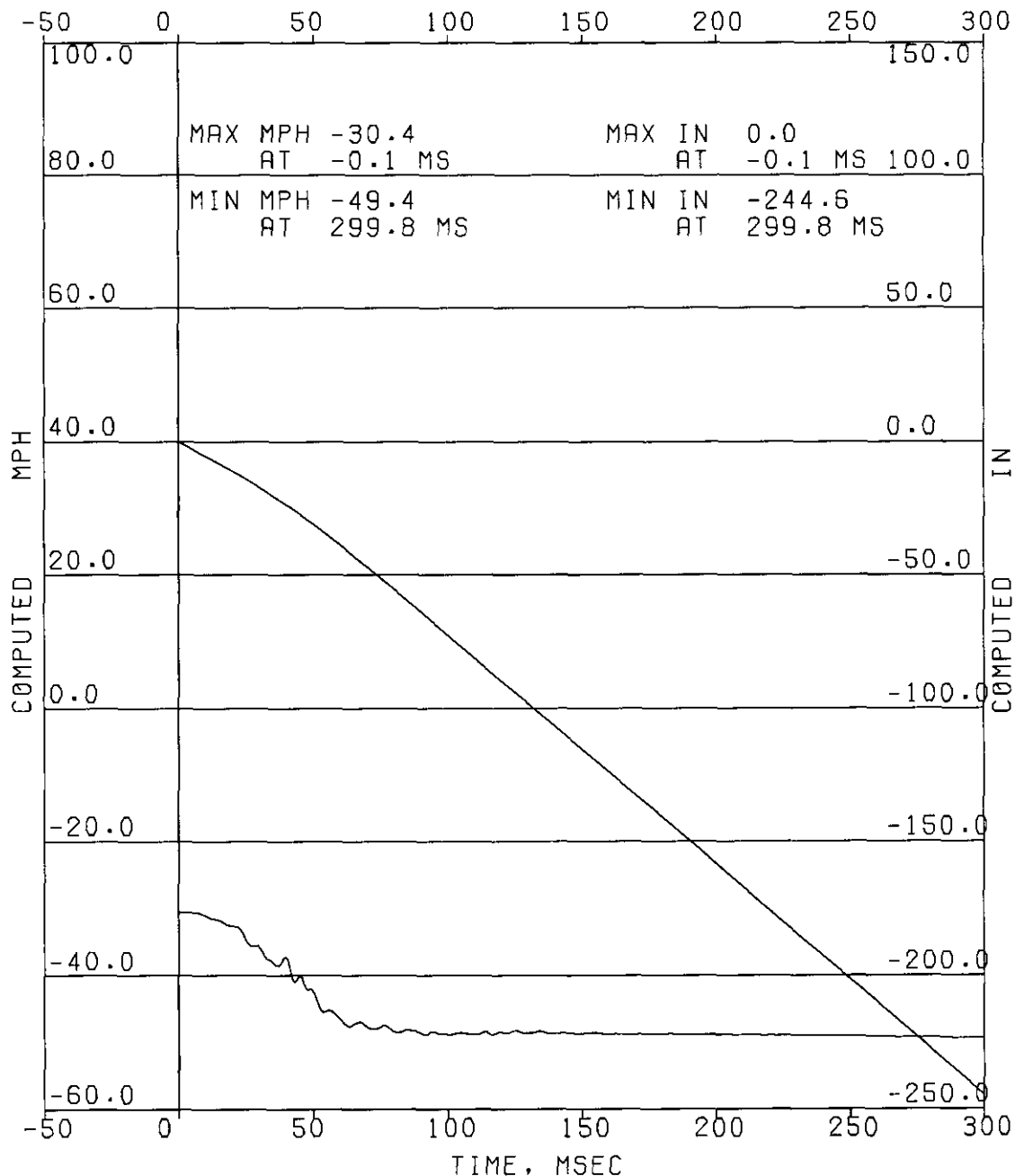




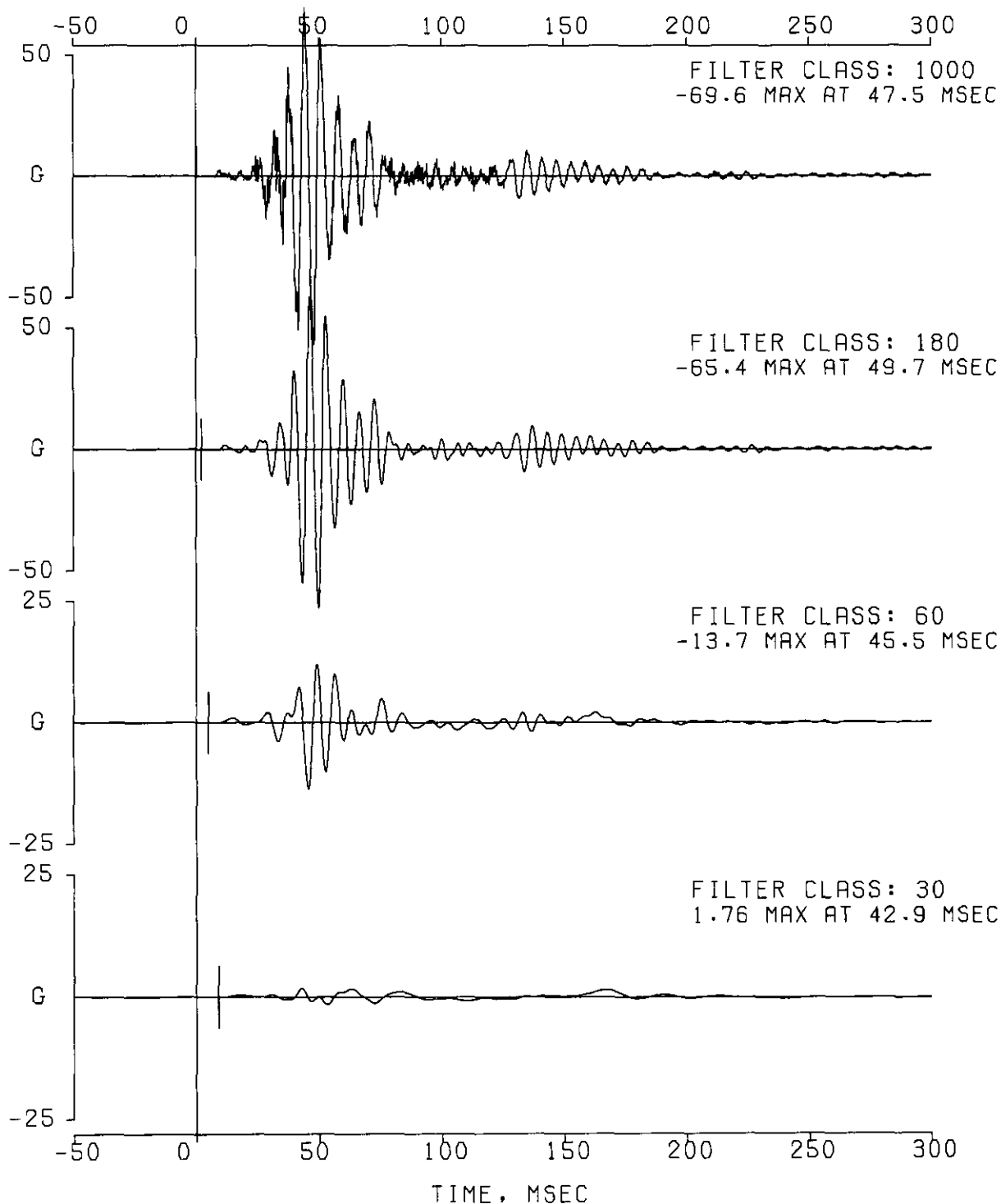
FILTER TYPE: 08DAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

DATA SET 01/29/01BH
ERRATA 1

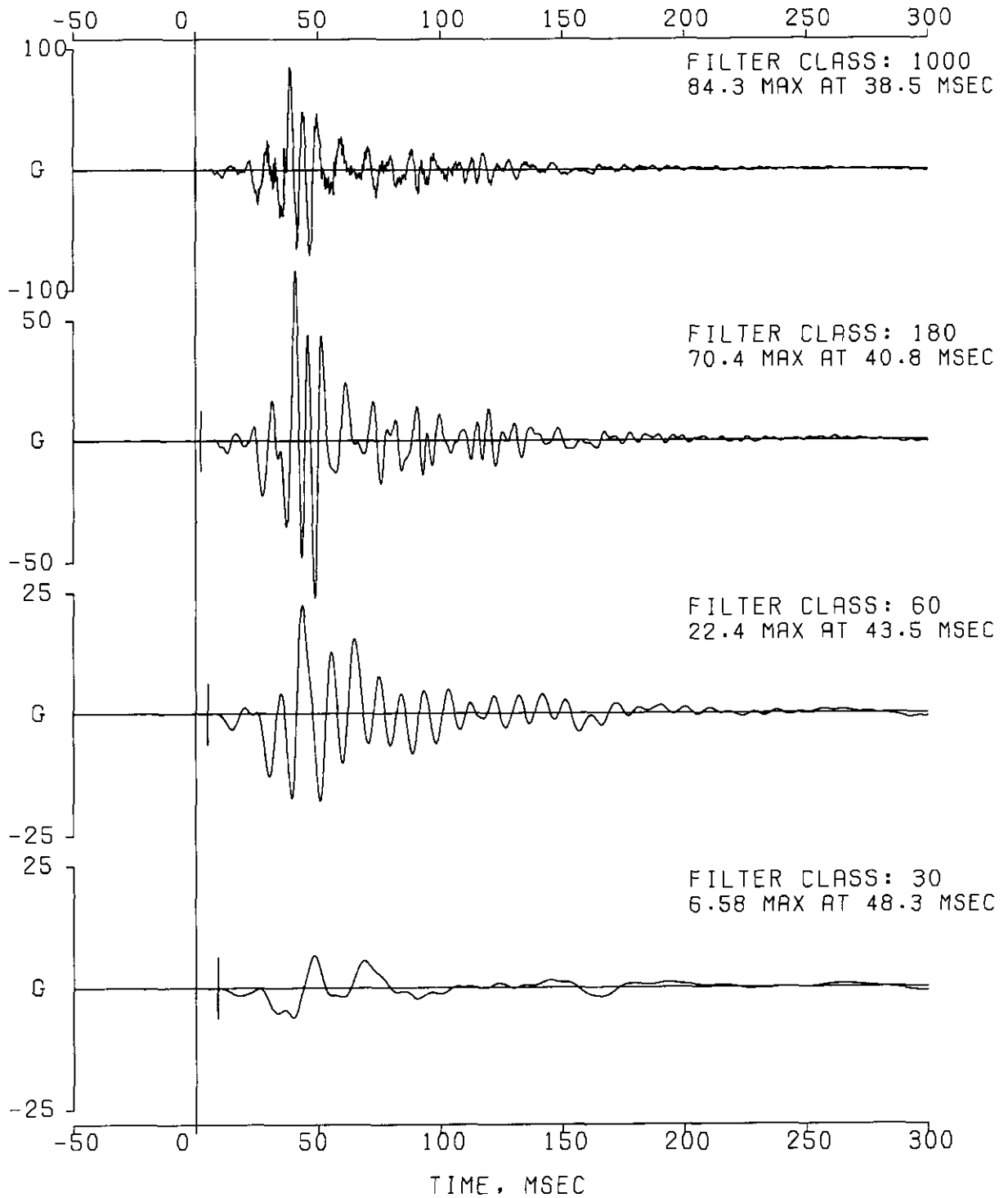


COMPUTED MPH
COMPUTED IN



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 019 ORC TOP FT LT Z P13322
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

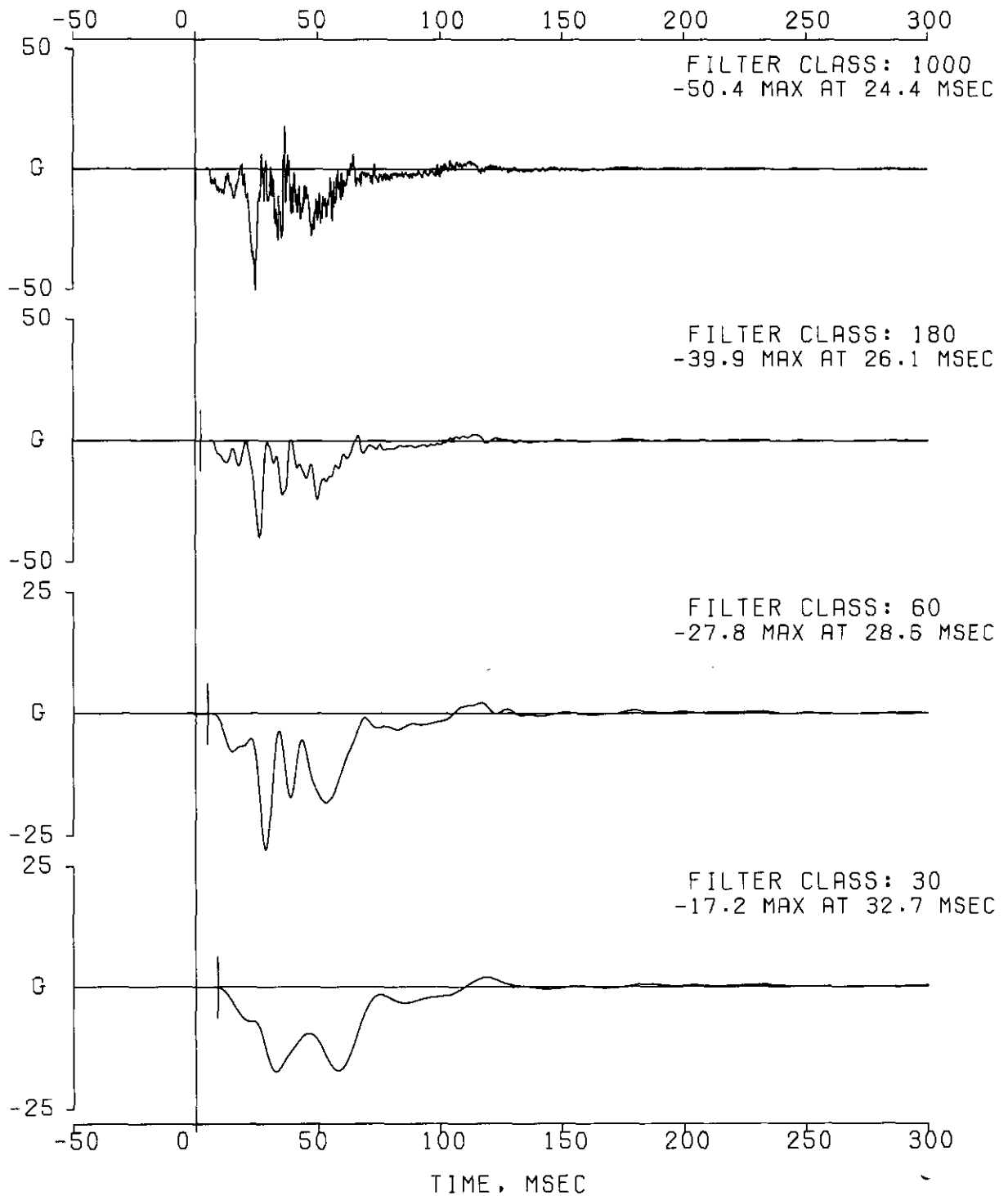
PAGE 034
OF 050
DATA SET 01/29/01BH
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 020 LEFT FRONT SILL X ETBBB21
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

PAGE 035
OF 050

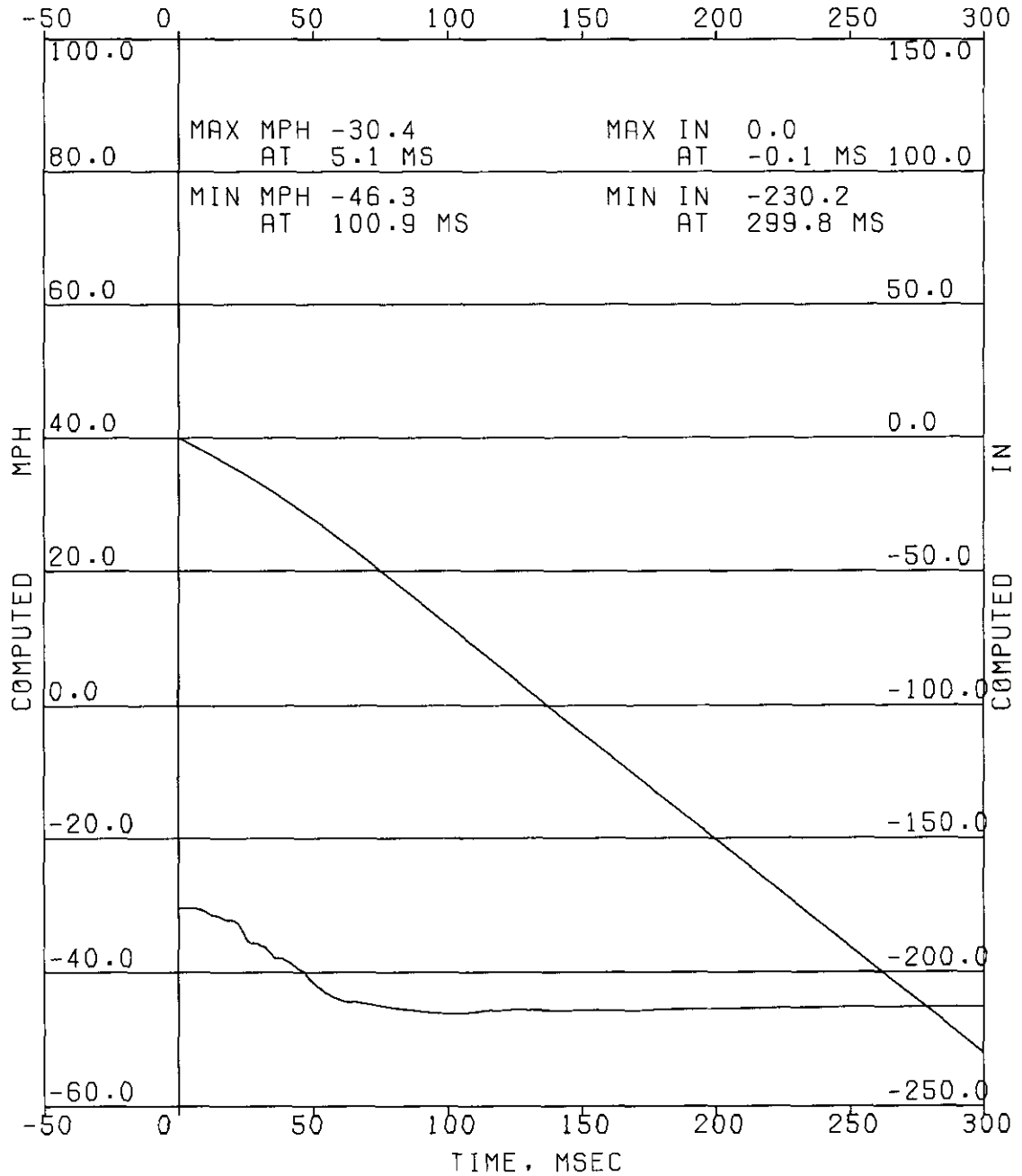
DATA SET 01/29/01BH
ERRATA 1



FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

DATA SET 01/29/01BH
ERRATA 1

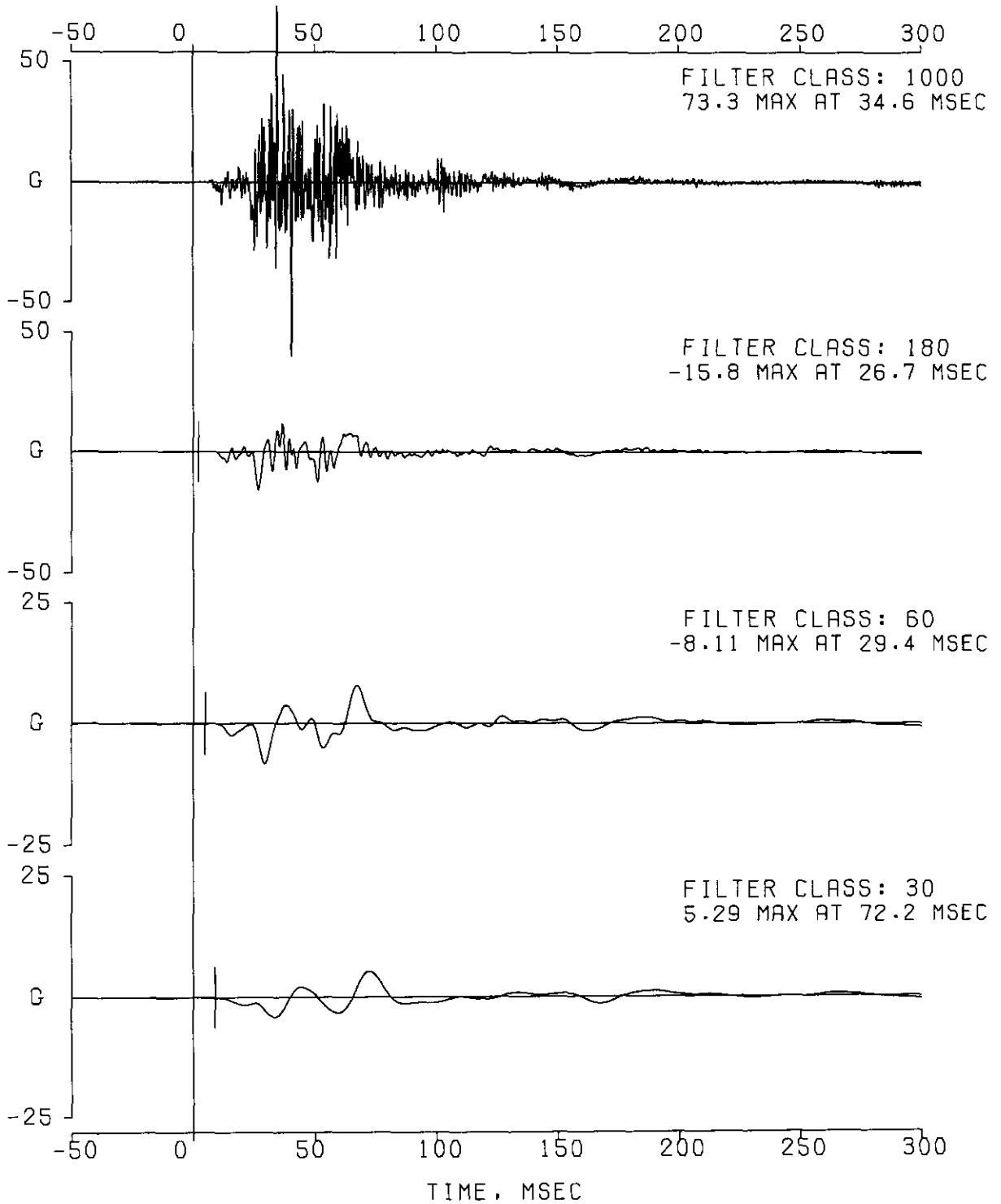


COMPUTED MPH
COMPUTED IN

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 021 LEFT FRONT SILL Z ETBBB33
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

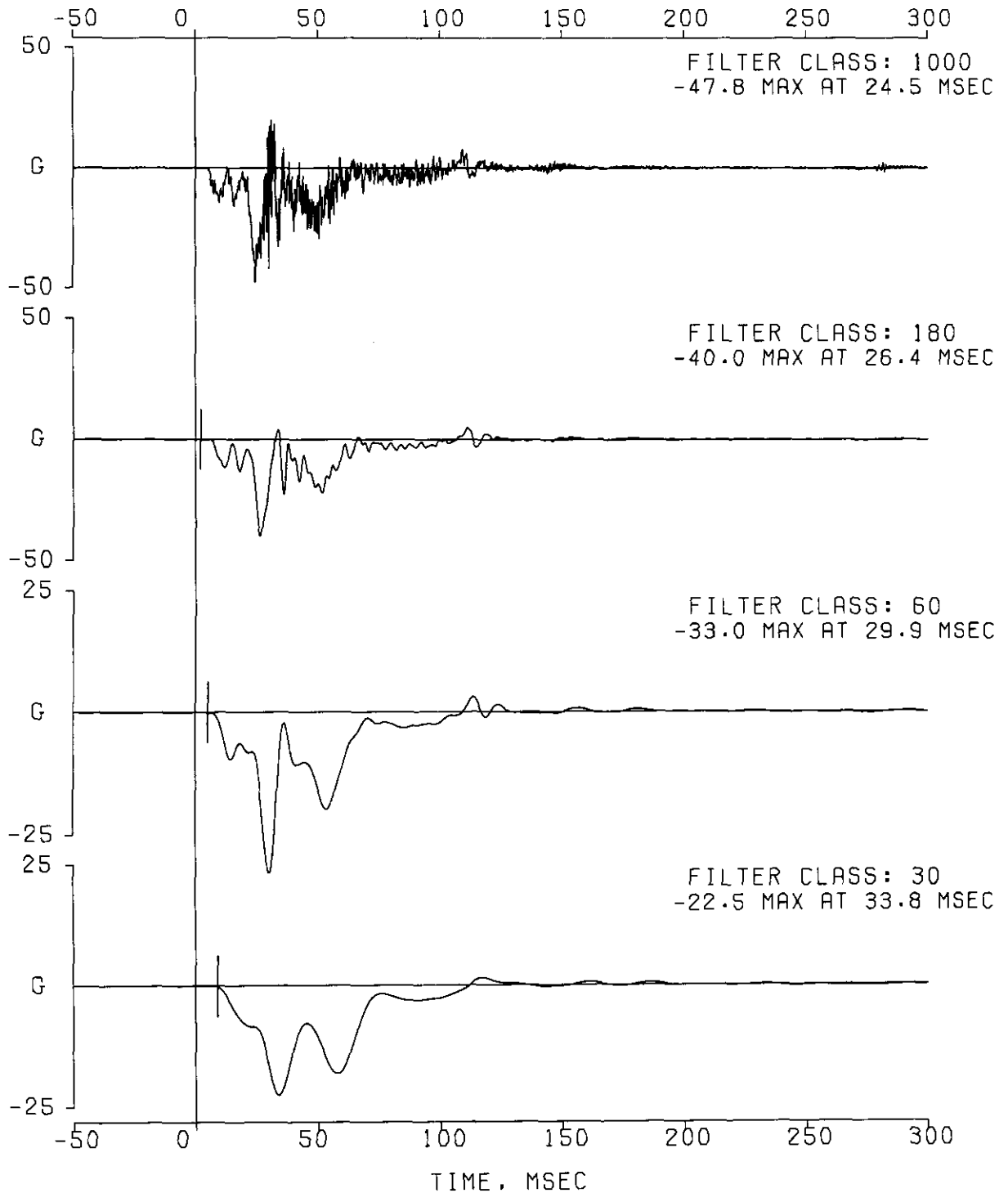
PAGE 037
OF 050

DATA SET 01/29/01BH
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 022 RIGHT FRONT SILL X J17456
FILTER TYPE: OBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

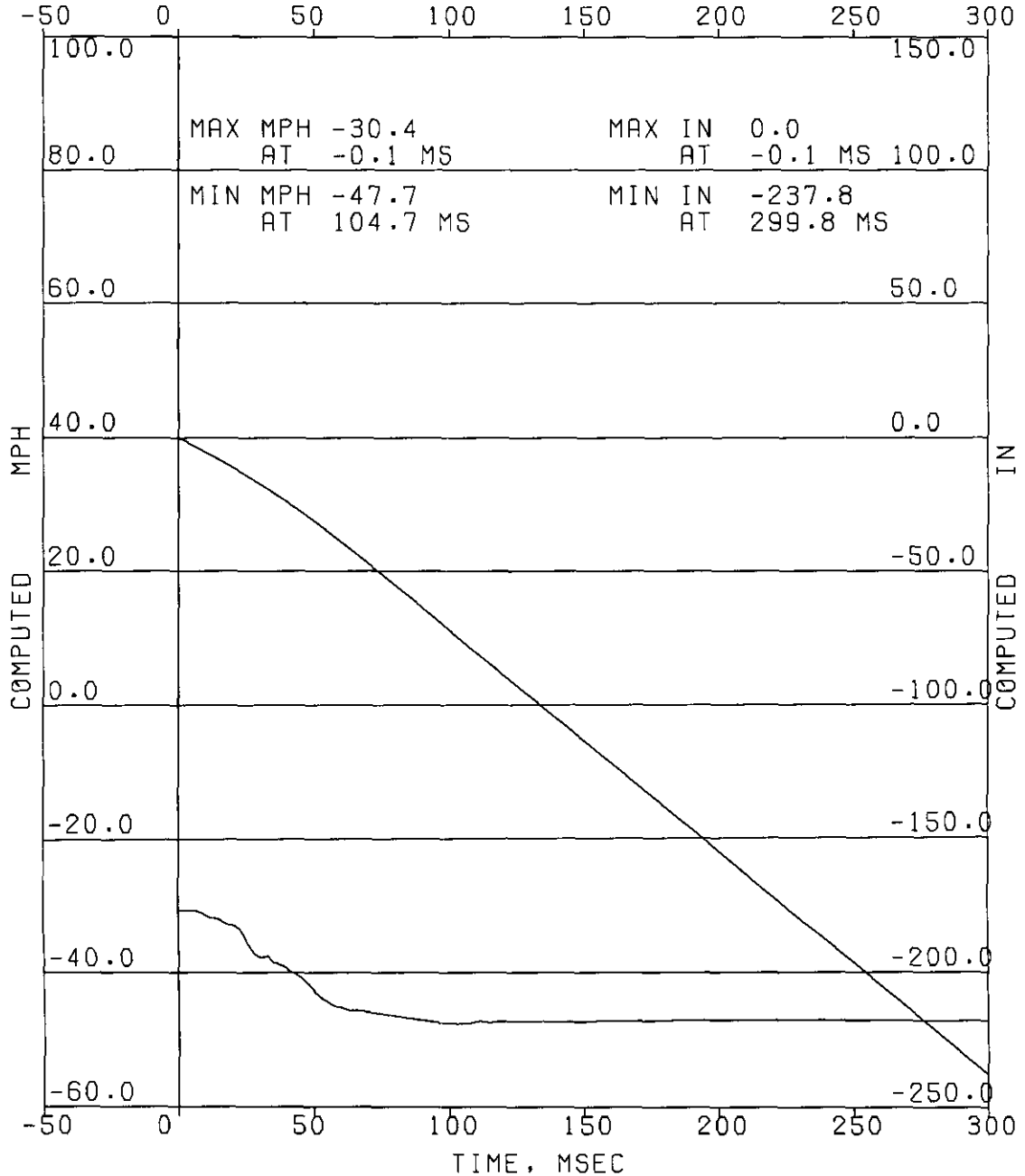
PAGE 038
OF 050
DATA SET 01/29/01BH
ERRATA 1



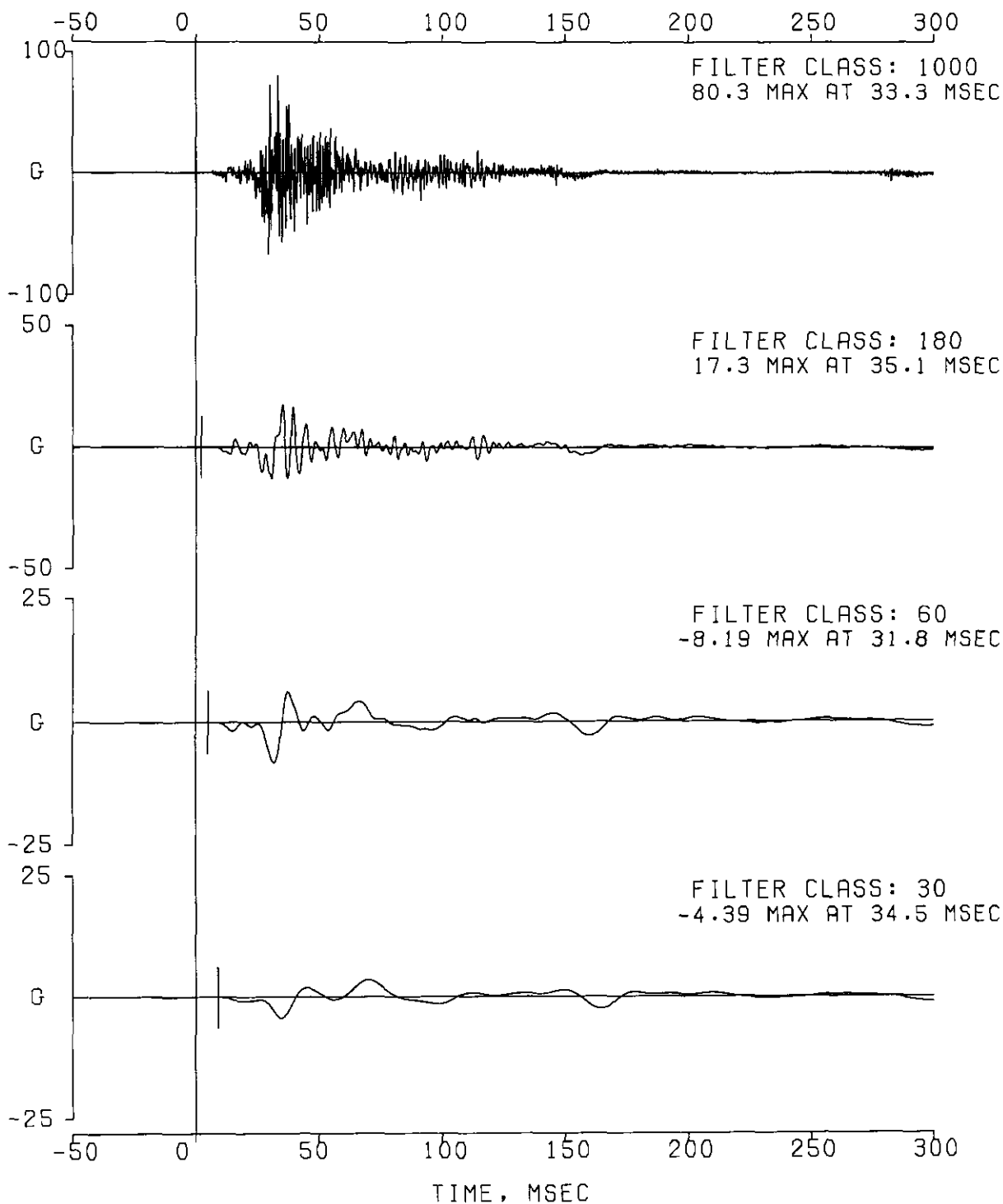
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

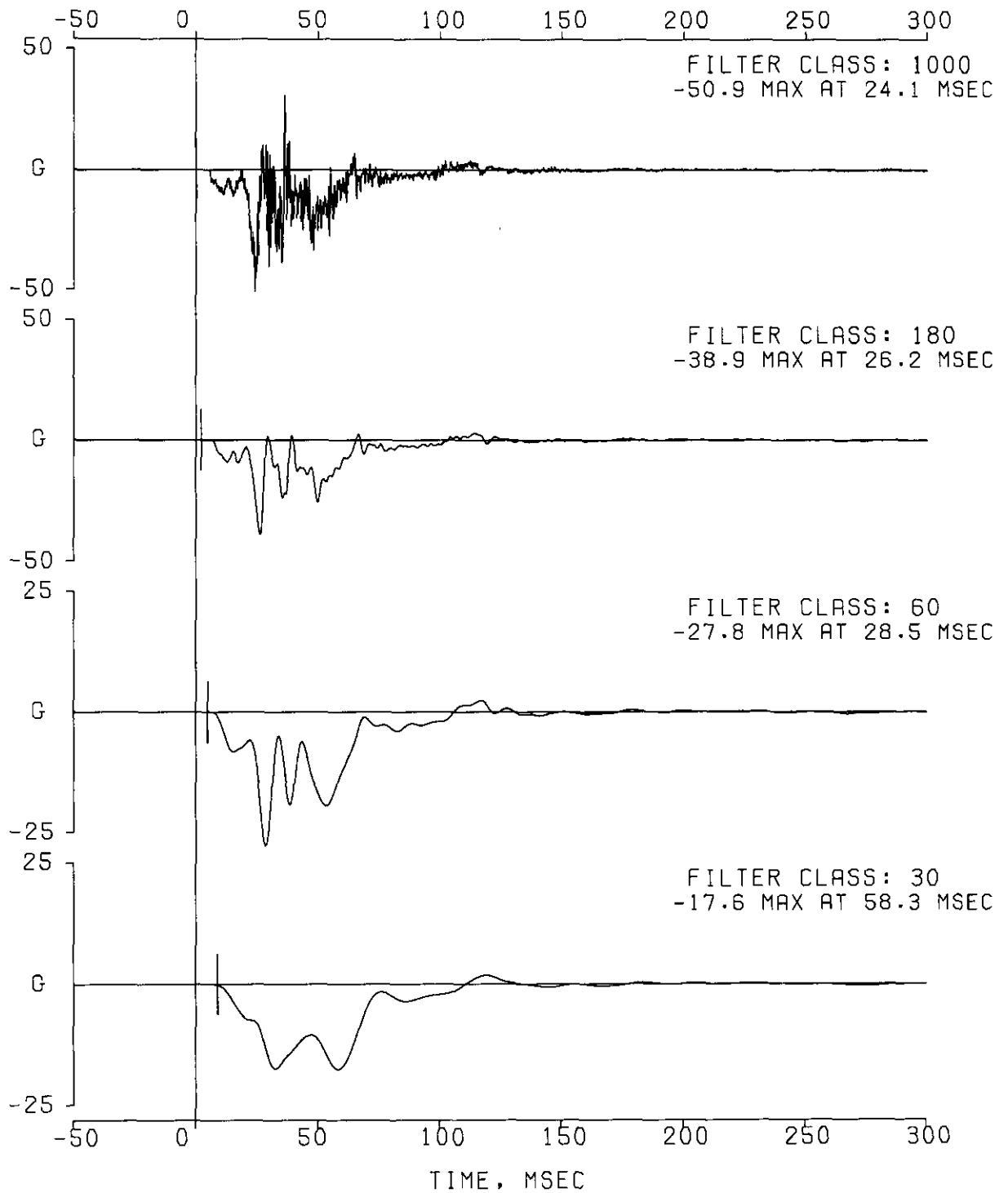
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

DATA SET 01/29/01BH
ERRATA 1



COMPUTED MPH
COMPUTED IN

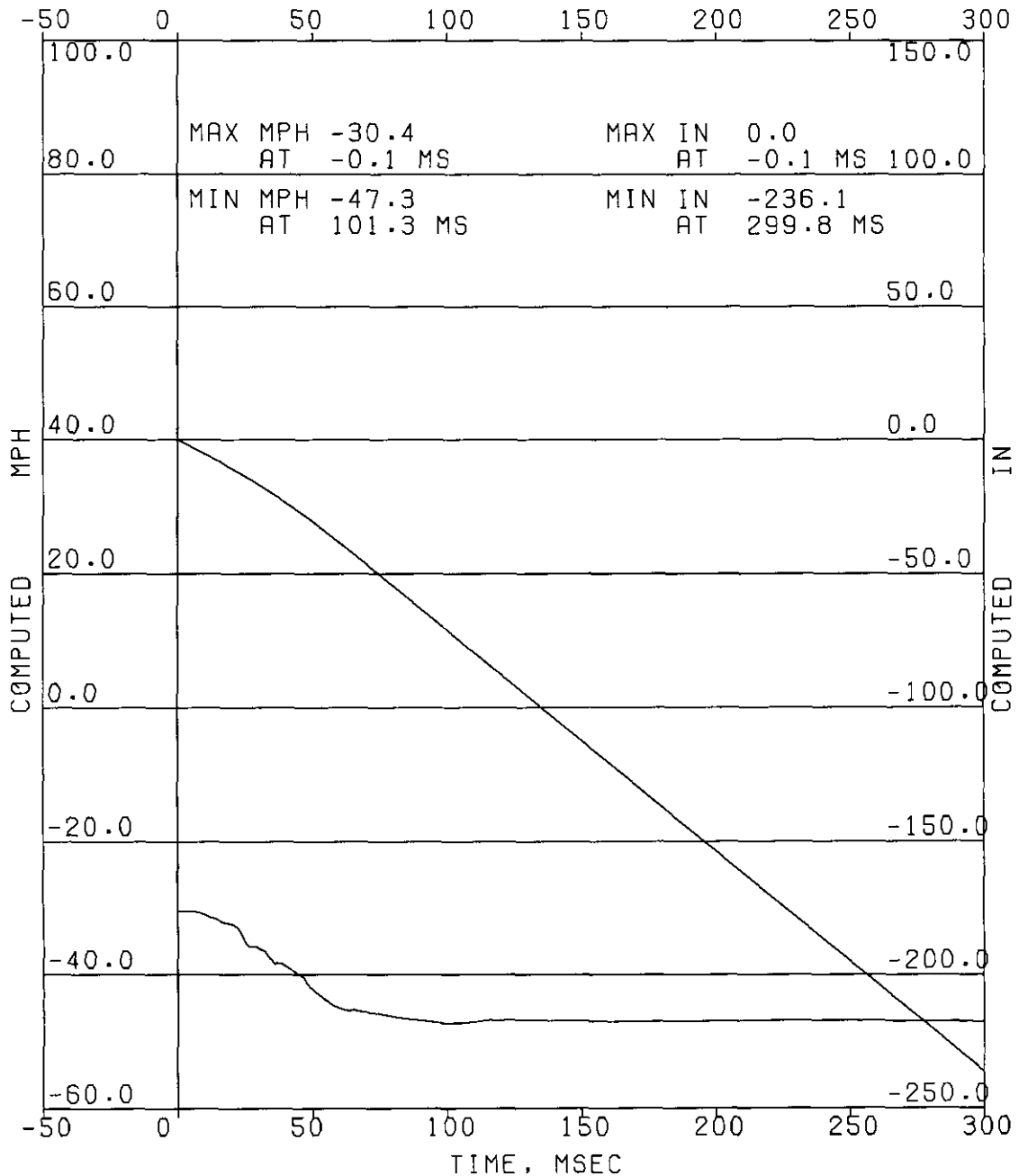




FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

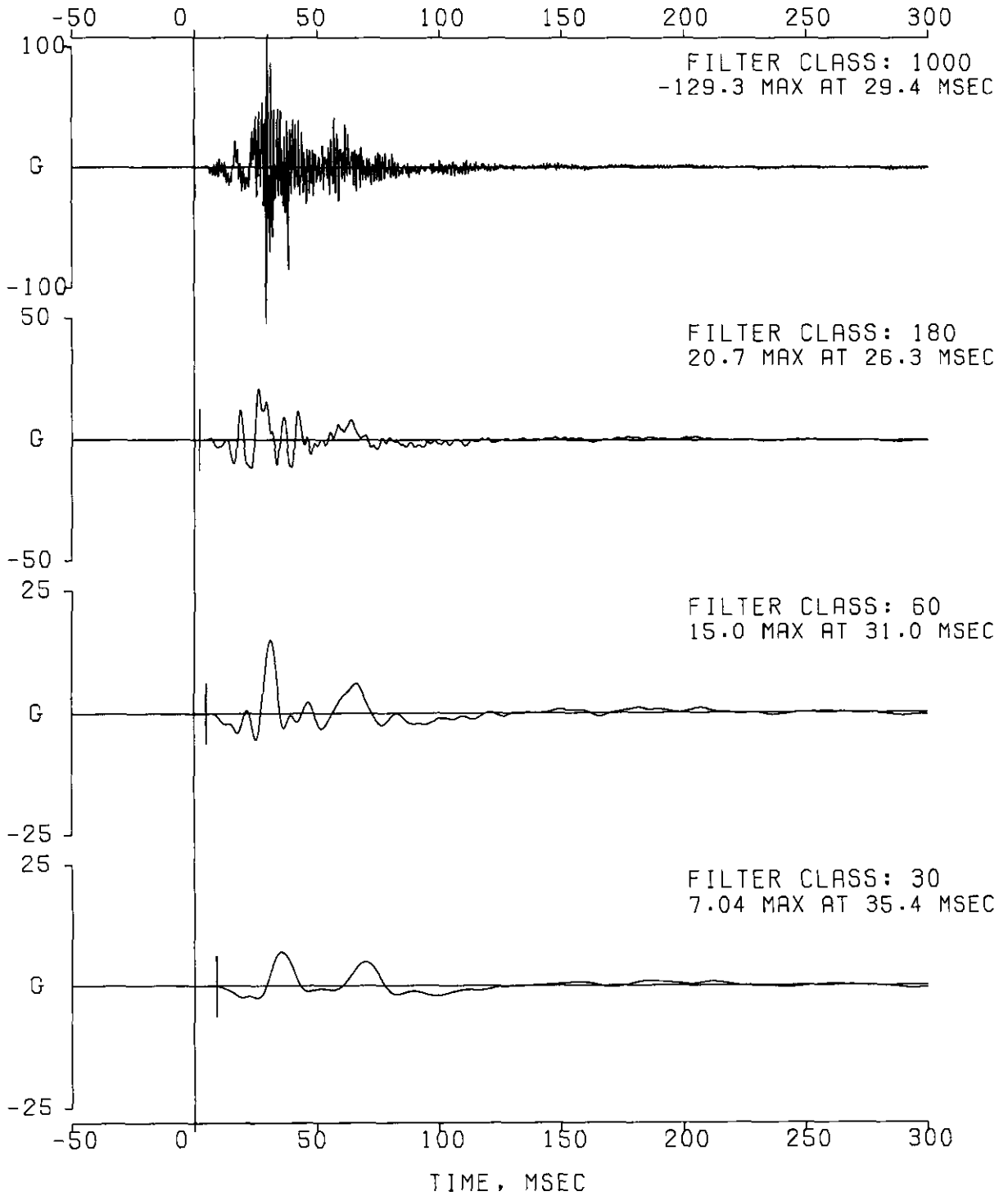
DATA SET 01/29/01BH
ERRATA 1



COMPUTED MPH
COMPUTED IN

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 025 LEFT REAR SILL Z ETB8892
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

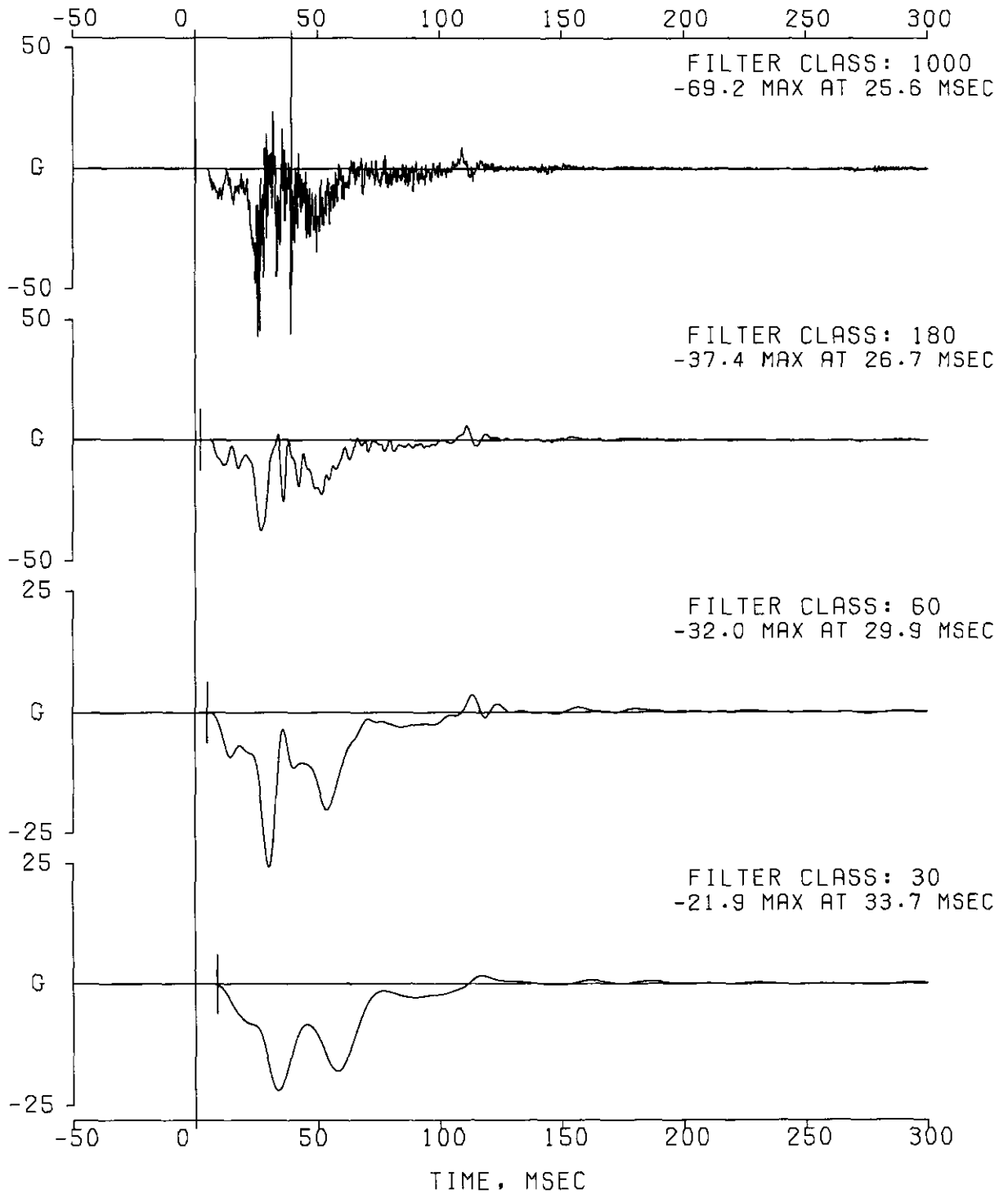
PAGE 043
OF 050
DATA SET 01/29/01BH
ERRATA 1



VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 026 RIGHT REAR SILL X AABE9J
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

PAGE 044
OF 050

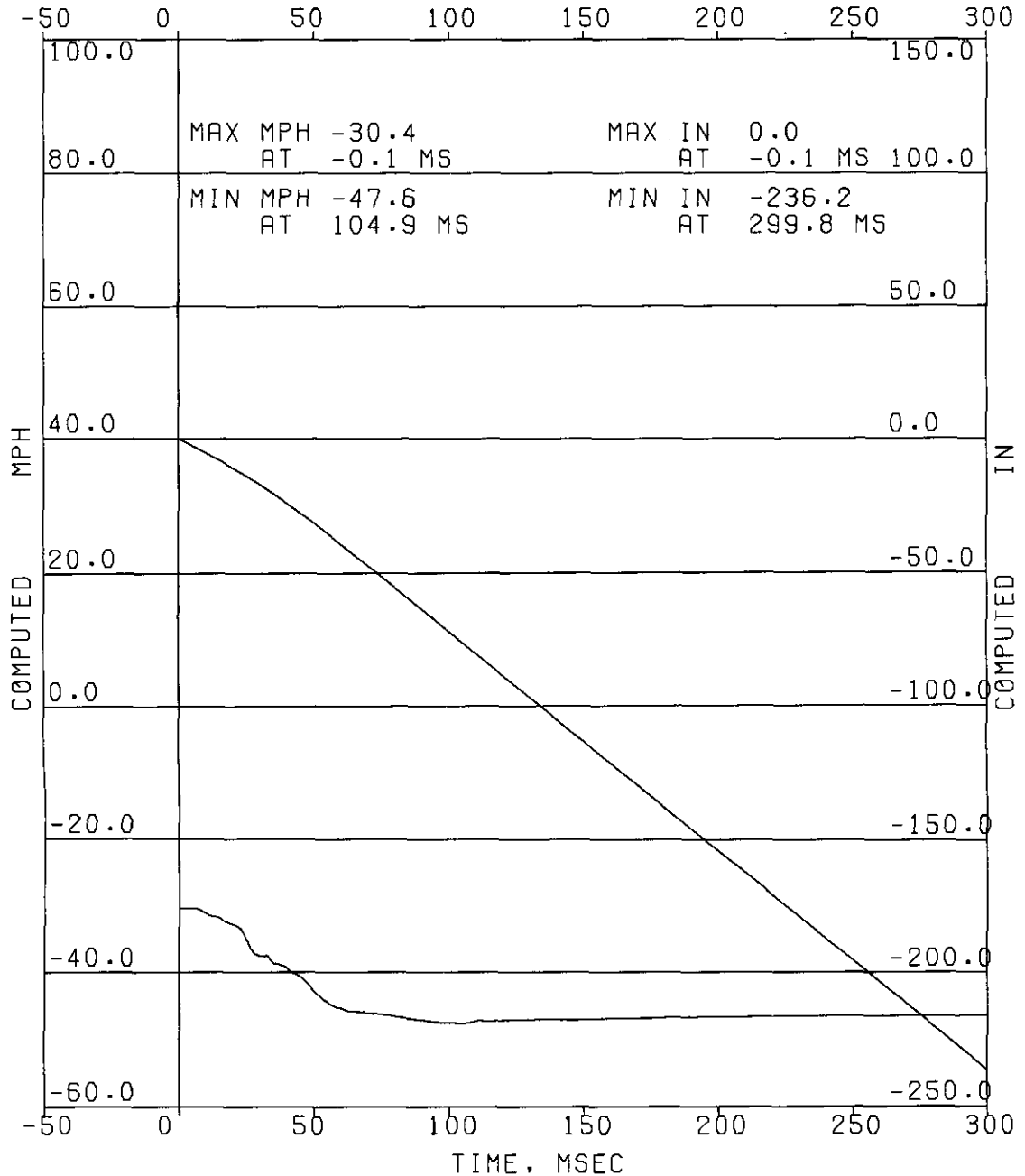
DATA SET 01/29/01BH
ERRATA 1



FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

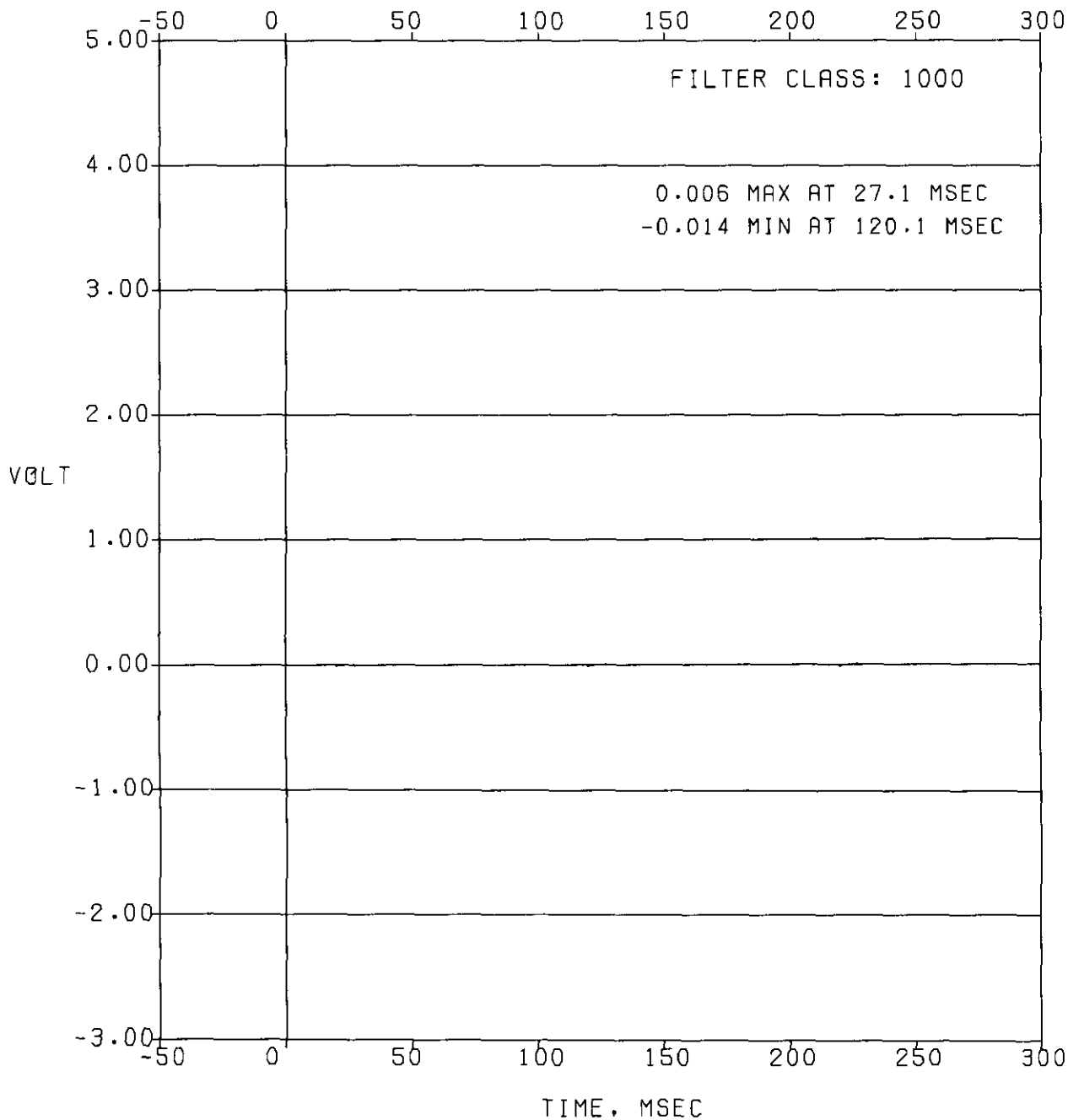
DATA SET 01/29/01BH
ERRATA 1



COMPUTED MPH
COMPUTED IN

CHANNEL 028 DRIVER SQUIB EVENT EE

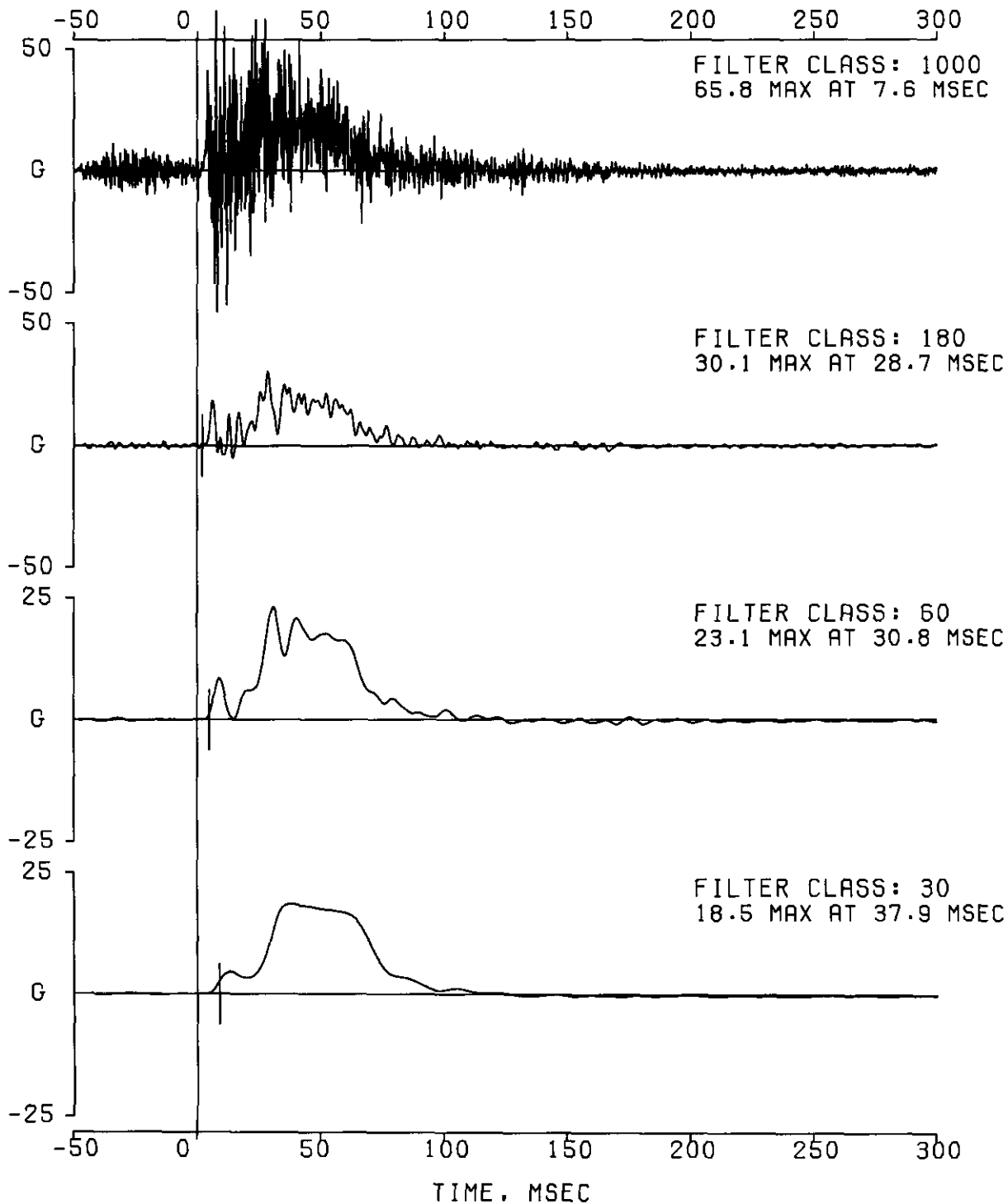
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320 DATA SET 01/29/01BH
JAN 30.2001 ERRATA 1



***** NOTE *****
***** NO EVENT *****

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 033 LT RAIL MBAR MID X 14414
FILTER TYPE: OBOAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30.2001

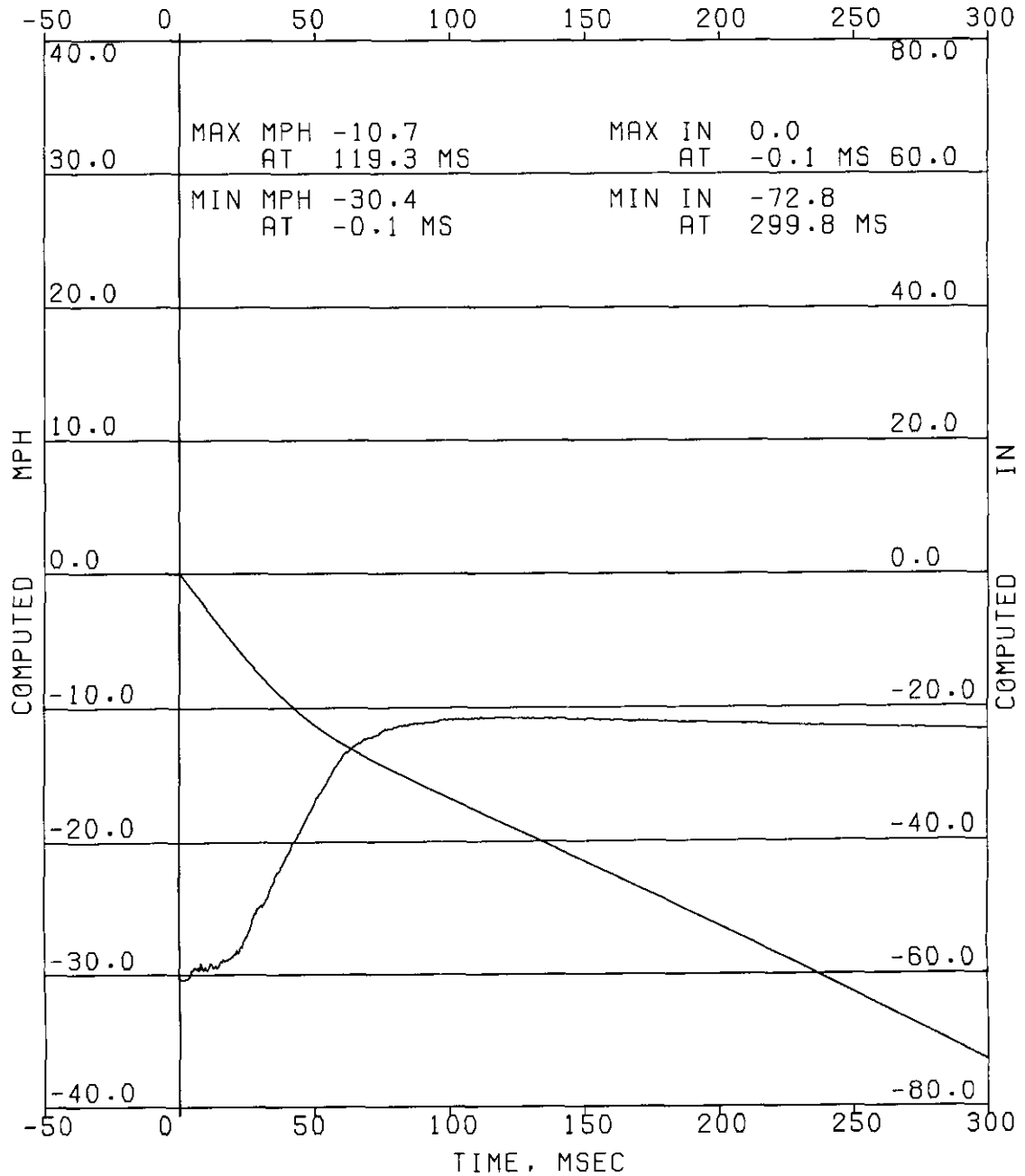
PAGE 047
OF 050
DATA SET 01/29/01BI
ERRATA 1



FILTER TYPE: QBDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30, 2001

DATA SET 01/29/01BI
ERRATA 1

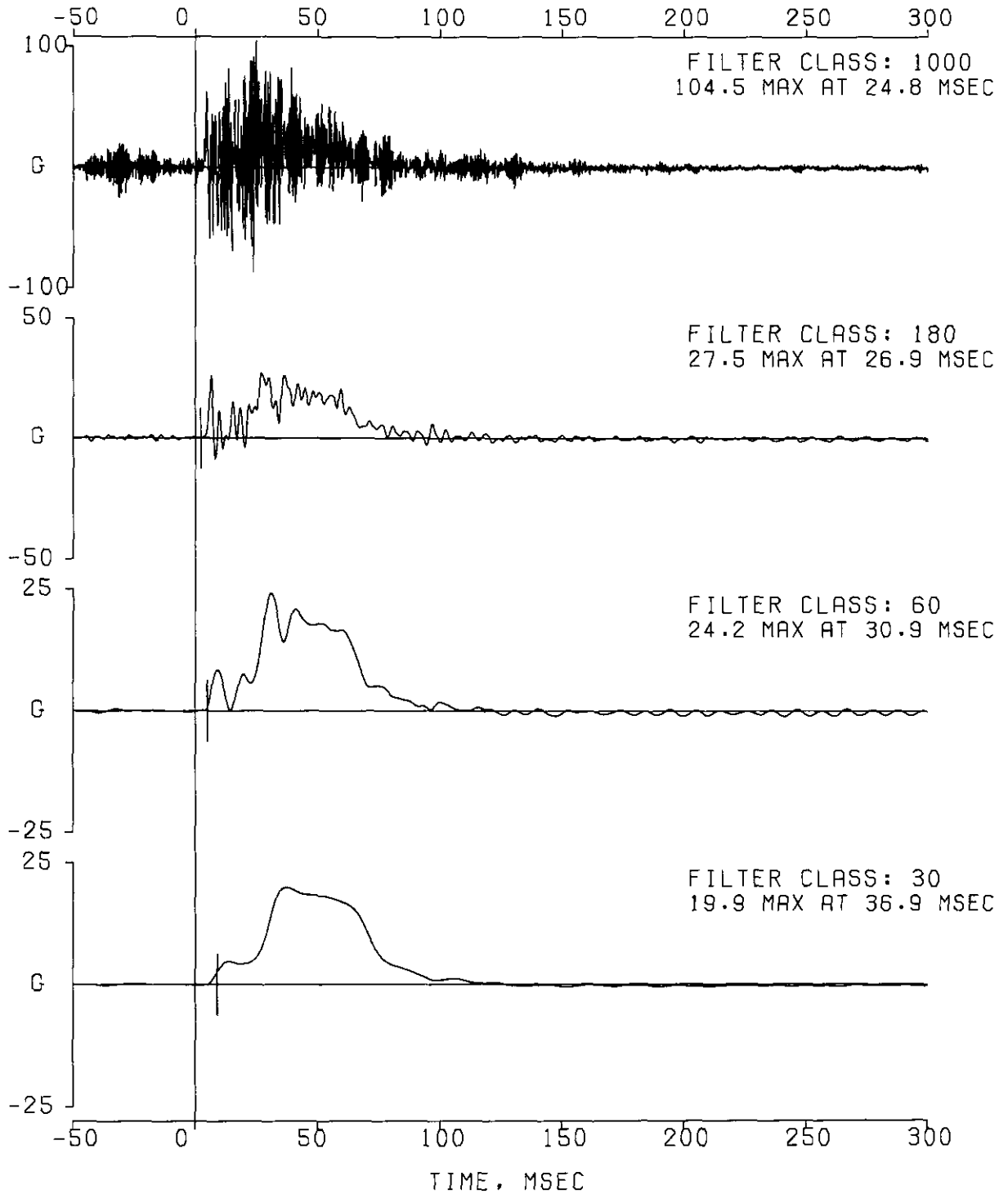


COMPUTED MPH
COMPUTED IN

VC09026 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ9472
2002 MVSS REAR IMPACT COMPLIANCE
CHANNEL 034 RT RAIL MBAR MID X 510091
FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
IMPACT ANALYSIS DEPT. 5320
JAN 30.2001

PAGE 049
OF 050

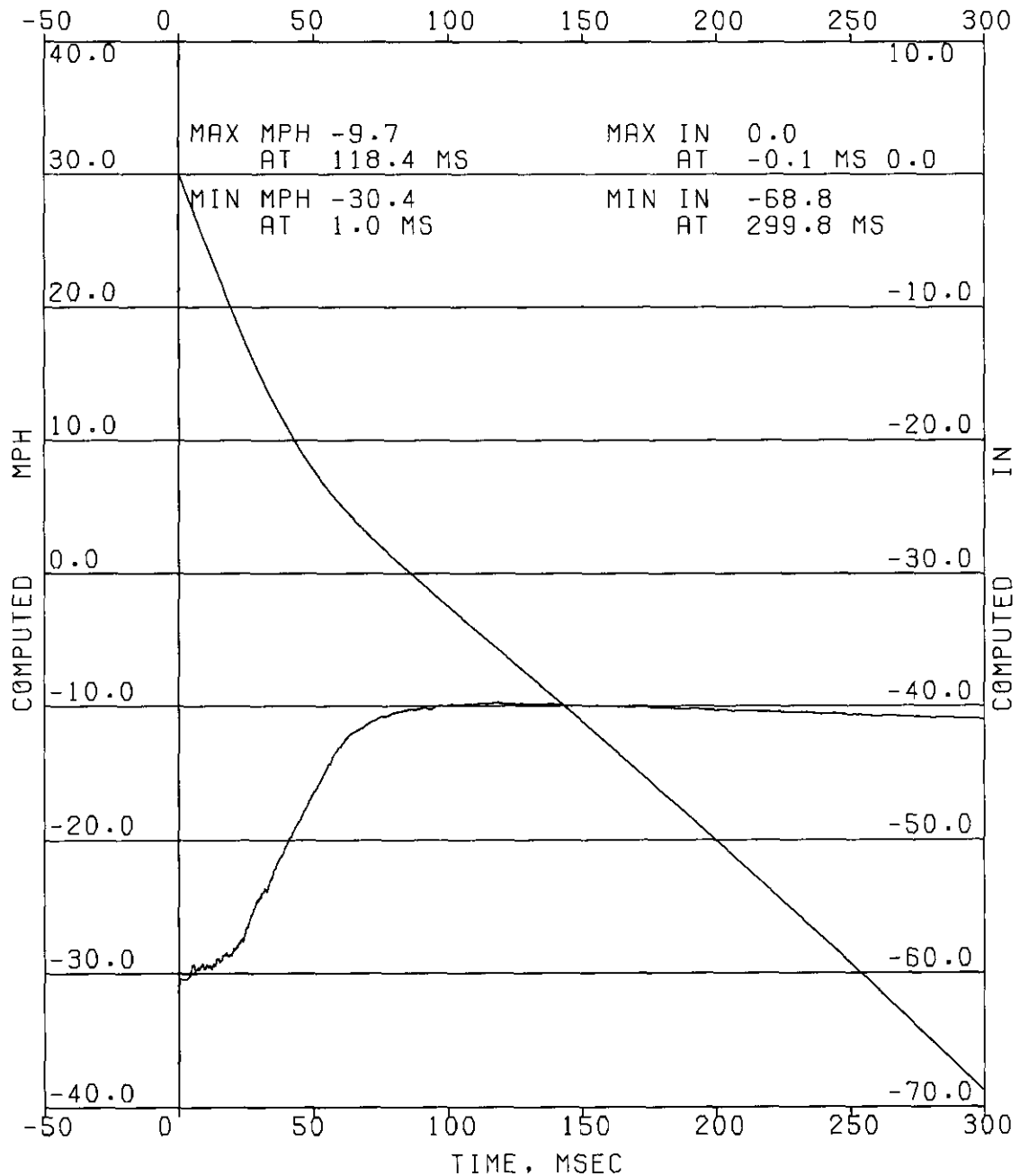
DATA SET 01/29/01BI
ERRATA 1



FILTER TYPE: 0BDAS-III RESPONSE CORRECTION, CLASS 1000 FILTER(1650)
FILTER CLASS: 1000

IMPACT ANALYSIS DEPT. 5320
JAN 30,2001

DATA SET 01/29/01BI
ERRATA 1



COMPUTED MPH
COMPUTED IN

DATE 03/20/03
TIME 14:37:48.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC10546 ITEM KJ4W100041
VC10546 48.3 KPH REAR (FULL) TYPE IV ITEM KJ4W100041
04 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 03/10/03
TEST SITE MORTON-AUTOLIV

TEST PURPOSE PRIMARY, 2004 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; J
BODY; 74
ENGINE; 3.7 LITER
ENGINE NOTE; V6
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J8GL38K74W [REDACTED] MOD.
VIN AS BUILT; 1J8GL38K74W [REDACTED] MOD.

TEST SPEED 48.8 KPH BY ELECTRONIC TRAP TIMER 1

TEST WEIGHT (KG) 2245.3 TOTAL, 1170.7 FRONT, 1074.6 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-TA1
RESTRAINT- 3-PT UNIBELT ONLY
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-TA2
RESTRAINT- 3-PT UNIBELT ONLY

DATE 03/20/03
TIME 14:37:48.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC10546 ITEM KJ4W100041
VC10546 48.3 KPH REAR (FULL) TYPE IV ITEM KJ4W100041
04 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 03/10/03
TEST SITE MORTON-AUTOLIV

BUILD CONDITION ORIGINAL BUILD: 2004 S1 BUILT LIBERTY RENEGADE --
FLEET #: C4KJJ-0212
MODIFICATIONS: - REMOVED ONE OF THREE DOOR HINGE
BOLTS FROM ALL FOUR PASSENGER DOORS
- DAB ADI9.2G V0 230KPA INFLATOR, 28" DIAMETER
COATED BAG, 2X27.5MM VENTS, I TEAR SEAM, 10"
TETHER, STAR FOLD
- PAB PPI32S 50/50 LS2 INFLATOR - CYLINDRICAL,
160 LITRES, 2X50 MM VENTS, NO TETHER, UNCOATED
585 DTEX MATERIAL, 50/50 FOLD
- INSTALLED PASSENGER AIRBAG COVER WITH H-PATTERN
TEAR SEAM
- INSTALLED DRIVER SEATBELT WITH MONOTWILL
RUKAFLEX WEBBING
- INSTALLED PASSENGER SEAT BELT WITH MONOTWILL
RUKAFLEX WEBBING, 9.5MM DIAMETER TORSION BAR,
PRETENSIONER, AND BUCKLE TENSION SENSOR
- DID NOT INSTALL PASSENGER SEAT BELT WIRING
HARNES TO PRETENSIONER
- DID NOT FLASH ORC WITH CALIBRATION 5

TARGET WEIGHT (KG) 2247 TOTAL, 1173 FRONT, 1074 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
136.1 KG BALLAST WEIGHT SECURED IN CARGO AREA

EDP TECHNICIAN S. MARCHENIA

No. of Pages 23
CC

R. BORTOLIN 514-17-39
M. STEBELTON 422-05-01

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC10546 48.3 KPH REAR (FULL) TYPE IV ITEM KJ4W100041
04 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 03/10/03
TEST SITE MORTON-AUTOLIV

TEST PURPOSE PRIMARY, 2004 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; J
BODY; 74
ENGINE; 3.7 LITER
ENGINE NOTE; V6
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J8GL38K74W [REDACTED] MOD.
VIN AS BUILT; 1J8GL38K74W [REDACTED] MOD.

TEST SPEED 48.8 KPH BY ELECTRONIC TRAP TIMER 1

TEST WEIGHT (KG) 2245.3 TOTAL, 1170.7 FRONT, 1074.6 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-TA1
RESTRAINT- 3-PT UNIBELT ONLY
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-TA2
RESTRAINT- 3-PT UNIBELT ONLY

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 02

VC10546 48.3 KPH REAR (FULL) TYPE IV ITEM KJ4W100041
04 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 03/10/03
TEST SITE MORTON-AUTOLIV
BUILD CONDITION

ORIGINAL BUILD: 2004 S1 BUILT LIBERTY RENEGADE --
FLEET #: C4KJJ-0212
MODIFICATIONS: - REMOVED ONE OF THREE DOOR HINGE
BOLTS FROM ALL FOUR PASSENGER DOORS
- DAB ADI9.2G V0 230KPA INFLATOR, 28" DIAMETER
COATED BAG, 2X27.5MM VENTS, I TEAR SEAM, 10"
TETHER, STAR FOLD
- PAB PPI32S 50/50 LS2 INFLATOR - CYLINDRICAL,
160 LITRES, 2X50 MM VENTS, NO TETHER, UNCOATED
585 DTEX MATERIAL, 50/50 FOLD
- INSTALLED PASSENGER AIRBAG COVER WITH H-PATTERN
TEAR SEAM
- INSTALLED DRIVER SEATBELT WITH MONOTWILL
RUKAFLEX WEBBING
- INSTALLED PASSENGER SEAT BELT WITH MONOTWILL
RUKAFLEX WEBBING, 9.5MM DIAMETER TORSION BAR,
PRETENSIONER, AND BUCKLE TENSION SENSOR
- DID NOT INSTALL PASSENGER SEAT BELT WIRING
HARNES TO PRETENSIONER
- DID NOT FLASH ORC WITH CALIBRATION 5

TARGET WEIGHT (KG) 2247 TOTAL, 1173 FRONT, 1074 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
136.1 KG BALLAST WEIGHT SECURED IN CARGO AREA

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

DISTRIBUTION M. STEBELTON 422-05-01 (AB)
R. BORTOLIN 514-17-39 (AB)
DATE 03/20/03 TIME 09:09:39.

Test Request for VC10546/ JPE Item No.: KJ4W100041

Doc. Rev. #: 9


Key People:	
*Test Requester: Roger Bortolin/JTE/DC C/DCX Platform: JPE Phone: 733-1083 Others to be copied on correspondence related to this test: Eric G Willis/JTE/DCC/DCX Suzanne M Marsh/JTE/DCC/DCX	TEST STATUS: TEST COMPLETE Test Completed on 03/10/2003 TEST SITE: Morton-AutoLiv SLOT #: 1st Test of the Day SCHEDULED DATE: 03/10/2003 LAST MODIFIED / BY: 03/20/2003 08:26:19 AM by: Brian D Grenke <u>REQUESTOR'S NOTE PAD:</u>

INVOICE INFORMATION (Service Center Purpose)	
LOCATION:	1275
DEPARTMENT:	1060
COMMIT NUMBER:	
DO NUMBER:	

<u>CPG Personnel Assigned to This Test:</u>	
Test Engineer(s) Test Engineer Assigned: Test Engineer Check Completed By: Test Engineer Test Day: Film Analysis Liaison: Andre S Dsouza - 722-1916	Data Acquisition Engineer(s) Data Acquisition Test Engineer: Data Acquisition Check Completed By: Data Acquisition Write-Up Michael D Rhew - 836-5674 Engineer: INSTRUMENTATION on SECTION REVIEW COMPLETED BY:

Test Requested:

MVSS 301 30MPH Flat Rear Impact

*Procedure (Select One): SLT13500 *Target Speed: 48.3 KPH (30.0 MPH)  mph->kph *Best Estimate of Ship Date: 03/04/2003 Estimated Schedule Date:03/10/2003 Estimated Vehicle Buildup (Days):	Regulatory Purpose(s): <small>(used to determine numeric processing)</small> PRIMARY, 2004 USA 301-REAR COMPLIANCE
---	---


<p>Specific Test Date Required?: *When this test is complete, please send test property to: PROC</p>	
<p>*Stage of Development: <input checked="" type="radio"/> Compliance <input type="radio"/> Development</p>	<p>Priority (optional): <input checked="" type="radio"/> A <input type="radio"/> B <input type="radio"/> C</p>


******* All Required fields (*) must be entered up to this point for test specification to be accurate *******

Occupants For This Test:

1L - (Standard) H2-50TH MALE BALLAST DUMMY, 0 - CH, RESTRAINT- 3-PT UNIBELT ONLY, AD-TA1
1R - (Standard) H2-50TH MALE BALLAST DUMMY, 0 - CH, RESTRAINT- 3-PT UNIBELT ONLY, AD-TA2

FILM ANALYSIS AND PHOTOGRAPHIC VIEWS:

<p>Film Analysis Ordered: Targets and Views for 'If Requested' FA Only</p> <p>Film Analysis "If Requested": VELOCITY</p> <p>Test Site Constraints based on Film Analysis: Advanced Film Analysis Req'd: CPG site recommended</p> <p>Film Analysis Requested - Custom: No Custom</p>	<p> Photographic Views Required:</p> <ul style="list-style-type: none"> >>VELOCITY HG2000 >>CATWALK VEHICLE REAR MDB INTERACTION >>RIGHT OVERALL >>PIT FUEL FILLER TUBE >>PIT FUEL TANK: view to show entire tank plus axle and rear cross member >>LEFT OVERALL <hr/> <p><u>IMAGING PRODUCT ORDER:</u> VCE PROVIDES ONE ORIGINAL AND ONE PRINT 16 MM FILM REEL WITH EACH TEST.</p>
---	---

<p> Still Photos Required:</p>			
<p>STANDARD VIEWS FOR: REAR</p>			<p>ADDITIONAL STILL PHOTOS:</p>
<p>TOP REAR BOTTOM REAR FUEL FILL TUBE FILLER KEYWAY ACCELS (# OF SHOTS)</p>	<p>PRE</p>	<p>POST</p>	<p>Pre-Test Still Photo: top rear Pre-Test Still Photo: bottom rear Pre-Test Still Photo: fuel filler tube Pre-Test Still Photo: filler keyway Post-Test Still Photo: top rear Post-Test Still Photo: bottom rear Post-Test Still Photo: fuel filler tube Post-Test Still Photo: filler keyway</p>

FILM ANALYSIS REPORT UPDATE:

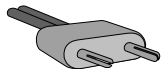
(This Section Indicates the Status of Film Analysis Completion)

FA NAME	PUBLISHED	REISSUED	CANCELLED	COMMENTS



Vehicle Information:


<p>Program: 04 KJ </p> <p>Core Item No.: KJ4W100041</p> <p>NOTE: the Core Item No. cannot exceed 10 characters in length.</p> <p>Restrike No.: R</p> <p><input type="checkbox"/> Right-Hand Drive <input type="checkbox"/> Competitive Car</p> <p>CAR LINE: J BODY: 74 Number of Doors in this Vehicle: 4 Vehicle Build Level: S1</p> <p><i>Other Vehicle Configuration Flag (optional word or short phrase to use in further sorting of platform reports):</i></p> <p>VIN(as built): 1J8GL38K74W </p> <p>VIN(as tested): 1J8GL38K74W </p>	<p>Vehicle Readiness to Ship:</p> <p><i>THIS IS A MINIMALLY MODIFIED VEHICLE, NO CHECKLIST IS REQUIRED</i></p>
<p>ENGINE: 3.7 Liters ENGINE NOTE: V6</p> <p>TRANSMISSION: 5 SPEED MANUAL</p> <p>TRANS. NOTE:</p> <p>DRIVE: 4 X 4</p> <p>GVW (opt): kg</p>	<p>Vehicle Logistics:</p> <p><i>Note: Vehicle must be fully inspected prior to shipment to test site.</i></p> <p><input type="checkbox"/> Yes</p> <p style="text-align: right;">Start Date: End Date:</p> <p>EMD Work Oder: Wet Fuels Work Order:</p> <hr/> <p>Shipped to Test Site: Rec'd at Test Site: 09/12/2003 Returned from Test Site: When I expect vehicle to be off hold:</p>



Instrumentation Build Info:

General Instrumentation Requirements:	
Modules Used: Other Notes:	Pyrotechnics Used: Deployment Method:

<p>FUEL PUMP RUNNING DURING TEST</p>	<p style="text-align: center;">No Deployment</p> <p>Deployment Notes:</p>
--------------------------------------	--

Vehicle Channel Entry:	List of Dummy Channel Titles Used on this Test:
<p>Create New Instrumentation Sheet</p> <p>Attach Instrumentation Sheet Here: <i>DO NOT ATTACH MORE THAN ONE FILE TO THIS FIELD.</i></p> <div style="border: 1px solid green; padding: 2px; display: inline-block;">  </div> <p>instKJ4w100041.xl 100041 Attach New or Replacement Sheet</p> <ul style="list-style-type: none"> Protected section of instrumentation sheet indicates minimum instrumentation requirements for the test selected and may only be modified by your Data Acquisition Engineer. Please indicate all changes made to the spreadsheet after Test Request submission at the base of the spreadsheet. 	<p>BALLAST DUMMY- NO CHANNELS-1L BALLAST DUMMY- NO CHANNELS-1R</p>

<p>Total Occupant Channels: 0</p> <p>Total Vehicle Channels: 15</p> <p>Estimated Vehicle Buildup Time (days):</p> <p>TOTAL ON-BOARD CHANNELS FOR THIS TEST: 15</p>	<p style="text-align: center;">Total Data Acq. Boxes Required: 1 Channels in Last Data Acq. Box : 15 out of 32</p>
--	--

Build Condition as Reported in Test Letter:

<p>Paragraph summarizing the original build condition of this vehicle (This will appear in the Test Letter as shown, please describe any unique features this vehicle was originally built with. If this is a mule vehicle, please describe the <u>original</u> vehicle model and model year):</p> <p style="text-align: center;">ORIGINAL BUILD:</p> <p style="text-align: center;">2004 S1 BUILT LIBERTY RENEGADE -- FLEET #: C4KJJ-0212</p> <p>Paragraph summarizing the modifications made to the original build prior to test (This will appear in the Test Letter as shown, please describe any modifications affecting test performance):</p> <p>MODIFICATIONS :</p> <ul style="list-style-type: none"> - REMOVED ONE OF THREE DOOR HINGE BOLTS FROM ALL FOUR PASSENGER DOORS - DAB ADI9.2G V0 230KPA INFLATOR, 28" DIAMETER COATED BAG, 2X27.5MM VENTS, I TEAR SEAM, 10" TETHER, STAR FOLD - PAB PPI32S 50/50 LS2 INFLATOR - CYLINDRICAL, 160 LITRES, 2X50 MM VENTS, NO TETHER, UNCOATED 585 DTEX MATERIAL, 50/50 FOLD - INSTALLED PASSENGER AIRBAG COVER WITH H-PATTERN TEAR SEAM - INSTALLED DRIVER SEATBELT WITH MONOTWILL RUKAFLEX WEBBING - INSTALLED PASSENGER SEAT BELT WITH MONOTWILL RUKAFLEX WEBBING, 9.5MM DIAMETER TORSION BAR, PRETENSIONER, AND BUCKLE TENSION SENSOR
--

- DID NOT INSTALL PASSENGER SEAT BELT WIRING HARNESS TO PRETENSIONER
- DID NOT FLASH ORC WITH CALIBRATION 5



Test Weight:

Target Test Weight Requested

Please note: This is an approximate value and includes vehicle, ballast, fuel, ATDs, and instrumentation.

1 POUND WEIGHT = 0.4536 KILOGRAMS (KG)

Total Target Test Weight: 2247 kg (4,954 lbs)



lb->kg

Weight Adjustment Method:

(standard procedure to be used unless otherwise specified. Define which parts should be removed first if the vehicle is over the target weight after occupants and instrumentation are added)

Weight represents a 3.7L Liberty Renegade + 2 50th male occupants + luggage (4324lbs + 330lbs + 300lbs = 4954lbs)

Weight Balance and Luggage:

Please note: This section is OPTIONAL. Values entered here are approximate.

Total Front 1,173 kg (2,586 lbs)



lb->kg

Total Rear 1,074 kg (2,368 lbs)



Luggage: 136.1 kg



lb->kg

ACTUAL TEST WEIGHT: 2245.3 KG

WEIGHT BALANCE:

- TOTAL FRONT: 1170.7 KG

- TOTAL REAR: 1074.6 KG

ADDITIONAL BALLAST INSTALLED: N/A

DETAIL OF ADDITIONAL BALLAST INSTALLED: N/A

ACTUAL TEST SPEED: 48.8 KPH

SPEED DETERMINED BY: ELECTRONIC TRAP TIMER 1



Mechanical Requirements:

Specific Work to Be Done at Test Site:

CAUTION: ensure the weight balance of the vehicle matches the numbers in the Test Weight section
 CAUTION: ensure all 5 tire pressures have been set to the recommended 33 psi
 CAUTION: do not remove access panel in the cargo area
 CAUTION: ensure the parking brake is disengaged, the transmission is in neutral, and the transfer case is in neutral
 Part R&R: please replace all 5 tire and wheel assemblies, old part disposition TBD, delivery 03/05/03
 Part R&R: remove exhaust hanger and cut post from exhaust at location shown in attachment "exhaust_hanger.ppt" below
 Part R&R: remove fuel line clip and cut stud at location shown in attachment "fuel clip 030403.ppt" below
 DO NOT DISTURB: swing gate, flipper glass, and spare tire
 TEST VEHICLE WITH 17.6 GALLONS STODDARD IN FUEL SYSTEM
 FUEL FILL TO SPEC IS MANDATORY
 PRE-TEST PRESSURE CHECK REQUIRED
 FUEL PUMP RUNNING DURING TEST
 STATIC ROLL ASSESSMENT REQUIRED (SLWI3532)
 Steering Column Setting: mid
 Seat Back Setting: 23.5
 Seat Head Restraint Setting: highest position possible
 Pre-Test Measurement: vehicle attitude as received and post instrumentation build-up - ensure that the difference is uniform across the four corners
 Paint: floor pan around the gas tank and fuel filler tube in a bright colour for contrast during filming

Work Orders for This Test:

PRE TEST:	POST TEST:

Extra Attachments, Rich Text or Additional Info here if required:



exhaust_hanger.ppt fuel clip 030403.ppt

Document Information

Date Created: 02/14/2003 10:14 AM	Last Edited: 03/20/2003 08:26:19 AM
Created By: Roger Bortolin/JTE/DCC/DCX	Edited By: Brian D Grenke/CPG/DCC/DCX

Edit History:

Edit History:			
2/27/03 9:03:03 AM	Glenn A Buss	TestSite [CPG] --> [Alt. Site TBA]	MODIFIED /Rev#:2

02/27/2003 09:03:29 AM	Glenn A Buss:	Additional Comments: Hope to run at Autoliv 3/10. New wheels & tires will be delivered there.	/Rev#:2

2/27/2003 9:35:32 AM	Michael T Stebelton	SchedTest [] --> [03/10/2003 12:00:00 AM]	MODIFIED /Rev#:3

2/27/2003 9:35:32 AM	Michael T Stebelton	Slot [] --> [1st]	MODIFIED /Rev#:3

2/27/2003 9:35:32 AM	Michael T Stebelton	TestSite [Alt. Site TBA] --> [Morton-AutoLiv]	MODIFIED /Rev#:3

2/27/2003 10:32:06 AM	Michael D Rhew	VehicleChan [0] --> [15]	MODIFIED /Rev#:4

3/3/2003 9:14:29 AM	Michael T Stebelton	EditApprovalStatus [] --> [**** TEST REQUEST INITIALLY APPROVED ****]	MODIFIED /Rev#:6

3/3/2003 9:23:47 AM	Michael T Stebelton	FAPVFLater [VELOCITY] --> []	MODIFIED /Rev#:7

3/3/2003 9:23:47 AM	Michael T Stebelton	FAOrder [Targets and Views for 'If Requested' FA Only] --> [No Film Analysis on This Test]	MODIFIED /Rev#:7

2/28/2003 11:25:40 AM	Eric G Willis	MECHlistall [Part R&R: please replace all 5 tire and wheel assemblies, old part disposition TBD, delivery TBD]	ADDED /Rev#:5

3/3/2003 2:32:44 PM	Eric G Willis	ShipDate [02/21/2003 12:00:00 AM] --> [03/04/2003 12:00:00 AM]	MODIFIED /Rev#:6

3/4/2003 2:46:12 PM	Suzanne M Marsh	BuildCondition [2004 S1 BUILT LIBERTY RENEGADE] --> [2004 S1 BUILT LIBERTY RENEGADE -- FLEET #: C4KJJ-0212]	MODIFIED /Rev#:7

3/4/2003 2:46:12 PM	Suzanne M Marsh	BuildConditionMods [- INSTALLED PASSENGER SEAT BELT WIRING HARNESS TO PRETENSIONER]	REMOVED /Rev#:7

3/4/2003 2:46:12 PM	Suzanne M Marsh	BuildConditionMods [- ORC WITH CALIBRATION 5 PER SERIAL NUMBER NOTED ABOVE]	REMOVED /Rev#:7

3/4/2003 2:46:12 PM	Suzanne M Marsh	BuildConditionMods [- DID NOT INSTALL PASSENGER SEAT BELT WIRING HARNESS TO PRETENSIONER]	ADDED /Rev#:7

3/4/2003 2:46:12 PM	Suzanne M Marsh	BuildConditionMods [- DID NOT FLASH ORC WITH CALIBRATION 5]	ADDED /Rev#:7

Last Edit:			
03/20/2003 08:19:18 AM	Brian D Grenke	FINAL TEST LETTER SUBMITTED	
3/11/2003 10:05:28 AM	Michael T Stebelton	EditApprovalStatus [] --> [**** TEST REQUEST INITIALLY APPROVED ****]	MODIFIED /Rev#:9

[Click here to view previous edits](#)

Old Change Method Info

History of Changes to This Record After Test Request Approval:

Date/Time	Edited By	Description
	Roger Bortolin/JTE/DCC/DCX	TEST REQUEST INITIALLY APPROVED

DATE 03/20/03
TIME 14:37:48.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC10546 ITEM KJ4W100041
VC10546 48.3 KPH REAR (FULL) TYPE IV ITEM KJ4W100041
04 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 03/10/03
TEST SITE MORTON-AUTOLIV

TEST PURPOSE PRIMARY, 2004 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.3 KPH
DAMAGE LOCATION; REAR (FULL)
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; J
BODY; 74
ENGINE; 3.7 LITER
ENGINE NOTE; V6
TRANSMISSION; 5 SPEED MANUAL
TRANS. NOTE;
VIN AS TESTED; 1J8GL38K74W [REDACTED] MOD.
VIN AS BUILT; 1J8GL38K74W [REDACTED] MOD.

TEST SPEED 48.8 KPH BY ELECTRONIC TRAP TIMER 1

TEST WEIGHT (KG) 2245.3 TOTAL, 1170.7 FRONT, 1074.6 REAR

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-TA1
RESTRAINT- 3-PT UNIBELT ONLY
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-TA2
RESTRAINT- 3-PT UNIBELT ONLY

DATE 03/20/03
TIME 14:37:48.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC10546 ITEM KJ4W100041
VC10546 48.3 KPH REAR (FULL) TYPE IV ITEM KJ4W100041
04 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 03/10/03
TEST SITE MORTON-AUTOLIV

BUILD CONDITION ORIGINAL BUILD: 2004 S1 BUILT LIBERTY RENEGADE --
FLEET #: C4KJJ-0212
MODIFICATIONS: - REMOVED ONE OF THREE DOOR HINGE
BOLTS FROM ALL FOUR PASSENGER DOORS
- DAB ADI9.2G V0 230KPA INFLATOR, 28" DIAMETER
COATED BAG, 2X27.5MM VENTS, I TEAR SEAM, 10"
TETHER, STAR FOLD
- PAB PPI32S 50/50 LS2 INFLATOR - CYLINDRICAL,
160 LITRES, 2X50 MM VENTS, NO TETHER, UNCOATED
585 DTEX MATERIAL, 50/50 FOLD
- INSTALLED PASSENGER AIRBAG COVER WITH H-PATTERN
TEAR SEAM
- INSTALLED DRIVER SEATBELT WITH MONOTWILL
RUKAFLEX WEBBING
- INSTALLED PASSENGER SEAT BELT WITH MONOTWILL
RUKAFLEX WEBBING, 9.5MM DIAMETER TORSION BAR,
PRETENSIONER, AND BUCKLE TENSION SENSOR
- DID NOT INSTALL PASSENGER SEAT BELT WIRING
HARNES TO PRETENSIONER
- DID NOT FLASH ORC WITH CALIBRATION 5

TARGET WEIGHT (KG) 2247 TOTAL, 1173 FRONT, 1074 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 68.1 LITERS STODDARD SOLVENT
136.1 KG BALLAST WEIGHT SECURED IN CARGO AREA

EDP TECHNICIAN S. MARCHENIA

No. of Pages 23
CC

R. BORTOLIN 514-17-39
M. STEBELTON 422-05-01

DATE 03/20/03
TIME 14:37:57.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC10546 48.3 KPH REAR (FULL) TYPE IV ITEM KJ4W100041
04 KJ, USA 301-REAR COMPLIANCE TEST

TEST DATE 03/10/03 SPEED 48.8 TEST WT 2245.3

LIBRARY VC10546

Errata # 1 Data Set 03/20/03QA CHL001-015 30.3 FRT VC10546T

The data is displayed in the Metric system of Units (G, CM, N, N-M, KPH, etc.)

CHL	TRANSDUCER LOCATION		FFT 1000 CFC PEAK	FFT 600 CFC PEAK	PH 180 CFC PEAK	PH 60 CFC PEAK	AT 300MS		
1	LEFT FRONT SILL	X	97D10-G	-47.9	-47.6	-45.2	-32.6	-25.2	KPH
2	LEFT FRONT SILL	Y	98L10-K	-59.5	48.6	17.0	9.8	-0.7	KPH
3	LEFT FRONT SILL	Z	98L14-N	-50.6	-39.2	-14.0	-7.5	0.8	KPH
4	RIGHT FRONT SILL	X	97I15-A	-58.3	-56.2	-49.2	-35.9	-26.5	KPH
5	RIGHT FRONT SILL	Y	03A20-N	-57.6	-42.5	18.5	-7.2	-0.8	KPH
6	RIGHT FRONT SILL	Z	98L14-N	44.5	37.3	-13.6	-8.0	-0.4	KPH
7	LEFT RAIL MID TANK	X	99F28-Z	142.4	90.7	-64.8	-43.7	-25.1	KPH
8	LEFT RAIL MID TANK	Y	99G28-Z	-262.5	-160.5	-54.6	-33.5	-3.4	KPH
9	LEFT RAIL MID TANK	Z	99F23-F	351.1	-186.0	62.3	38.5	0.3	KPH
10	RIGHT RAIL MID TANK	X	97D15-G	82.8	-73.7	-57.8	-44.4	-25.0	KPH
11	RIGHT RAIL MID TANK	Y	97D15-J	167.5	107.3	-43.6	-16.0	-1.4	KPH
12	RIGHT RAIL MID TANK	Z	97I22-F	-229.6	-159.1	61.0	41.5	1.3	KPH
13	FUEL TANK BOTTOM ACC	Y	B12952	93.4	92.3	91.2	74.2	G	KPH*
14	FUEL TANK BOTTOM ACC	X	98L07-K	-301.1	-290.2	-263.7	-147.2	-34.6	KPH*
15	FUEL TANK BOTTOM ACC	Z	98L10-N	-466.8	-297.5	175.3	79.1	-7.2	KPH*

Multi-Channel Plot data

CHLS & 1 4 CL PH60 AVERAGE OF FRT SILL -324.4G AT .1 MS

* - See Notes & Comments page

DATE 03/20/03
TIME 14:37:57.

TEST VALUES
NOTES & COMMENTS

SAFETY TEST
DEPT 5320

VC10546 48.3 KPH REAR (FULL) TYPE IV ITEM KJ4W100041
04 KJ, USA 301-REAR COMPLIANCE TEST

LIBRARY VC10546

Errata # 1 Data Set 03/20/03QA CHL001-015 30.3 FRT VC10546T

***** STATUS NOTE *****
***** IMPORTED DATA, DO NOT USE FOR A COMPLIANCE REPORT *****
***** *****
***** *****

CHL 13 *C* ***** CH 13 FUEL TANK BOTTOM ACC Y; INSTRUMENTATION *****
***** MALFUNCTION AT 25.2 MSEC. *****

CHL 14 *C* ***** CH 14 FUEL TANK BOTTOM ACC X; DATA CHANNEL IS *****
***** QUESTIONABLE AFTER 38 MSEC. *****

CHL 15 *C* * CH 16 FUEL TANK BOTTOM ACC Z; DATA CHANNEL IS QUESTIONABLE
***** AFTER 38 MSEC. *****

DATE 05/13/04
TIME 11:48:17.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11711 ITEM 5W500044
VC11711 48.0 KPH REAR REAR TYPE IV ITEM 5W500044
05 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 05/13/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; NONE
BODY; 74
ENGINE; EKG
ENGINE NOTE;
TRANSMISSION; DEH
TRANS. NOTE;
VIN AS TESTED; 1J8GL38K65W
VIN AS BUILT; 1J8GL38K65W

TEST SPEED 48.95 KPH BY TRAP A AVERAGE
TEST WEIGHT(KG) 2233.98 TOTAL, 1182.08 FRONT, 1051.9 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-75
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-60
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005 S1 BUILD LIBERTY RENEGADE (KJJM74)3.7L ? 6SP
MAN ? 4X4- NO POWER SEAT- HAS SIDE AIRBAG- HAS TOW
HOOKS- HAS FRONT SKID PLATE- HAS FUEL TANK SKID P
LATE- NO SUN ROOF
MODIFIED BUILD:
- INSTALLED 05 S2 GASOLINE FUEL TANK - REMOVED TRA
ILER HITCH- REMOVED FUEL TANK SKID PLATE- REMOVED
REAR TOW HOOKS
MODIFIED EMD BUILD:

TARGET WEIGHT(KG) 2231.0 TOTAL, 1160.2 FRONT, 1070.9 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
195.04 KG ADDITIONAL BALLAST WEIGHTS
136.1 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 05/13/04
TIME 11:48:17.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11711 ITEM 5W500044
VC11711 48.0 KPH REAR REAR TYPE IV ITEM 5W500044
05 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 05/13/04
TEST SITE CPG
EDP TECHNICIAN S. MARCHENIA

No. of Pages 29
CC

S. MARSH 514-17-39
M. STEBELTON 422-05-01

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC11711 48.0 KPH REAR REAR TYPE IV ITEM 5W500044
05 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 05/13/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; NONE
BODY; 74
ENGINE; EKG
ENGINE NOTE;
TRANSMISSION; DEH
TRANS. NOTE;
VIN AS TESTED; 1J8GL38K65W
VIN AS BUILT; 1J8GL38K65W

TEST SPEED 48.95 KPH BY TRAP A AVERAGE
TEST WEIGHT(KG) 2233.98 TOTAL, 1182.08 FRONT, 1051.9 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-75
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-60
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005 S1 BUILD LIBERTY RENEGADE (KJJM74)3.7L ? 6SP
MAN ? 4X4- NO POWER SEAT- HAS SIDE AIRBAG- HAS TOW
HOOKS- HAS FRONT SKID PLATE- HAS FUEL TANK SKID P
LATE- NO SUN ROOF
MODIFIED BUILD:
- INSTALLED 05 S2 GASOLINE FUEL TANK - REMOVED TRA
ILER HITCH- REMOVED FUEL TANK SKID PLATE- REMOVED
REAR TOW HOOKS
MODIFIED EMD BUILD:

TARGET WEIGHT(KG) 2231.0 TOTAL, 1160.2 FRONT, 1070.9 REAR
INCLUDING BALLAST AND OCCUPANTS

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 02

VC11711 48.0 KPH REAR REAR TYPE IV ITEM 5W500044

05 KJ, USA 301-REAR COMPLIANCE TEST

TEST DATE 05/13/04

TEST SITE CPG

FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
 195.04 KG ADDITIONAL BALLAST WEIGHTS
 136.1 KG BALLAST WEIGHT SECURED IN CARGO AREA

REPORT CODES A = TRANSDUCER DATA B = ALL FILM DATA

DISTRIBUTION M. STEBELTON 422-05-01 (AB)
 S. MARSH 514-17-39 (AB)

DATE 05/13/04 TIME 08:34:46.

DATE 05/13/04
TIME 11:48:17.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11711 ITEM 5W500044
VC11711 48.0 KPH REAR REAR TYPE IV ITEM 5W500044
05 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 05/13/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; NONE
BODY; 74
ENGINE; EKG
ENGINE NOTE;
TRANSMISSION; DEH
TRANS. NOTE;
VIN AS TESTED; 1J8GL38K65W
VIN AS BUILT; 1J8GL38K65W

TEST SPEED 48.95 KPH BY TRAP A AVERAGE
TEST WEIGHT(KG) 2233.98 TOTAL, 1182.08 FRONT, 1051.9 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-75
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-60
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005 S1 BUILD LIBERTY RENEGADE (KJJM74)3.7L ? 6SP
MAN ? 4X4- NO POWER SEAT- HAS SIDE AIRBAG- HAS TOW
HOOKS- HAS FRONT SKID PLATE- HAS FUEL TANK SKID P
LATE- NO SUN ROOF
MODIFIED BUILD:
- INSTALLED 05 S2 GASOLINE FUEL TANK - REMOVED TRA
ILER HITCH- REMOVED FUEL TANK SKID PLATE- REMOVED
REAR TOW HOOKS
MODIFIED EMD BUILD:

TARGET WEIGHT(KG) 2231.0 TOTAL, 1160.2 FRONT, 1070.9 REAR
INCLUDING BALLAST AND OCCUPANTS

FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
195.04 KG ADDITIONAL BALLAST WEIGHTS
136.1 KG BALLAST WEIGHT SECURED IN CARGO AREA

DATE 05/13/04
TIME 11:48:17.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11711 ITEM 5W500044
VC11711 48.0 KPH REAR REAR TYPE IV ITEM 5W500044
05 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 05/13/04
TEST SITE CPG
EDP TECHNICIAN S. MARCHENIA

No. of Pages 29
CC

S. MARSH 514-17-39
M. STEBELTON 422-05-01

DATE 05/13/04
TIME 11:49:46.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC11711 48.0 KPH REAR REAR TYPE IV ITEM 5W500044
05 KJ, USA 301-REAR COMPLIANCE TEST

TEST DATE 05/13/04 SPEED 48.9 TEST WT 2233.9

LIBRARY VC11711

Errata # 1 Data Set 05/13/04BA CHL001-016 30.4 REAR VC11711E
Errata # 1 Data Set 05/13/04BB CHL017-032 30.4 REAR VC11711E

The data is displayed in the Metric system of Units (G, CM, N, N-M, KPH, etc.)

CHL	TRANSDUCER LOCATION			1000	DCX	180	PH	AT	
				CFC	600	CFC	60		
				PEAK	PEAK	PEAK	PEAK	300MS	
1	LEFT FRONT SILL	X	P23321	-40.5	-39.2	-34.9	-28.4	-25.6	KPH
2	LEFT FRONT SILL	Y	P16172	50.3	42.5	16.7	8.0	0.2	KPH
3	LEFT FRONT SILL	Z	P18599	-53.4	-42.2	12.8	7.8	1.0	KPH
4	RIGHT FRONT SILL	X	P24117	-48.0	-46.5	-40.3	-31.9	-24.9	KPH
5	RIGHT FRONT SILL	Y	P26904	47.4	29.4	18.0	5.4	-0.8	KPH
6	RIGHT FRONT SILL	Z	ETBB726	-34.8	30.5	-13.1	-9.1	-0.5	KPH
7	LEFT REAR SILL	X	P26894	-44.4	-36.3	-32.4	-26.5	-26.7	KPH
8	LEFT REAR SILL	Y	P27150	-60.8	-51.4	19.3	-6.8	-1.3	KPH
9	LEFT REAR SILL	Z	P17572	67.2	48.4	14.8	-8.2	1.3	KPH
10	RIGHT REAR SILL	X	P21804	-48.4	-43.4	-38.2	-30.5	-26.1	KPH
11	RIGHT REAR SILL	Y	P26845	63.7	58.1	21.6	-10.0	-0.9	KPH
12	RIGHT REAR SILL	Z	P26839	-38.6	27.2	14.3	10.1	0.3	KPH
13	FUEL TANK BOTTOM ACC	X	P14926	229.1	209.8	145.8	-105.2	-26.8	KPH
14	FUEL TANK BOTTOM ACC	Y	P16669	126.3	94.7	58.7	30.4	1.0	KPH
15	FUEL TANK BOTTOM ACC	Z	P17454	-158.6	138.6	-114.0	-63.1	-1.2	KPH
33	M-FLAT LT RAIL MID	X	ETBB765		39.6		21.8	29.9	KPH
34	M-FLAT RT RAIL MID	X	ETBB316		55.0		22.8	30.3	KPH

Multi-Channel Plot data

CHLS 1 4 7 1 & 0 CL PH60 AVERAGE OF FRT SILL -225.0G AT .2 MS
CHLS & 1 4 CL PH60 AVERAGE OF FRT SILL -324.9G AT .1 MS

DATE 06/15/04
TIME 10:18:26.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11790 ITEM 5W500049
VC11790 48.0 KPH REAR REAR TYPE IV ITEM 5W500049
05 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/14/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; NONE
BODY; 74
ENGINE; ENR
ENGINE NOTE;
TRANSMISSION; DGQ
TRANS. NOTE;
VIN AS TESTED; 1J8GL58585W [REDACTED]
VIN AS BUILT; 1J8GL58585W [REDACTED]

TEST SPEED 48.63 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 2327.87 TOTAL, 1231.52 FRONT, 1096.35 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-70
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-60
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005 S1 BUILD LIBERTY LIMITED (KJJP74)2.8L ? 5SP A
UTO ? 4X4 - HAS POWER SEAT- HAS SIDE AIRBAG- HAS T
OW HOOKS- HAS FRONT SKID PLATE- HAS FUEL TANK SKID
PLATE
MODIFIED BUILD:
- INSTALLED 05 S2 DIESEL FUEL TANK- REMOVED TRAILER
HITCH, FUEL TANK SKIDPLATE, AND REAR TOW HOOK
MODIFIED EMD BUILD:

TARGET WEIGHT(KG) 2323.8 TOTAL, 1231.6 FRONT, 1092.2 REAR
INCLUDING BALLAST AND OCCUPANTS

DATE 06/15/04
TIME 10:18:26.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11790 ITEM 5W500049
VC11790 48.0 KPH REAR REAR TYPE IV ITEM 5W500049
05 KJ, USA 301-REAR COMPLIANCE TEST

TEST DATE 06/14/04

TEST SITE CPG

FUEL AND BALLAST 73.8 LITRES STODDARD SOLVENT
330LBS 2-50TH BALLAST ATD'S SECOND ROW; 75LBS ON 2
R FLOOR.
KG ADDITIONAL BALLAST WEIGHTS
136.1 KG BALLAST WEIGHT SECURED IN CARGO AREA

EDP TECHNICIAN S. MARCHENIA

No. of Pages 29
CC

S. MARSH 514-17-39
M. STEBELTON 422-05-01

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 01

VC11790 48.0 KPH REAR REAR TYPE IV ITEM 5W500049
05 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/14/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; NONE
BODY; 74
ENGINE; ENR
ENGINE NOTE;
TRANSMISSION; DGQ
TRANS. NOTE;
VIN AS TESTED; 1J8GL58585W [REDACTED]
VIN AS BUILT; 1J8GL58585W [REDACTED]

TEST SPEED 48.63 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 2327.87 TOTAL, 1231.52 FRONT, 1096.35 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-70
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-60
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005 S1 BUILD LIBERTY LIMITED (KJJP74)2.8L ? 5SP A
UTO ? 4X4 - HAS POWER SEAT- HAS SIDE AIRBAG- HAS T
OW HOOKS- HAS FRONT SKID PLATE- HAS FUEL TANK SKID
PLATE
MODIFIED BUILD:
- INSTALLED 05 S2 DIESEL FUEL TANK- REMOVED TRAILER
HITCH, FUEL TANK SKIDPLATE, AND REAR TOW HOOK
MODIFIED EMD BUILD:

TARGET WEIGHT(KG) 2323.8 TOTAL, 1231.6 FRONT, 1092.2 REAR
INCLUDING BALLAST AND OCCUPANTS

VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST LETTER

PAGE 02

VC11790 48.0 KPH REAR REAR TYPE IV ITEM 5W500049

05 KJ, USA 301-REAR COMPLIANCE TEST

TEST DATE 06/14/04

TEST SITE CPG

FUEL AND BALLAST

73.8 LITRES STODDARD SOLVENT

330LBS 2-50TH BALLAST ATD'S SECOND ROW; 75LBS ON 2
R FLOOR.

KG ADDITIONAL BALLAST WEIGHTS

136.1 KG BALLAST WEIGHT SECURED IN CARGO AREA

REPORT CODES

A = TRANSDUCER DATA

B = ALL FILM DATA

DISTRIBUTION

M. STEBELTON

422-05-01 (AB)

S. MARSH

514-17-39 (AB)

DATE 06/15/04

TIME 09:05:49.

DATE 06/15/04
TIME 10:18:26.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11790 ITEM 5W500049
VC11790 48.0 KPH REAR REAR TYPE IV ITEM 5W500049
05 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/14/04
TEST SITE CPG

TEST PURPOSE PRIMARY, 2005 USA 301-REAR COMPLIANCE

IMPACT TYPE TARGET SPEED; 48.0 KPH
DAMAGE LOCATION; REAR FULL
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; NONE
BODY; 74
ENGINE; ENR
ENGINE NOTE;
TRANSMISSION; DGQ
TRANS. NOTE;
VIN AS TESTED; 1J8GL58585W [REDACTED]
VIN AS BUILT; 1J8GL58585W [REDACTED]

TEST SPEED 48.63 KPH BY TRAP AVERAGE AVERAGE
TEST WEIGHT(KG) 2327.87 TOTAL, 1231.52 FRONT, 1096.35 REAR,

OCCUPANTS 1L - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-70
RESTRAINT- UNIBELT
1R - 50TH MALE BALLAST HYBRID 2, 0 - CH AD-60
RESTRAINT- UNIBELT

BUILD CONDITION ORIGINAL BUILD:
2005 S1 BUILD LIBERTY LIMITED (KJJP74)2.8L ? 5SP A
UTO ? 4X4 - HAS POWER SEAT- HAS SIDE AIRBAG- HAS T
OW HOOKS- HAS FRONT SKID PLATE- HAS FUEL TANK SKID
PLATE
MODIFIED BUILD:
- INSTALLED 05 S2 DIESEL FUEL TANK- REMOVED TRAILER
HITCH, FUEL TANK SKIDPLATE, AND REAR TOW HOOK
MODIFIED EMD BUILD:

TARGET WEIGHT(KG) 2323.8 TOTAL, 1231.6 FRONT, 1092.2 REAR
INCLUDING BALLAST AND OCCUPANTS

DATE 06/15/04
TIME 10:18:26.

ELECTRONIC DATA PROCESSING
EDP TEST LETTER

VEHICLE CRASH ENGINEERING
DEPT 5320

VC11790 ITEM 5W500049
VC11790 48.0 KPH REAR REAR TYPE IV ITEM 5W500049
05 KJ, USA 301-REAR COMPLIANCE TEST
TEST DATE 06/14/04
TEST SITE CPG
FUEL AND BALLAST

73.8 LITRES STODDARD SOLVENT
330LBS 2-50TH BALLAST ATD'S SECOND ROW; 75LBS ON 2
R FLOOR.
KG ADDITIONAL BALLAST WEIGHTS
136.1 KG BALLAST WEIGHT SECURED IN CARGO AREA

EDP TECHNICIAN S. MARCHENIA

No. of Pages 29
CC

S. MARSH 514-17-39
M. STEBELTON 422-05-01

DATE 06/15/04
TIME 10:18:56.

TEST VALUES
EDP CHANNEL SUMMARY

SAFETY TEST
DEPT 5320

VC11790 48.0 KPH REAR REAR TYPE IV ITEM 5W500049
05 KJ, USA 301-REAR COMPLIANCE TEST

TEST DATE 06/14/04 SPEED 48.6 TEST WT 2327.8

LIBRARY VC11790

Errata # 1 Data Set 06/14/04BQ CHL001-016 30.2 FRT VC11790E
Errata # 1 Data Set 06/14/04BR CHL017-032 30.2 FRT VC11790E

The data is displayed in the Metric system of Units (G, CM, N, N-M, KPH, etc.)

CHL	TRANSDUCER LOCATION			1000	DCX	180	PH	AT	
				CFC	600	CFC	60		
				PEAK	PEAK	PEAK	PEAK	300MS	
1	LEFT FRONT SILL	X	ETBB7B9	-45.5	-44.9	-40.9	-31.3	-25.2	KPH
2	LEFT FRONT SILL	Y	ETBB736	31.9	28.3	-17.3	-5.2	-0.4	KPH
3	LEFT FRONT SILL	Z	ETBB879	-37.9	31.5	15.0	-7.0	0.3	KPH
4	RIGHT FRONT SILL	X	ETBB713	-43.3	-42.2	-38.5	-31.5	-26.0	KPH
5	RIGHT FRONT SILL	Y	ETBB753	-49.4	-44.5	16.5	7.9	-0.9	KPH
6	RIGHT FRONT SILL	Z	ETBB746	-42.9	-33.8	20.1	9.5	0.9	KPH
7	LEFT REAR SILL	X	ETBB161	-43.9	-42.6	-39.1	-29.9	-25.8	KPH
8	LEFT REAR SILL	Y	ETBB826	37.2	34.5	17.9	8.1	0.1	KPH
9	LEFT REAR SILL	Z	ETBB825	43.1	40.3	-17.3	-8.2	0.0	KPH
10	RIGHT REAR SILL	X	ETBB763	-38.3	-38.0	-36.8	-29.6	-25.5	KPH
11	RIGHT REAR SILL	Y	ETBB793	-43.7	-39.2	12.0	6.0	0.9	KPH
12	RIGHT REAR SILL	Z	ETBB372	-78.6	-61.0	-16.5	10.5	1.1	KPH
13	FUEL TANK BOTTOM ACC	X	ETBB719	227.3	-128.0	-94.6	-91.4	-26.8	KPH
14	FUEL TANK BOTTOM ACC	Y	ETBB868	132.8	82.3	40.8	28.0	-1.4	KPH
15	FUEL TANK BOTTOM ACC	Z	ETBB749	-203.0	-144.6	115.8	-69.3	-1.5	KPH
33	M-FLAT LT RAIL MID	X	ETBB765		54.8		20.4	27.7	KPH
34	M-FLAT RT RAIL MID	X	ETBB316		51.3		-23.3	28.4	KPH

Multi-Channel Plot data

CHLS 1 4 7 1 & 0 CL PH60 AVERAGE OF FRT SILL -325.6G AT .6 MS
CHLS & 1 4 CL PH60 AVERAGE OF FRT SILL -325.6G AT .4 MS

SAFETY TEST
VEHICLE CRASH TEST LETTER

PAGE 01

VC09094 30 MPH REAR MOVING BARRIER, KJJ-74 ITEM KJ6333
2002 MVSS REAR IMPACT COMPLIANCE
TEST DATE 03/12/01

TEST PURPOSE PRIMARY, 2002 USA 301 COMPLIANCE.
 SECONDARY, 2002 TRIAS-33 COMPLIANCE

IMPACT TYPE TARGET SPEED; 30.0 MPH
 DAMAGE LOCATION; REAR CENTER
 BARRIER TYPE; REAR TYPE IV
 BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
 CAR LINE; J
 BODY; 74
 ENGINE; 3.7 LITRE
 ENGINE NOTE; ELECTRONIC FUEL INJECTION
 TRANSMISSION; 4 SPEED AUTO ELECTRONIC 4x4
 TRANS. NOTE;
 VIN AS TESTED; 1J8GL58K02W [REDACTED] MOD.
 VIN AS BUILT; 1J8GL58K02W [REDACTED] MOD.

TEST SPEED 30.6 MPH SOURCE TRAP TIMER

TEST WEIGHT (LBS) 4864 TOTAL, 2574 FRONT, 2290 REAR

OCCUPANTS LEFT FRONT, HII BALLAST AD-47
 RESTRAINT-RESTRAINT - BELTS ONLY
 RIGHT FRONT - HII BALLAST AD-61
 RESTRAINT-RESTRAINT - BELTS ONLY

BUILD CONDITION 2002 DESIGN INTENT SWING GATE HANDLE W/146G C/B
 AND ANTI-ROTATION FINGER
 ORC CALIBRATION N
 MODIFY WELDS @ SPLICE JOINT TO PRODUCTION INTENT
 2002 PRODUCTION INTENT EXHAUST FLANGE
 2002 DESIGN INTENT FUEL LINES

TARGET WEIGHT (LBS) 4233 LBS TOTAL, 2235 LBS FRONT, 1998 LBS REAR
 REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
 WITHOUT OCCUPANTS OR LUGGAGE
 (TARGET TEST WEIGHT 4863 = 4233 + 330 + 300)

FUEL AND BALLAST 17.5 GALLONS OF STODDARD SOLVENT
 350 LBS. SECURED IN LF AND REAR SEAT AREA

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

ITEM KJ6333 CHARGE NO. 02 ISSUE DATE 03/08/01

VC 909A 30 MPH REAR MOVING BARRIER, KJJ-74
2002 MVSS REAR IMPACT COMPLIANCE

TEST DATE 3/12/01 ENGINEER Kobylarz
SPEED 30.6 MPH SOURCE Exp

TEST PURPOSE PRIMARY, 2002 USA 301 COMPLIANCE.
SECONDARY, 2002 TRIAS-33 COMPLIANCE

IMPACT TYPE TARGET SPEED; 30.0 MPH
DAMAGE LOCATION; REAR CENTER
BARRIER TYPE; REAR TYPE IV
BARRIER SURFACE; PLYWOOD

VEHICLE BODY CLASS; KJ
CAR LINE; J
BODY; 74
ENGINE; 3.7 LITRE
ENGINE NOTE; ELECTRONIC FUEL INJECTION
TRANSMISSION; 4 SPEED AUTO ELECTRONIC 4x4
TRANS. NOTE;
VIN AS TESTED; 1J8GL58K02W[REDACTED] MOD.
VIN AS BUILT; 1J8GL58K02W[REDACTED] MOD.

BUILD CONDITION 2002 DESIGN INTENT SWING GATE HANDLE W/146G C/B
AND ANTI-ROTATION FINGER
ORC CALIBRATION N
MODIFY WELDS @ SPLICE JOINT TO PRODUCTION INTENT
2002 PRODUCTION INTENT EXHAUST FLANGE
2002 DESIGN INTENT FUEL LINES

TARGET WEIGHT (LBS) 4233 LBS TOTAL, 2235 LBS FRONT, 1998 LBS REAR
REPRESENTS MAX OPTION WEIGHT FOR 3.7L 4X4 KJ
WITHOUT OCCUPANTS OR LUGGAGE
(TARGET TEST WEIGHT 4863 = 4233 + 330 + 300)

TEST WEIGHT (LBS) 4864 TOTAL, 2574 FRONT, 2290 REAR

FUEL BALLAST 17.5 GALLONS OF STODDARD SOLVENT

LUGGAGE BALLAST 300 LBS

OTHER BALLAST 200# IN Rear Seat Area
750# IN FT Seat Area

POST TEST REMARKS

DAIMLERCHRYSLER
 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

OCCUPANTS

LEFT FRONT, HII BALLAST
 RESTRAINT-RESTRAINT - BELTS ONLY
 RIGHT FRONT - HII BALLAST
 RESTRAINT-RESTRAINT - BELTS ONLY

AD NO

AD NO

MECHANICAL REQ

TARGET VEHICLE PER 02KJ THIRD SHEETS FOR REAR
 IMPACTS (UNDERBODY AND LEFT SIDE)
 PLACE TARGETS ON TOP, LT AND RT SIDE OF SPARE TIRE
 THAT WILL BE VISIBLE IN CAMERA VIEWS
 PLEASE INSTALL NEW TRAILER HITCH, SWING GATE WITH
 HANDLE EQUIP. AND SKID PLATE
 PAINT REAR GATE HANDLE TO ENSURE ANY MOVEMENT IS
 VISIBLE IN FILM
 POSITION DRIV AND PASS SEATS IN MID POSITION
 ENSURE SPARE TIRE, SWING GATE & FLIPPER GLASS
 REMAIN IN PLACE FOR TEST
 ENSURE PARKING BRAKE IS DISENGAGED AND TRANS IS
 IN NEUTRAL
 MEASURE VEHICLE ATTITUDE AS RECEIVED AND WHEN
 TESTED
 PRESSURE TEST PRE-TEST WITH PUMP RUNNING
 FUEL PUMP TO BE RUNNING DURING TEST
 STATIC ROLL VEHICLE POST TEST
 PAINT RAILS & REAR UNDERBODY COMPONENTS INCLUDING
 FUEL FILLER LINE, PASS THRU HOLE IN RAIL, FUEL
 TANK CANISTER, REAR SUSPENSION, REAR BUMPER,
 OVOR CANISTER, LINES AND EQUIPMENT, ETC. IN
 CONTRASTING COLORS FOR UNDERBODY VIEW.

INSTRUMENTATION REQ ENSURE DRIV & PASS AIRBAGS, SIDE CURTAINS &
 PRETENSIONERS DO NOT DEPLOY

ENSURE VEHICLE ELECTRICAL SYSTEM IS POWERED

DAIMLERCHRYSLER
 VEHICLE CRASH ENGINEERING
 VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

PHOTOGRAPHIC REQ

1-VELOCITY CAMERA
 1-LEFT OVERALL (DYNAMIC CRUSH)
 1-RIGHT OVERALL
 2-PIT CAMERAS FOR REAR UNDERBODY ANALYSIS
 1-LT SIDE CLOSE UP OF FUEL FILLER AREA FROM PIT
 1-LT & RT CLOSE UP OF REAR QUARTERS OF VEHICLE
 1-OVERHEAD VIEW OF SWING GATE HANDLE AT EVENT
 1-OVERHEAD VIEW CONTINUING SWING GATE HANDLE VIEW
 THROUGH EVENT

ALL CAMERAS TO HAVE DIGITAL TIMING IF POSSIBLE
 PRE & POST TEST PHOTOS OF OVERALL & UNDERBODY
 (REAR), FRAME RAILS, FUEL TANK/REAR AXLE AREA, ETC

FILM ANALYSIS

REAR DYNAMIC CRUSH - IF REQUESTED
 REAR UNDERBODY ANALYSIS - IF REQUESTED
 VEHICLE VELOCITY - IF REQUESTED

REMARKS

TEST REQUESTER: ANNE STEFANGO 733-5368
 MAKE 1 COPY OF FILM AND VIDEO AND SEND TO
 A. STEFANGO 514-17-39
 PLEASE RETURN VEHICLE TO PROC ATTN: PAM MORTON

T. E. REPORT

FUEL SYSTEM REPORT REQUIRED

REPORT CODES

A = TRANSDUCER DATA	B = ALL FILM DATA
C = HIGH SPEED FILM	D = ENGINEER'S REPORT
E = DUMMY KINEMATICS	F = STEERING COLUMN
G = UNDERBODY	H = A-POST
I = DYNAMIC CRUSH	J = ENGINE COMPARTMENT
K = DOOR CRUSH	L = FORCE/CRUSH/ENERGY
M = SPECIAL	N = CATALOG EDP DATA
* = REPORT REQUESTOR	

DISTRIBUTION

A. STEFANGO	514-17-39	(AB)
M. STEBELTON	422-05-01	(AB)

DAIMLERCHRYSLER
VEHICLE CRASH ENGINEERING
VEHICLE CRASH TEST REQUEST

SUPPLEMENT NO. 01

*****CHANGED 03/08/01 07:43 STEFANGO

SUPPLEMENT 01

MECHANICAL REQ

ADD PLEASE INSTALL NEW TRAILER HITCH, SWING GATE WITH
ADD HANDLE EQUIP. AND SKID PLATE

INSTRUMENTATION REQ

DELETE SWINGGATE ABOVE DOOR HANDLE X, Z (2)
DELETE LEFT & RIGHT REAR SILLS X, Z (4)

VEHICLE ATTITUDE

TEST NUMBER VC9094

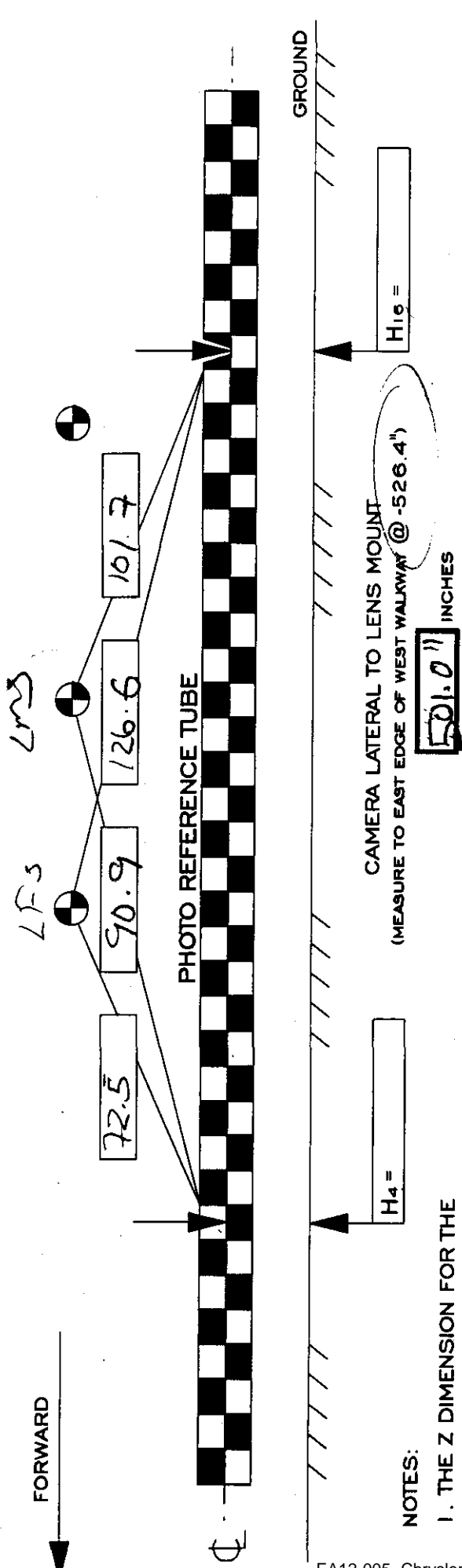
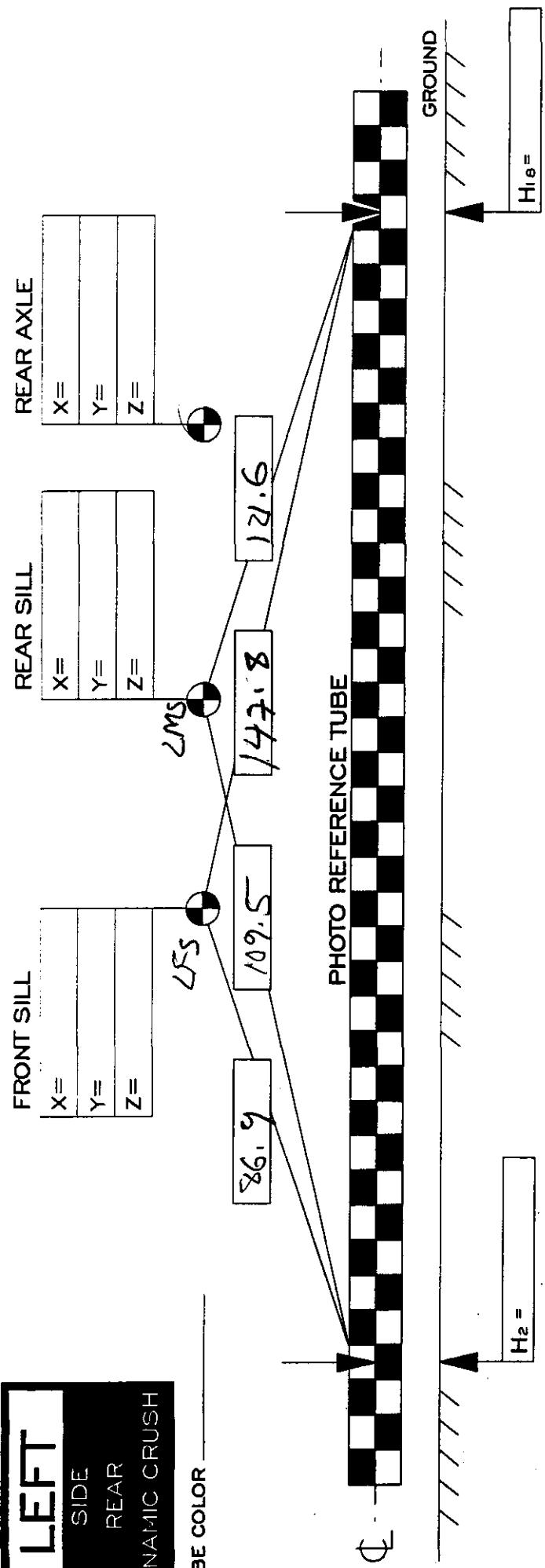
TEST ENGINEER KOBYLARZ

ITEM NUMBER KJ6333

FENDER/WHEELWELL HEIGHTS SILL HEIGHTS

	LF	LR	RF	RR
AS RECEIVED	32.3	33.4	32.4	33.3
AS BUILT-UP	32.2	31.8	32.1	32.0
AS TESTED				

LEFT
SIDE
REAR
DYNAMIC CRUSH



NOTES:

1. THE Z DIMENSION FOR THE SILL TARGETS AND REAR AXLE MUST BE RETAKEN AT THE TEST SITE
2. IF OTHER TUBE POINTS ARE USED, SO INDICATE

FOR REAR IMPACT TESTS - DIMENSIONING BETWEEN SILL TARGETS AND PHOTO REFERENCE TUBE
TEST ENGR Kobylarz
VC 90941

X, Y, Z DIMENSIONS

TEST NUMBER VC9094

TEST ENGINEER KOBYLARZ

ITEM NUMBER KJ6333

V.I.N. 1J8GL58K02W

TEST TYPE: 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

LOCATION	X	Y	Z	LOCATION	X	Y	Z
BC1		0.0	XXXX	BC2		0.0	XXXX
B1	0.5	17.9	XXXX	B2	0.5	18.7	XXXX
U1	101.2	18.5	11.1	U2	101.2	18.4	11.0
U3	123.1	7.8	18.4	U4	123.0	8.8	18.4
U5	129.0	-1.0	8.8	U6	141.0	18.9	21.6
U7	141.1	19.8	22.0	U8	143.5	5.7	11.5
U9	143.1	5.3	7.6	U10	150.9	6.0	11.1
U11	151.2	5.2	11.8	U12	156.0	19.3	22.5
U13	154.9	20.0	22.9				
				UC1	158.6	0	13.9
LAP	57.7	50- 21.1	49.6				
LFS	64.3	50- 31.9	14.3				
LMS	94.5	50- 31.8	14.4				
LRW	132.9	50- 33.6	13.8				

TRAMMEL DIMENSIONS;

LFS-LMS PRE 29.87
 POST 29.84

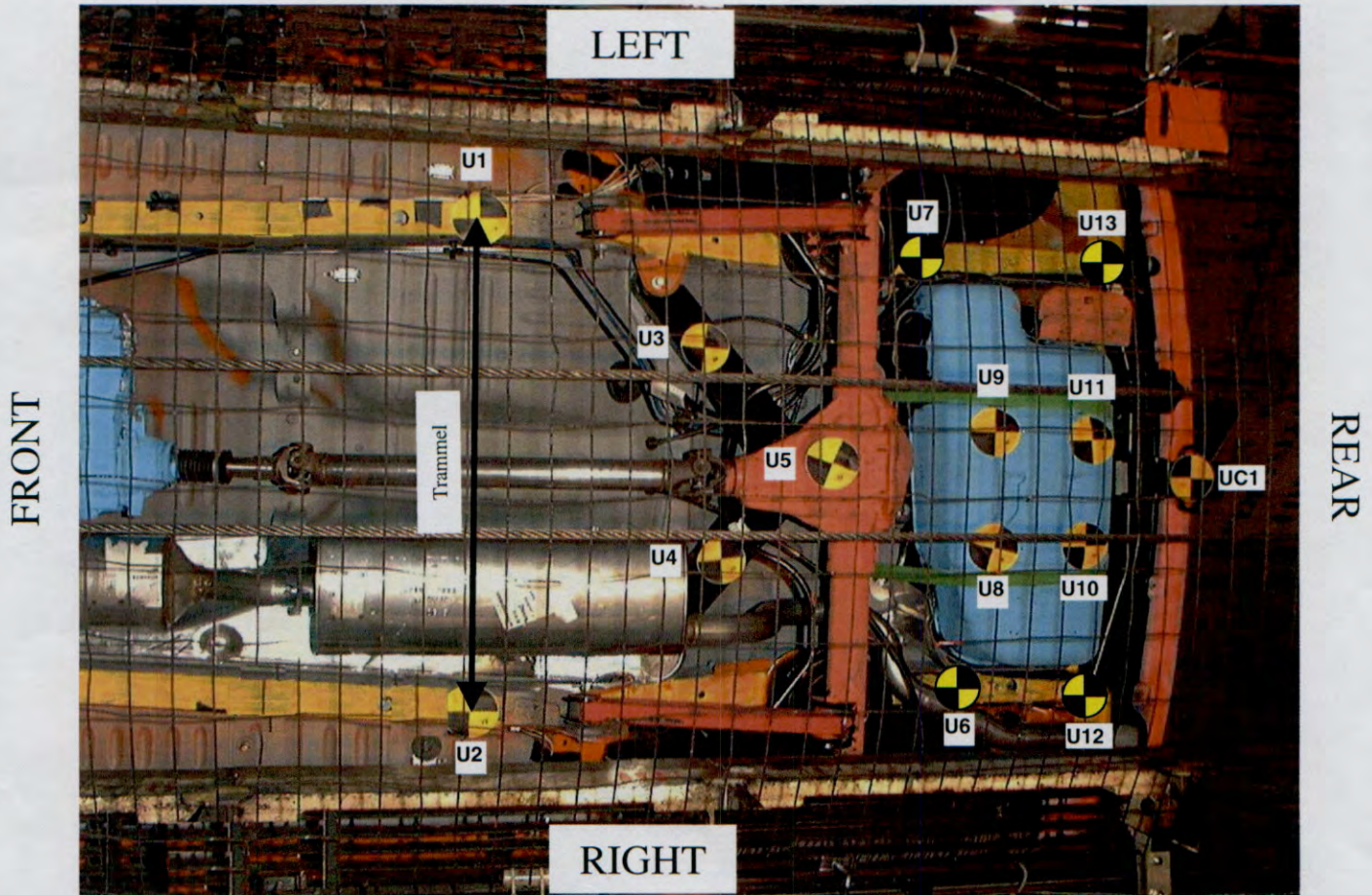
U1-U2 36.85

Program: 02KJ

VC 7094 ; Item No.

REAR UNDERBODY FOR ALL REAR IMPACTS

Visibility Approved: DGL / 05/03/1999
 Approved for CPG Use: GAB / 05/03/1999
 Impact Analysis Engineer: DCC / 01/21/2000
 DCC T/L: 722-1918; PAGER: 313-709-9150



Guidelines to Placement of Critical Targets:

ITEM	COMMENTS
U1 & U2	5.5" IN FRONT OF FORWARD EDGE OF CONTROL ARM MOUNTING BRACKET.
U3 & U4	CENTER OF UPPER SWING ARMS.
U5	ON CENTER OF REAR DIFFERENTIAL
U12 & U13	END OF RAILS AT REAR BUMPER CROSSMEMBER
U6	14" FORE OF U12
U7	ON LEFT RAIL 16" FORWARD OF U13
U8,U9,U10 & U11	IN SQUARE PATTERN, INSIDE STRAPS ON BOTTOM SURFACE OF THE FUEL TANK
UC1	CENTERED ON REAR BUMPER CROSSMEMBER

3/8/01

CONFIDENTIAL

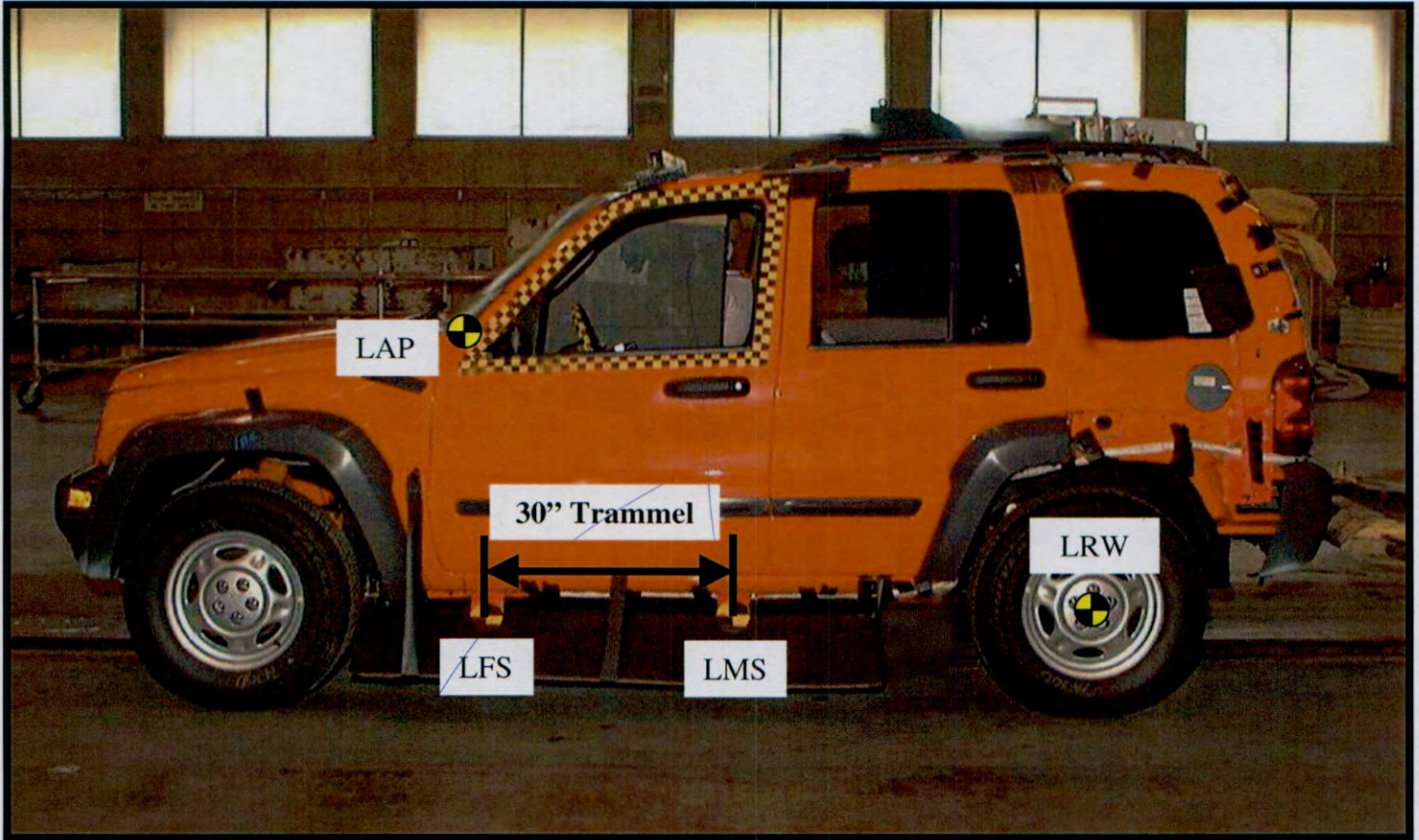
Version: 5

Program: 02KJ

VC 9094 ; Item No.

**LEFT SIDE
FOR ALL REAR IMPACTS**

Visibility Approved: DGL / 05/03/1999
Approved for CPG Use: GAB / 05/03/1999
Impact Analysis Engineer: DCC / 01/21/2000
DCC T/L: 722-1918; PAGER: 313-709-9150



Guidelines to Placement of Critical Targets:

ITEM	COMMENTS
LMS	BOTTOM OF B-POST ON SILL
LRS	30" FORE OF LMS
LRW	CENTER OF REAR WHEEL

3-801

[Handwritten signature]

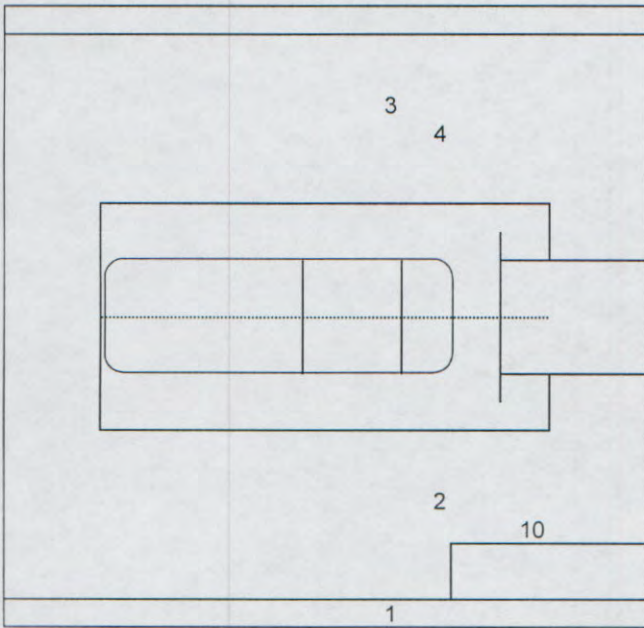
3/8/01

CONFIDENTIAL

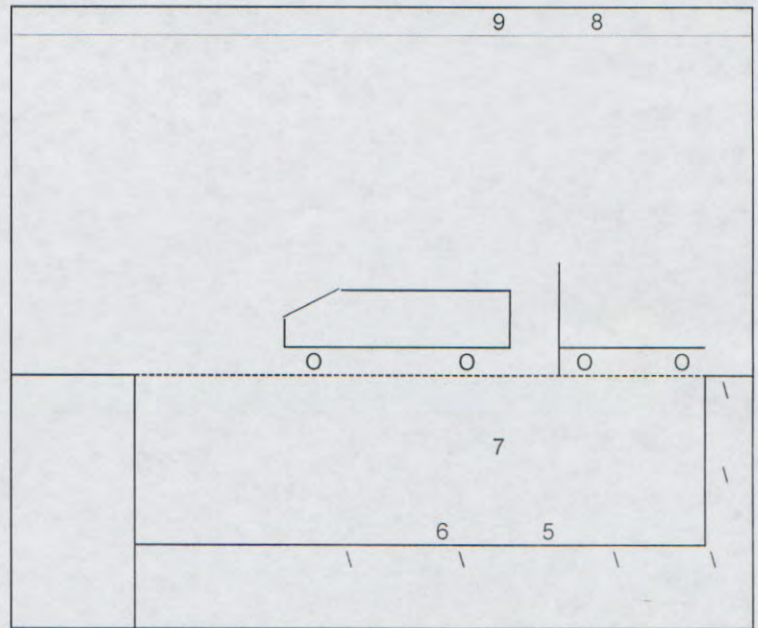
Version: 5

EA12-005- Chrysler -003057
Last Revised: 09/18/00

PLAN VIEW



SIDE VIEW



TEST NUMBER:	VC9094	VEHICLE TYPE:	KJ
TEST TYPE:	30 MPH REAR TYPE IV IMPACT	TEST ENGINEER:	KOBYLARZ
REQUEST DATE:	03/08/01		

#	VIEW DESCRIPTION A=ANALYSIS	CAM S/N	LENS FL	LENS S/N	LENS MFG.	F - STP	PNL	SKT	CBL	MISC
1	A LEFT SIDE OVERALL DYNAMIC CRUSH	428	18MM	116693	KIN	428				
2	LEFT - BARRIER TO C POST	1876	35MM	111302	KIN	1876				
3	RIGHT SIDE OVERALL	1890	18MM	107233	KIN					
4	RIGHT - BARRIER TO C POST	1891	35MM	111290	KIN	5.6 1/2				
5	A PIT - SOUTH	432	13MM	13-7	COS	4 1/4				
6	A PIT - NORTH	433	13MM	13-5	COS	4 1/4				
7	PIT - FILLER TUBES	277	ZOOM	#7	CAN					
8	CATWALK - REAR DOOR HANDLE	278	ZOOM	#8	CAN					
9	CATWALK - REAR DOOR HANDLE THRU EVENT	279	ZOOM	#9	CAN					
10	A VELOCITY	286	100MM	B2088	LGT					
	1 PRINT - STEFANGO									

3/12/01

FUEL SYSTEM AND STATIC ROLLOVER SUMMARY

TEST NUMBER VC9094, ITEM NUMBER KJ6333, TEST ENGINEER KOBYLARZ

V.I.N. 1J8GL58K02W [REDACTED], TEST DATE 3/12/01, ROLL DATE 3/14/01

TEST TYPE; 30 MPH REAR TYPE IV MOVING BARRIER IMPACT

FUEL; TYPE AND QUANTITY - .767 S.G. STODDARD SOLVENT, 17.5 GALLONS

TEST SPEED 30.6 MPH, TEST WEIGHT 4864 POUNDS.

POST IMPACT LEAKAGE(OZ); AT IMPACT 0

1ST 5 MIN. 0

NEXT 25 MIN. 0

POST TEST PRESSURE CHECK N/A

ELECTRIC FUEL PUMP RUN N/A

NO STATIC ROLL PERFORMED

STATIC ROLL LEAKAGE WITH VEHICLE Left SIDE DOWN FIRST

FUEL LEAKAGE LOCATIONS DURING STATIC ROLL

ROLL TIME					TOTAL	
0-90	1ST 5 MIN				0	*
<u>1:52</u>	POST 5 MIN				0	**
90-180	1ST 5 MIN				0	*
<u>1:46</u>	POST 5 MIN				0	**
180-270	1ST 5 MIN				0	*
<u>1:43</u>	POST 5 MIN				0	**
270-360	1ST 5 MIN				0	*
<u>1:42</u>	POST 5 MIN				0	**

* OUNCES IN 5 MINUTES, ** OUNCES PER MINUTE

POST TEST FUEL SYSTEM OBSERVATIONS No fuel leaks

EA12-005

CHRYSLER

12-13-2012

Enclosure 6C

Summary of 301 Crash Tests

Public

XJ FMVSS 301 Test History

Cherokee (XJ) Development

Summaries Public

**1984-2001 MY Cherokee (XJ)
FMVSS 301 Test History**

VC #	Test Date	Vehicle Tested	Purpose of Test	Results
AM1458	8/21/1981		198X FMVSS 301 Development Test	Successful
AM1522	4/2/1982		1983 FMVSS 301 Development Test	Successful
AM1533	6/7/1982		1983 FMVSS 301 Development Test	Successful
AM1540	9/30/1982		1984 FMVSS 301 Development Test	Successful
AM1573	12/8/1982		1984 FMVSS 301 Pre-Certification Test	Unsuccessful
AM1581	1/20/1983		1984 FMVSS 301 Pre-Certification Test	Unsuccessful
AM1584	2/14/1984		1984 FMVSS 301 Pre-Certification Test	Successful
AM1623	4/27/1983	1984 XJ - 20.2 gallon fuel tank	1984 FMVSS 301 Certification Test - relied on for 1984 and 1985 compliance	Successful
AM1626	7/8/1983		1984 FMVSS 301 Development Test	Successful
AM1635	4/27/1983	1984 XJ - 20.2 gallon fuel tank	1984 FMVSS 301 Certification Test - relied on for 1984 compliance	Successful
AM1661	7/7/1983	1984 XJ - 20.2 gallon fuel tank	1984 FMVSS 301 Certification Test - relied on for 1984 and 1985 compliance	Successful
AM1665	7/13/1983	1984 XJ - 20.2 gallon fuel tank - trailer hitch (class undefined)	1984 FMVSS 301 Certification Test - relied on for 1984 and 1985 compliance	Successful
AM1669	7/13/1983	1984 XJ - 20.2 gallon fuel tank - trailer hitch (class undefined)	1984 FMVSS 301 Certification Test - relied on for 1984 and 1985 compliance	Successful
AM1671	6/28/1983		1984 FMVSS 301 Development Test	Unsuccessful
AM1679	6/30/1983		1984 FMVSS 301 Development Test	Successful
AM1689	10/6/1983		1984 FMVSS 301 Development Test	Unsuccessful
AM1696	10/25/1983	1984 XJ - 20.2 gallon fuel tank - rear mounted swing away spare.	1984 FMVSS 301 Certification Test	Unsuccessful
AM1700	11/10/1983		1984 FMVSS 301 Development Test	Successful
AM1706	11/11/1983		1984 FMVSS 301 Monitor Test	Successful
AM1711	12/7/1983		1984 FMVSS 301 Monitor Test	Successful
AM1723	1/12/1984		1984 FMVSS 301 Development Test	Successful
AM1736	2/10/1984		1984 FMVSS 301 Development Test	Successful
AM1762	4/3/1984	1984 XJ - 20.2 gallon fuel tank - skid plate	1984 FMVSS 301 Certification Test	Successful
AM1798	5/30/1984		1984 FMVSS 301 Development Test	Unsuccessful
AM1829	9/20/1984		1984 FMVSS 301 Development Test	Successful
AM1845	12/20/1984		1984 FMVSS 301 Development Test	Successful
AM1848	11/28/1984		1985 FMVSS 301 Development Test	Successful
AM1880	2/26/1985		1985 FMVSS 301 Development Test	Unsuccessful
AM1888	5/21/1985	1986 XJ - 20.2 gallon fuel tank	1986 MY FMVSS 301 Compliance Test used for 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, & 1994 Model Year Compliance	Successful
AM1928	5/23/1985		1985 FMVSS 301 Development Test	Successful
AM1932	6/4/1985	1985 XJ - 13.5 gallon fuel tank - new production intent engine mount.	1986 MY FMVSS 301 Compliance Test used for 1986, 1987 & 1988 Model Year Compliance	Successful
AM2028	3/17/1987	1987 XJ fuel system - 20 gallon fuel tank	1987 compliance test used for 1989, 1990, & 1991 model year Compliance	Successful
AM2041	3/17/1987	1987 XJ fuel system proposed new filler tube and mounting at filler door area. 20 gallon fuel tank	1987 production compliance - relied on for 1989, 1990, 1991, 1992, 1993, & 1994 compliance	Successful
VC3597	3/25/1988		1990 MY FMVSS 301 Development Test	Successful
VC3790	12/22/1988		1991 MY FMVSS 301 Development Test	Unsuccessful
VC3860	4/4/1989		1991 MY FMVSS 301 Development Test	Successful
VC3918	6/15/1989		1991 MY FMVSS 301 Development Test	Unsuccessful
VC3960	8/25/1989		1991 MY FMVSS 301 Development Test	Unsuccessful
VC5211	8/2/1994	1995 XJ built with a 1995 production fuel system. Includes new fuel sending locking ring. 20 gallon steel fuel tank.	1995 MVSS 301 Compliance relied on for the 1995 & 1996 Compliance Reporting	Successful
VC5241	9/21/1994		1997 MY FMVSS 301 Development Test	Unsuccessful
VC5282	10/21/1994		1997 MY FMVSS 301 Development Test	Unsuccessful EA12-005- Chrysler -013273
VC5309	12/12/1994		1997 MY FMVSS 301 Development Test	Successful

**1984-2001 MY Cherokee (XJ)
FMVSS 301 Test History**

VC5383	2/20/1995		1997 MY FMVSS 301 Development Test	Successful
VC5682	11/4/1995		1997 MY FMVSS 301 Development Test	Successful
VC6062	8/20/1996	1997 XJ production intent 20 gallon plastic fuel tank. Fuel system production intent	1997 Compliance Test relied on for 1997, 1998, 1999, 2000.	Successful
VC6146	10/16/1996	1997 XJ factory trailer hitch installed. Fuel system production intent - 20 gallon plastic fuel tank.	1997 Compliance Test relied on for 1997, 1998, 1999, 2000 & 2001.	Successful

EA12-005

CHRYSLER

12-13-2012

Enclosure 6C

Summary of 301 Crash Tests

Public

KJ FMVSS 301 Test History

Liberty (KJ) Development Test

Summaries Public

2002 - 2007 KJ VC Development Summary

VC #	Test Date	Vehicle Tested	Purpose of Test	Result
VC07506	4/25/1999		2002 MY FMVSS 301 Development Test	Successful
VC07623	6/16/1999		2002 MY FMVSS 301 Development Test	Successful
VC07746	8/27/1999		2002 MY FMVSS 301 Development Test	Unsuccessful
VC08023	12/13/1999		2002 MY FMVSS 301 Development Test	Successful
VC08025	12/13/1999		2002 MY FMVSS 301 Development Test	Unsuccessful
VC08268	8/3/2000		2001 MY FMVSS 301 Development Test	Successful
VC08459	5/17/2000		2001 MY FMVSS 301 Development Test	Successful
VC08945	12/5/2000		2001 MY FMVSS 301 Development Test	Successful
VC09026	1/29/2001	2002 prototype KJ with design intent swing gate handle and fuel lines. Production intent exhaust flange	2001 MY FMVSS 301 Compliance Test	Successful
VC09029	2/27/2001		2002 MY FMVSS 301 Development Test	Successful
VC09089	3/6/2001		2002 MY FMVSS 301 Development Test	Successful
VC09094	3/12/2001	2002 prototype KJ with design intent swing gate handle and fuel lines. Production intent exhaust flange	2002 MY FMVSS 301 Compliance Test	Successful
VC09559	2/6/2002		2002 MY FMVSS 301 Development TEST	Successful
VC09935	6/21/2002		2003 MY FMVSS 301 Development TEST	Unknown
VC10306	11/14/2002		2003 MY FMVSS 301 Development TEST	Successful
VC10307	11/14/2002		2003 MY FMVSS 301 Development TEST	Successful
VC10445	1/30/2003		2003 MY FMVSS 301 Development TEST	Successful
VC10499	2/17/2003		2004 MY FMVSS 301 Development TEST	Successful
VC10546	3/20/2003	2004 production intent KJ	2004 MY FMVSS 301 Compliance Test	Successful
VC10771	6/6/2003		2004 MY FMVSS 301 Development TEST	Successful
VC11439	2/6/2004		2005 MY FMVSS 301 Development TEST	Successful
VC11444	3/17/2004		2005 MY FMVSS 301 Development TEST	Successful
VC11711	5/13/2004	2005 production intent KJ	2005 MY FMVSS 301 Compliance Test	Successful
VC11790	6/4/2004	2005 production intent KJ	2005 MY FMVSS 301 Compliance Test	Successful

EA12-005

CHRYSLER

12-13-2012

Enclosure 6F

FARS and NAS Analyses

FARS Data Analysis Dec 2012

FARS Data Analysis

SUVs and Cars

Contents

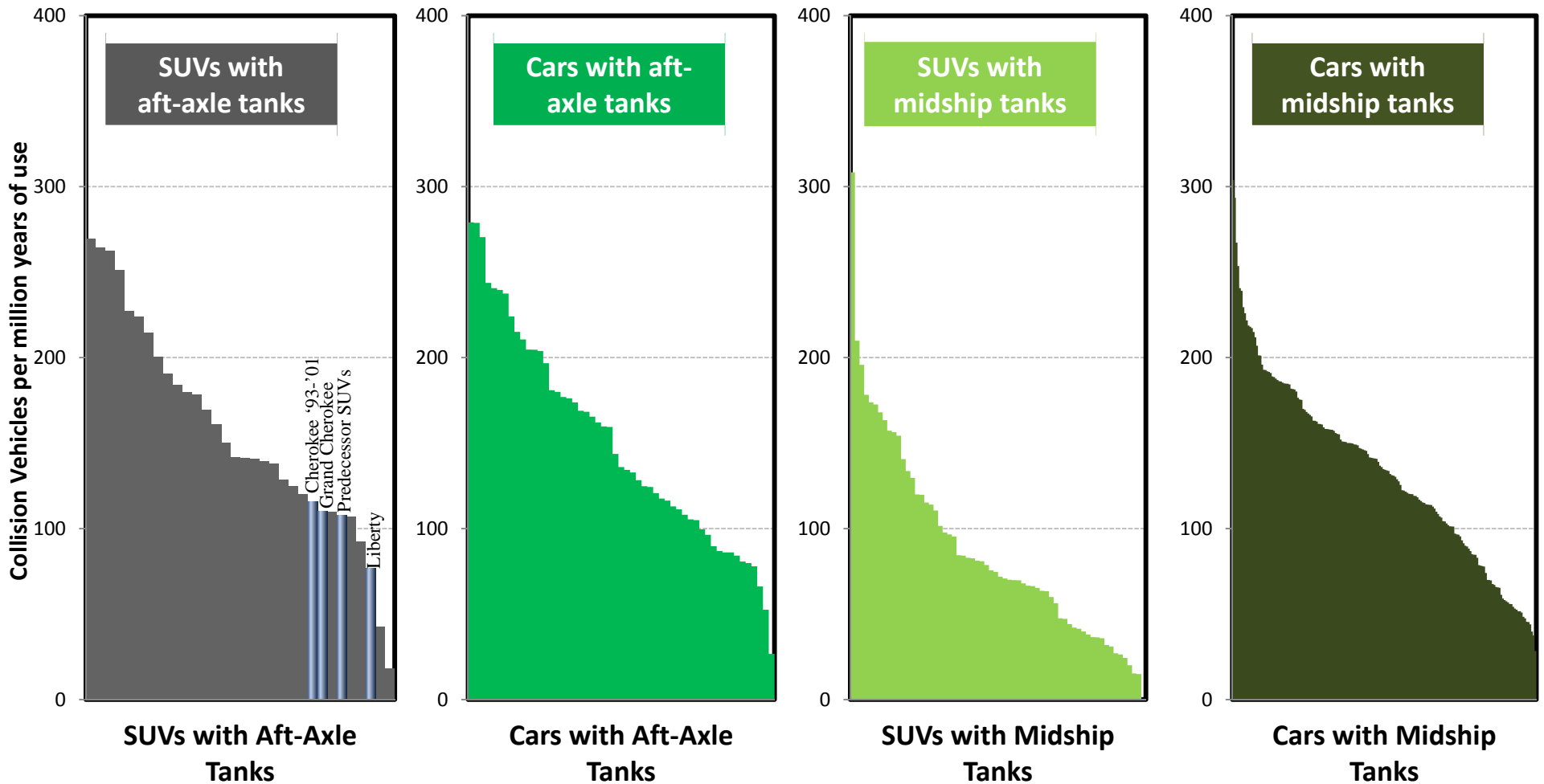
- Crash rates defined as collision vehicles per million years of use (million registered vehicle years), based on:
 - FARS data 1984-2010
 - RL Polk vehicle registration data
 - 95% confidence interval calculations about rates
- Rates of crashes of different types, rank-ordered by individual model
- Average rates of crashes of different types, grouped by vehicle type, tank location and subject vehicle. Includes confidence intervals.
- Rates of fatal rear crashes accompanied by fire, rank-ordered by model (including confidence intervals)
 - 100 models having the highest rates
 - SUVs and Passenger Cars with aft-axle fuel tanks
 - SUVs with aft-axle or midship fuel tanks
 - SUVs with aft-axle fuel tanks

Rates Rank-Ordered by Model

- Models grouped according to vehicle type and tank location
 - SUV vs. Passenger car
 - Aft-axle vs. Midship tank location
- Rates are per million years of use (million registered vehicle years)
 - Vehicles in a collision with an occupant fatality
 - Vehicles in a collision with an occupant fatality accompanied by fire
 - Rear crashes with an occupant fatality
 - Rear crashes with an occupant fatality accompanied by fire
 - Rear crashes with an occupant fatality and fire as the Most Harmful Event (MHE)
 - Rear crashes (fatality in any vehicle in the crash) accompanied by fire
 - Rear crashes (fatality in any vehicle in the crash) with fire as the MHE

Rates of Fatal Collisions

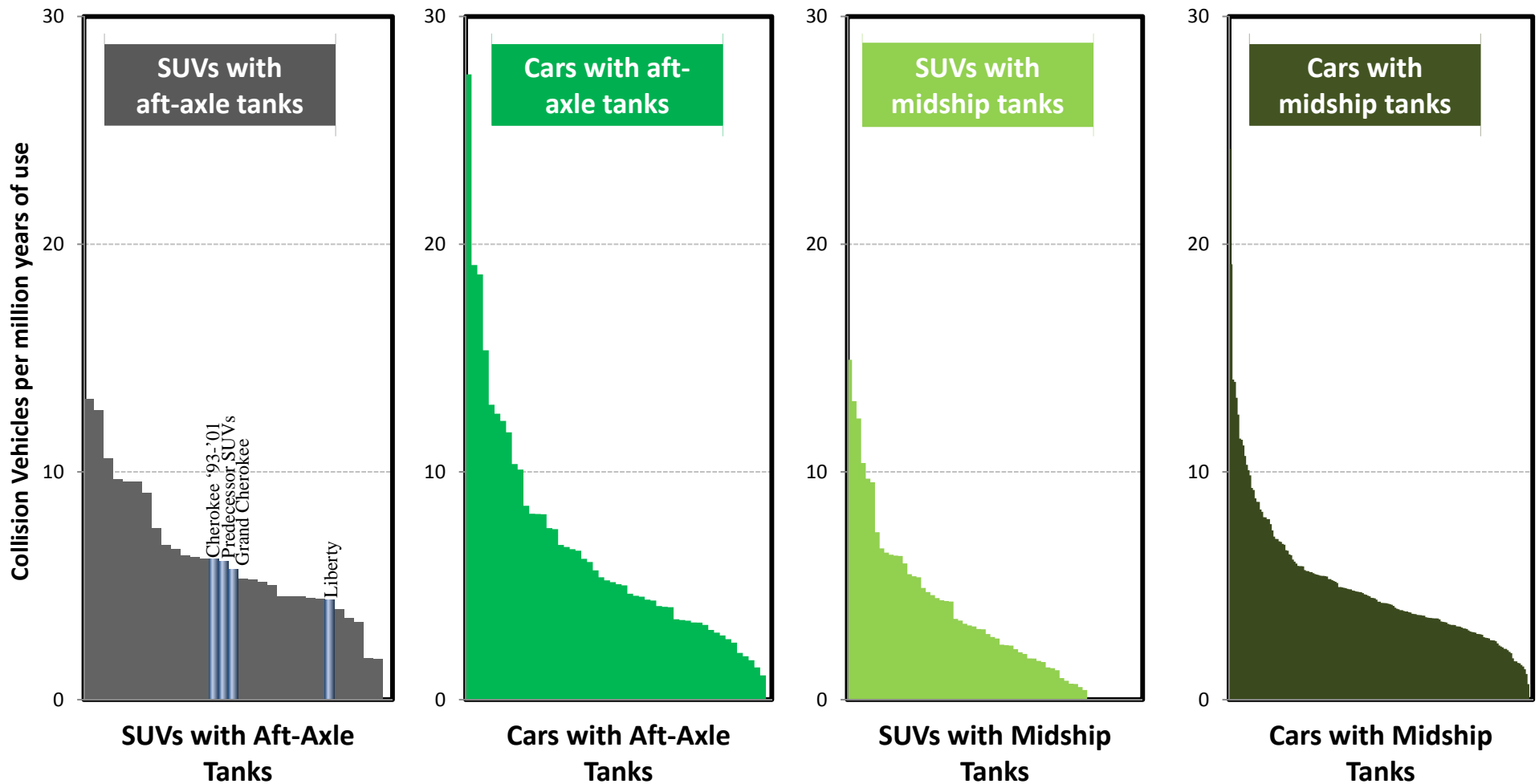
Vehicles involved in any collision with occupant fatality, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes collision vehicles with an occupant fatality.

Rates of Fatal Collisions with Fire

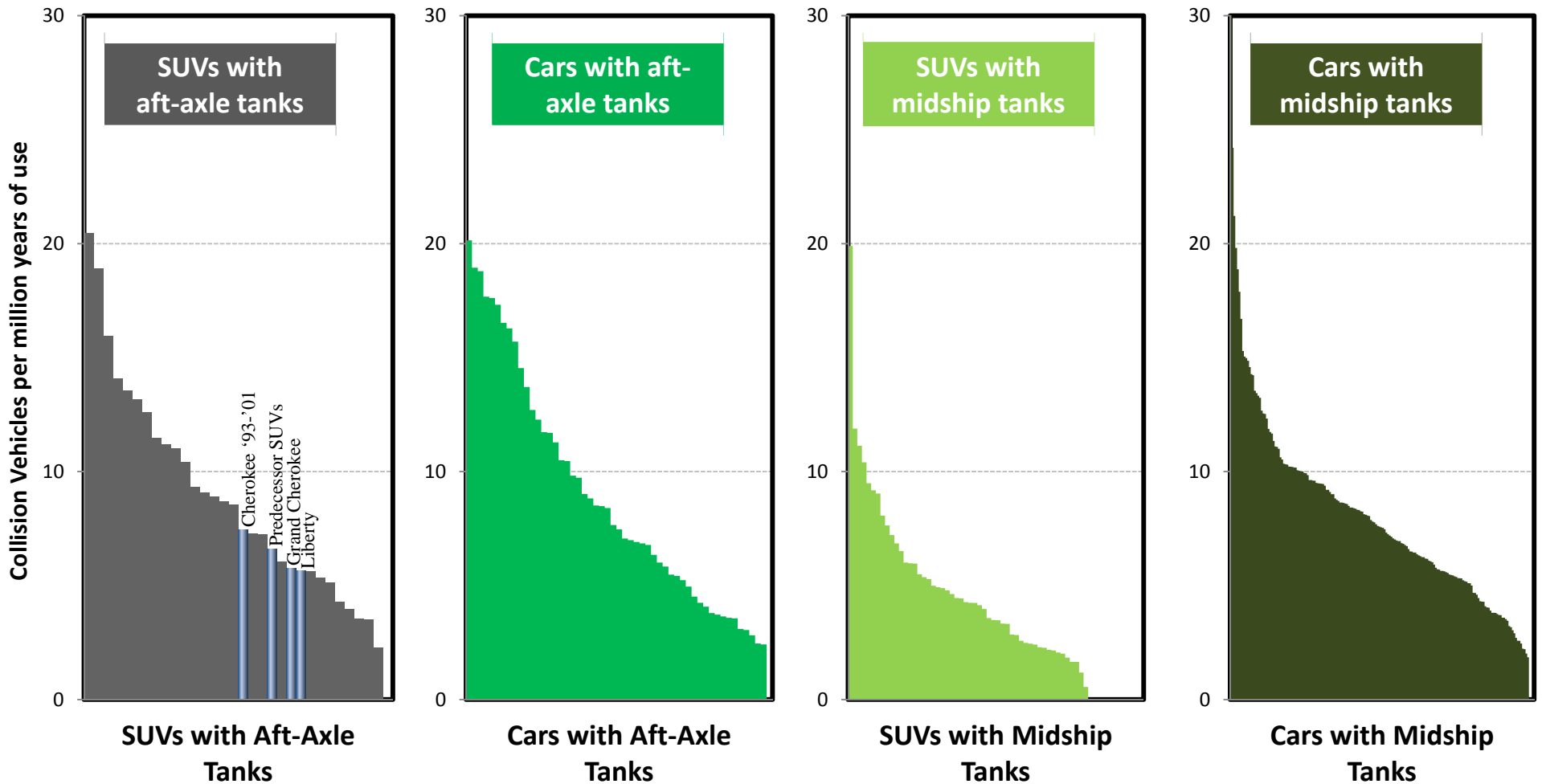
Vehicles involved in any collision with occupant fatality and post-collision fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes collision vehicles with an occupant fatality where the vehicle experienced a post-collision fire.

Rates of Rear Fatal Collisions

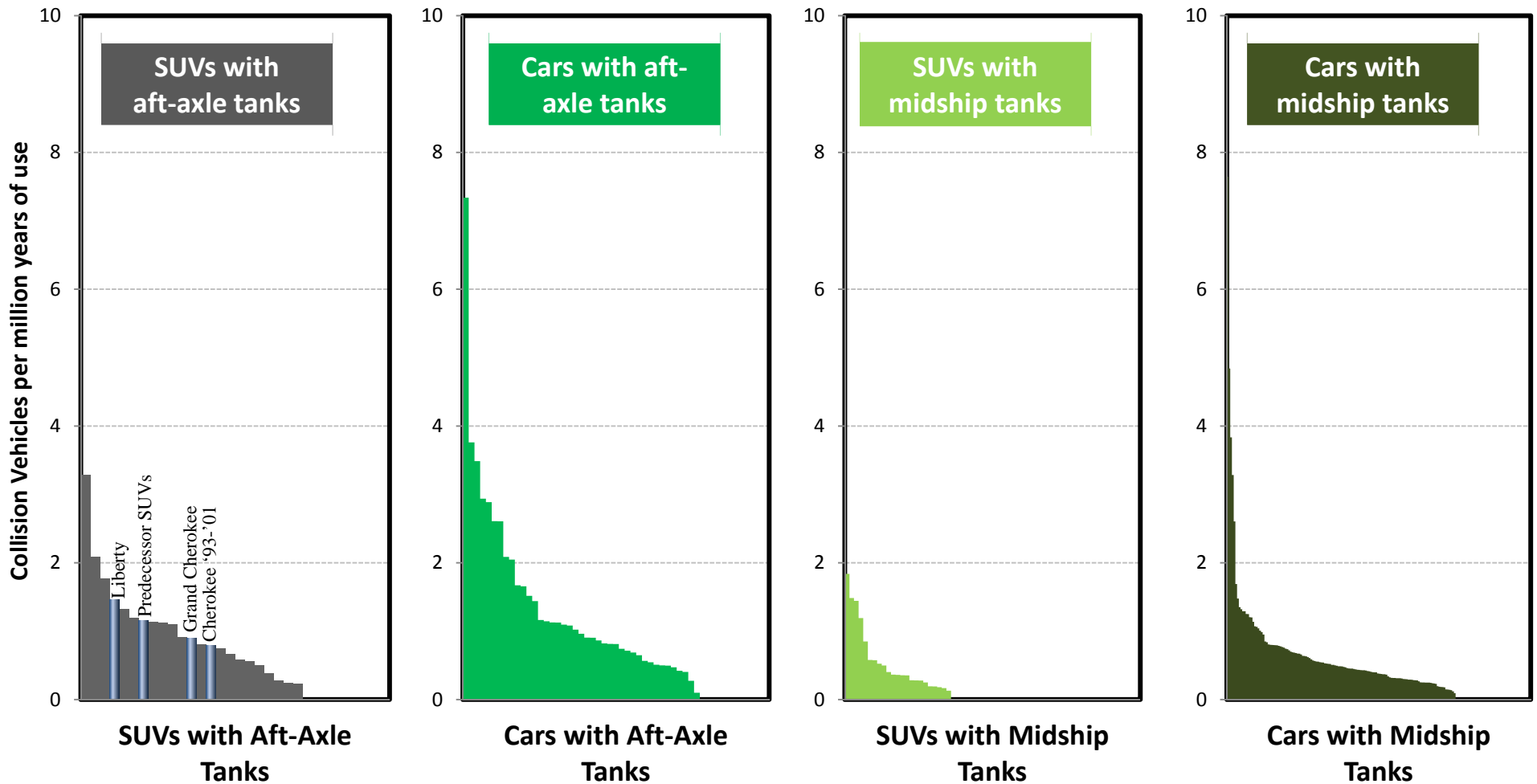
Vehicles involved in a rear collision with occupant fatality, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Rear collision includes either initial or principal impact to clock points 5, 6, or 7. Includes collision vehicles with an occupant fatality.

Rates of Rear Fatal Collisions with Fire

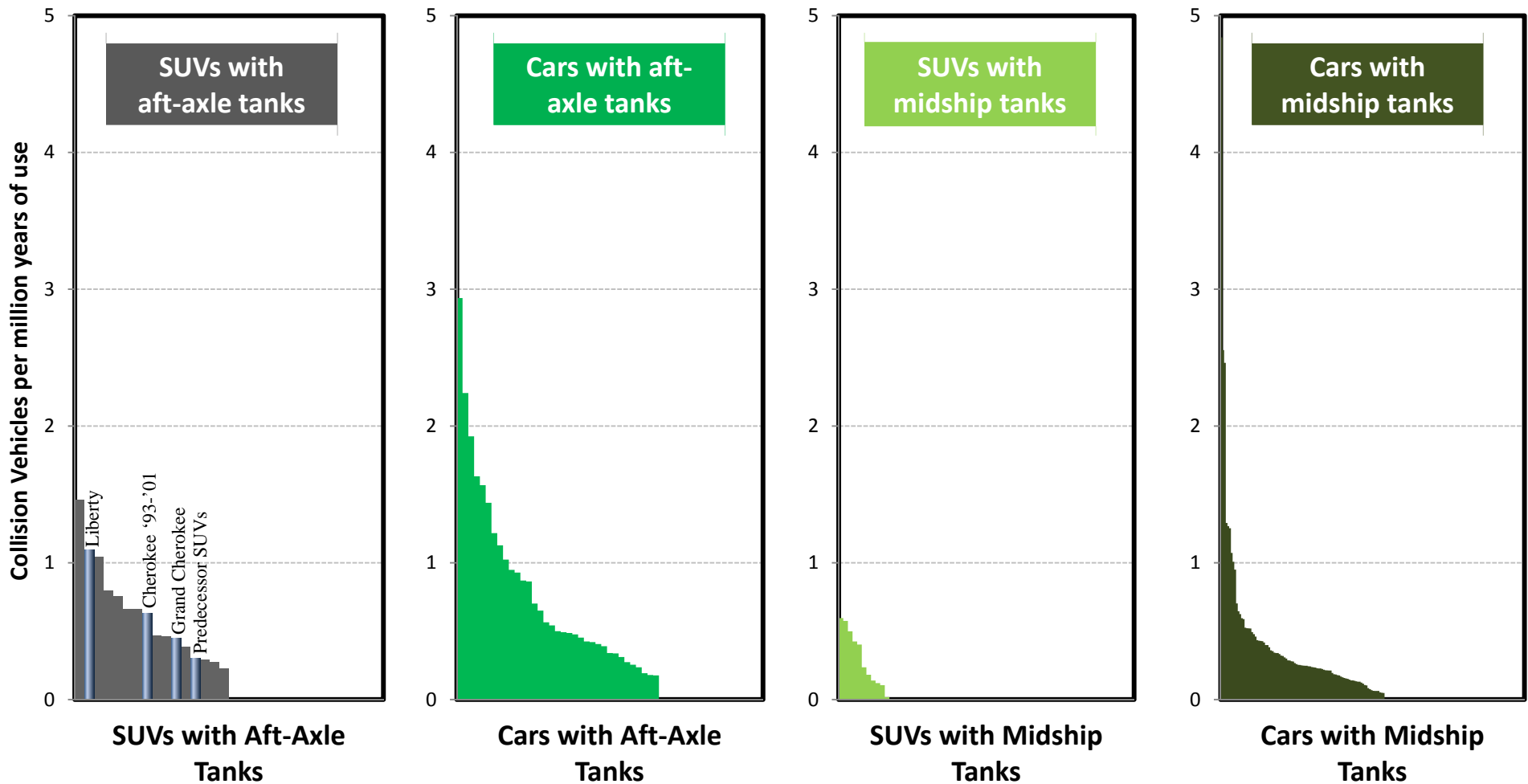
Vehicles involved in a rear collision with occupant fatality and fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Rear collision includes either initial or principal impact to clock points 5, 6, or 7. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire.

Rates of Rear Fatal Collisions with MHE Fire

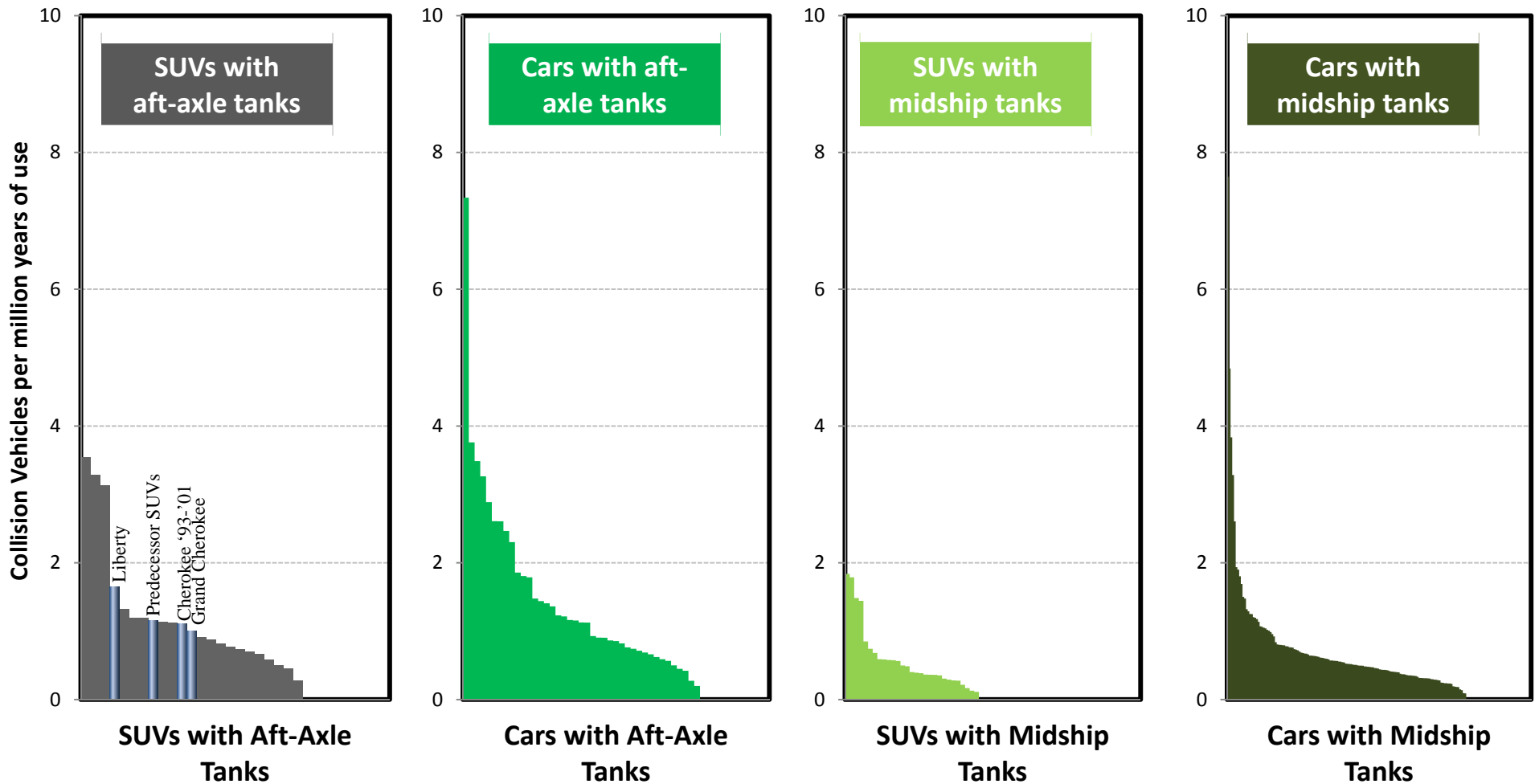
Vehicles involved in a rear collision with occupant fatality and most harmful event fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from BL Policy Report 2005-01, slide 34-39 collision includes either initial or principal impact to clock points 5, 6, or 7. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire as the most harmful event.

Rates of Rear Collisions with Fire

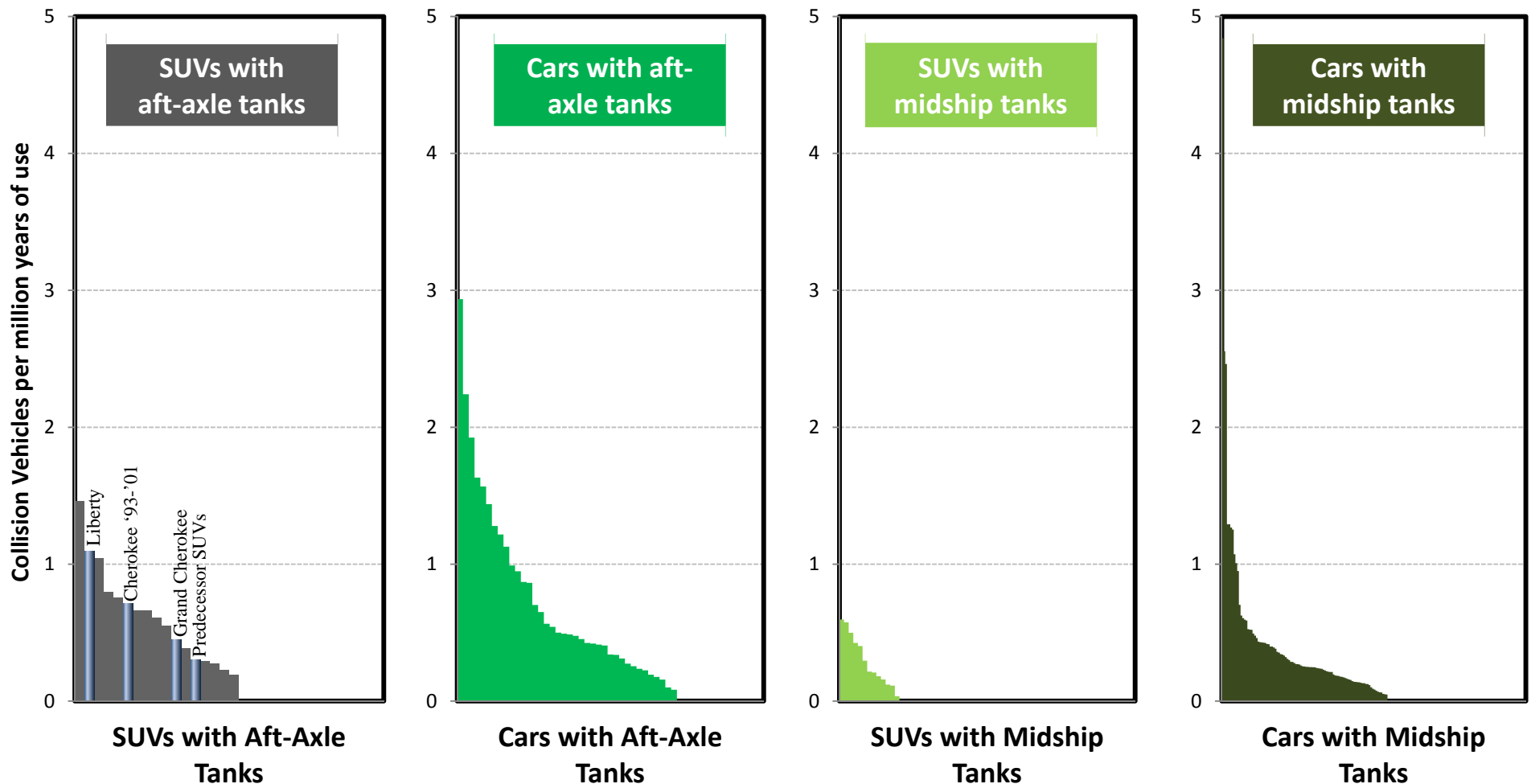
Vehicles involved in a rear collision with post-collision fire, per million years of use
 Fatality in any vehicle in the crash



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Rear collision includes either initial or principal impact to clock points 5, 6, or 7. Includes vehicles where the vehicle experienced a post-collision fire. Fatality in any vehicle in the crash.

Rates of Rear Collisions with MHE Fire

Vehicles involved in a rear collision with fire as MHE, per million years of use
 Fatality in any vehicle in the crash



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from PL Park, Bear EA12-005- Chrysler-034841 collision includes either initial or principal impact to clock points 5, 6, or 7. Includes vehicles where the vehicle experienced a post-collision fire as the most harmful event. Fatality in any vehicle in the crash.

Conclusions

Vehicles Rank Ordered and Grouped

- Within the four different groupings of vehicles, for each category of collision type studied*
 - Vehicle models have differences in rates that vary markedly, sometimes by more than an order of magnitude
 - The Subject SUV Design vehicles** have rates that are neither the highest nor the lowest within their grouping

* Groupings of vehicles are: SUVs with aft-axle fuel tanks, Passenger Cars with aft-axle fuel tanks, SUVs with midship fuel tanks, and Passenger Cars with midship fuel tanks. Categories of collision types include a) collision vehicles with an occupant fatality, b) collision vehicles with an occupant fatality accompanied by fire, c) vehicles in a rear collision with occupant fatality, d) vehicles in a rear collision with occupant fatality accompanied by fire, e) vehicles in a rear collision with occupant fatality and MHE fire, f) vehicles in a rear collision accompanied by fire (fatality in any vehicle in the crash), and g) vehicles in a rear collision accompanied by MHE fire (fatality in any vehicle in the crash).

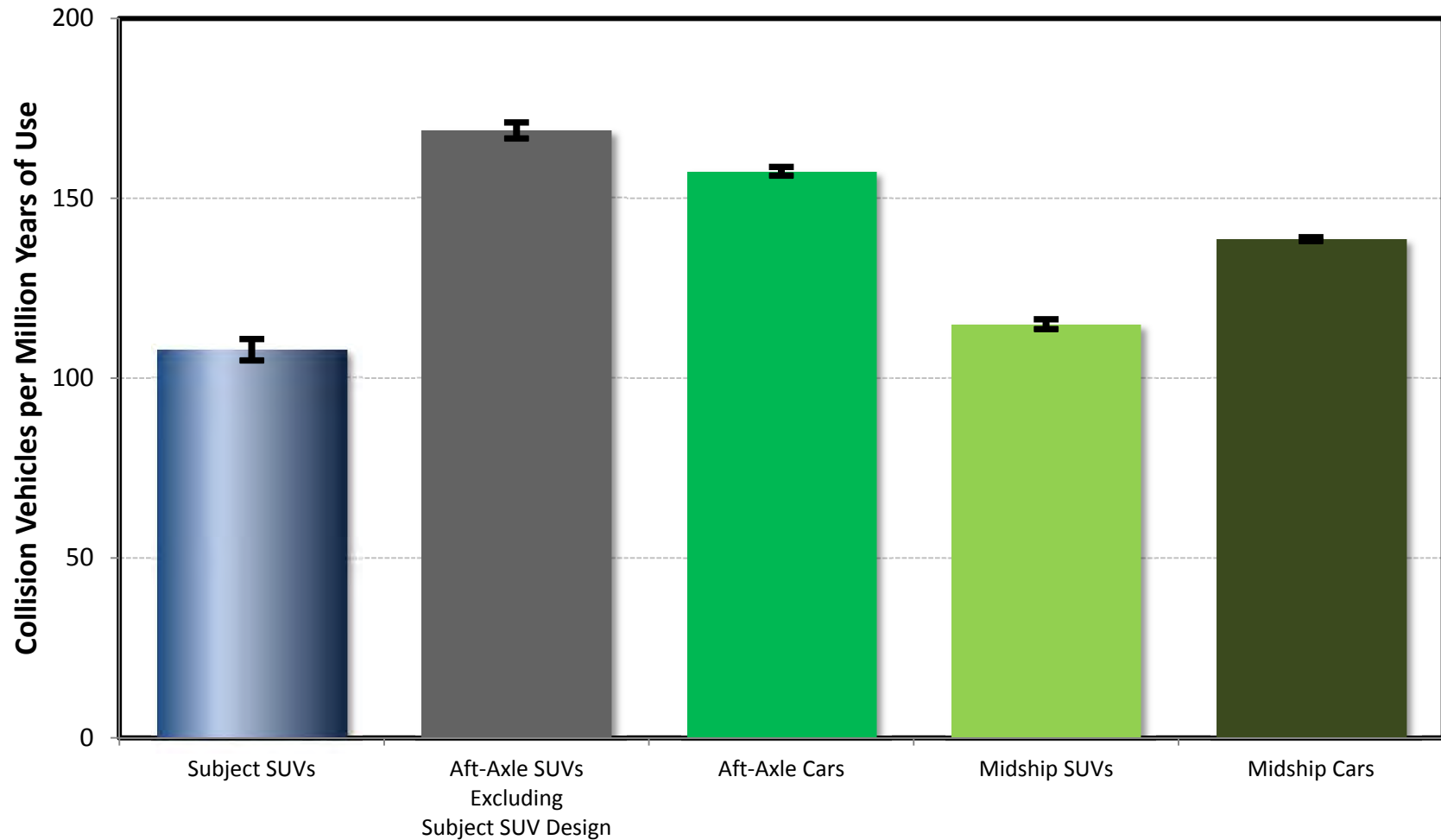
** Subject SUVs are the 1993-2004 Grand Cherokee, 1993-2001 Cherokee, and 2002-2007 Liberty. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are Jeep Cherokee 1984-1992 and Wagoneer 1984-1990.

Grouped Rates of Crashes

- Rates grouped by vehicle type and tank location, shown with confidence intervals
 - SUV vs. Passenger car
 - Aft-Axle vs. Midship tank location
 - Subject SUVs
 - Grand Cherokee 1993-2004
 - Cherokee 1993-2001
 - Liberty 2002-2007
 - Subject SUV Design vehicles
 - Subject SUVs
 - Cherokee 1984-1992 and Wagoneer 1984-1990
 - Rates for SUVs with aft-axle tanks do not include Subject SUV Design vehicles
 - Rates shown with confidence intervals
- Collision types
 - Fatal collisions
 - Fatal collisions with fire
 - Rear fatal collisions
 - Rear fatal collisions with fire
 - Rear fatal collisions with MHE fire

Rates of Fatal Collisions

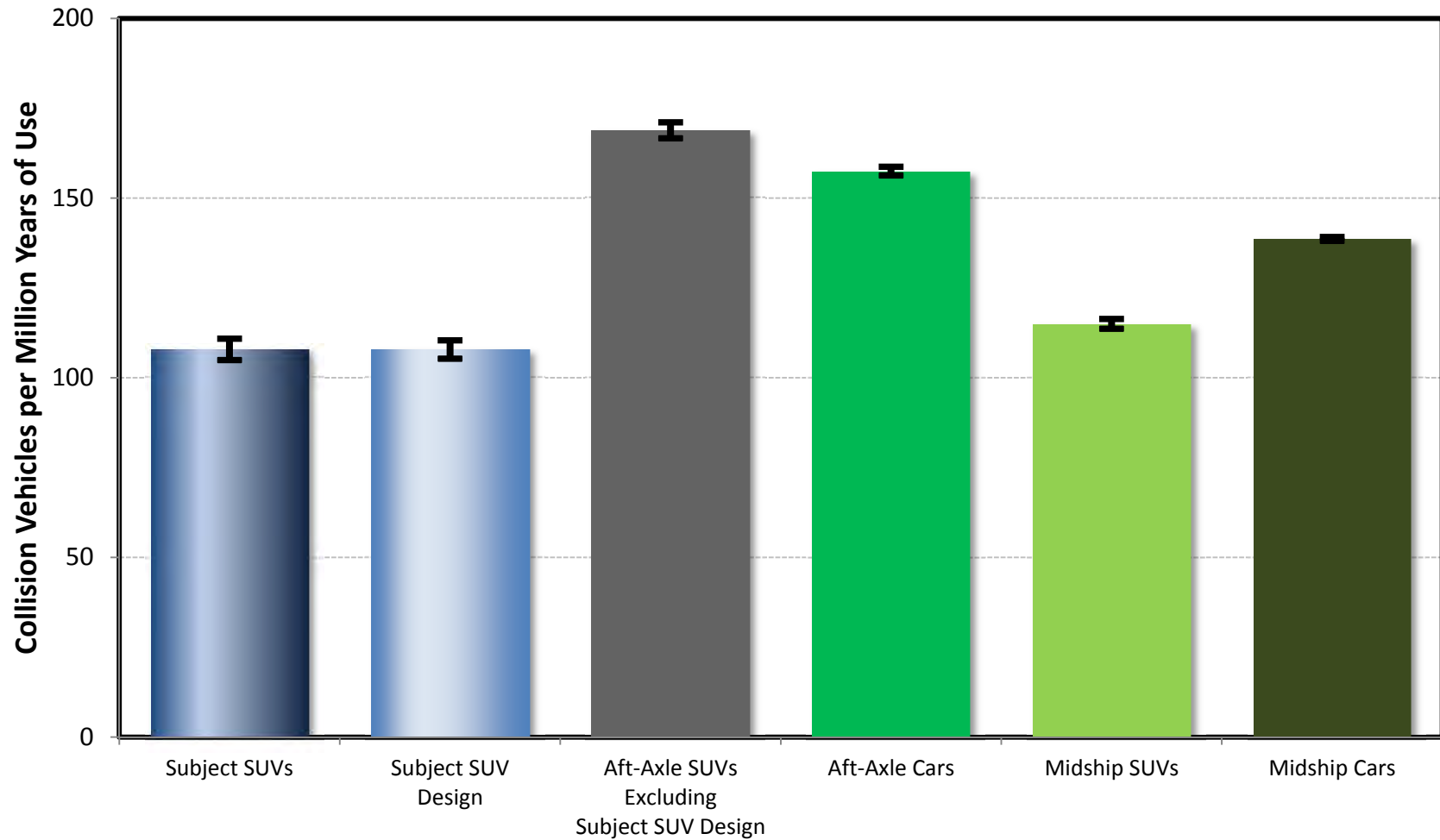
Vehicles involved in any collision with occupant fatality, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as Predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other Vehicle Categories include: Aft-Axle Cars 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes collision vehicles with an occupant fatality. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Rates of Fatal Collisions

Vehicles involved in any collision with occupant fatality, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as Predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other Vehicle Categories include: Aft-Axle Cars 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes collision vehicles with an occupant fatality. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Conclusions

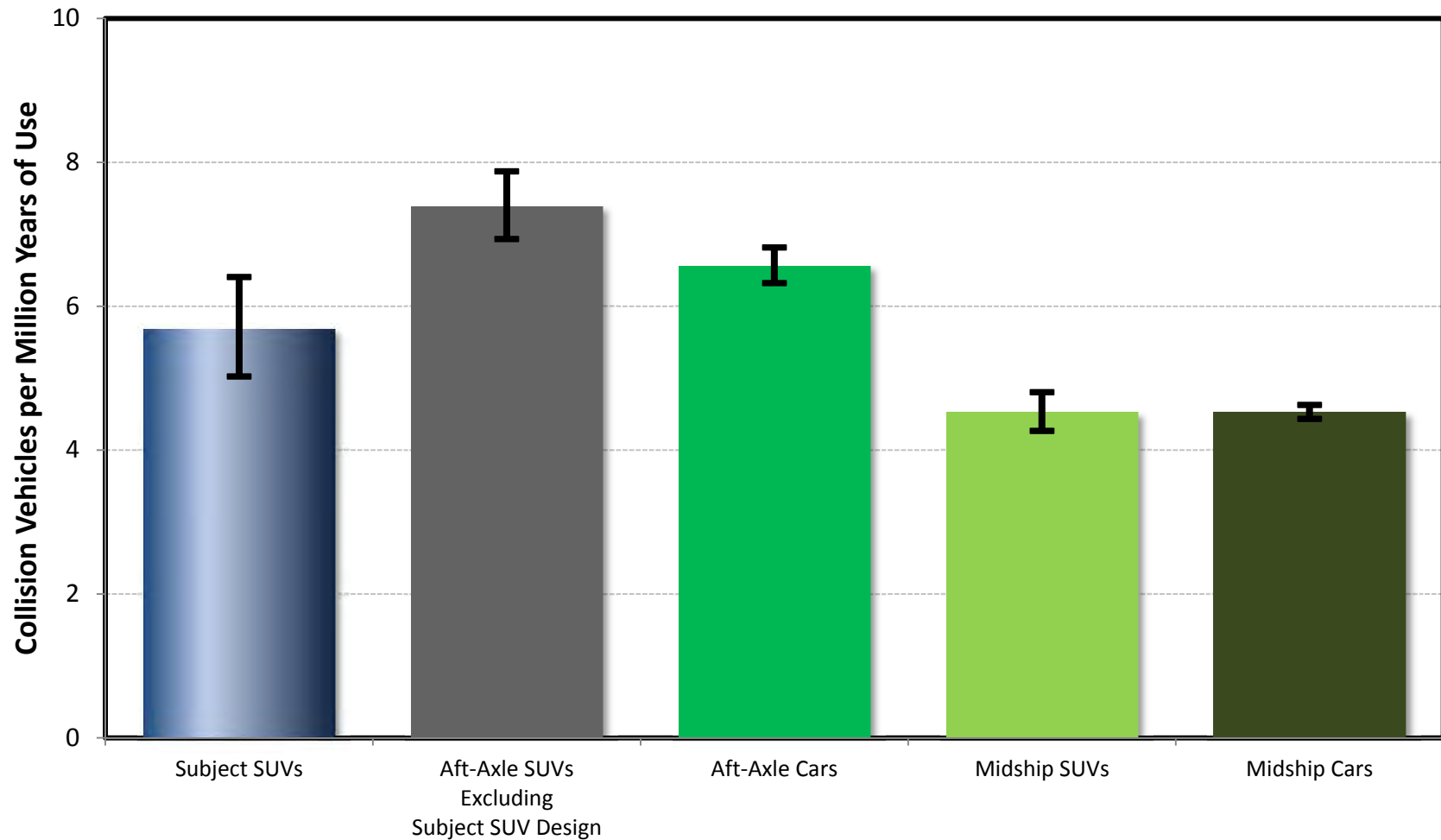
Rates of Collisions with Occupant Fatality

- Collectively, the Subject SUVs and Subject SUV Design vehicles have rates of collisions with occupant fatality that are statistically significantly* better than the average rates for the other groups of vehicles.
- The different groupings of vehicles have average rates that are statistically significantly* different from each other.

* Statistical significance between rates is calculated by comparing the 95% confidence intervals about those rates. If the 95% confidence intervals for two rates overlap, then the difference in these rates is not considered statistically significant.

Rates of Fatal Collisions with Fire

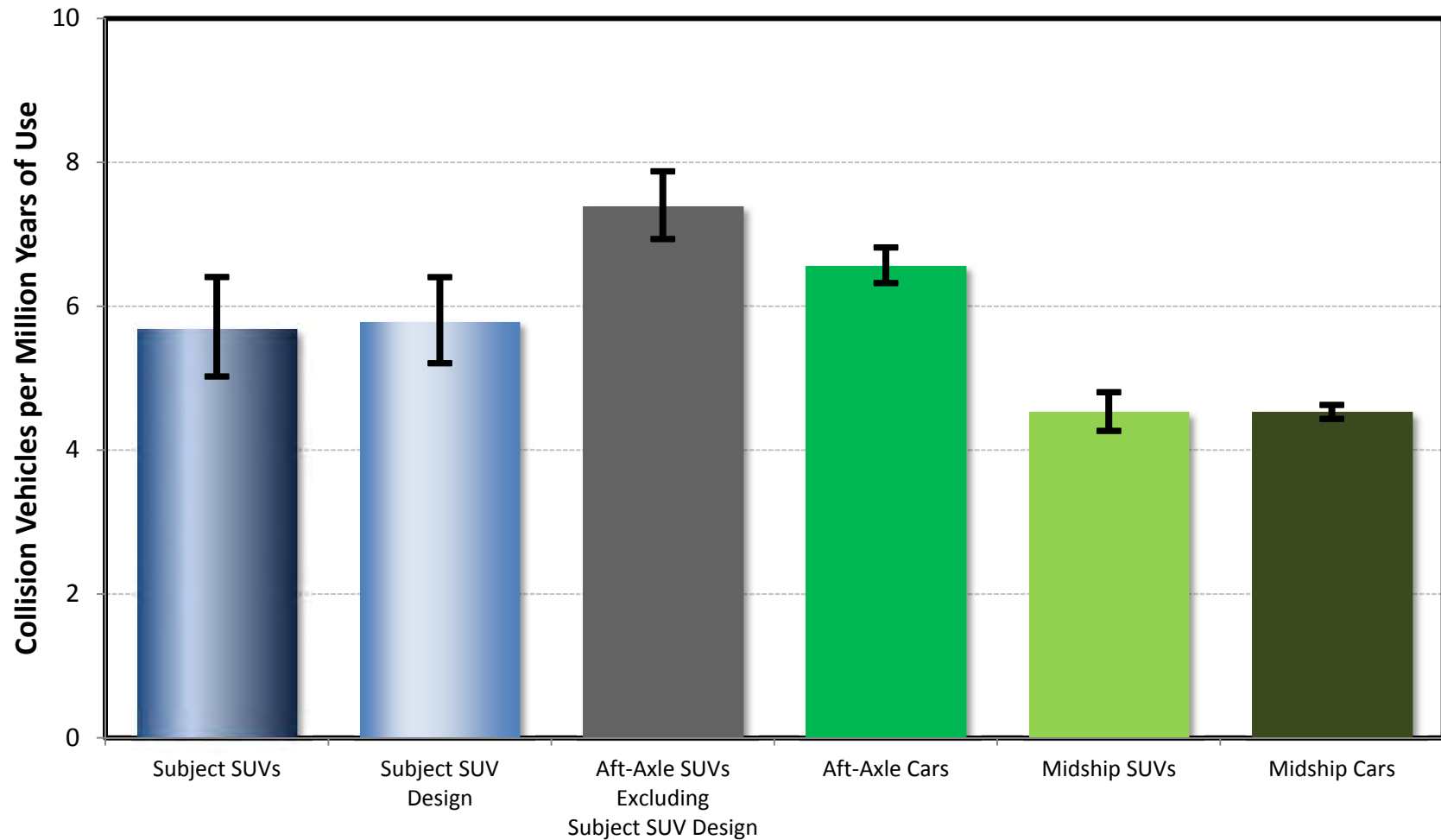
Vehicles involved in any collision with occupant fatality and post-collision fire, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicle are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Rates of Fatal Collisions with Fire

Vehicles involved in any collision with occupant fatality and post-collision fire, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicle categories include: Aft-Axle Cars model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Conclusions

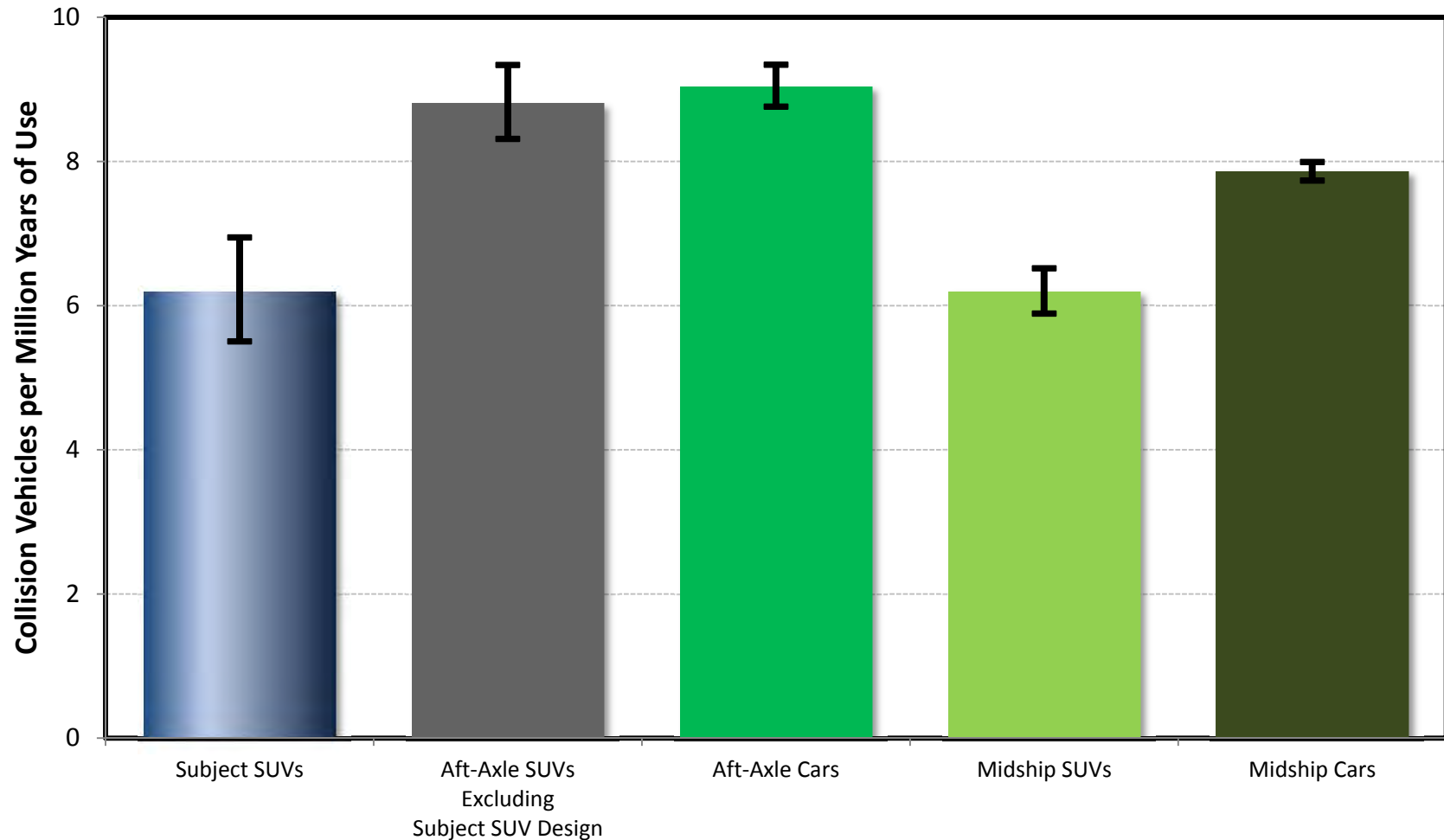
Rates of Collisions with Occupant Fatality and Fire

- Collectively, the Subject SUVs and Subject SUV Design vehicles have rates of collision with occupant fatality accompanied by fire that are statistically significantly* better than the average rate for the other aft-axle SUVs.
- The rates of collision with occupant fatality accompanied by fire for Cars and SUVs with midship fuel tanks are statistically significantly* better than the average rates for the other groupings of vehicles.

* Statistical significance between rates is calculated by comparing the 95% confidence intervals about those rates. If the 95% confidence intervals for two rates overlap, then the difference in these rates is not considered statistically significant.

Rates of Fatal Rear Collisions

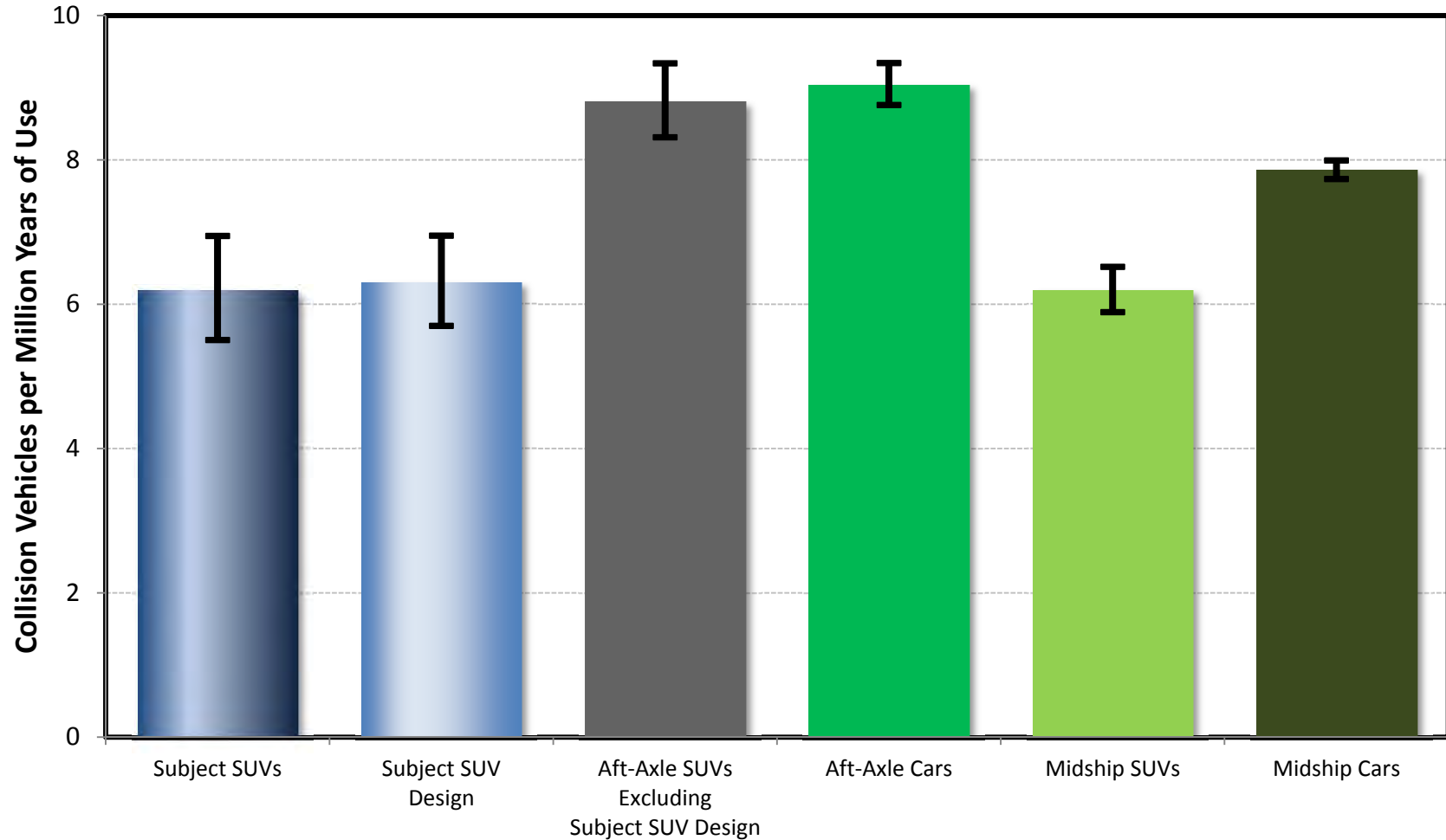
Vehicles involved in a rear collision with occupant fatality, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes vehicles involved in a rear collision with an occupant fatality. Rear collision includes either initial or principal impact at clock points 5, 6, or 7. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Rates of Fatal Rear Collisions

Vehicles involved in a rear collision with occupant fatality, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes vehicles involved in a rear collision with an occupant fatality, either initial or principal impact at clock points 5, 6, or 7. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Conclusions

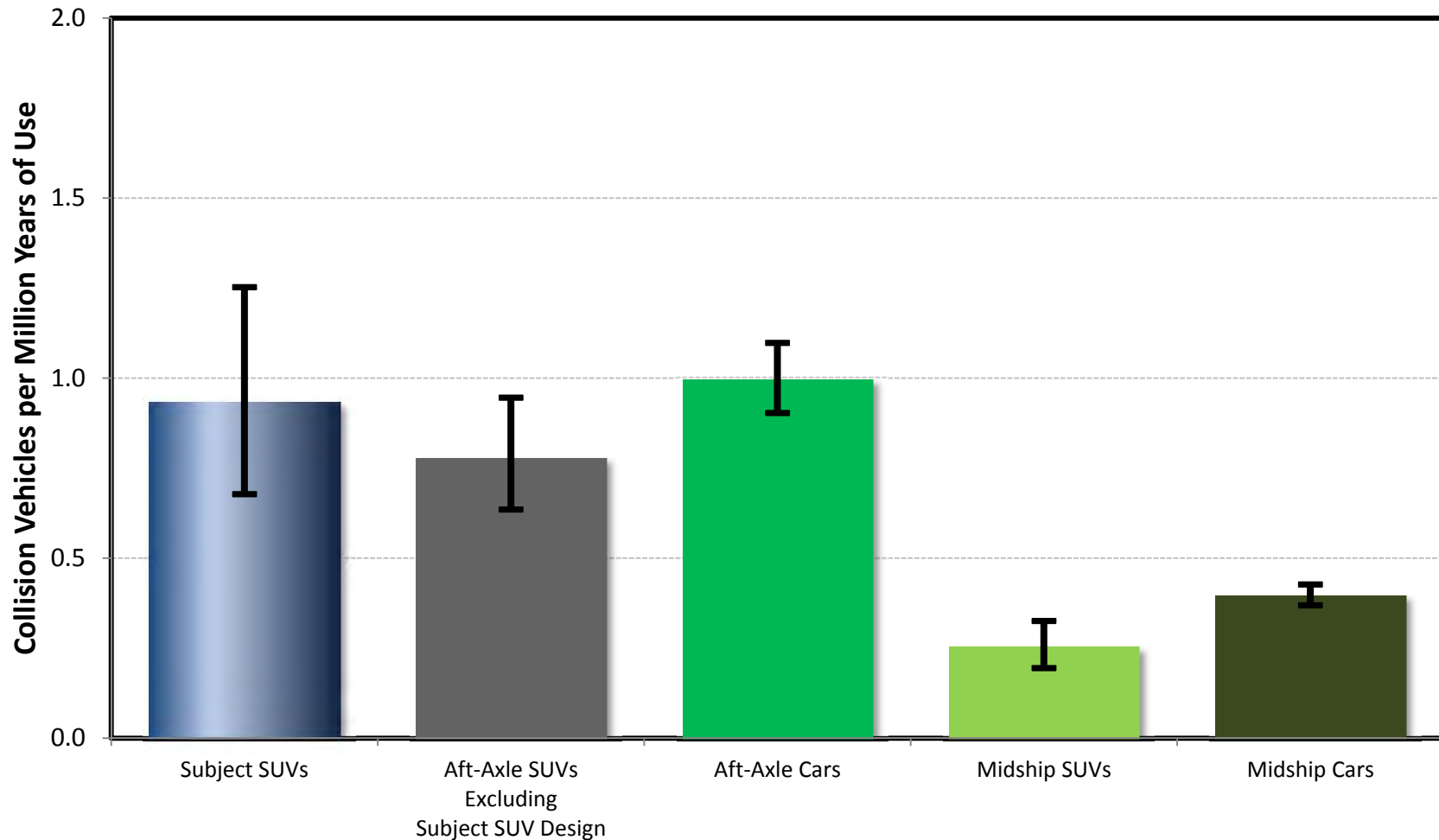
Rates of Rear Collisions with Occupant Fatality

- Collectively, the Subject SUVs and Subject SUV Design vehicles have rates of rear collision with occupant fatality that are statistically significantly* better than the average rates for SUVs with aft-axle tanks, passenger cars with aft-axle tanks, and passenger cars with midship tanks.
- Collectively, the Subject SUVs and Subject SUV Design vehicles have rates of rear collision with occupant fatality that are not statistically significantly* different from the average rate for SUVs with midship fuel tanks.

* Statistical significance between rates is calculated by comparing the 95% confidence intervals about those rates. If the 95% confidence intervals for two rates overlap, then the difference in these rates is not considered statistically significant.

Rates of Fatal Rear Collisions with Fire

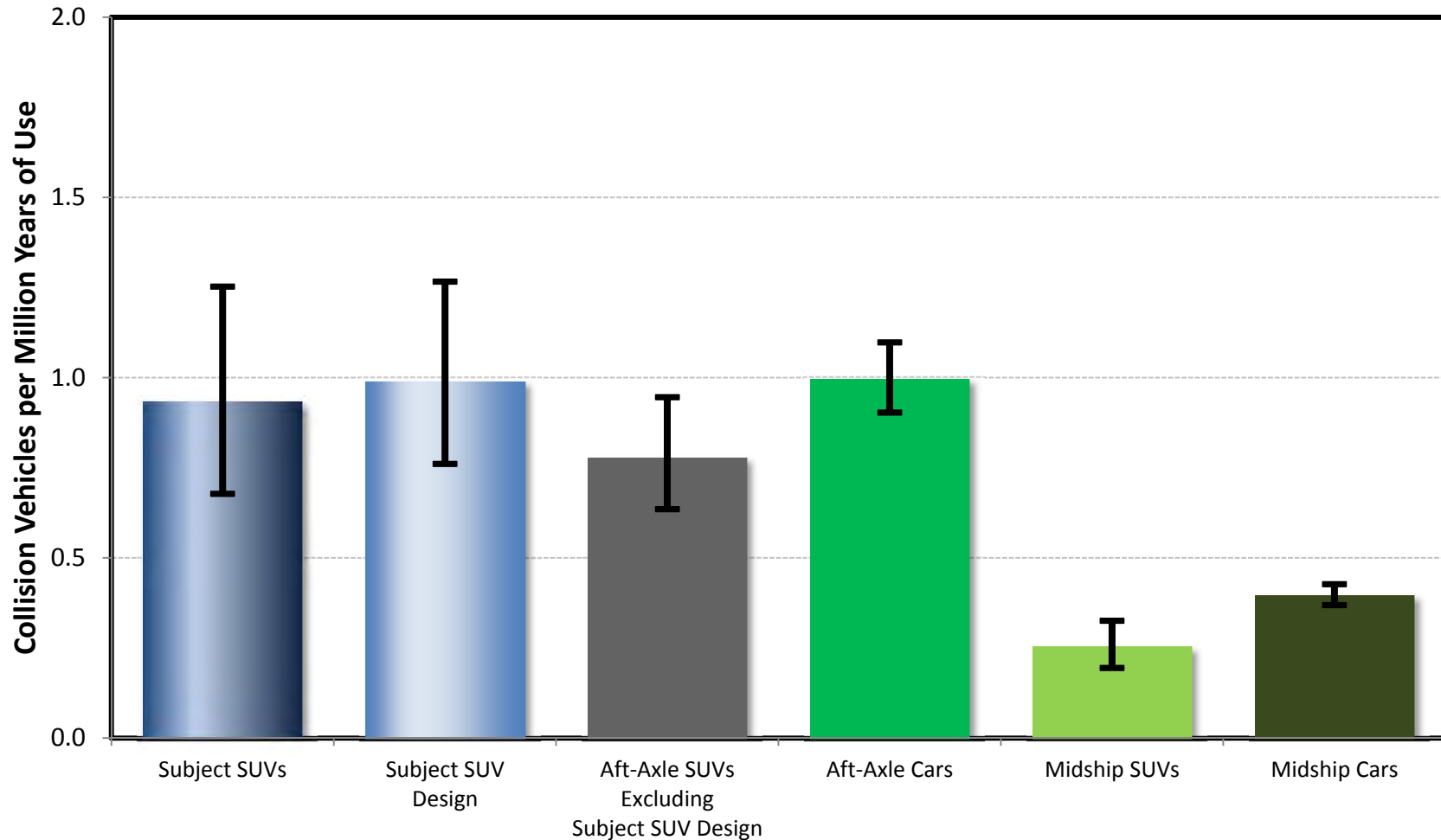
Vehicles involved in a rear collision with occupant fatality and fire, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes vehicles involved in a rear collision with an occupant fatality where the vehicle experienced a post-collision fire. Rear collision includes either initial or principal impact at clock points 5, 6, or 7. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Rates of Fatal Rear Collisions with Fire

Vehicles involved in a rear collision with occupant fatality and fire, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes vehicles involved in a rear collision with an occupant fatality where the vehicle experienced a post-collision fire. Rear collision includes either initial or principal impact at clock points 5, 6, or 7. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Conclusions

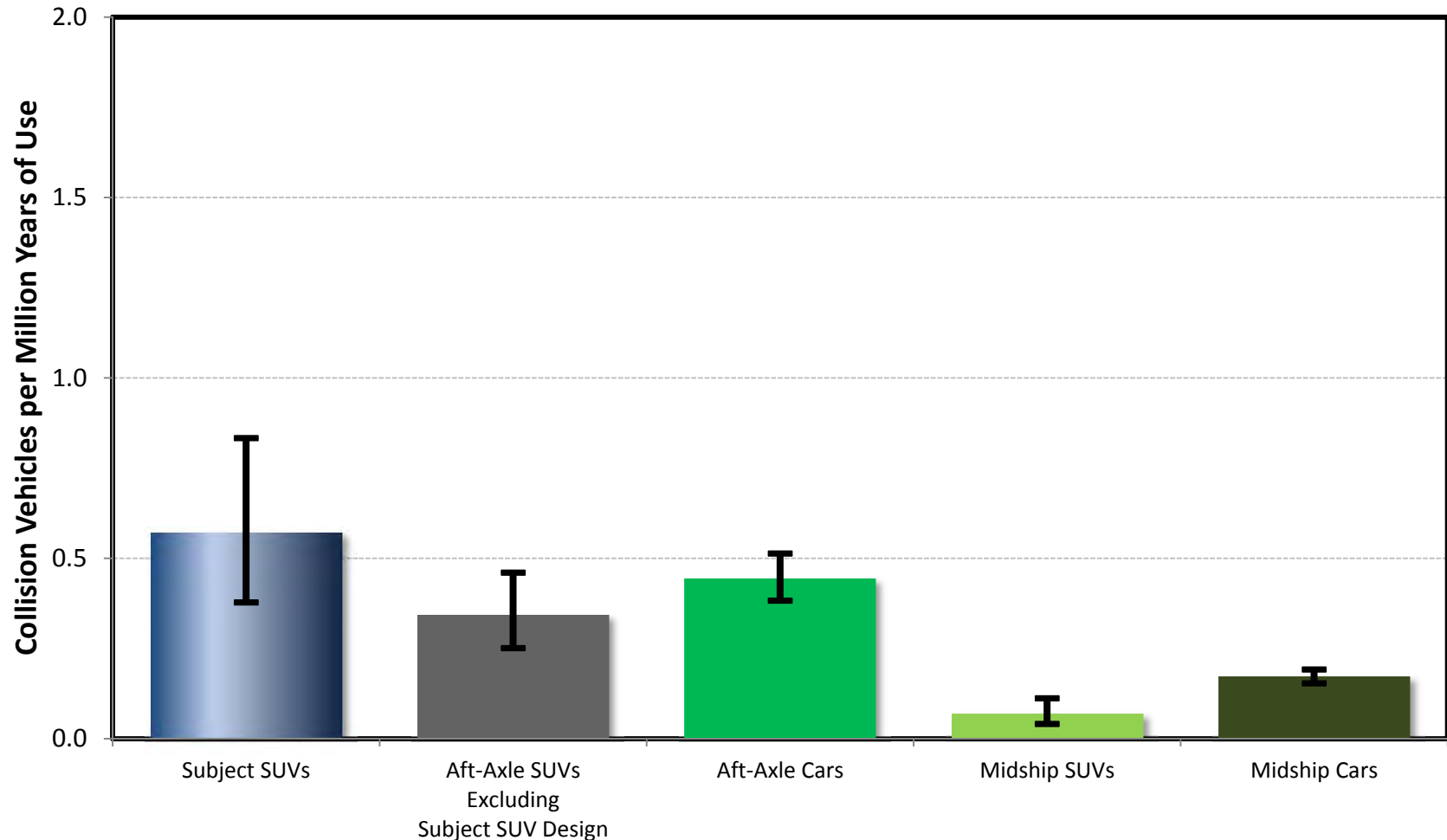
Rates of Rear Collisions with Occupant Fatality and Fire

- Collectively, the Subject SUVs and Subject SUV Design vehicles have rates of rear collision with occupant fatality accompanied by fire that are not statistically significantly* different from the average rates for SUVs with aft-axle tanks or passenger cars with aft-axle tanks.

* Statistical significance between rates is calculated by comparing the 95% confidence intervals about those rates. If the 95% confidence intervals for two rates overlap, then the difference in these rates is not considered statistically significant.

Rates of Fatal Rear Collisions with MHE Fire

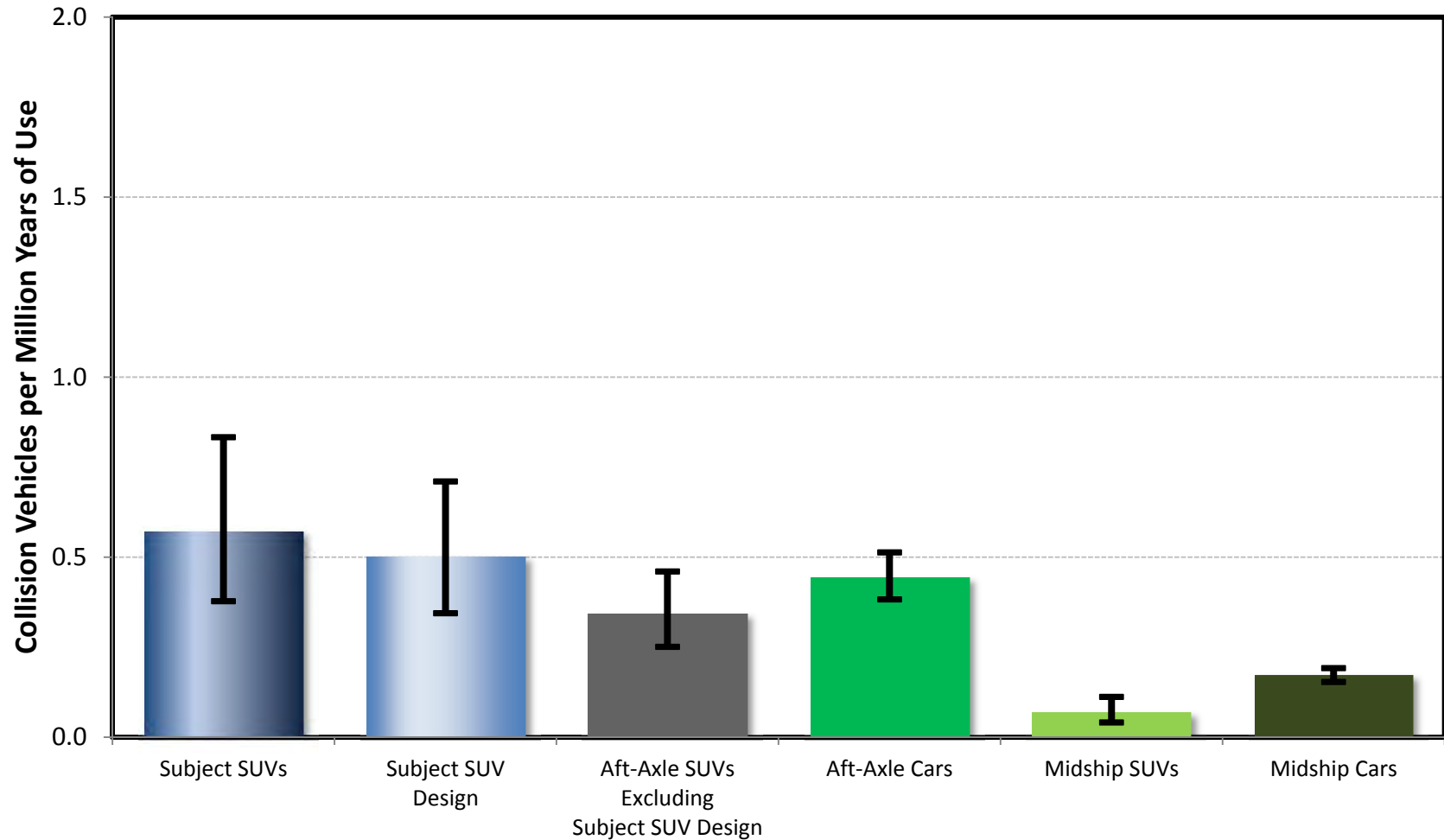
Vehicles involved in a rear collision with occupant fatality and fire as most harmful event, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes vehicles involved in a rear collision with an occupant fatality where the vehicle experienced a post-collision fire as the most harmful event. Rear collision includes either initial or principal impact at clock points 5, 6, or 7. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Rates of Fatal Rear Collisions with MHE Fire

Vehicles involved in a rear collision with occupant fatality and fire as most harmful event, per million years of use



Notes: Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Includes vehicles involved in a rear collision with an occupant fatality where the vehicle experienced a post-collision fire as the most harmful event. Rear collision includes either initial or principal impact at clock points 5, 6, or 7. Rates are calculated as combined collision vehicles divided by combined million years of use. Vertical black lines are 95% confidence intervals.

Conclusions

Rates of Rear Collisions with Occupant Fatality and MHE Fire

- Collectively, the Subject SUVs and Subject SUV Design vehicles have rates of rear collision with occupant fatality accompanied by fire as the most harmful event that are not statistically significantly* different from the average rates for SUVs with aft-axle tanks or passenger cars with aft-axle tanks.

* Statistical significance between rates is calculated by comparing the 95% confidence intervals about those rates. If the 95% confidence intervals for two rates overlap, then the difference in these rates is not considered statistically significant.

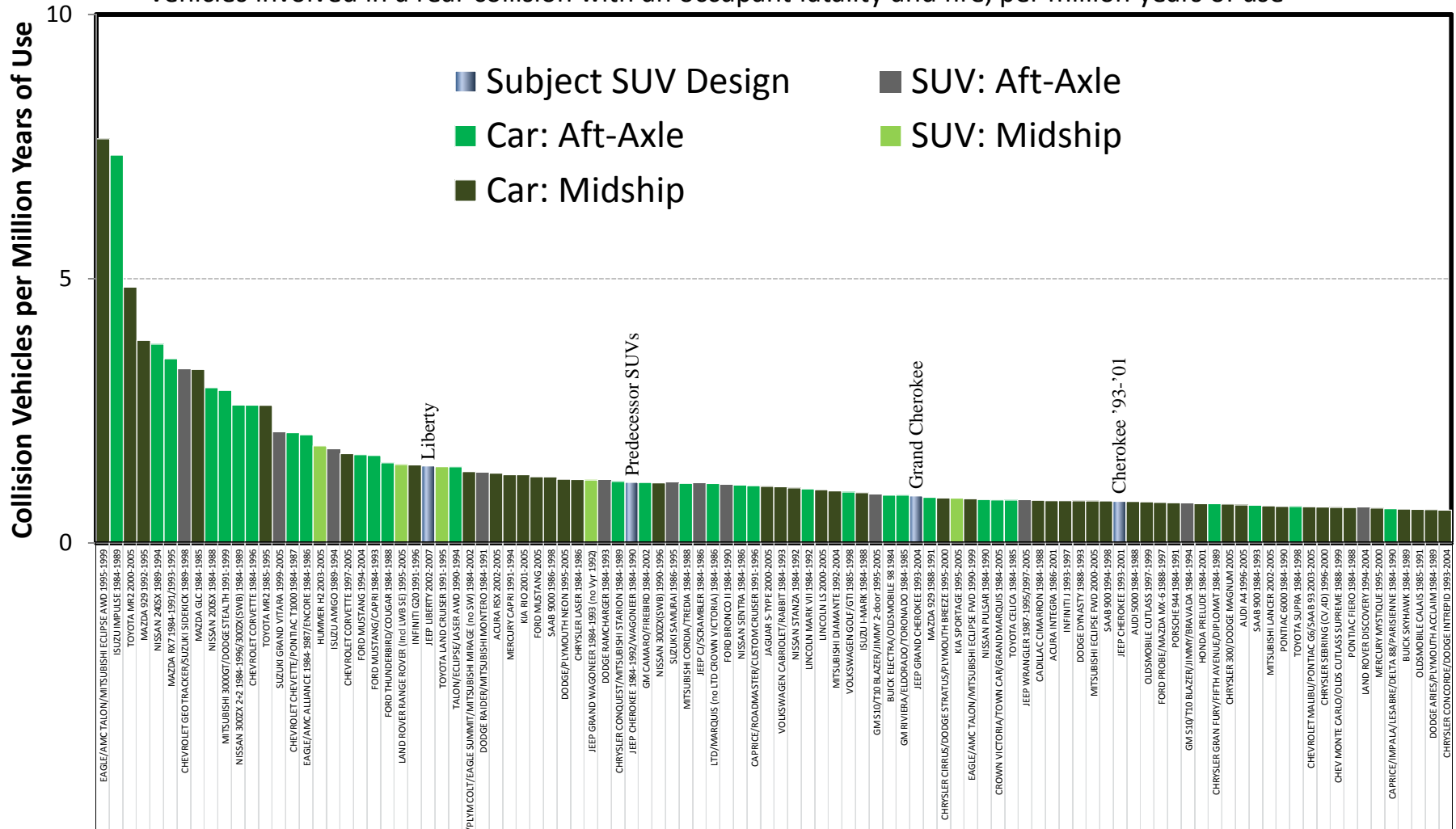
Fatal Rear Collisions with Fire

Rank Ordered by Model

- 100 Vehicles having the highest rates of fatal rear collisions accompanied by fire
 - Independent of tank location or vehicle type
 - With confidence intervals
- SUVs and Passenger Cars with aft-axle tanks
 - With counts of crashes
 - With confidence intervals
- SUVs with aft-axle or midship tanks
 - With counts of crashes
 - With confidence intervals
- SUVs with aft-axle tanks
 - With counts of crashes
 - With confidence intervals

100 Vehicles Having the Highest Rates of Rear Fatal Collisions With Fire

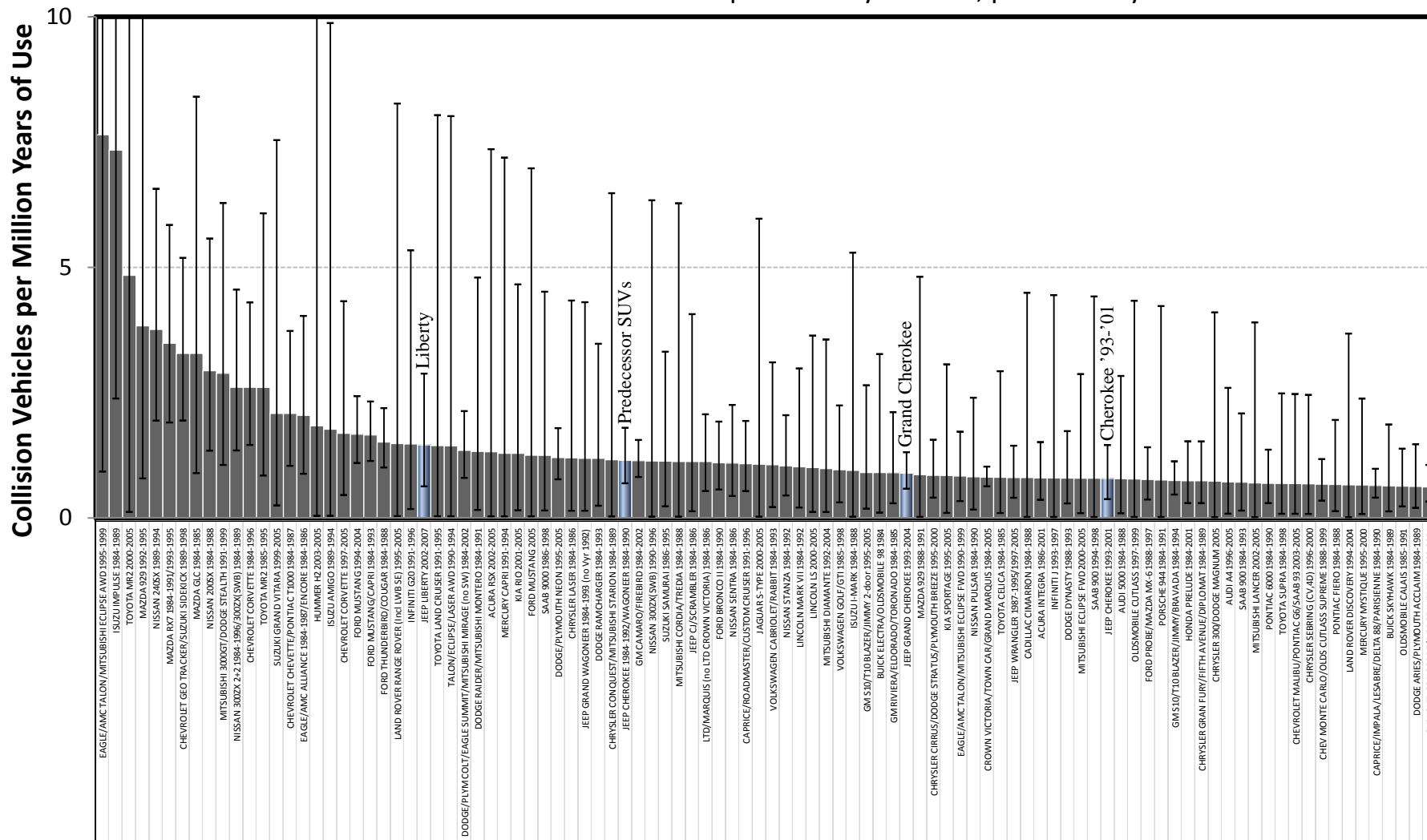
Vehicles involved in a rear collision with an occupant fatality and fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Rear collision includes either initial or principal impact to clock points 5, 6, or 7. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire.

100 Vehicles Having the Highest Rates of Rear Fatal Collisions With Fire

Vehicles involved in a rear collision with an occupant fatality and fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data 1984-2005. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire. Vertical lines are 95% confidence intervals about the rates.

Conclusions

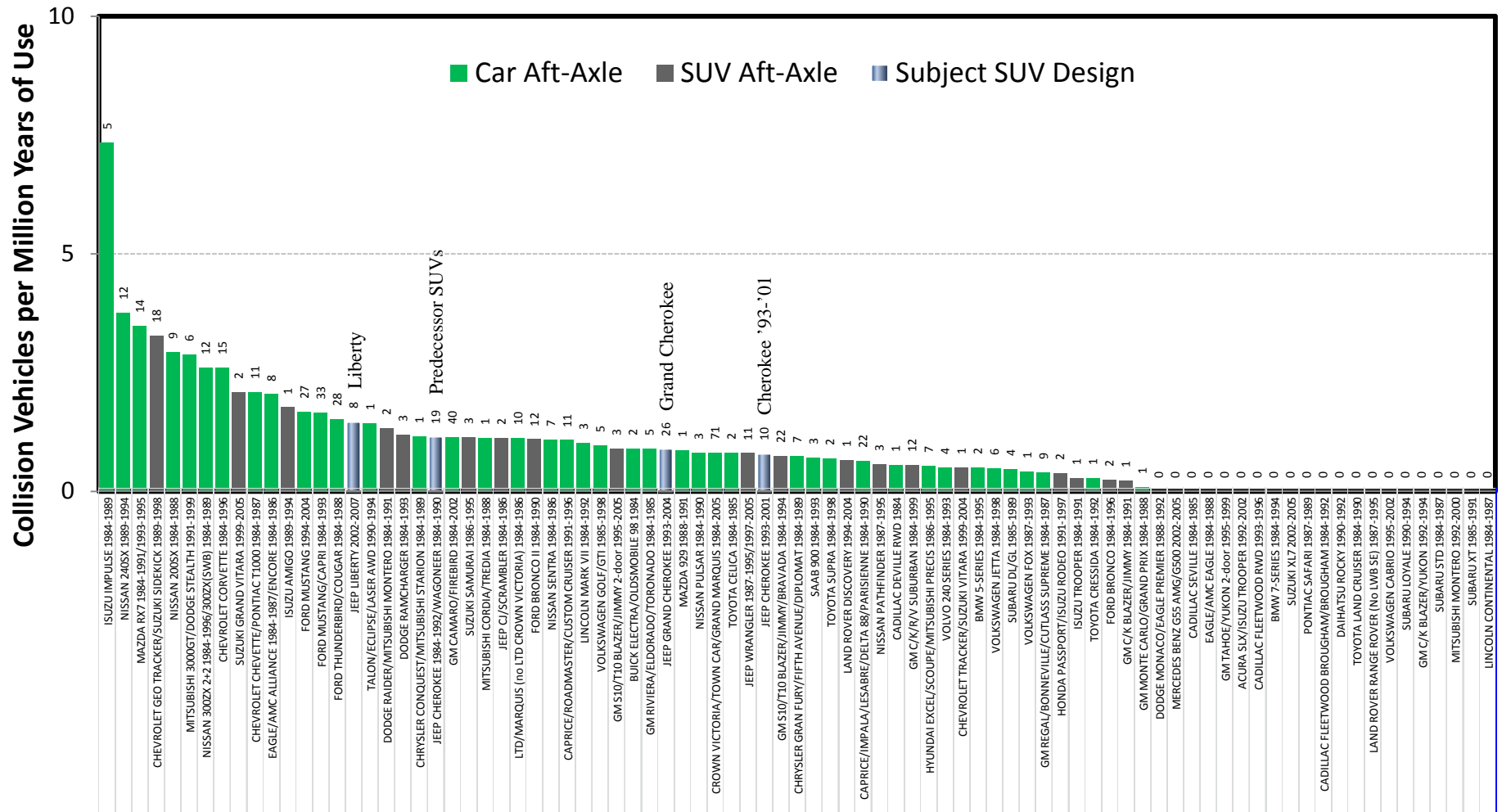
Comparison of Rates of Rear Collisions with Occupant Fatality and Fire by Model, Vehicle Type and Tank Location

- The 100 vehicle models having the highest rates of rear collisions with occupant fatality accompanied by fire include SUVs and passenger cars with aft-axle tanks, as well as SUVs and passenger cars with midship tanks. Many such models have rates that are higher than the Subject SUVs or Predecessor SUVs.
- The Subject SUVs and Predecessor SUVs have rates of rear collisions with occupant fatality accompanied by fire that are not statistically significantly* different from most or all of the other 96 models in the list of 100 vehicle models having the highest rates.

* Statistical significance between rates is calculated by comparing the 95% confidence intervals about those rates. If the 95% confidence intervals for two rates overlap, then the difference in these rates is not considered statistically significant.

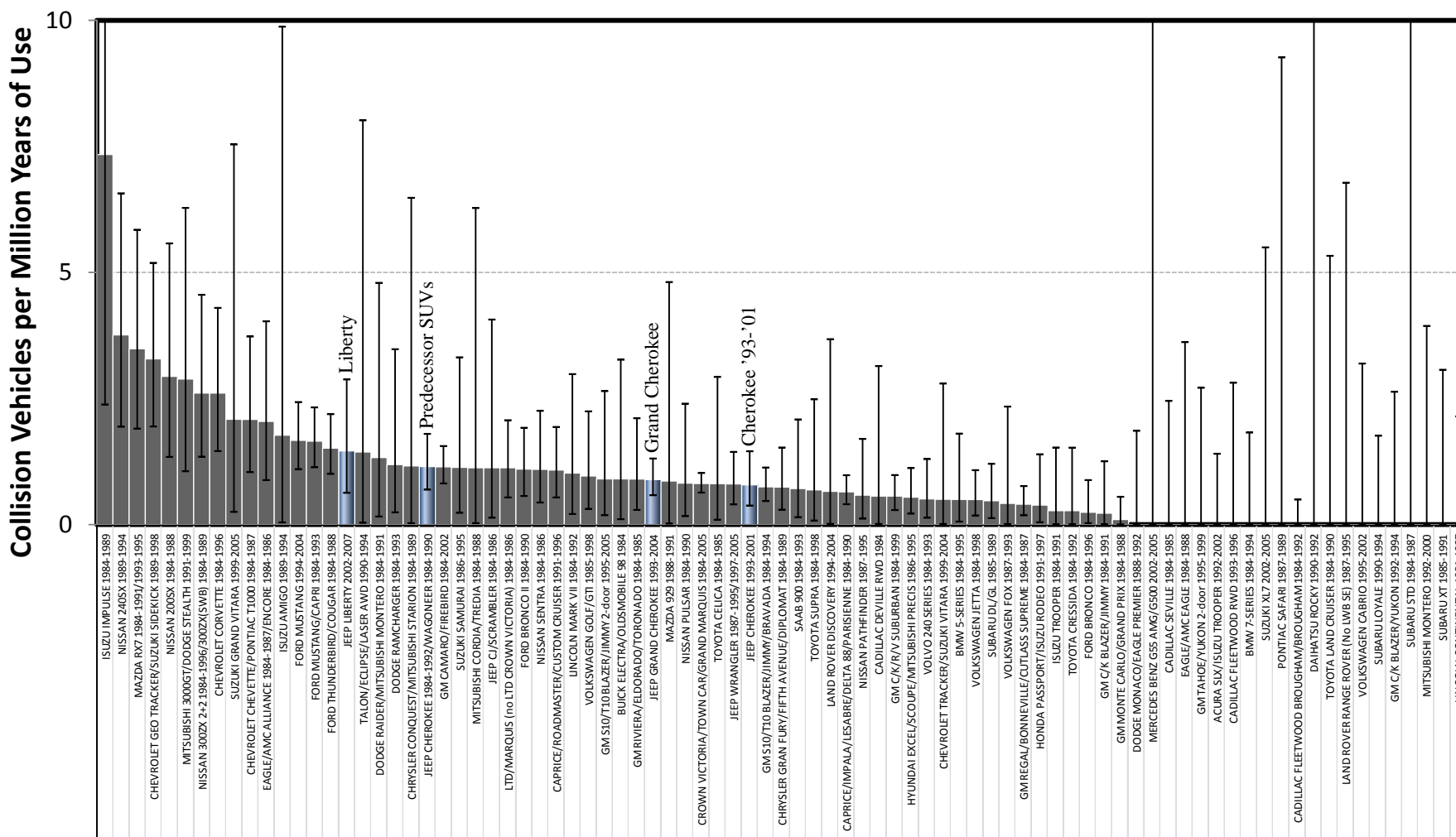
Vehicles with Aft-Axle Tanks: Rates of Rear Fatal Collisions With Fire

Vehicles involved in a rear collision with an occupant fatality and fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Rear collision includes a principal impact to clock points 5, 6, or 7. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire. Numbers above bars are counts of fatal rear fires.

Vehicles with Aft-Axle Tanks: Rates of Rear Fatal Collisions With Fire Vehicles involved in a rear collision with an occupant fatality and fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RI, PA, NY, OR, WA, HI, and CA 12-2005. Chrysler 1984-2005. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire. Vertical lines are 95% confidence intervals about the rates.

Conclusions

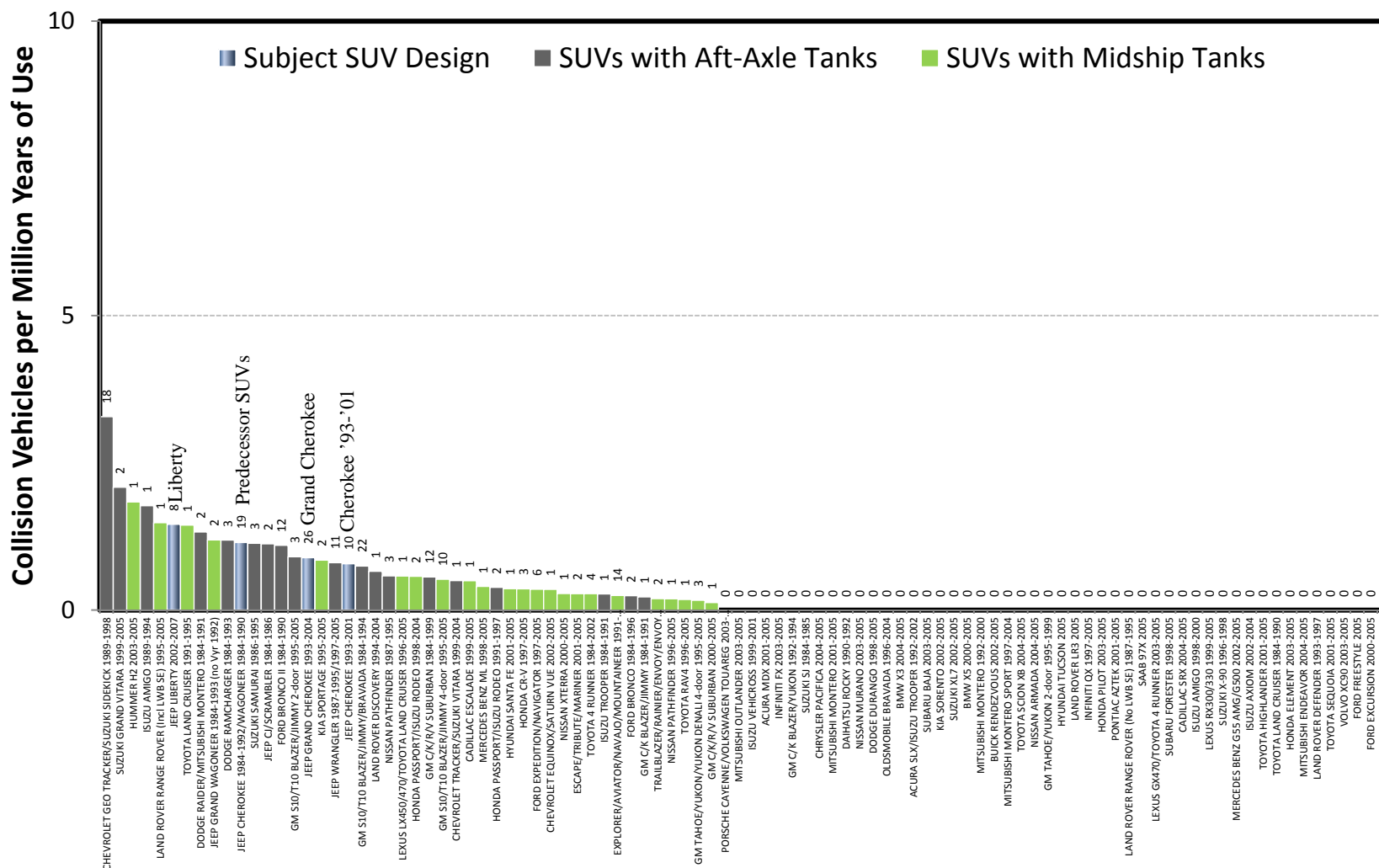
Comparison of Rates of Rear Collisions with Occupant Fatality and Fire by Model and Vehicle Type: Vehicles with Aft-Axle Tanks

- The Subject SUVs and Predecessor SUVs do not have the highest rates of rear collisions with occupant fatality accompanied by fire when compared with other SUVs or Passenger Cars with aft-axle tanks.
- The Subject SUVs and Predecessor SUVs have rates of rear collisions with occupant fatality accompanied by fire that are not statistically significantly* different from most or all of the SUVs or Passenger Cars with aft-axle tanks.

* Statistical significance between rates is calculated by comparing the 95% confidence intervals about those rates. If the 95% confidence intervals for two rates overlap, then the difference in these rates is not considered statistically significant.

All SUVs : Rates of Rear Fatal Collisions With Fire

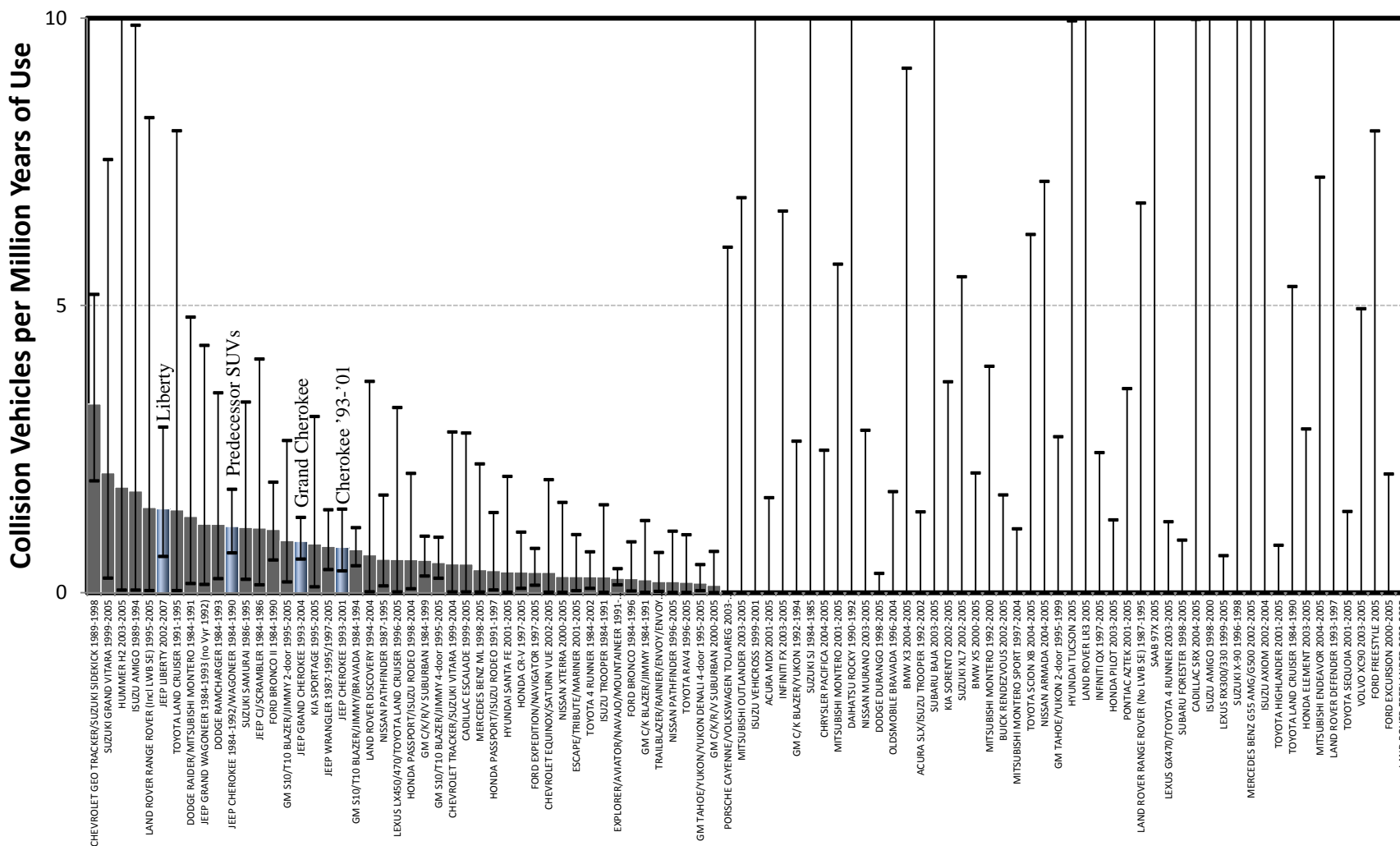
Vehicles involved in a rear collision with an occupant fatality and fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Rear collision includes principal impact to clock points 5, 6, or 7. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire. Numbers above bars are counts of fatal rear fires.

All SUVs : Rates of Rear Fatal Collisions With Fire

Vehicles involved in a rear collision with an occupant fatality and fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from PL Park, Regs 1984-2005. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire. Vertical lines are 95% confidence intervals about the rates.

Conclusions

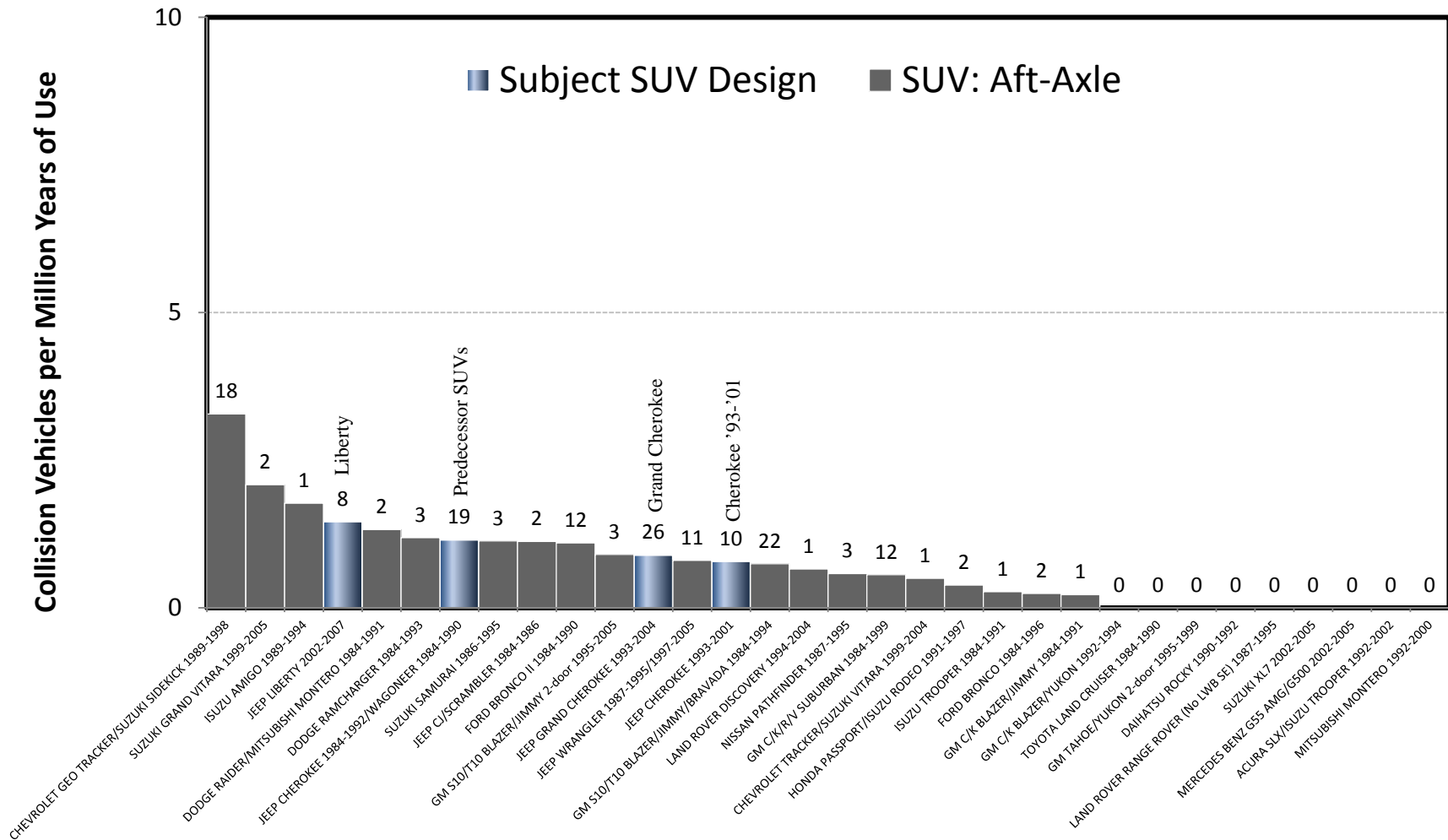
Comparison of Rates of Rear Collisions with Occupant Fatality and Fire by Model: SUVs Only

- The Subject SUVs and Predecessor SUVs do not have the highest rates of rear collisions with occupant fatality accompanied by fire when compared with other SUVs.
- The Subject SUVs and Predecessor SUVs have rates of rear collisions with occupant fatality accompanied by fire that are not statistically significantly* different from most or all of the other SUVs.

* Statistical significance between rates is calculated by comparing the 95% confidence intervals about those rates. If the 95% confidence intervals for two rates overlap, then the difference in these rates is not considered statistically significant.

SUVs with Aft-Axle Tanks: Rates of Rear Fatal Collisions With Fire

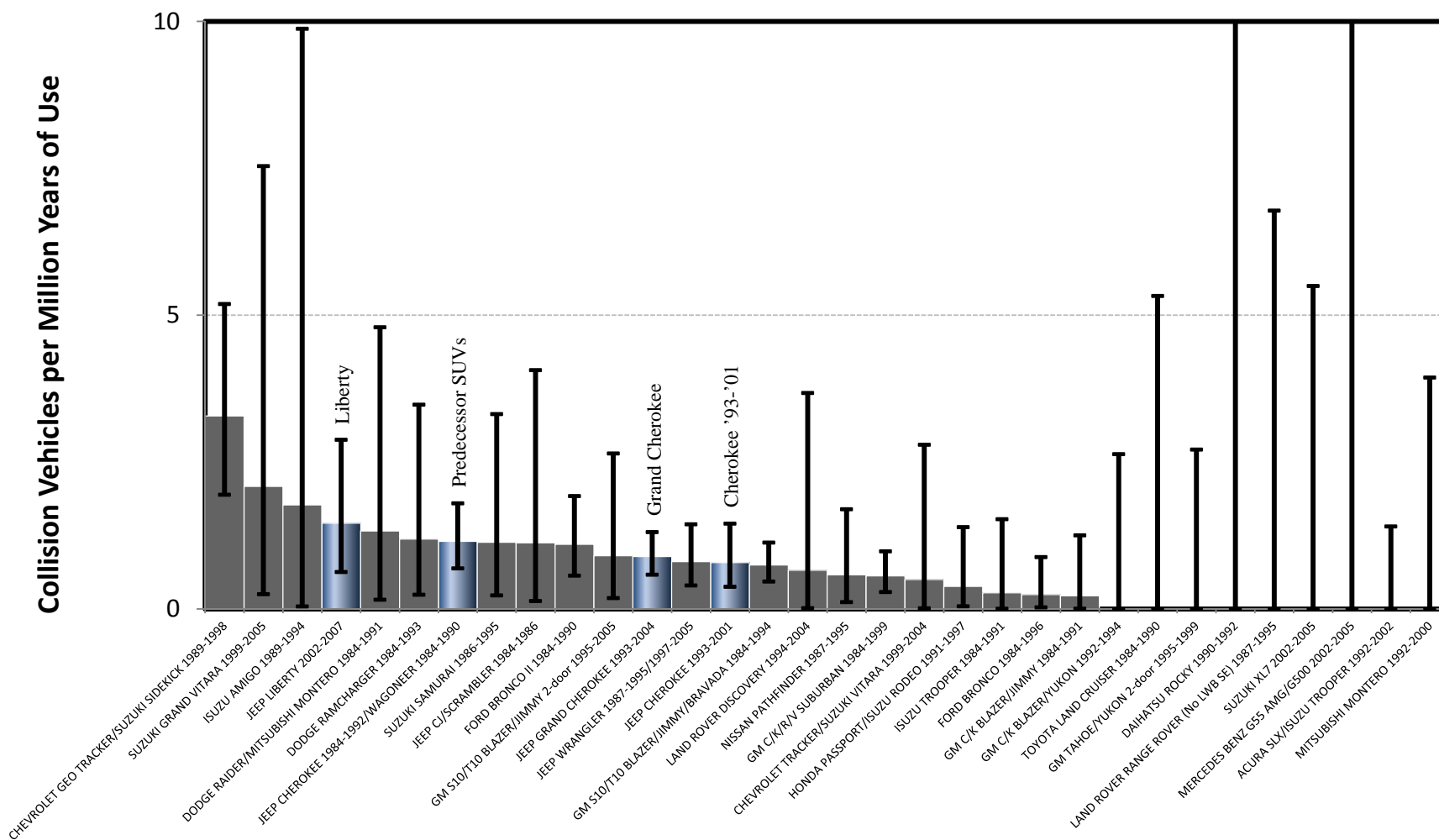
Vehicles involved in a rear collision with an occupant fatality and fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Subject SUV Design vehicles include the Subject SUVs as well as predecessor SUVs sharing the same fuel tank configuration. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from RL Polk. Rear collision includes either principal impact to clock points 5, 6, or 7. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire. Numbers above bars are counts of fatal rear fires.

SUVs with Aft-Axle Tanks: Rates of Rear Fatal Collisions With Fire

Vehicles involved in a rear collision with an occupant fatality and fire, per million years of use



Notes: Each bar represents a different model of vehicle. Subject SUVs are: Grand Cherokee 1993-2004, Cherokee 1993-2001, and Liberty 2002-2007. Predecessor SUVs are: Jeep Cherokee 1984-1992 and Wagoneer 1984-1990. Other vehicles are model years 1984-2005. FARS data 1984-2010. Registration data from 2005. Only rear collision includes either initial or principal impact to clock points 5, 6, or 7. Includes vehicles with an occupant fatality where the vehicle experienced a post-collision fire. Vertical lines are 95% confidence intervals about the rates.

Conclusions

Comparisons of Rates of Rear Collisions with Occupant Fatality and Fire by Model SUVs with Aft-Axle Tanks

- The Subject SUVs and Predecessor SUVs do not have the highest rates of rear collisions with occupant fatality accompanied by fire when compared with other SUVs with aft-axle tanks.
- The Subject SUVs and Predecessor SUVs have rates of rear collisions with occupant fatality accompanied by fire that are not statistically significantly* different from most or all of the other SUVs with aft-axle tanks.

* Statistical significance between rates is calculated by comparing the 95% confidence intervals about those rates. If the 95% confidence intervals for two rates overlap, then the difference in these rates is not considered statistically significant.

EA12-005

CHRYSLER

12-13-2012

Enclosure 6F

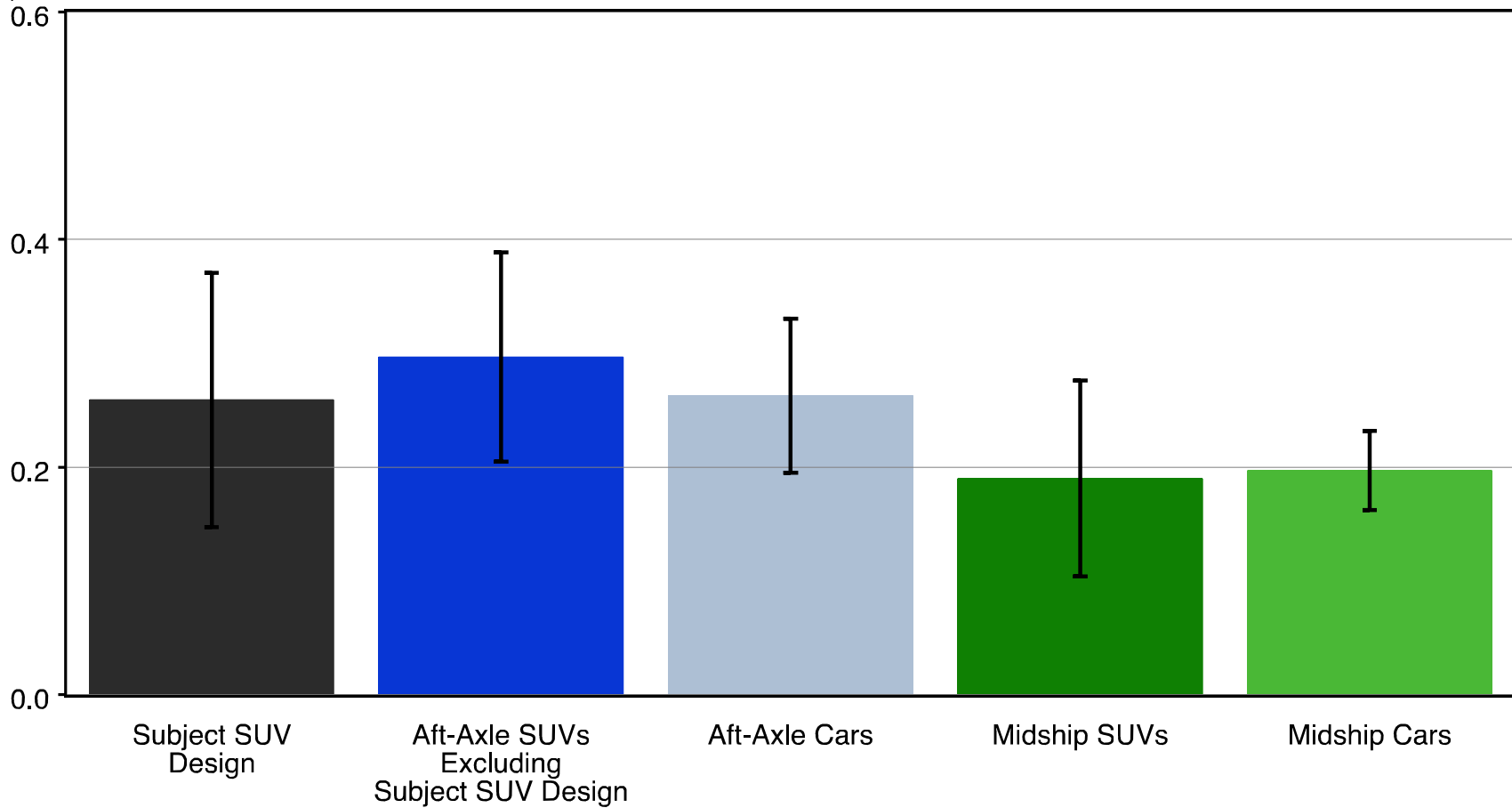
FARS and NAS Analyses

NASS Data Analysis Dec 2012

NASS GES

Rates of Post-Collision Fire Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fire
per 100 Towed Vehicles



-2010.

*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-199*

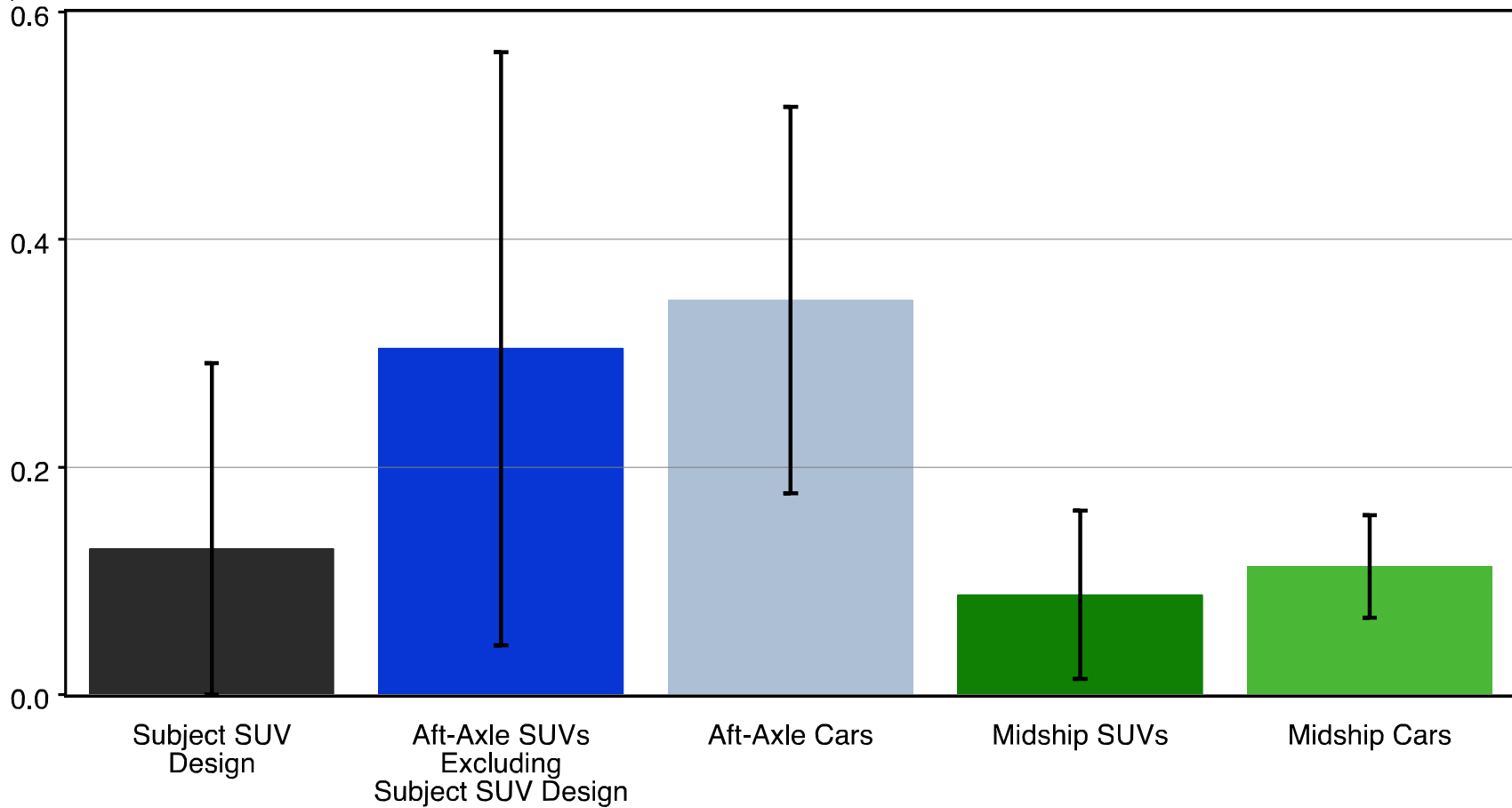
1984-1990 Jeep Wagoneer.

*Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN.*

Rates of Post-Collision Fire in Rear Impacts

Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fire
per 100 Towed Vehicles



-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

Predecessor SUVs are the model-year 1984-199

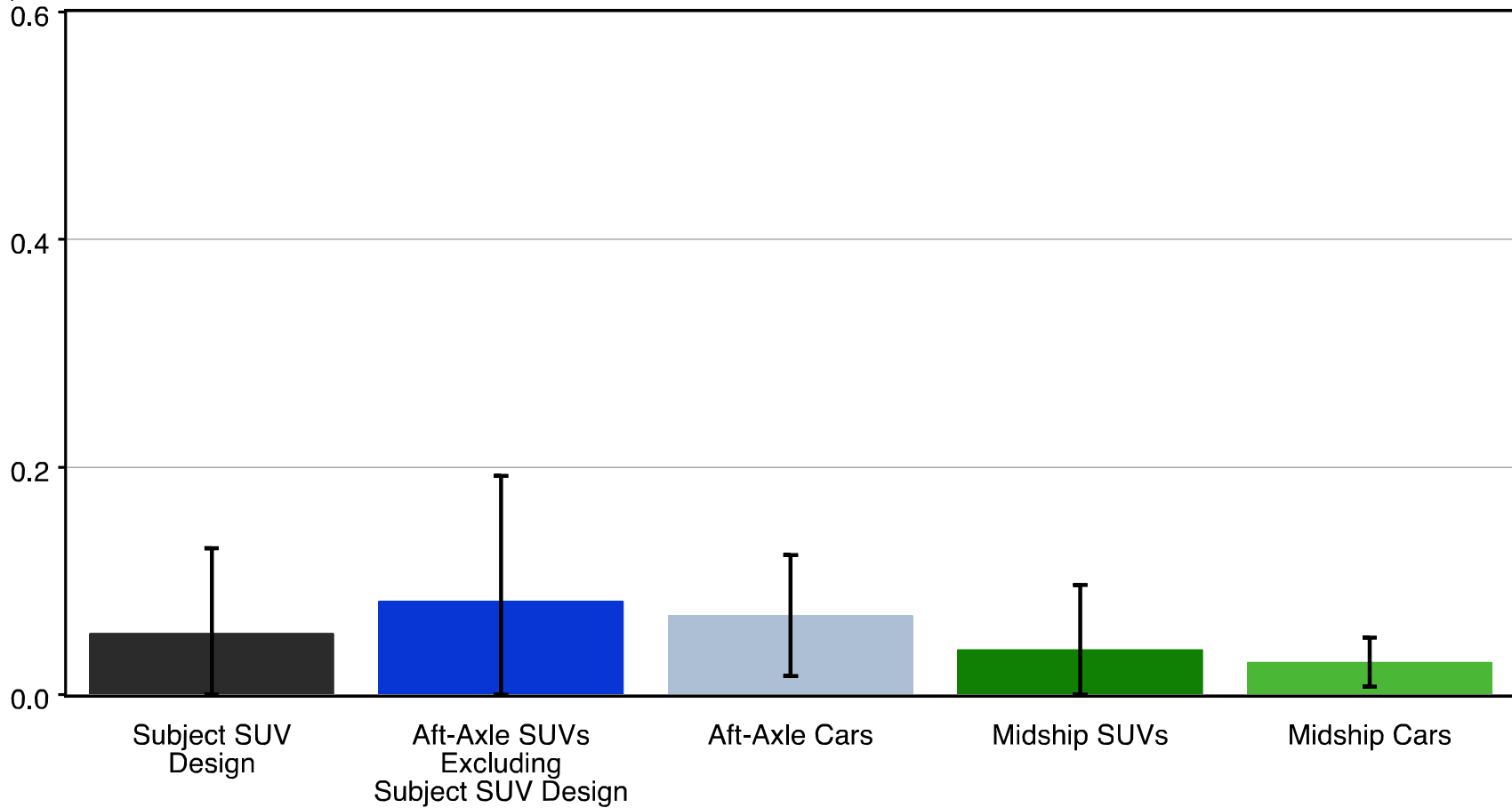
1984-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN.

Rates of Most Harmful Event Post-Collision Fire in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Vehicles with Most Harmful Event Post-Collision Fire
per 100 Towed Vehicles



Source: NASS GES 1990-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee.

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

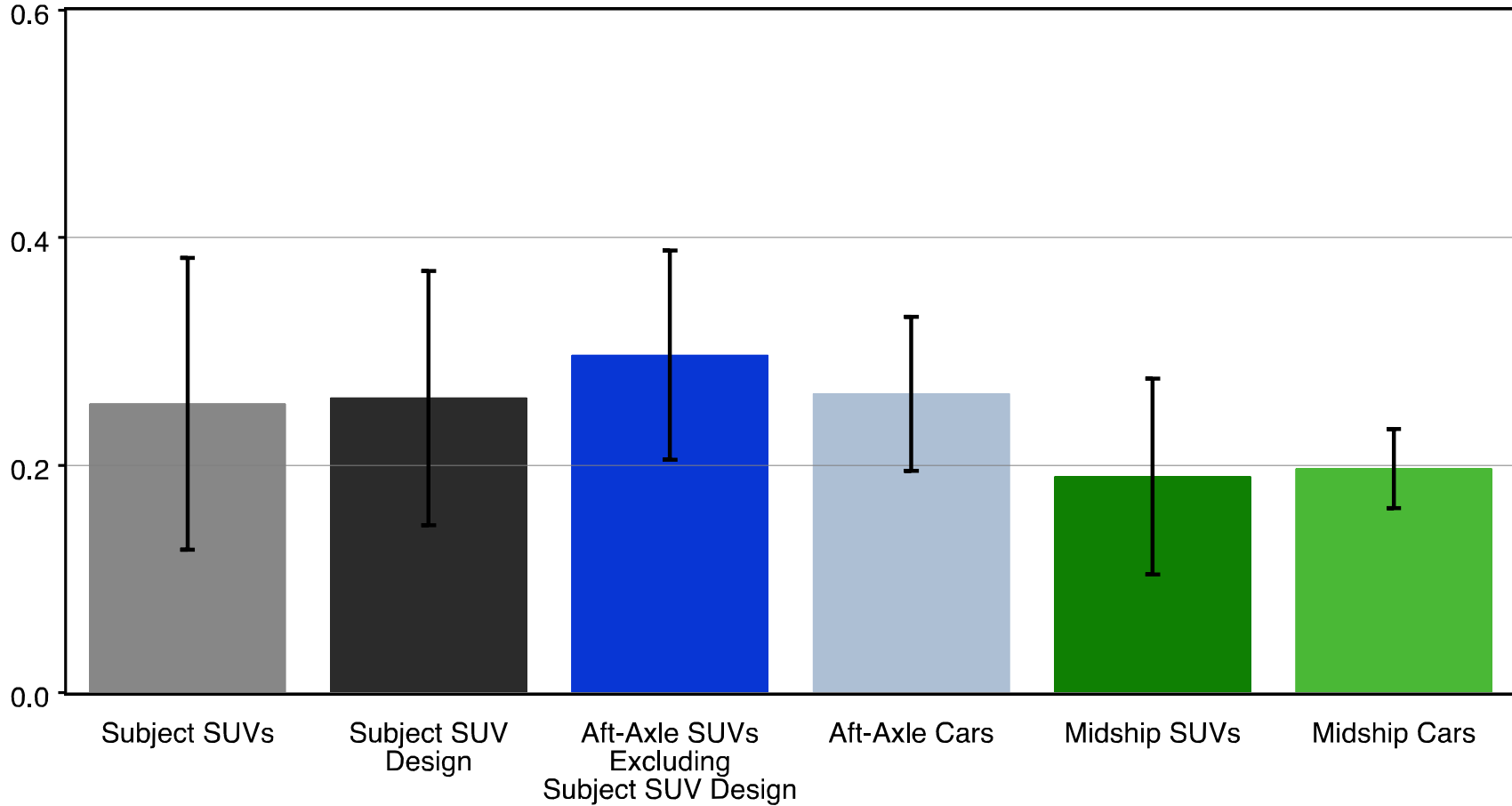
Predecessor SUVs are the model-year 1984-199 -1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN.

Rates of Post-Collision Fire Utility Vehicles and Cars Towed Due to Damage

ehicles with Post-Collision Fire
per 100 Towed Vehicles

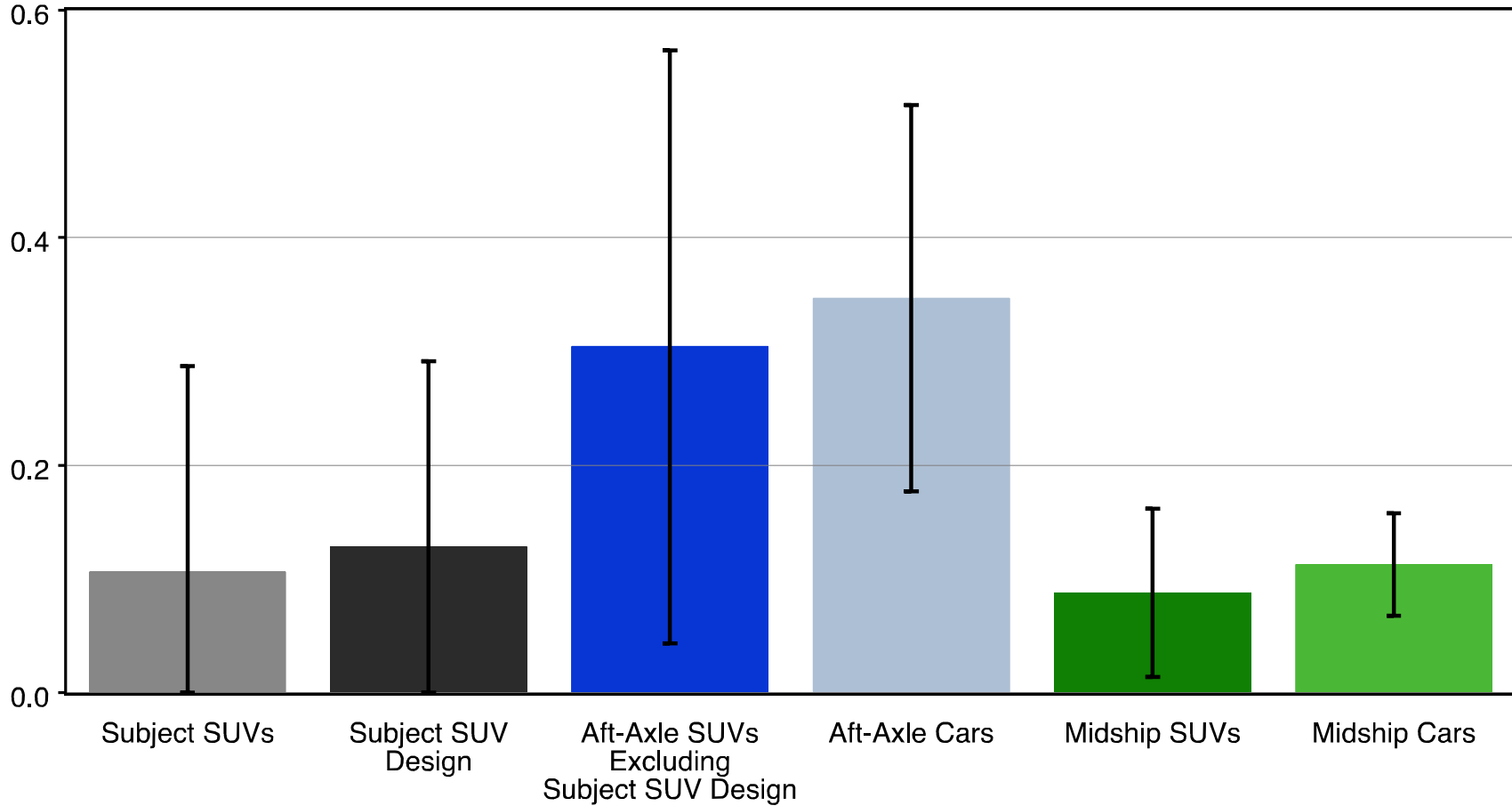


*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Grand Cherokee.
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN.*

Rates of Post-Collision Fire in Rear Impacts

Utility Vehicles and Cars Towed Due to Damage

ehicles with Post-Collision Fire
per 100 Towed Vehicles

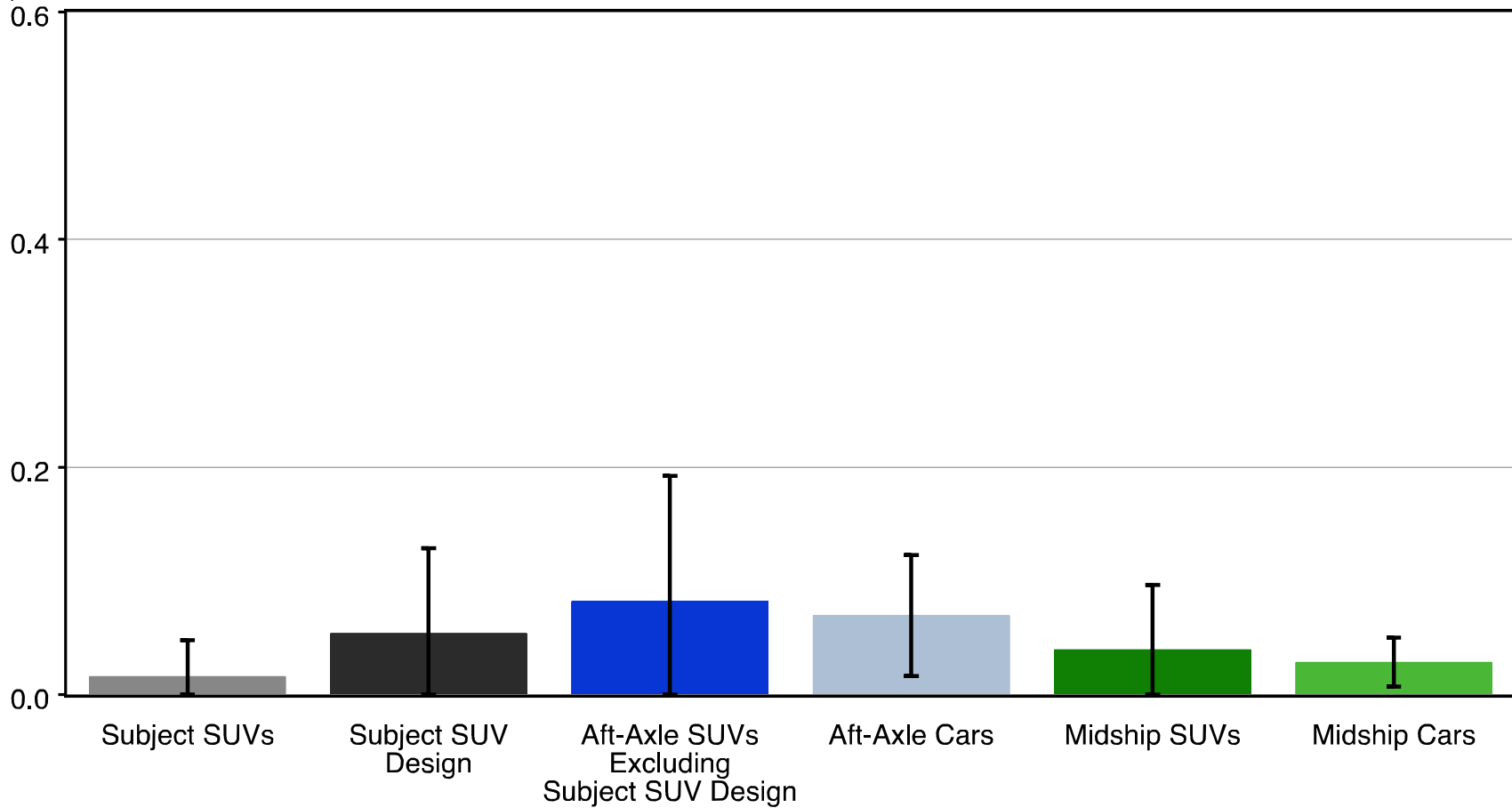


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1991 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN.

Rates of Most Harmful Event Post-Collision Fire in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Vehicles with Most Harmful Event Post-Collision Fire
per 100 Towed Vehicles



Source: NASS GES 1990-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

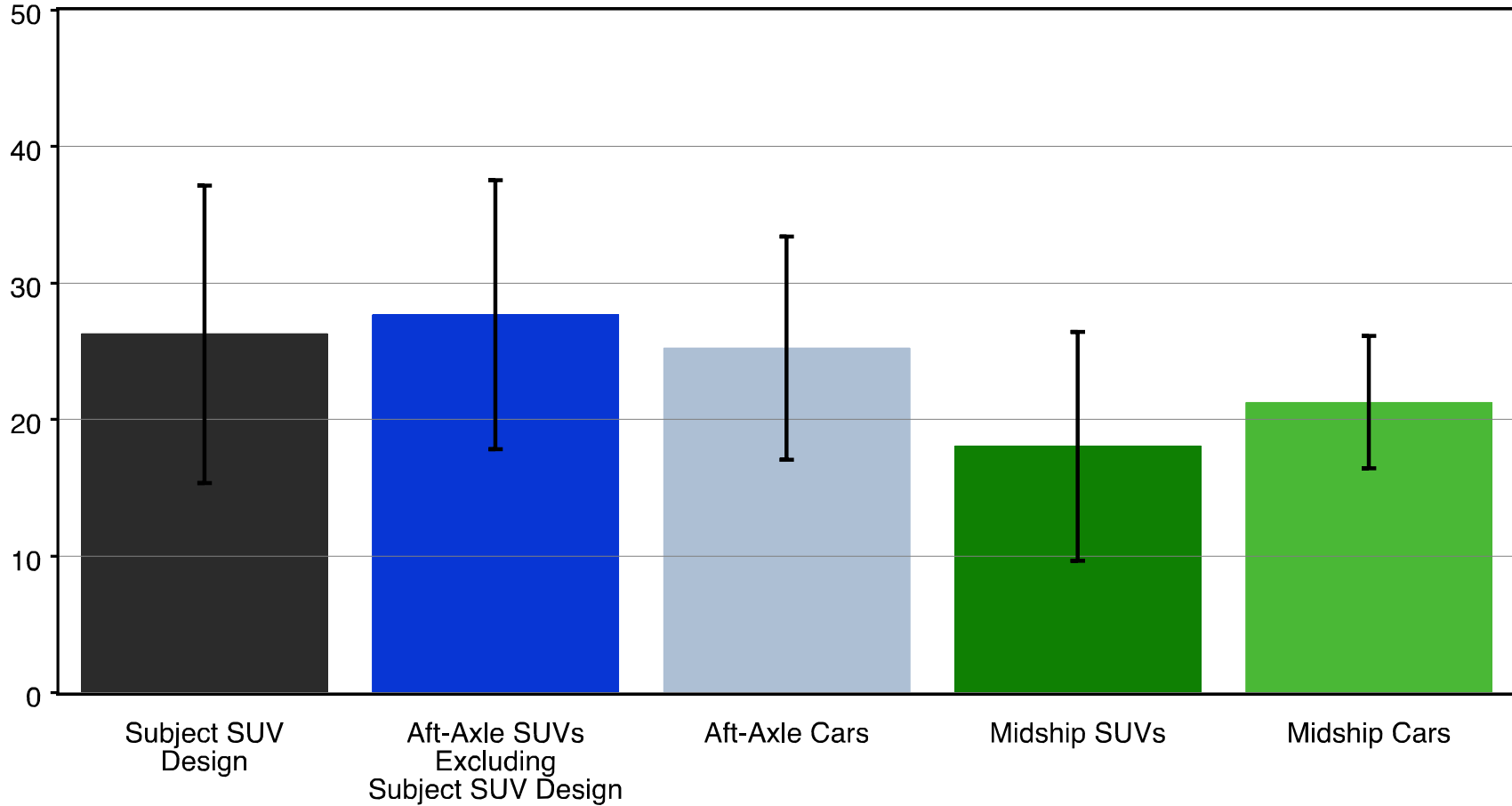
Predecessor SUVs are the model-year 1984-1992 Jeep Cherokee and 1984-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN.

Rates of Post-Collision Fire Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fire
per Million Registered Vehicle Years



Sources: NASS GES 1990-2010 and Polk NVPP 1990-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

Predecessor SUVs are the model-year 1984-199

1984-1990 Jeep Wagoneer.

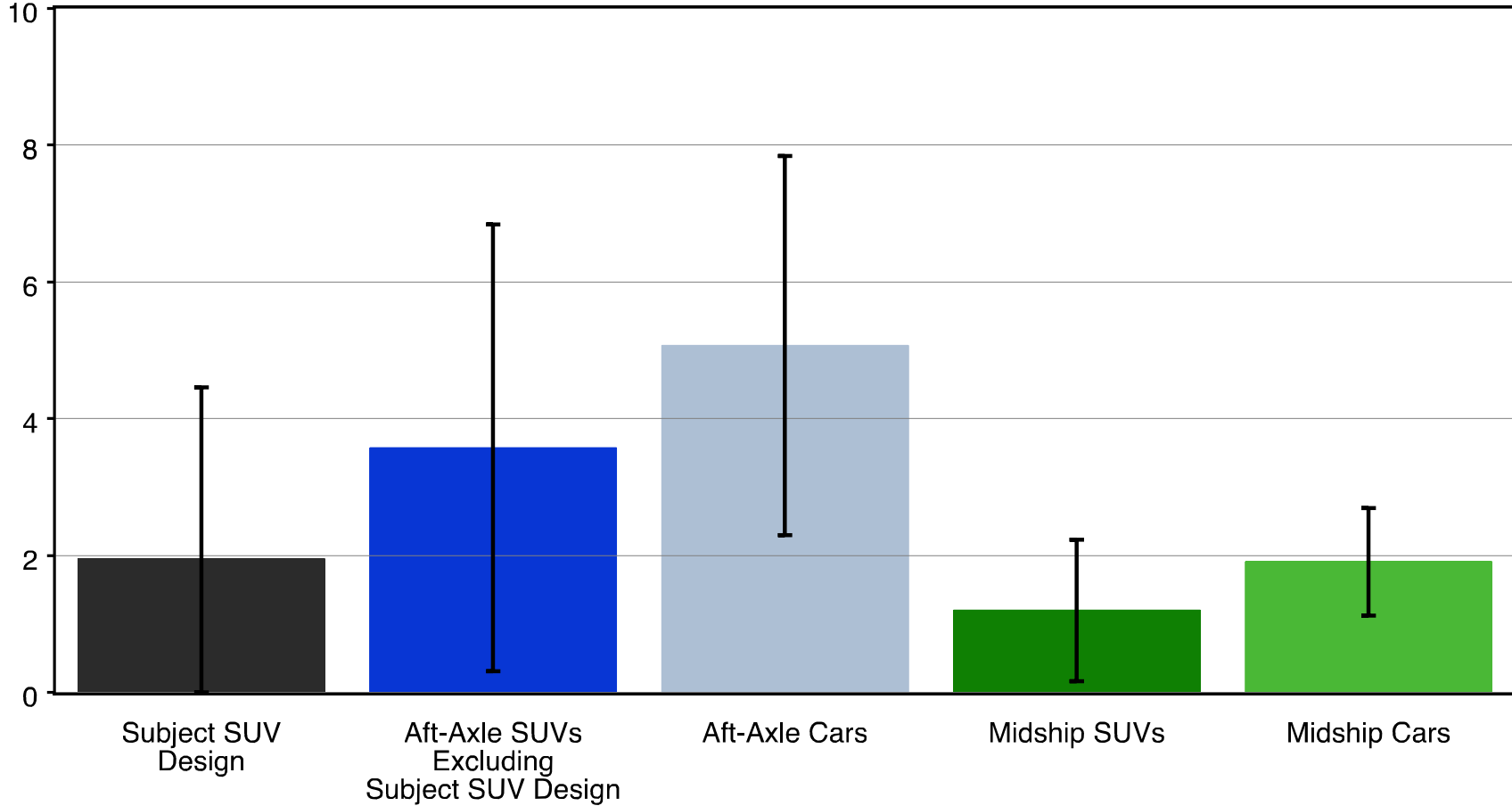
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN.

Rates of Post-Collision Fire in Rear Impacts

Utility Vehicles and Cars Towed Due to Damage

ehicles with Post-Collision Fire
per Million Registered Vehicle Years

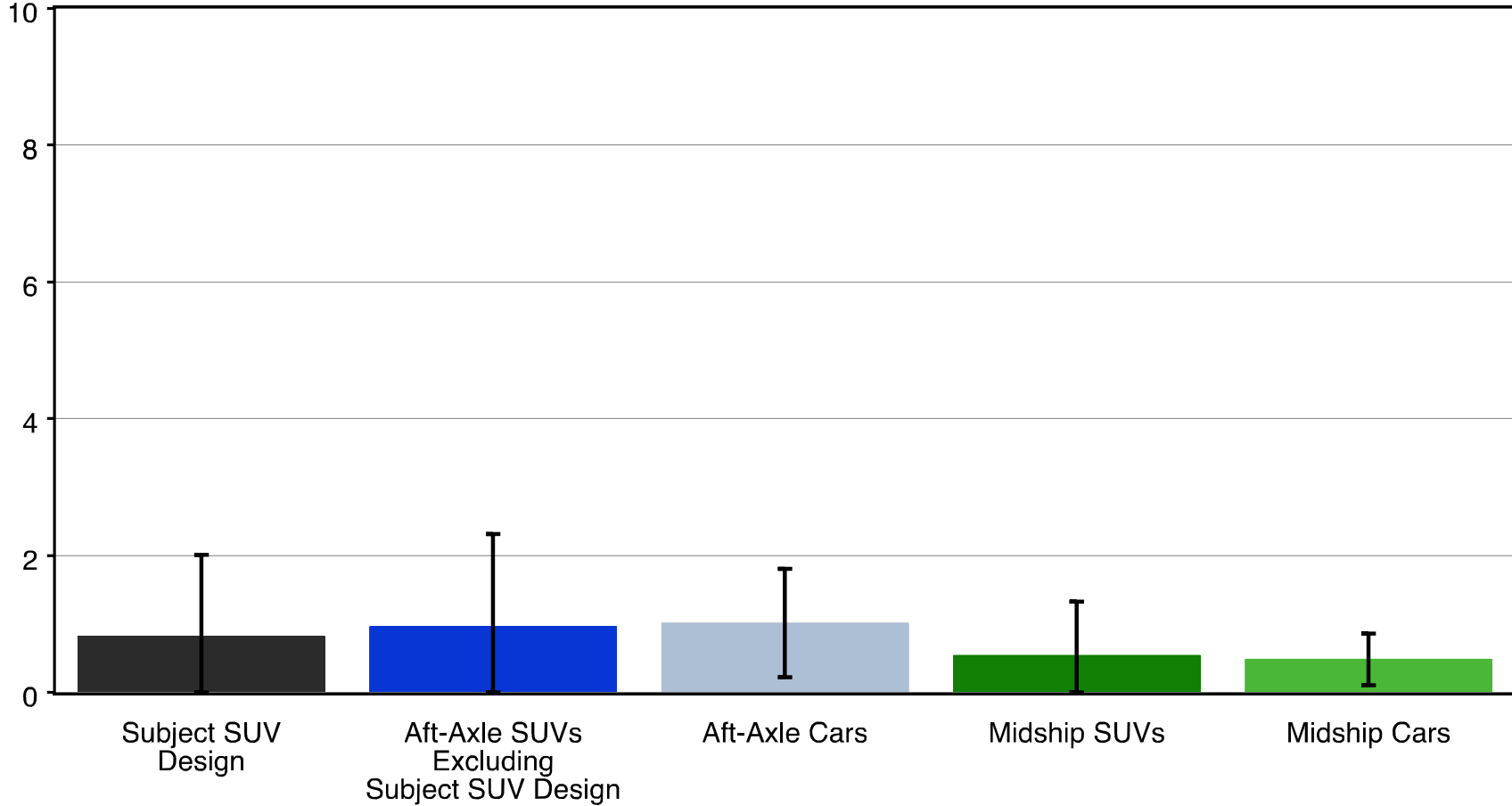


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Grand Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1993 Jeep Grand Cherokee and 1984-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN.

Rates of Most Harmful Event Post-Collision Fire in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Incidents with Most Harmful Event Post-Collision Fire
per Million Registered Vehicle Years

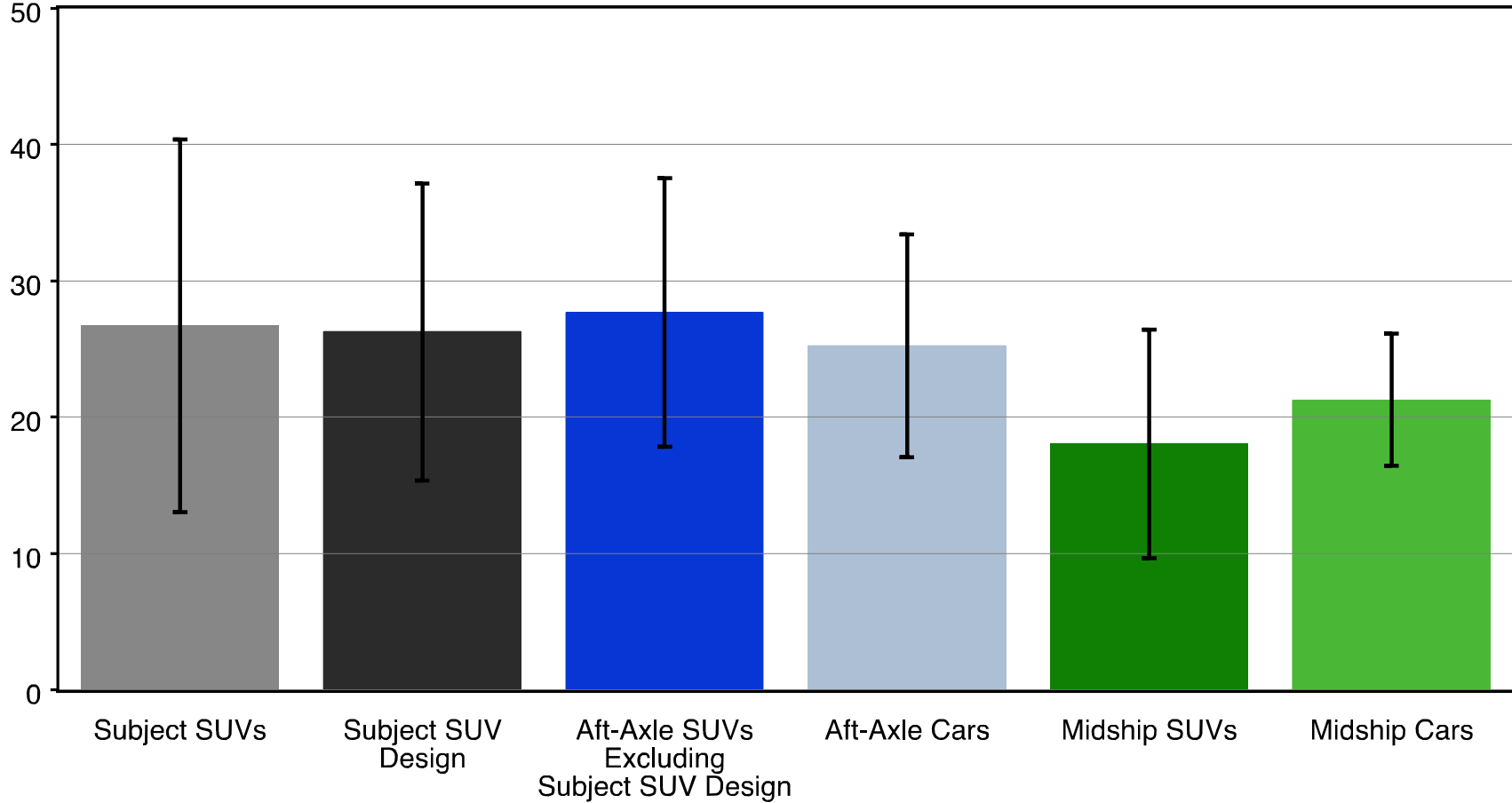


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1992 Jeep Cherokee and 1984-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN.

Rates of Post-Collision Fire Utility Vehicles and Cars Towed Due to Damage

ehicles with Post-Collision Fire
per Million Registered Vehicle Years



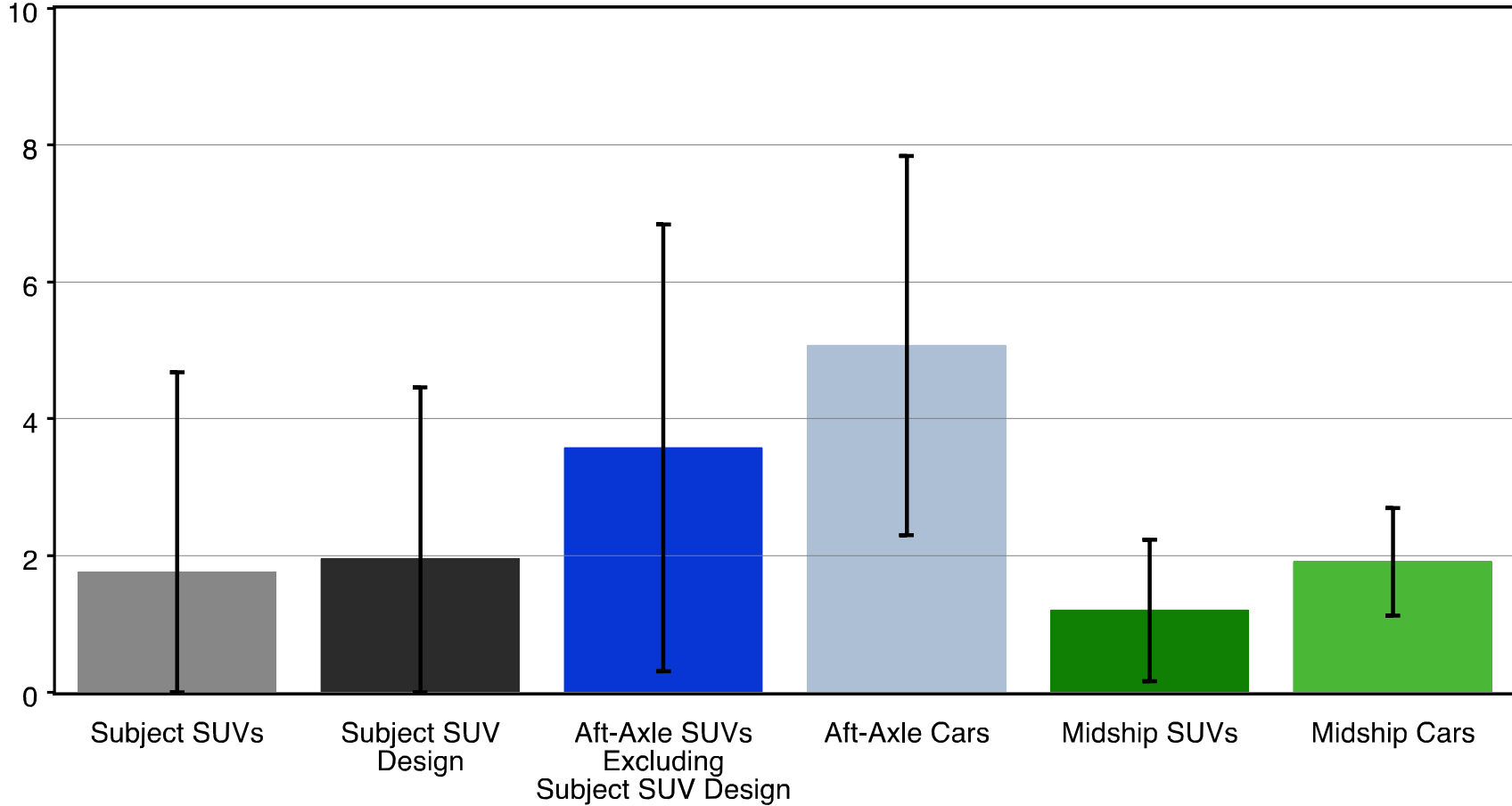
Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN.

Rates of Post-Collision Fire in Rear Impacts

Utility Vehicles and Cars Towed Due to Damage

Cases with Post-Collision Fire
per Million Registered Vehicle Years

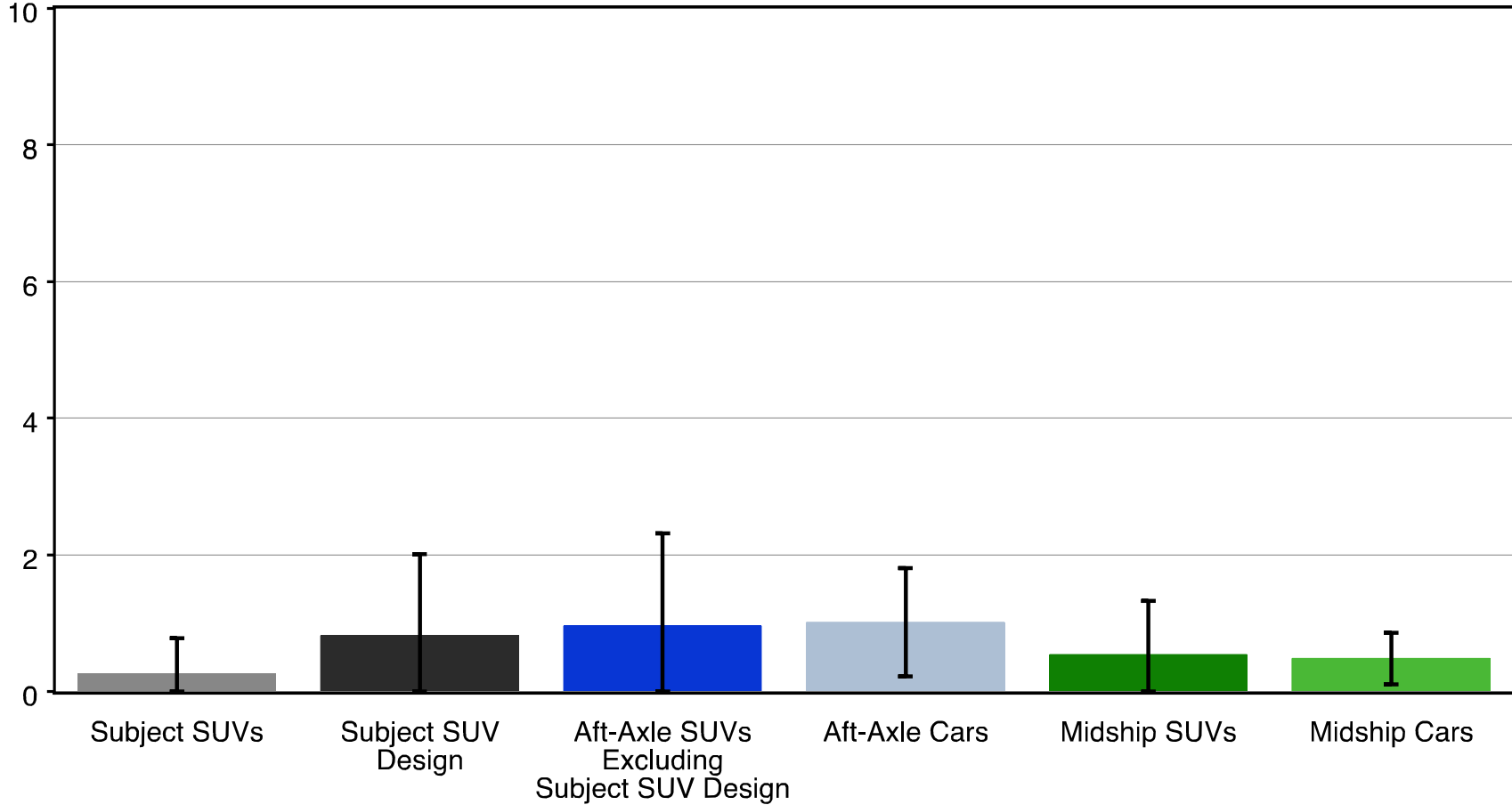


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Grand Cherokee.
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN.

Rates of Most Harmful Event Post-Collision Fire in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Incidents with Most Harmful Event Post-Collision Fire
per Million Registered Vehicle Years



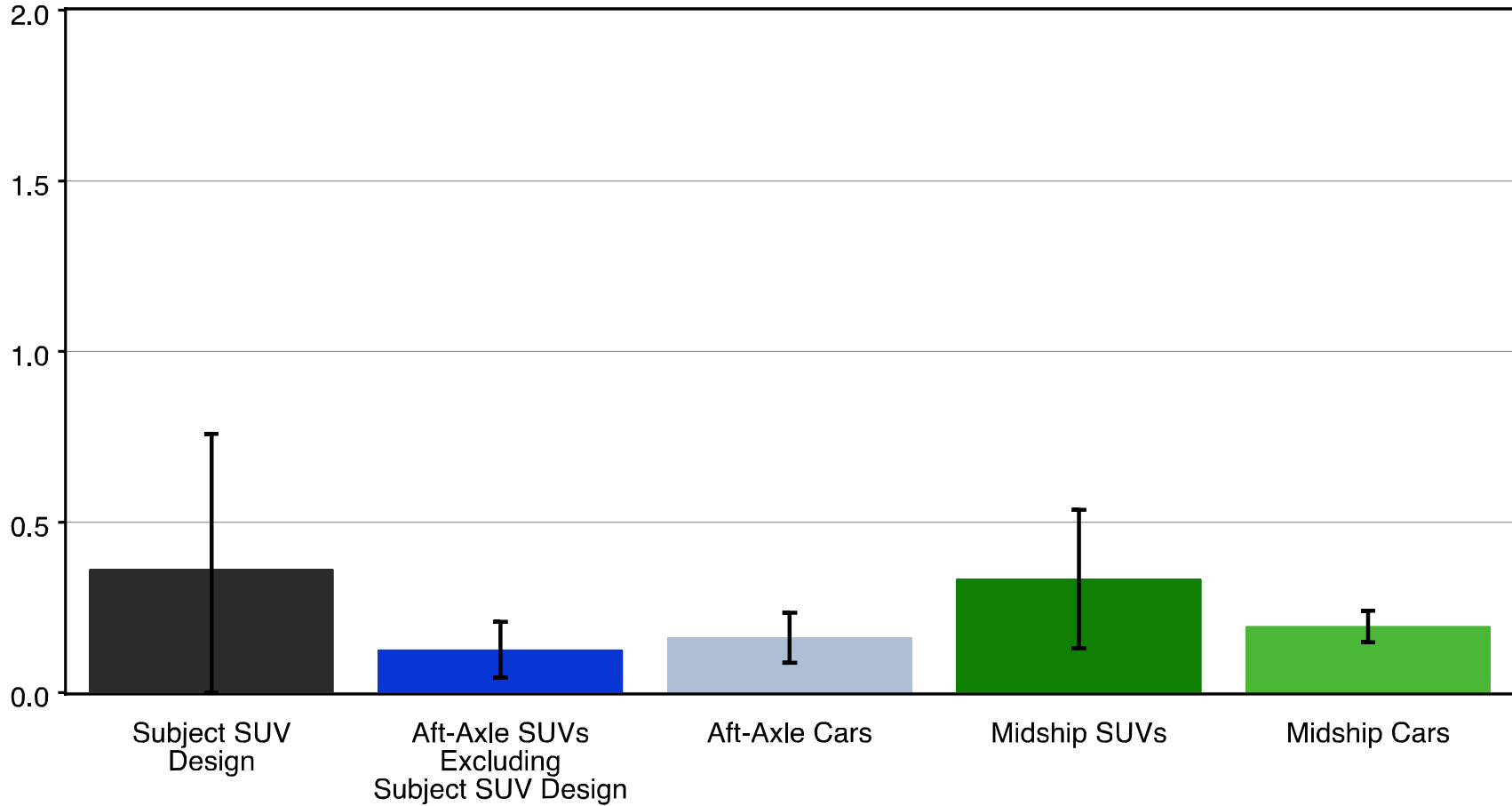
*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Grand Cherokee.
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.*

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN.

NASS CDS

Rates of Post-Collision Fire Utility Vehicles and Cars Towed Due to Damage

ehicles with Post-Collision Fire
per 100 Towed Vehicles



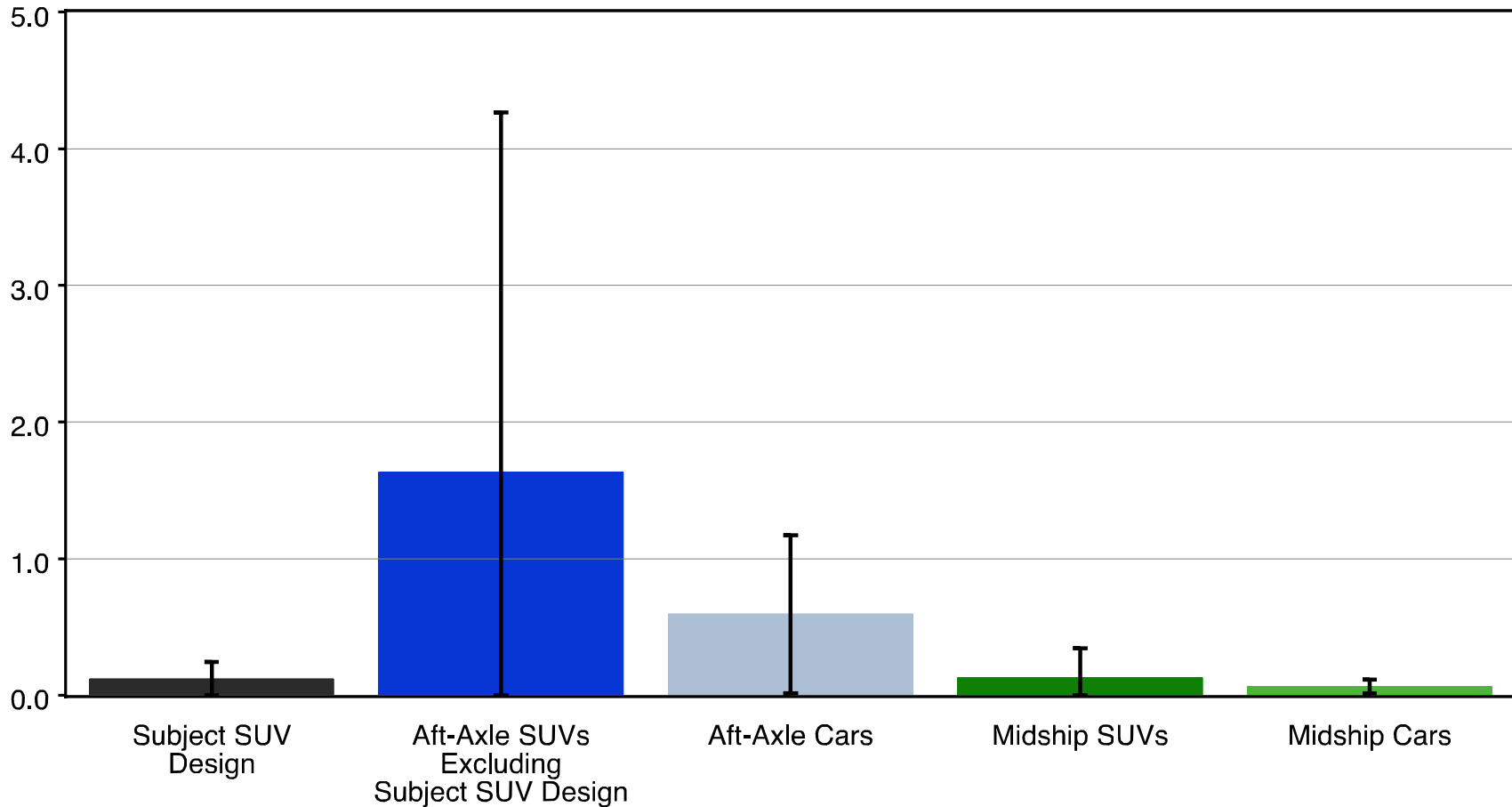
*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-199*

*1984-1990 Jeep Wagoneer.
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN.*

Rates of Post-Collision Fire in Rear Impacts

Utility Vehicles and Cars Towed Due to Damage

ehicles with Post-Collision Fire
per 100 Towed Vehicles

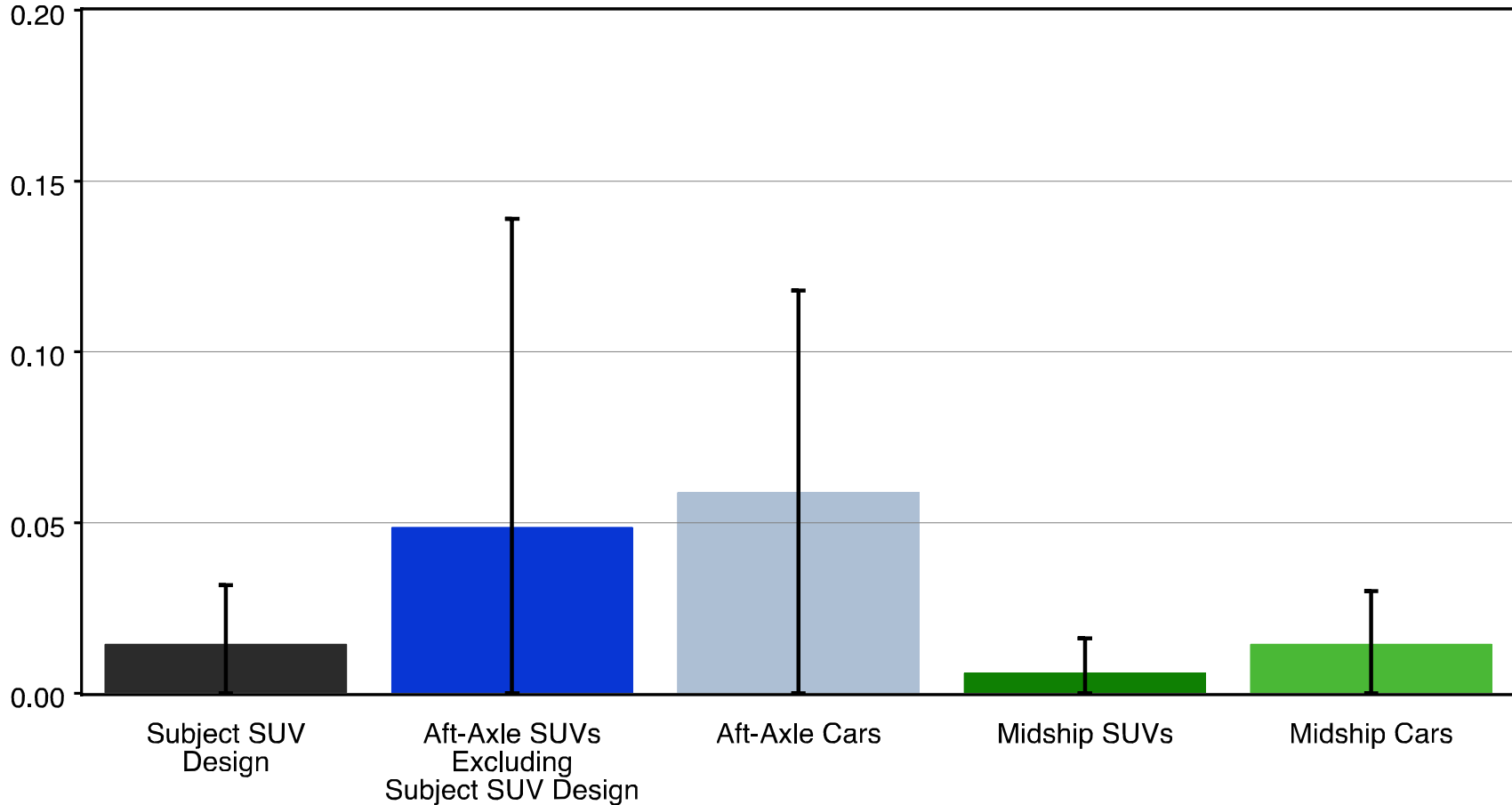


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1992 Jeep Cherokee and 1984-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

Rates of Post-Collision Fire with Origin in Fuel Tank Area Utility Vehicles and Cars Towed Due to Damage

Rates of Post-Collision Fire with Origin in Fuel Tank Area
per 100 Towed Vehicles

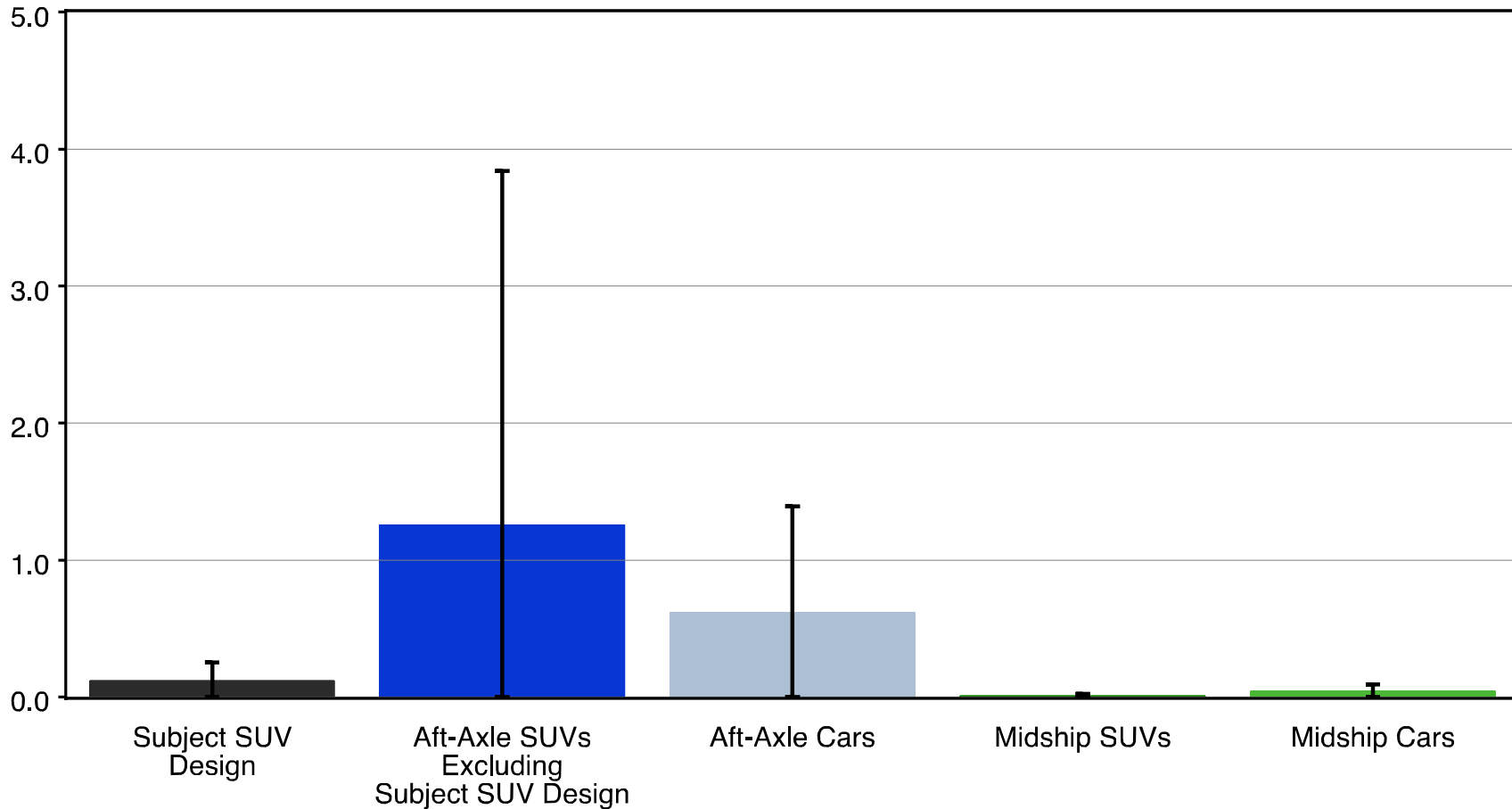


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Grand Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN.

Rates of Post-Collision Fire with Origin in Fuel Tank Area in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Cases with Post-Collision Fire with Origin in Fuel Tank Area
per 100 Towed Vehicles

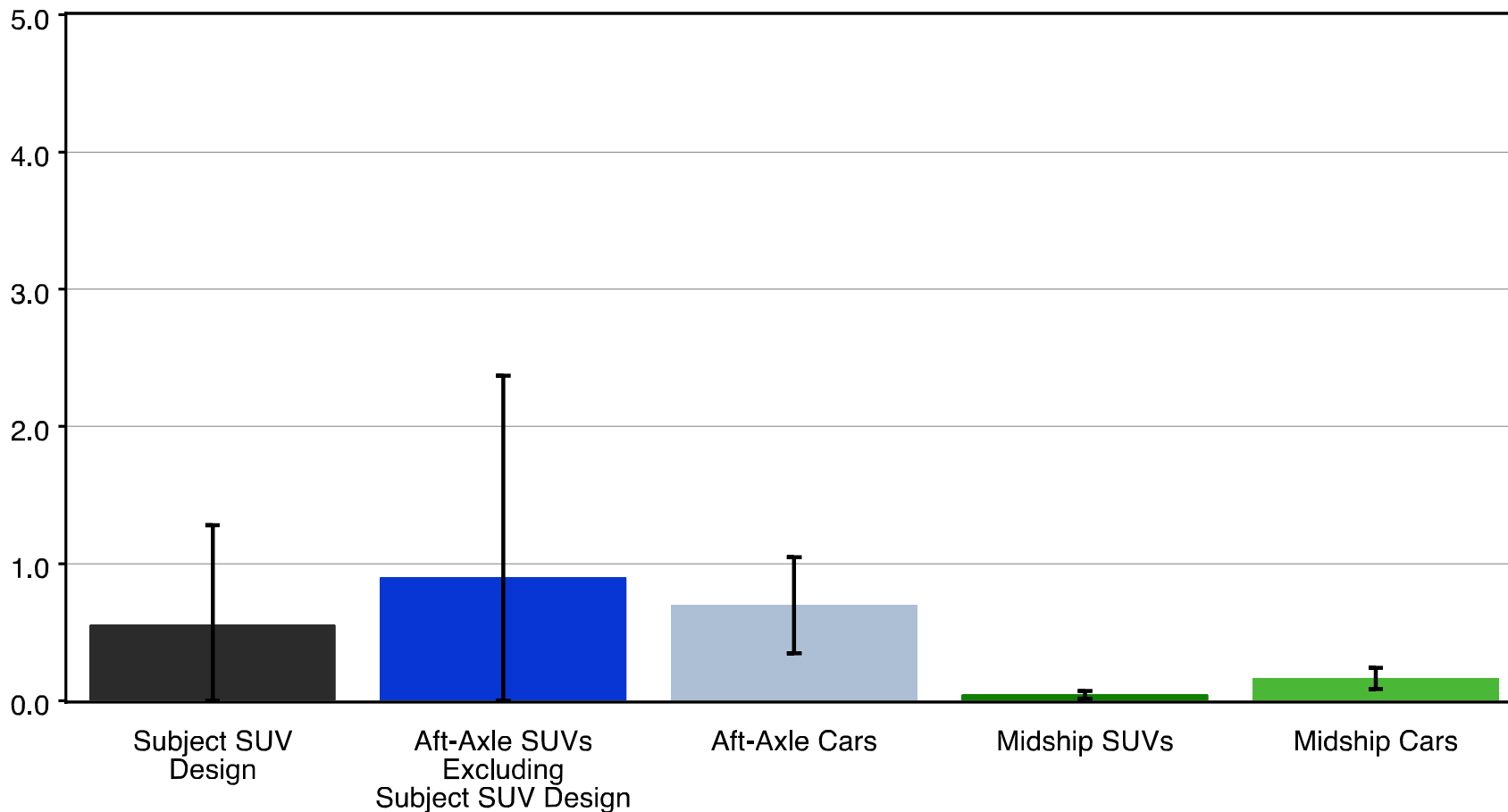


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Grand Cherokee.
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

Rates of Post-Collision Fuel System Leakage Utility Vehicles and Cars Towed Due to Damage

ehicles with Post-Collision Fuel System Leakage
per 100 Towed Vehicles

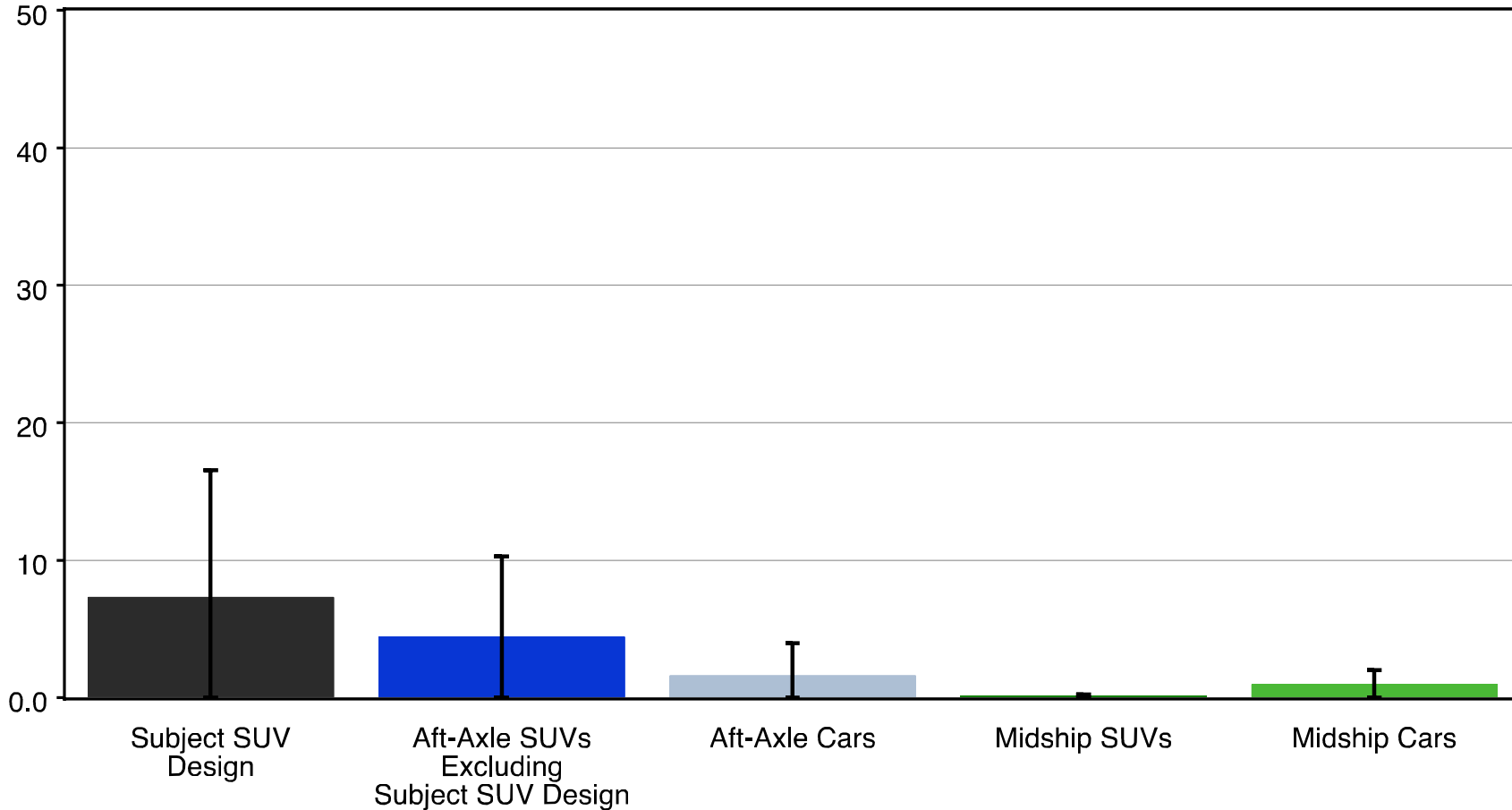


*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-199*

*1984-1990 Jeep Wagoneer.
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN.*

Rates of Post-Collision Fuel System Leakage in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Les with Post-Collision Fuel System Leakage
per 100 Towed Vehicles

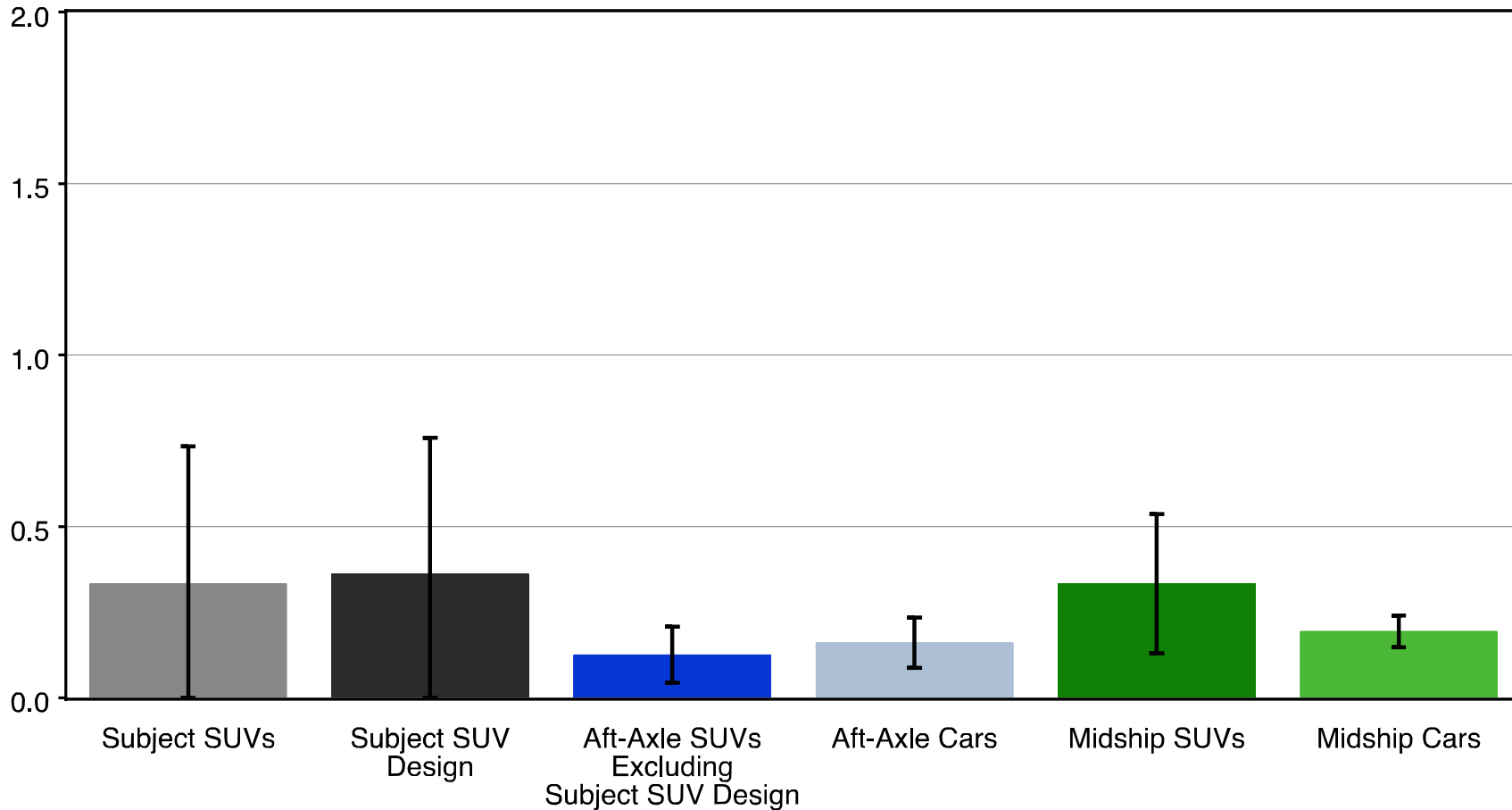


*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-199*

*1984-1990 Jeep Wagoneer.
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."*

Rates of Post-Collision Fire Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fire
per 100 Towed Vehicles



Source: NASS CDS 1988-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee.

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

Predecessor SUVs are the model-year 1984-1992 Jeep Cherokee and 1984-1990 Jeep Wagoneer.

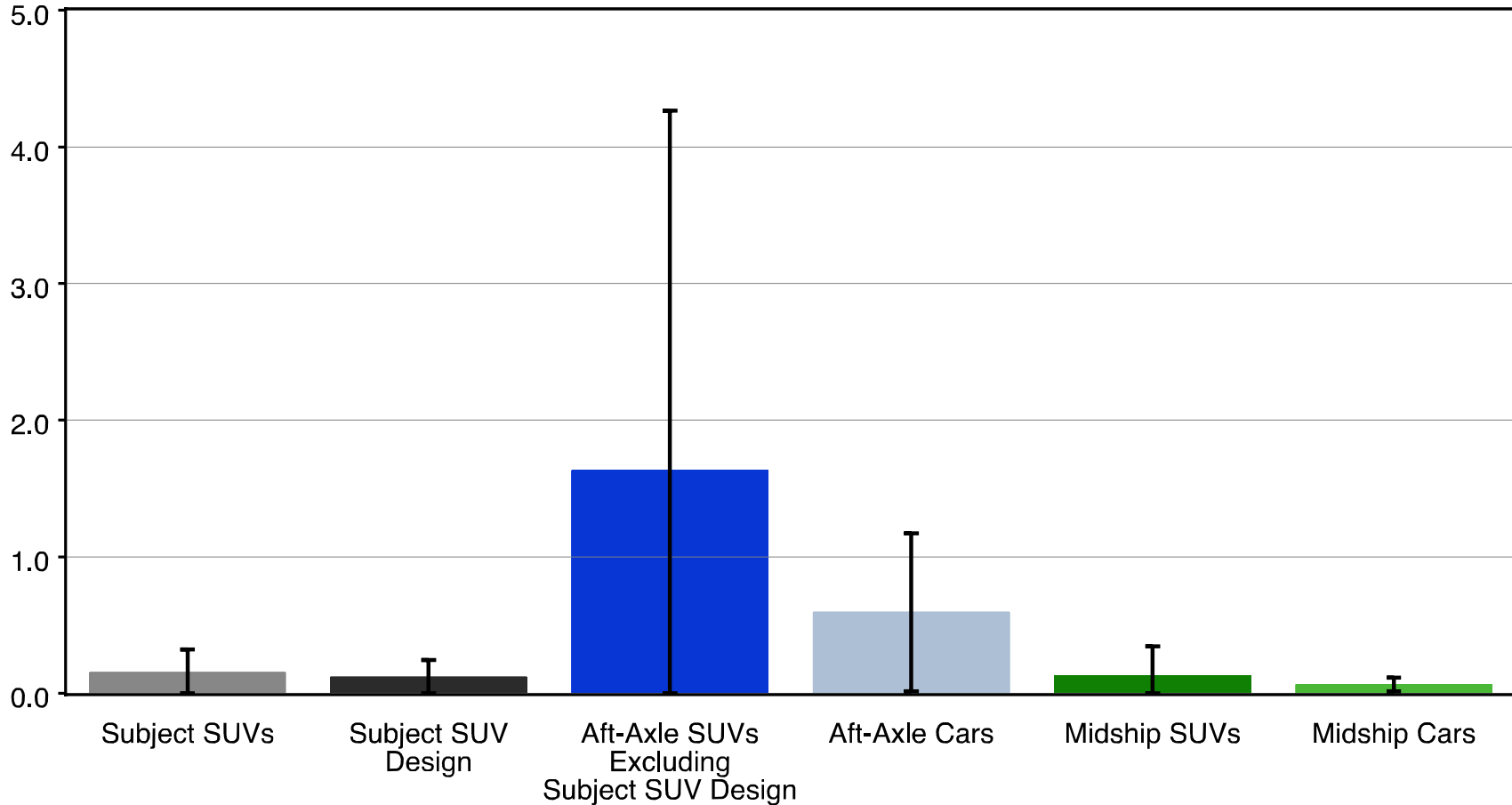
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN.

Rates of Post-Collision Fire in Rear Impacts

Utility Vehicles and Cars Towed Due to Damage

Cases with Post-Collision Fire
per 100 Towed Vehicles

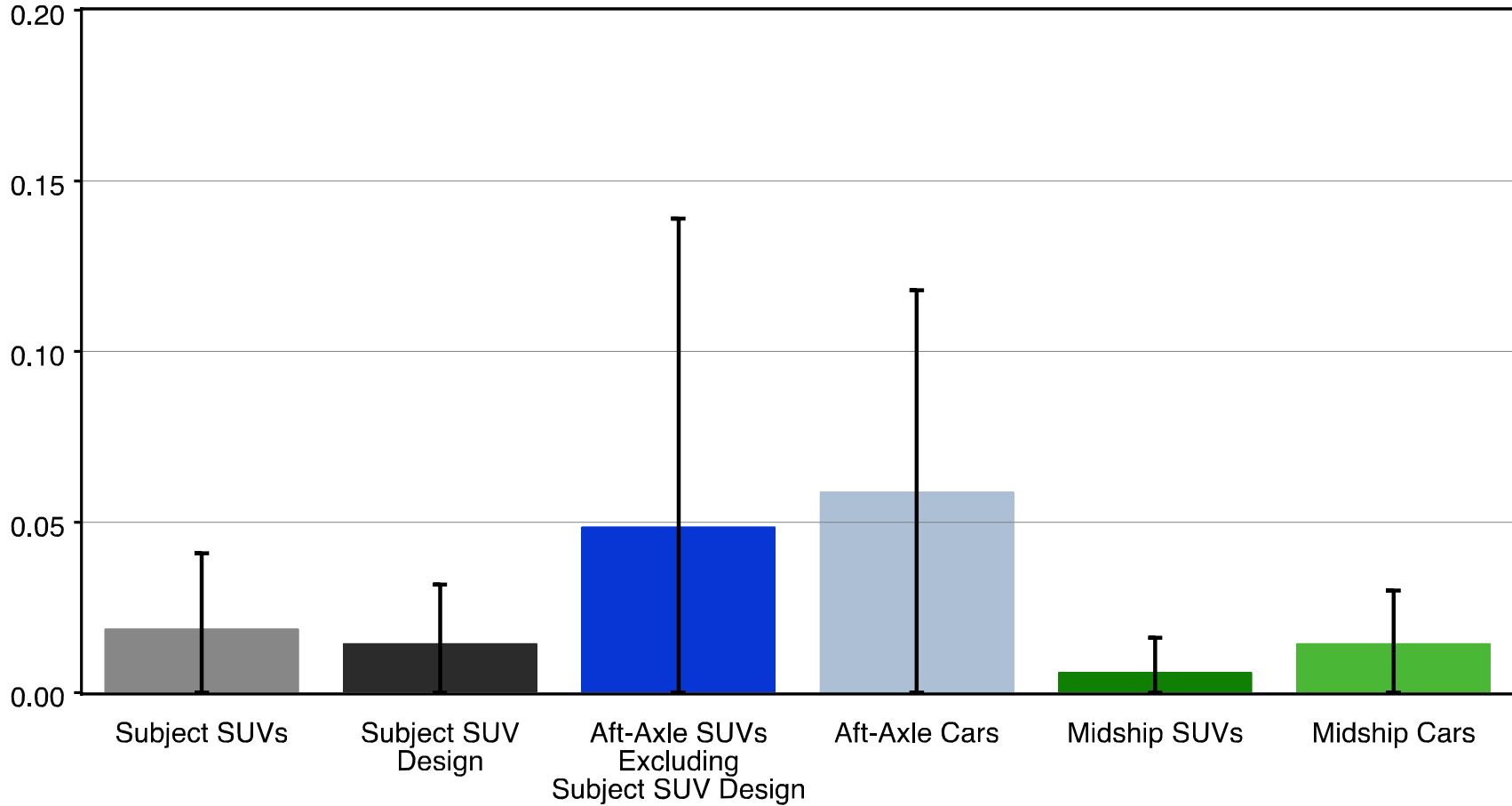


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Grand Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

Rates of Post-Collision Fire with Origin in Fuel Tank Area Utility Vehicles and Cars Towed Due to Damage

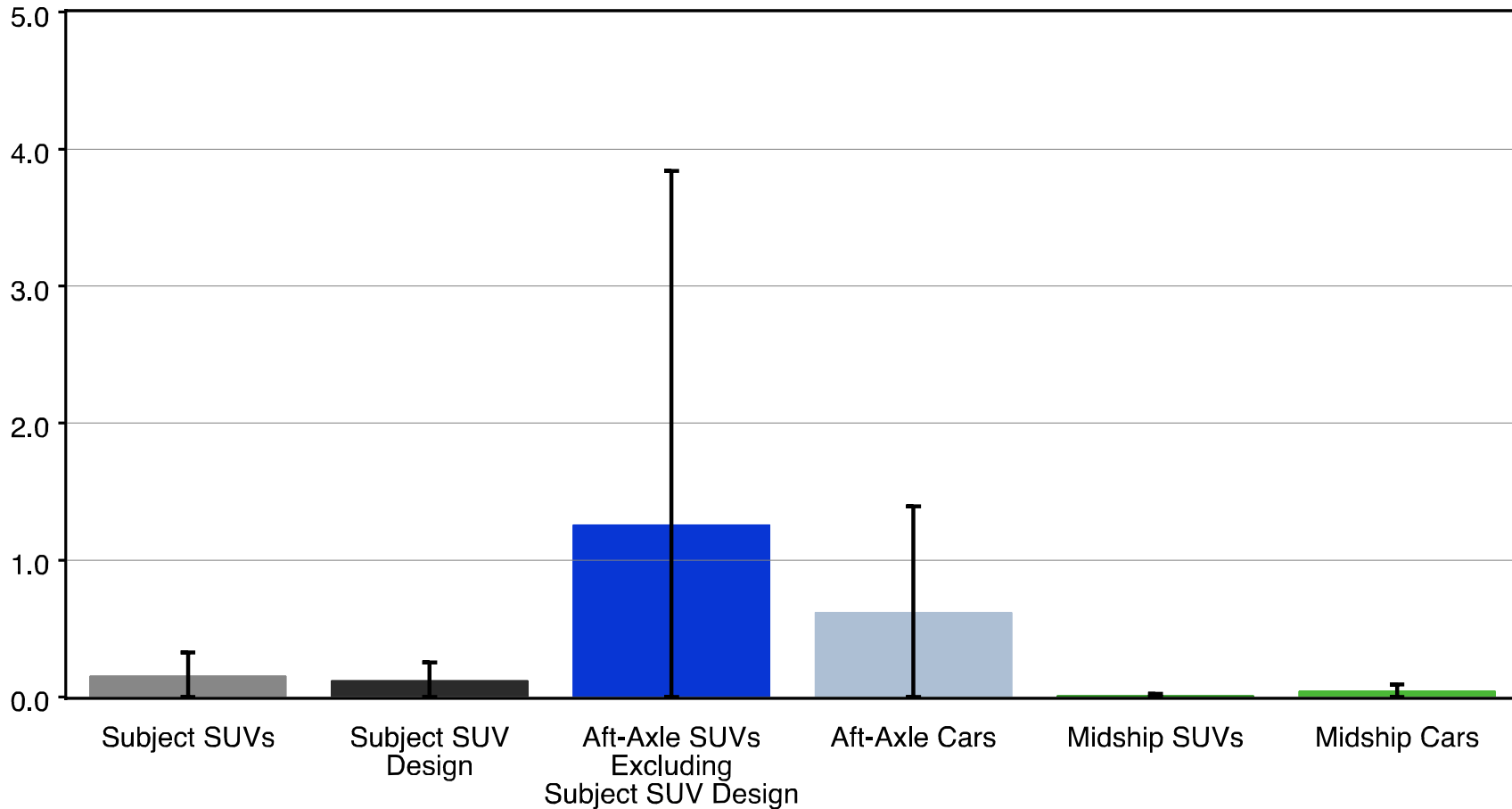
Rates of Post-Collision Fire with Origin in Fuel Tank Area
per 100 Towed Vehicles



Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1992 Jeep Cherokee and 1984-1990 Jeep Wagoneer. Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN.

Rates of Post-Collision Fire with Origin in Fuel Tank Area in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fire with Origin in Fuel Tank Area
per 100 Towed Vehicles



Source: NASS CDS 1991-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

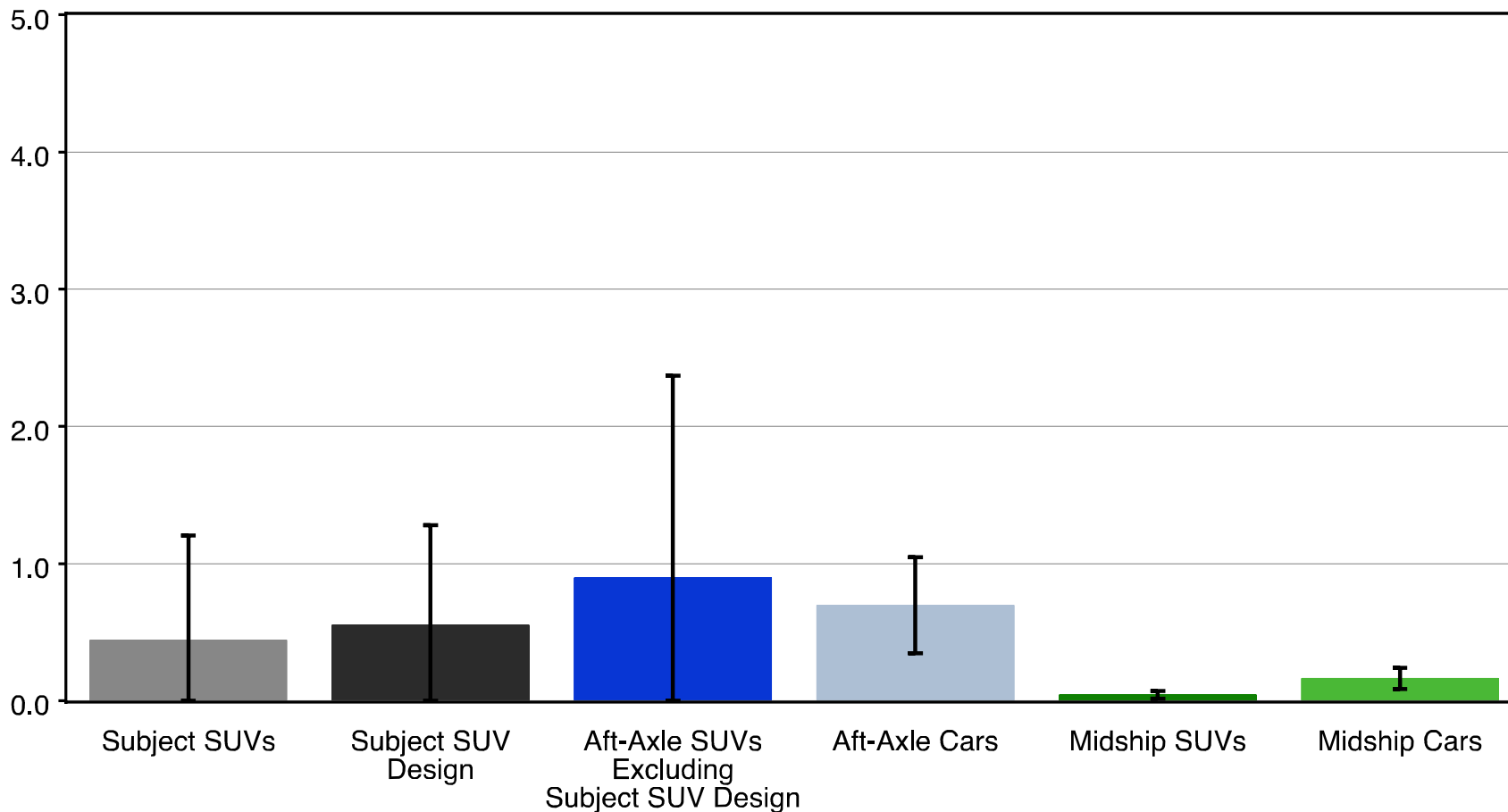
Predecessor SUVs are the model-year 1984-1991 1984-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

Rates of Post-Collision Fuel System Leakage Utility Vehicles and Cars Towed Due to Damage

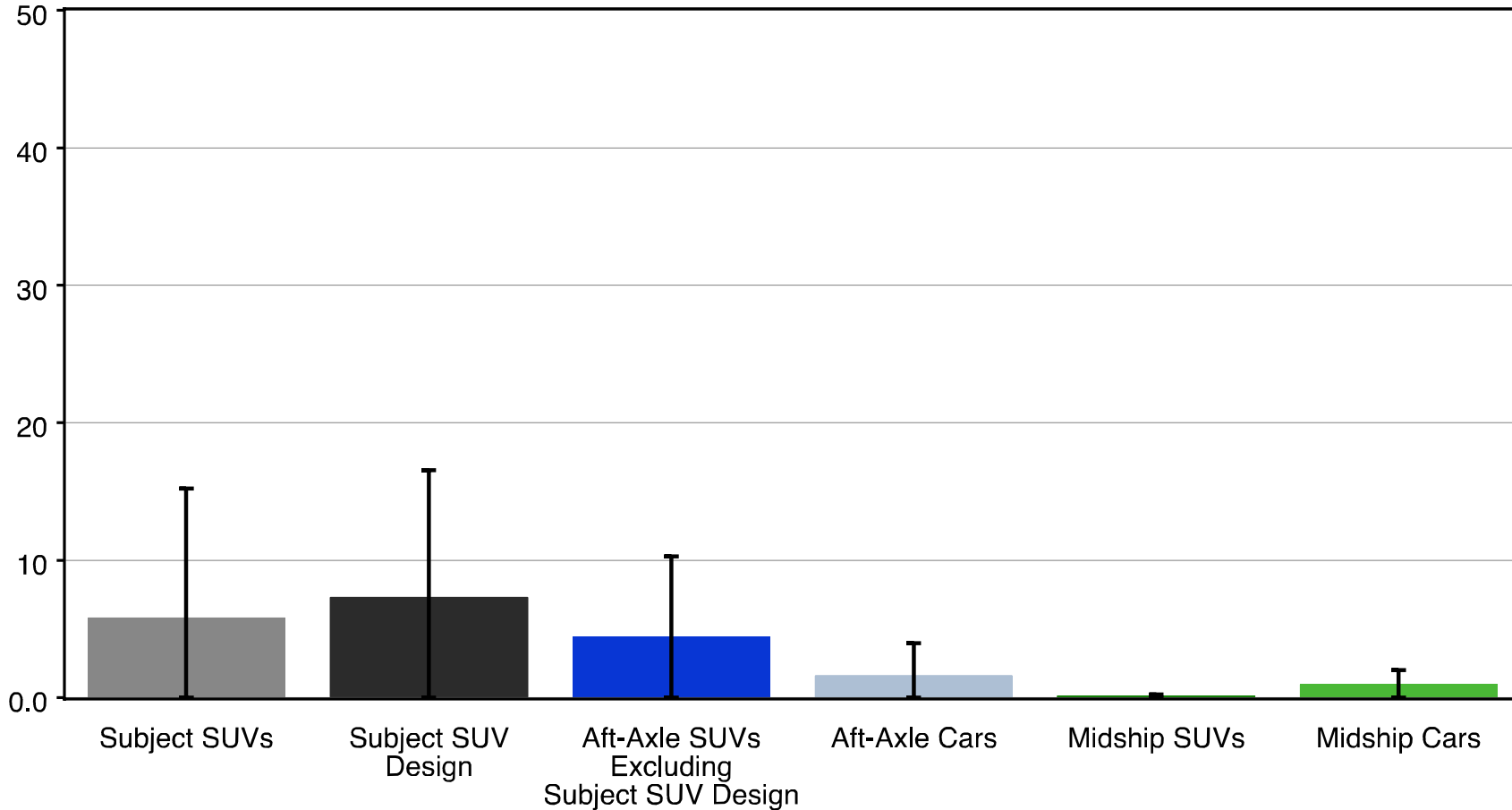
Vehicles with Post-Collision Fuel System Leakage
per 100 Towed Vehicles



*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-1992 Jeep Cherokee and 1984-1990 Jeep Wagoneer.
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN.*

Rates of Post-Collision Fuel System Leakage in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Les with Post-Collision Fuel System Leakage
per 100 Towed Vehicles

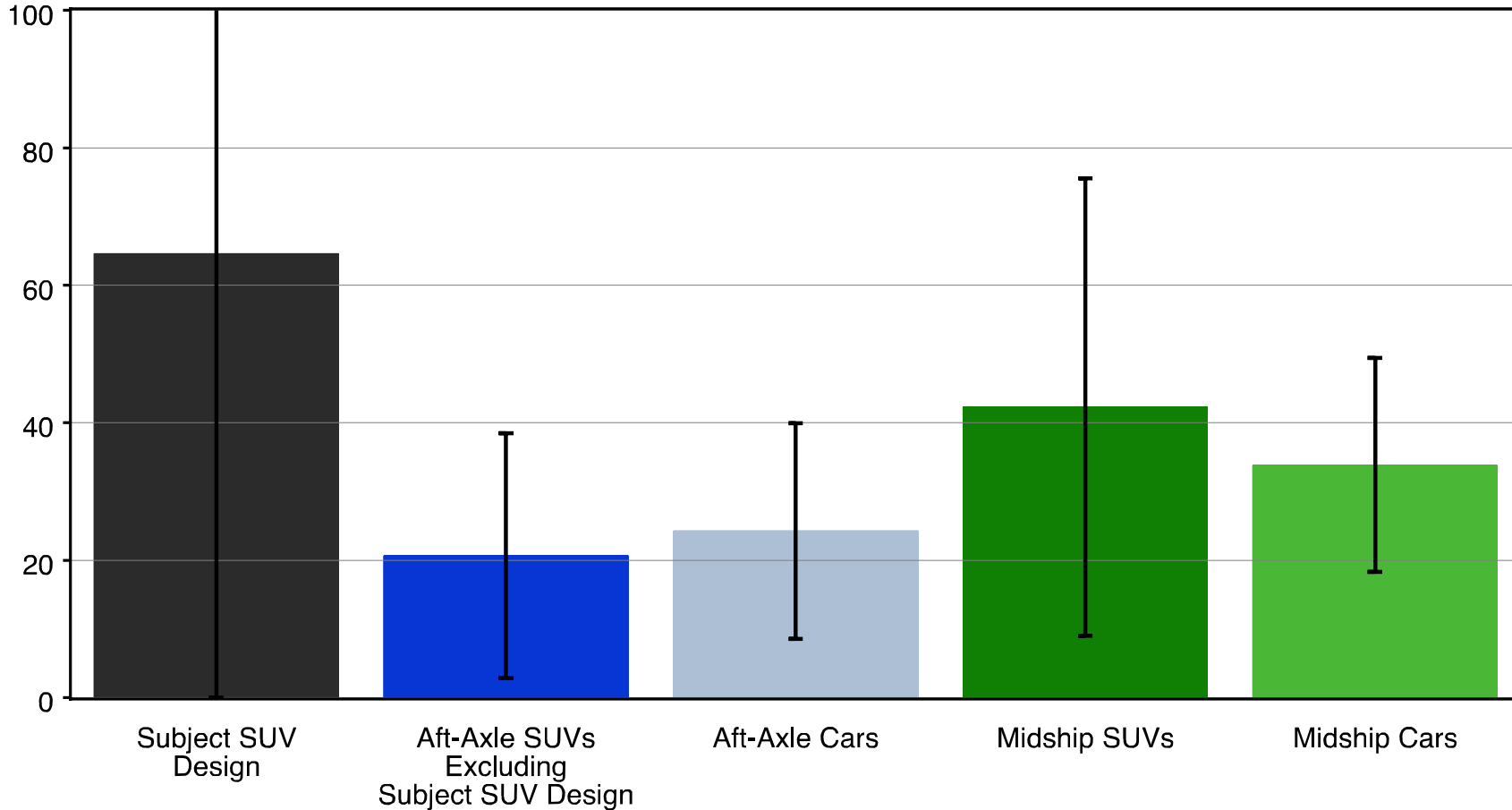


*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-199*

*-1990 Jeep Wagoneer.
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."*

Rates of Post-Collision Fire Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fire
per Million Registered Vehicle Years



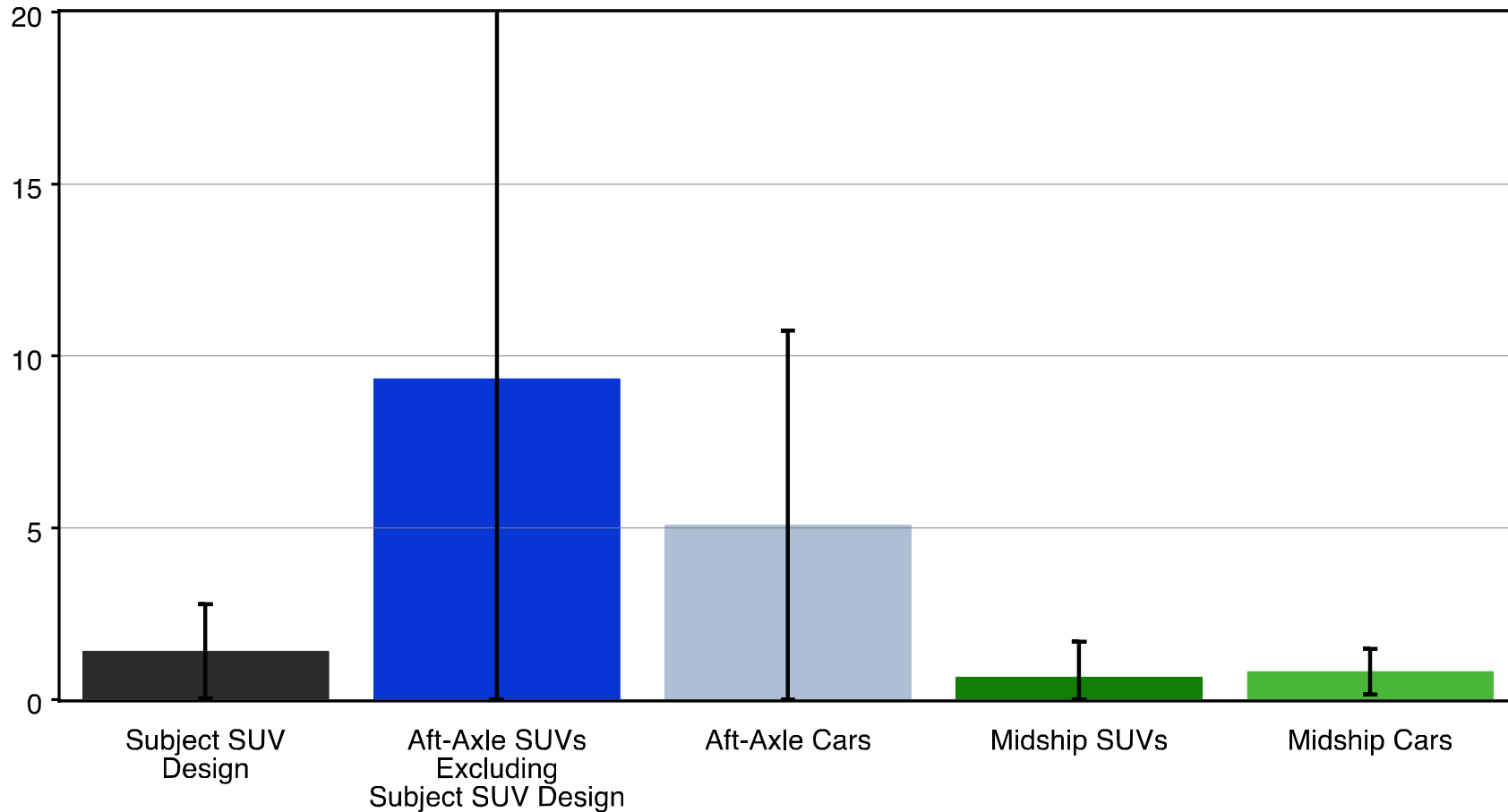
Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-199

1984-1990 Jeep Wagoneer. Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN.

Rates of Post-Collision Fire in Rear Impacts

Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fire
per Million Registered Vehicle Years



Sources: NASS CDS 1988-2010 and Polk NVPP 1988-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee.

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

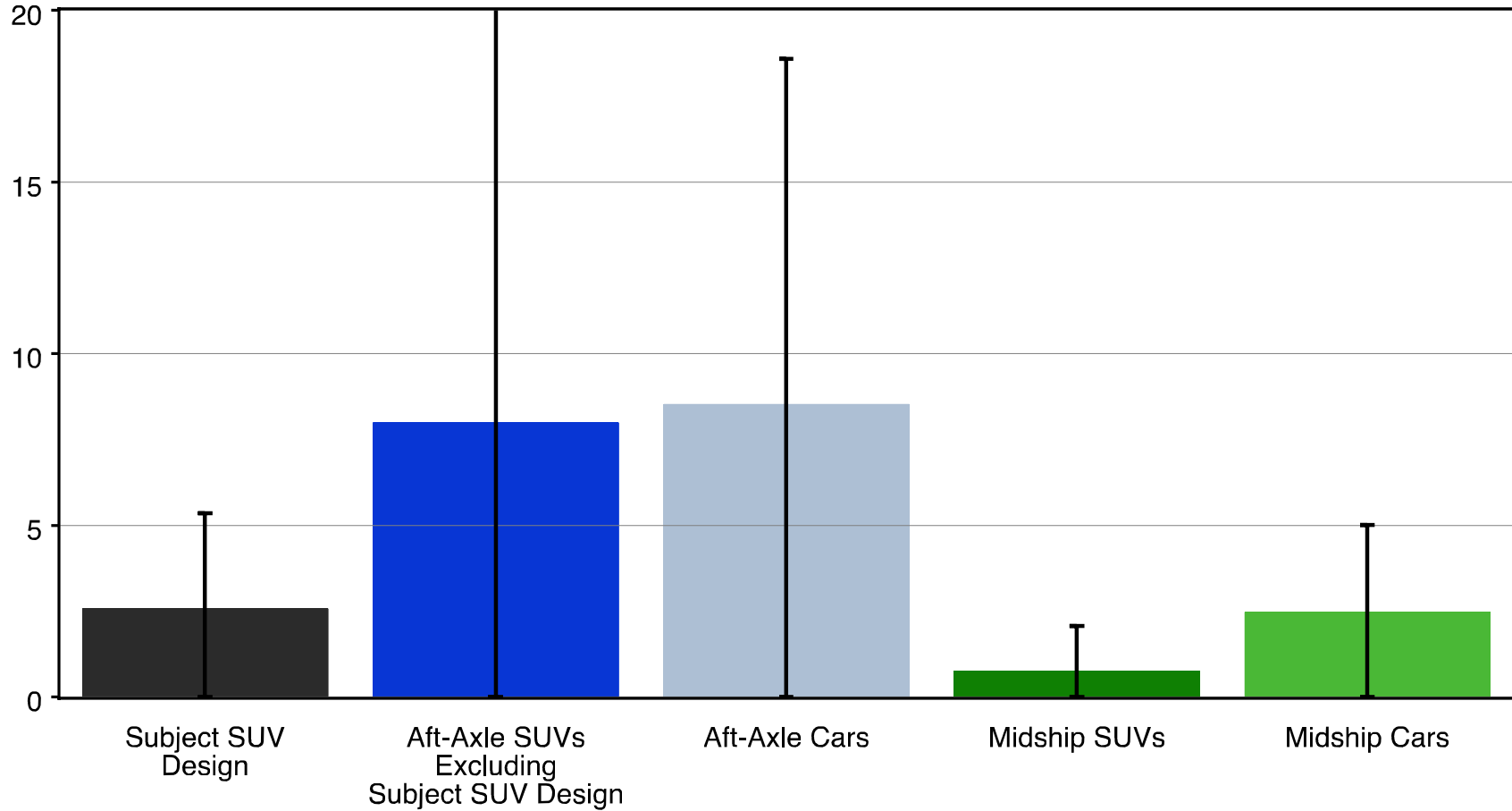
Predecessor SUVs are the model-year 1984-199 -1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

Rates of Post-Collision Fire with Origin in Fuel Tank Area Utility Vehicles and Cars Towed Due to Damage

Rates of Post-Collision Fire with Origin in Fuel Tank Area
per Million Registered Vehicle Years

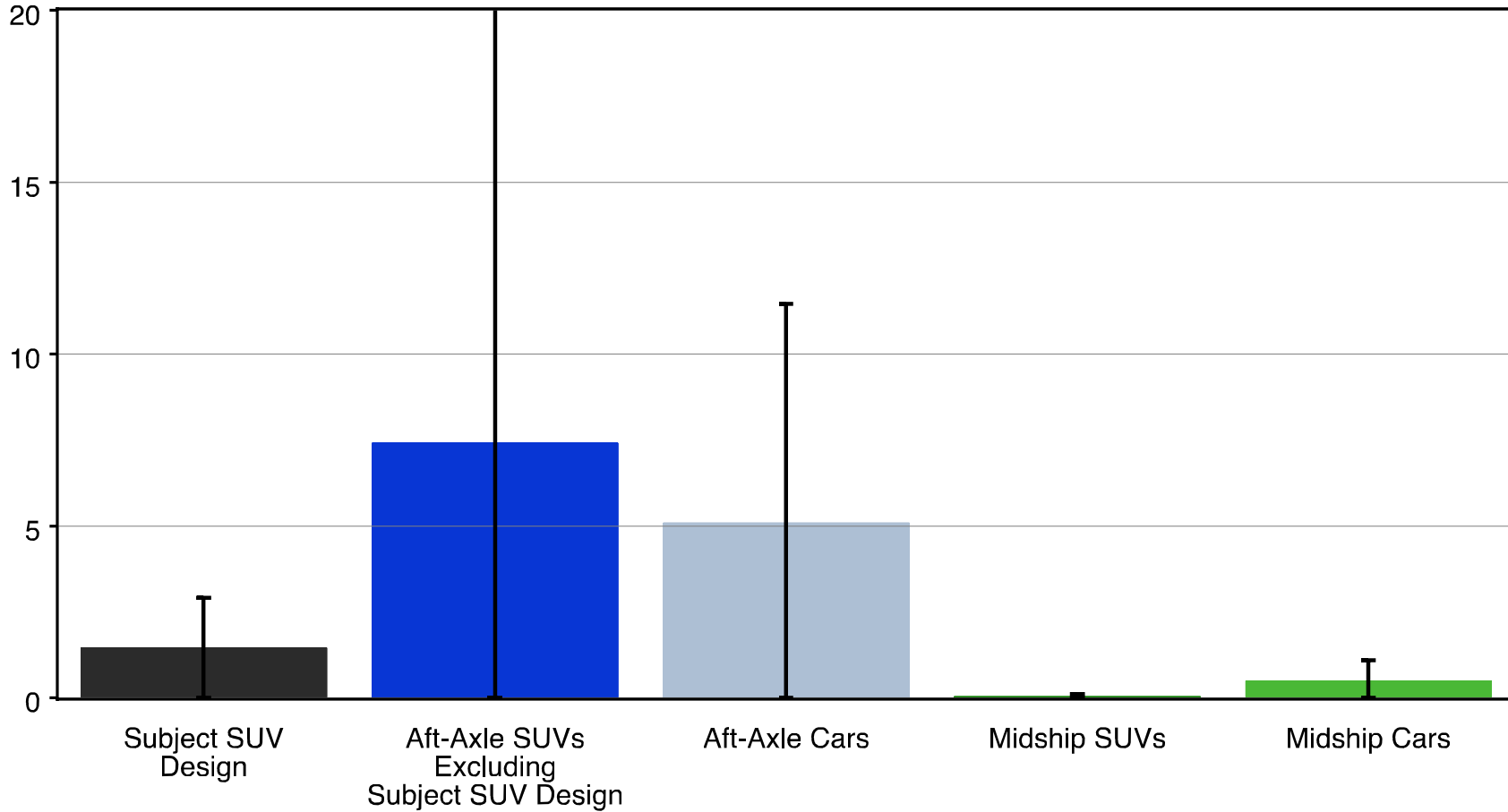


*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Wrangler.
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.*

*Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN.*

Rates of Post-Collision Fire with Origin in Fuel Tank Area in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fire with Origin in Fuel Tank Area
per Million Registered Vehicle Years



Sources: NASS CDS 1991-2010 and Polk NVPP 1991-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee.

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

Predecessor SUVs are the model-year 1984-199

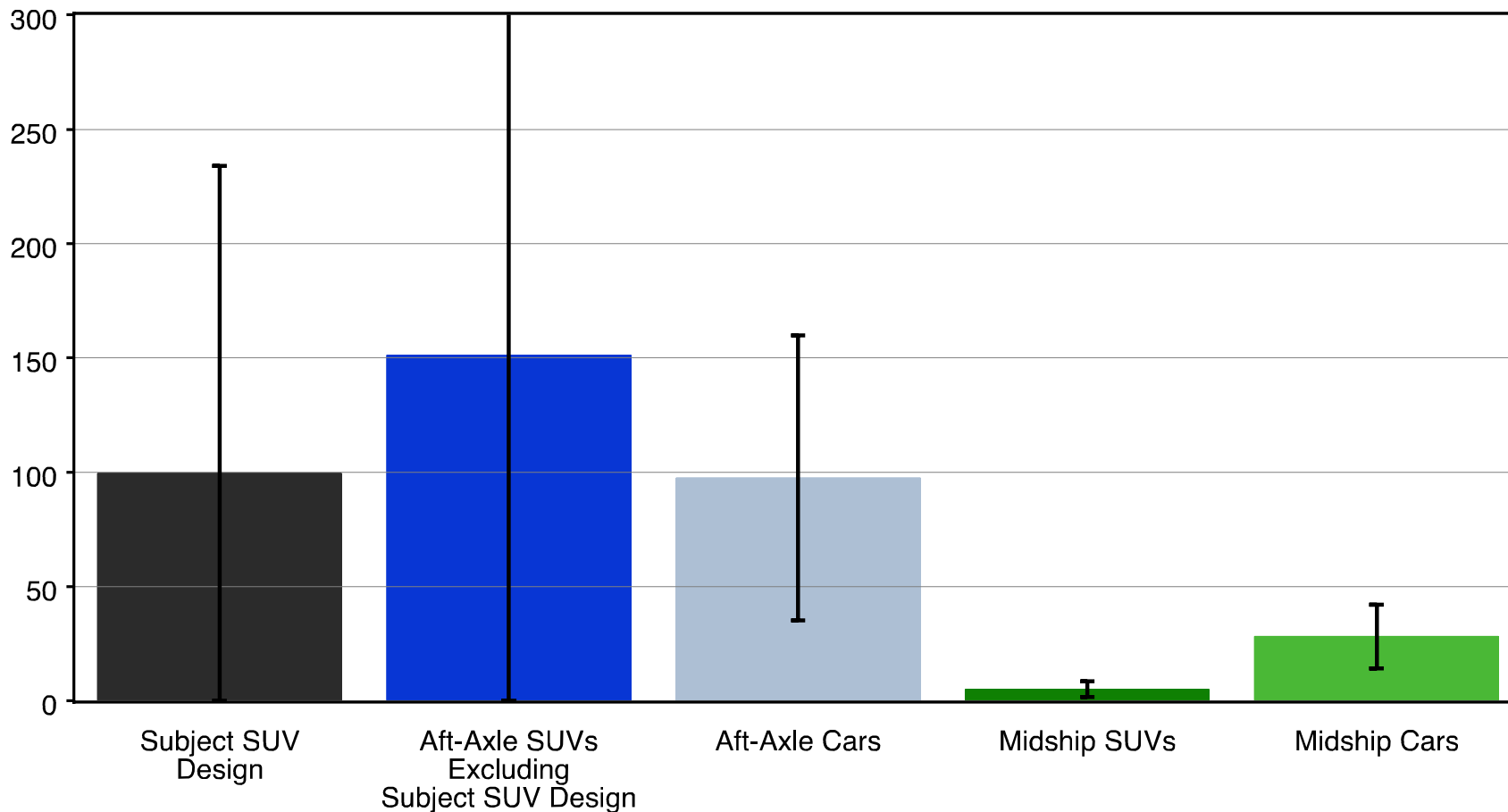
-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

Rates of Post-Collision Fuel System Leakage Utility Vehicles and Cars Towed Due to Damage

Les with Post-Collision Fuel System Leakage
per Million Registered Vehicle Years



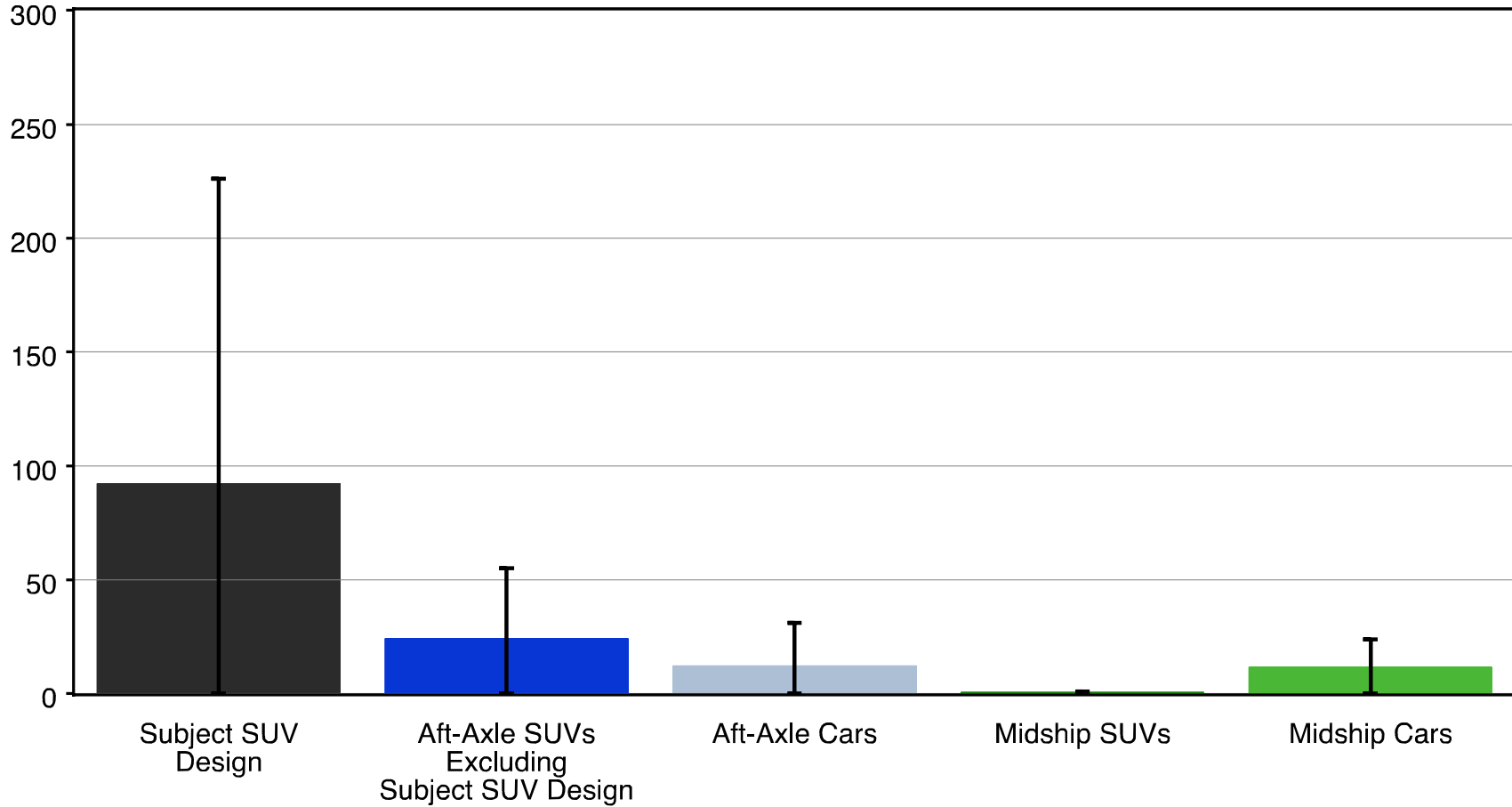
*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-1992 Jeep Cherokee and 1984-1990 Jeep Wagoneer.*

*Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN.*

Rates of Post-Collision Fuel System Leakage in Rear Impacts

Utility Vehicles and Cars Towed Due to Damage

Cases with Post-Collision Fuel System Leakage
per Million Registered Vehicle Years

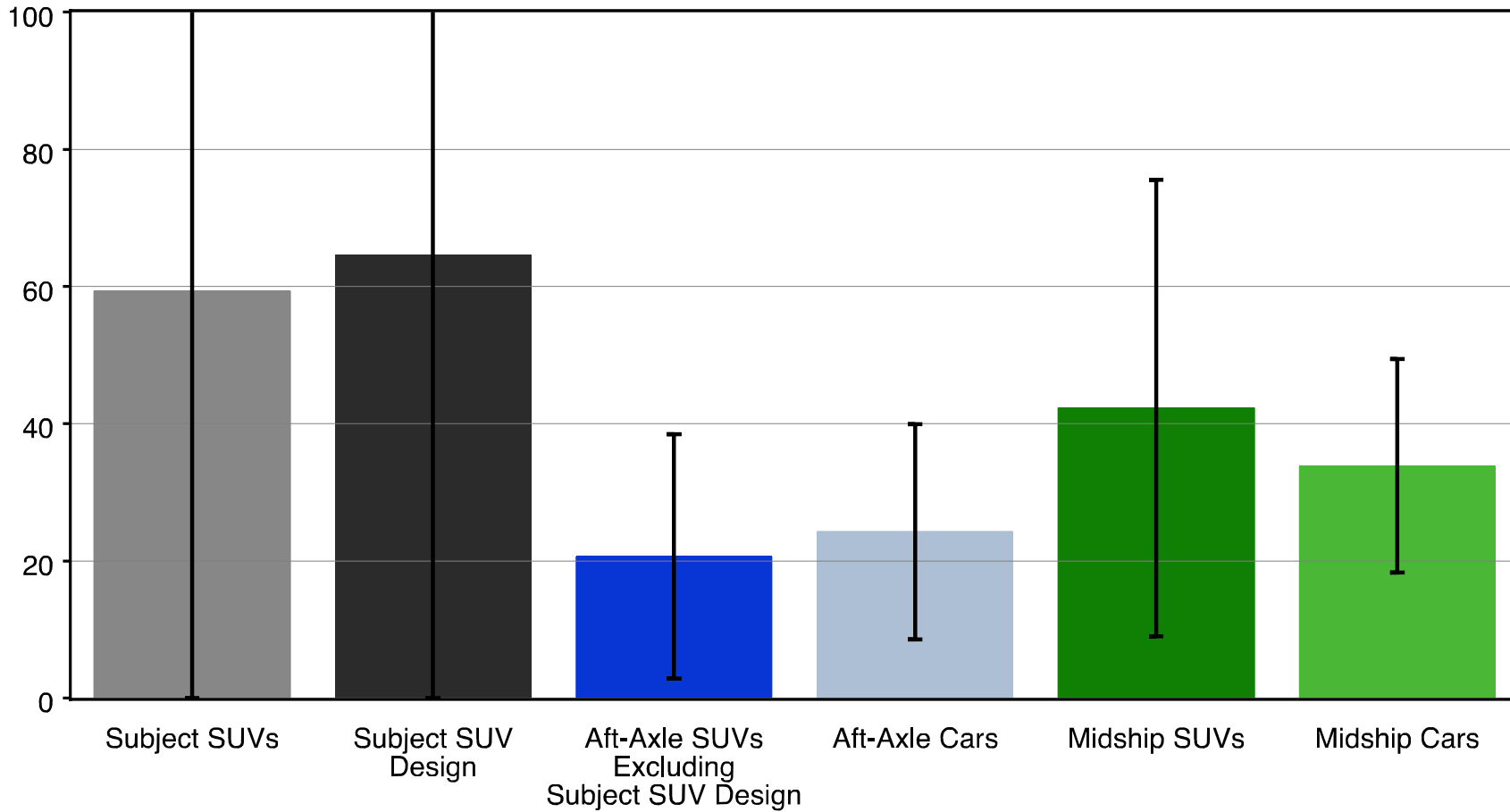


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Grand Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

Rates of Post-Collision Fire Utility Vehicles and Cars Towed Due to Damage

Cases with Post-Collision Fire
per Million Registered Vehicle Years

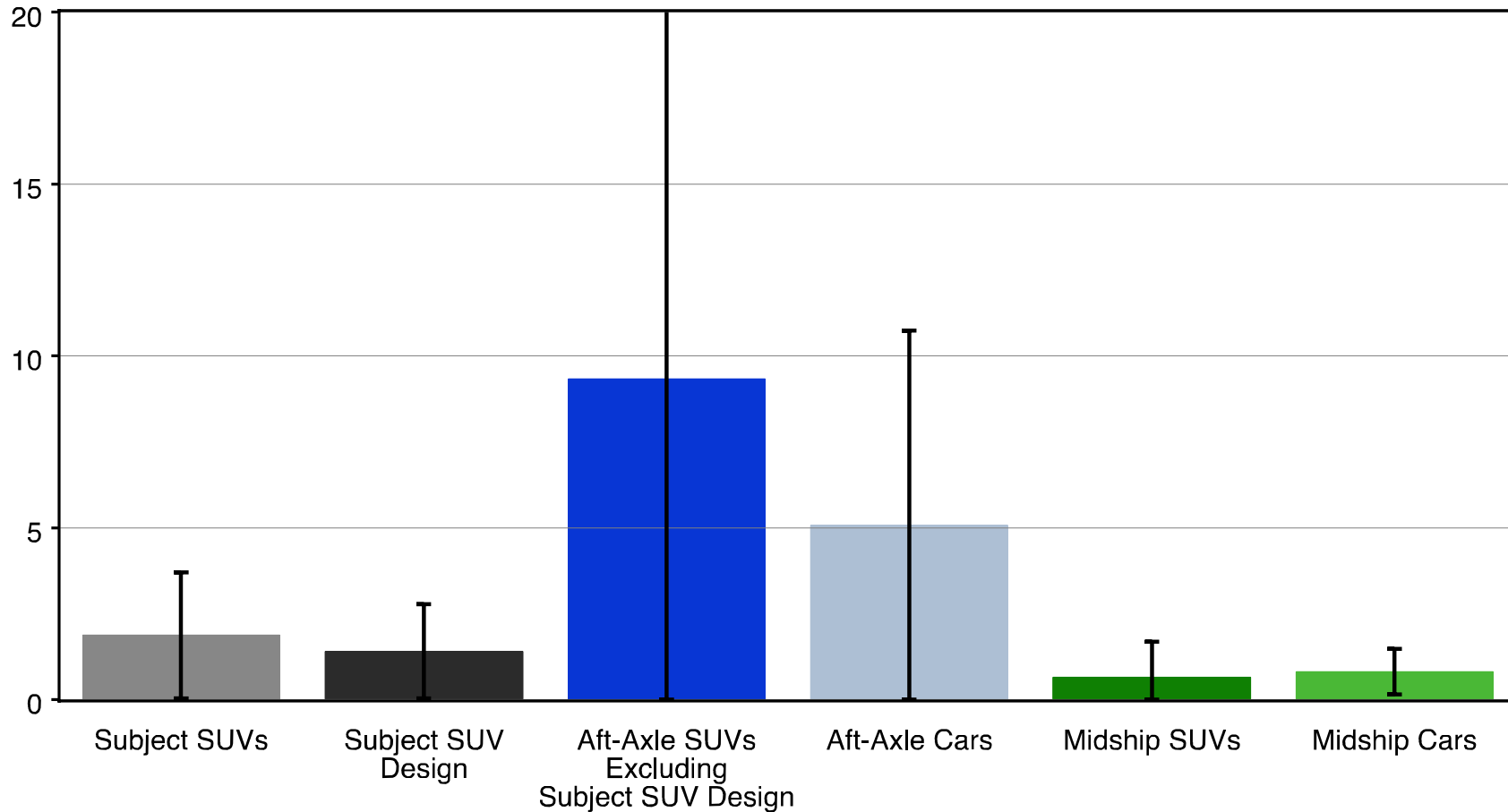


*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee.
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-1999 Jeep Wagoneer.
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN.*

Rates of Post-Collision Fire in Rear Impacts

Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fire
per Million Registered Vehicle Years



Sources: NASS CDS 1988-2010 and Polk NVPP 1988-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee.

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

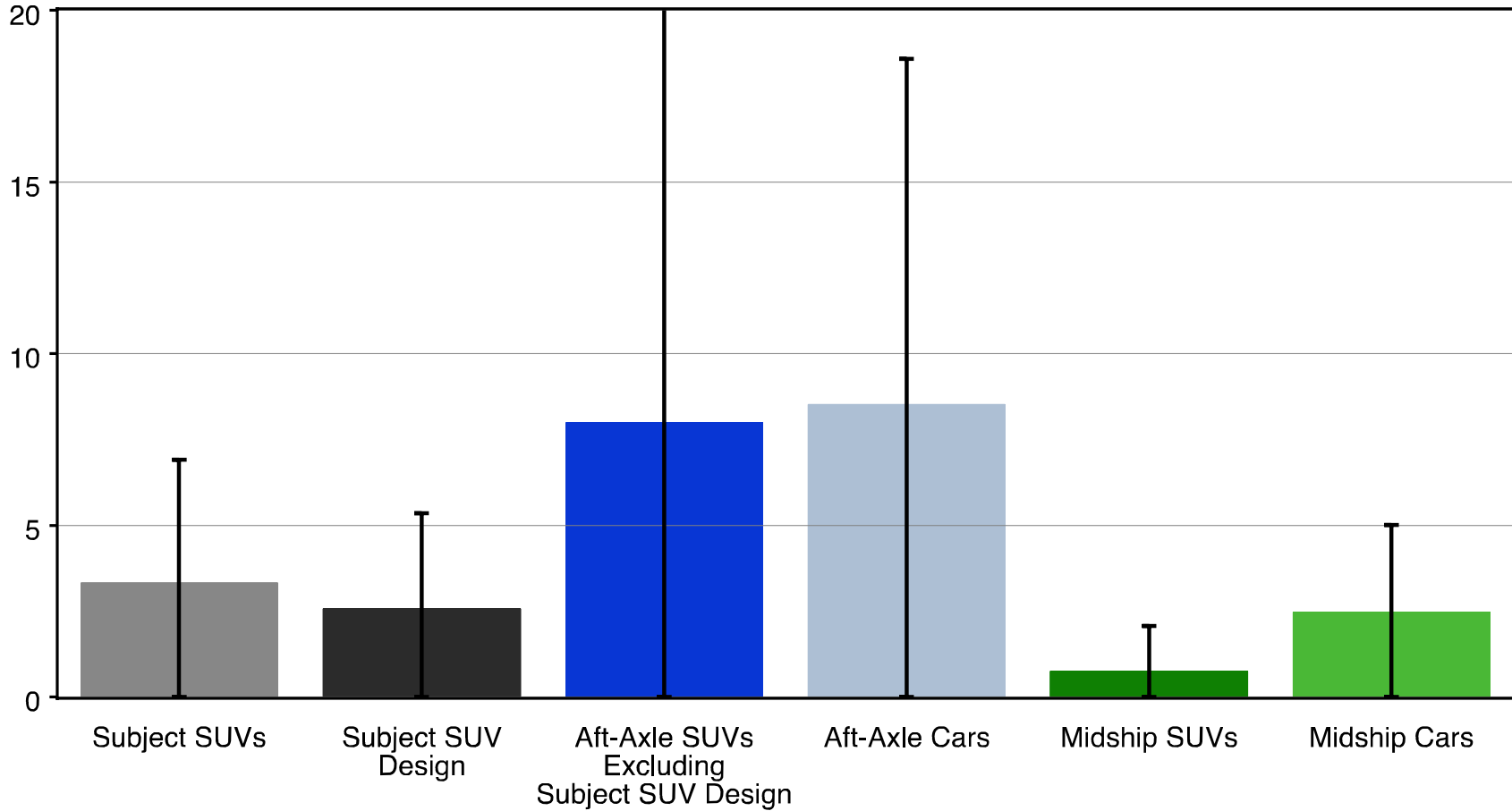
Predecessor SUVs are the model-year 1984-199 -1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

Rates of Post-Collision Fire with Origin in Fuel Tank Area Utility Vehicles and Cars Towed Due to Damage

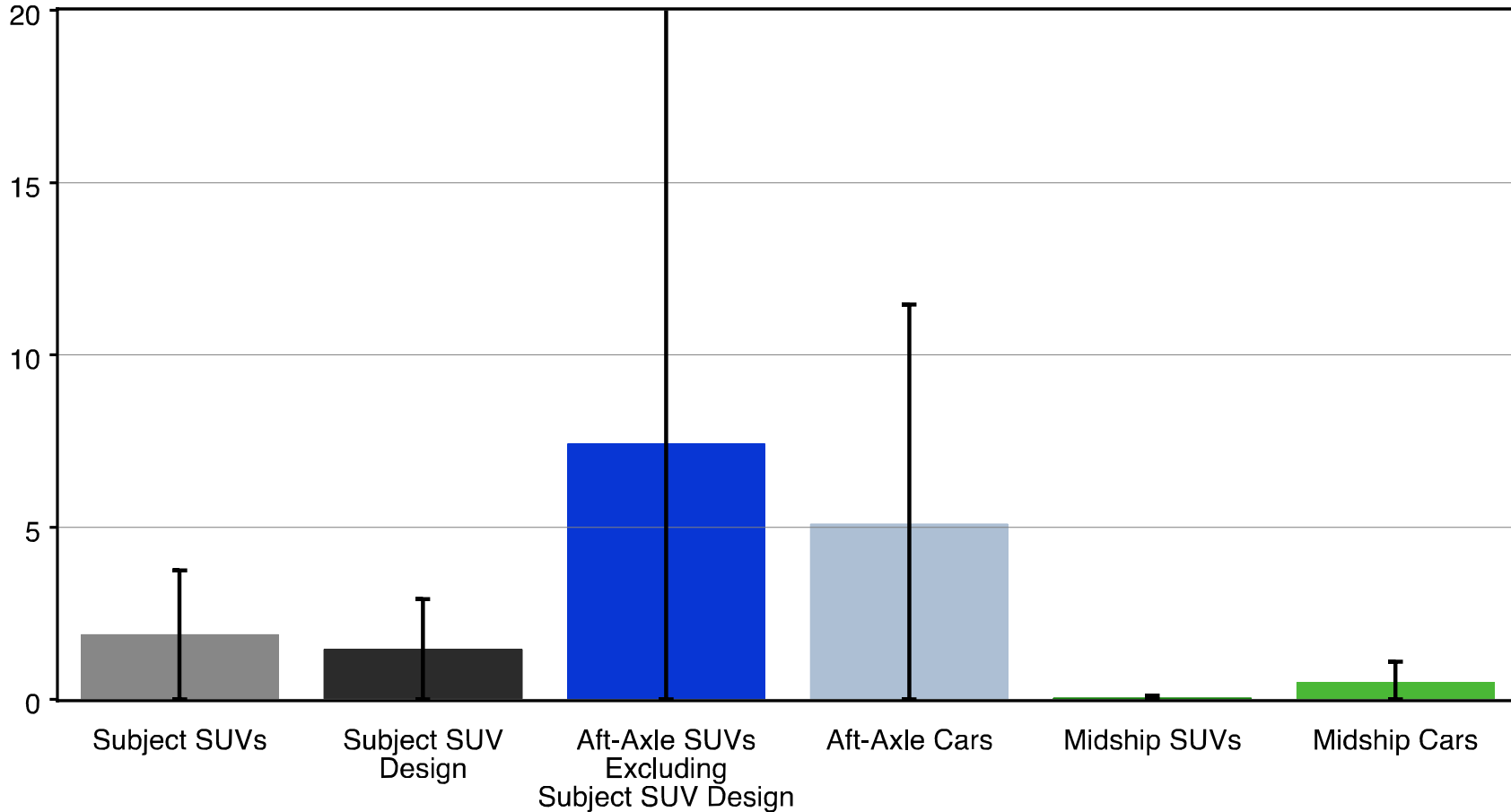
Rates of Post-Collision Fire with Origin in Fuel Tank Area
per Million Registered Vehicle Years



*Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J
Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.
Predecessor SUVs are the model-year 1984-199
1984-1990 Jeep Wagoneer.
Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."
Vehicle models identified by VIN.*

Rates of Post-Collision Fire with Origin in Fuel Tank Area in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Rates of Post-Collision Fire with Origin in Fuel Tank Area
per Million Registered Vehicle Years

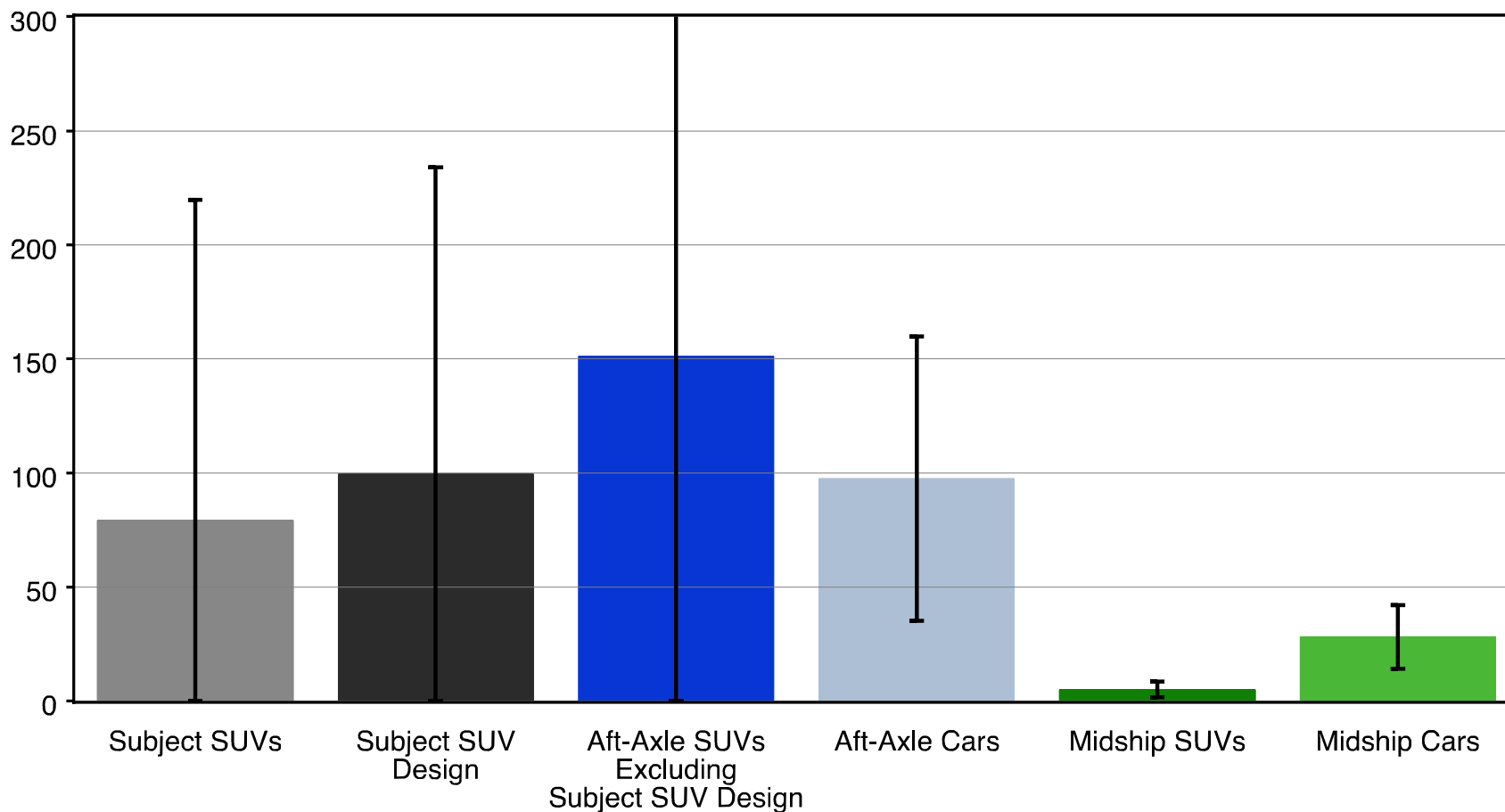


Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee. Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration. Predecessor SUVs are the model-year 1984-1992 Jeep Cherokee and 1984-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12." Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

Rates of Post-Collision Fuel System Leakage Utility Vehicles and Cars Towed Due to Damage

Vehicles with Post-Collision Fuel System Leakage
per Million Registered Vehicle Years



Sources: NASS CDS 1994-2010 and Polk NVPP 1994-2010.

Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 Jeep Cherokee.

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

Predecessor SUVs are the model-year 1984-199

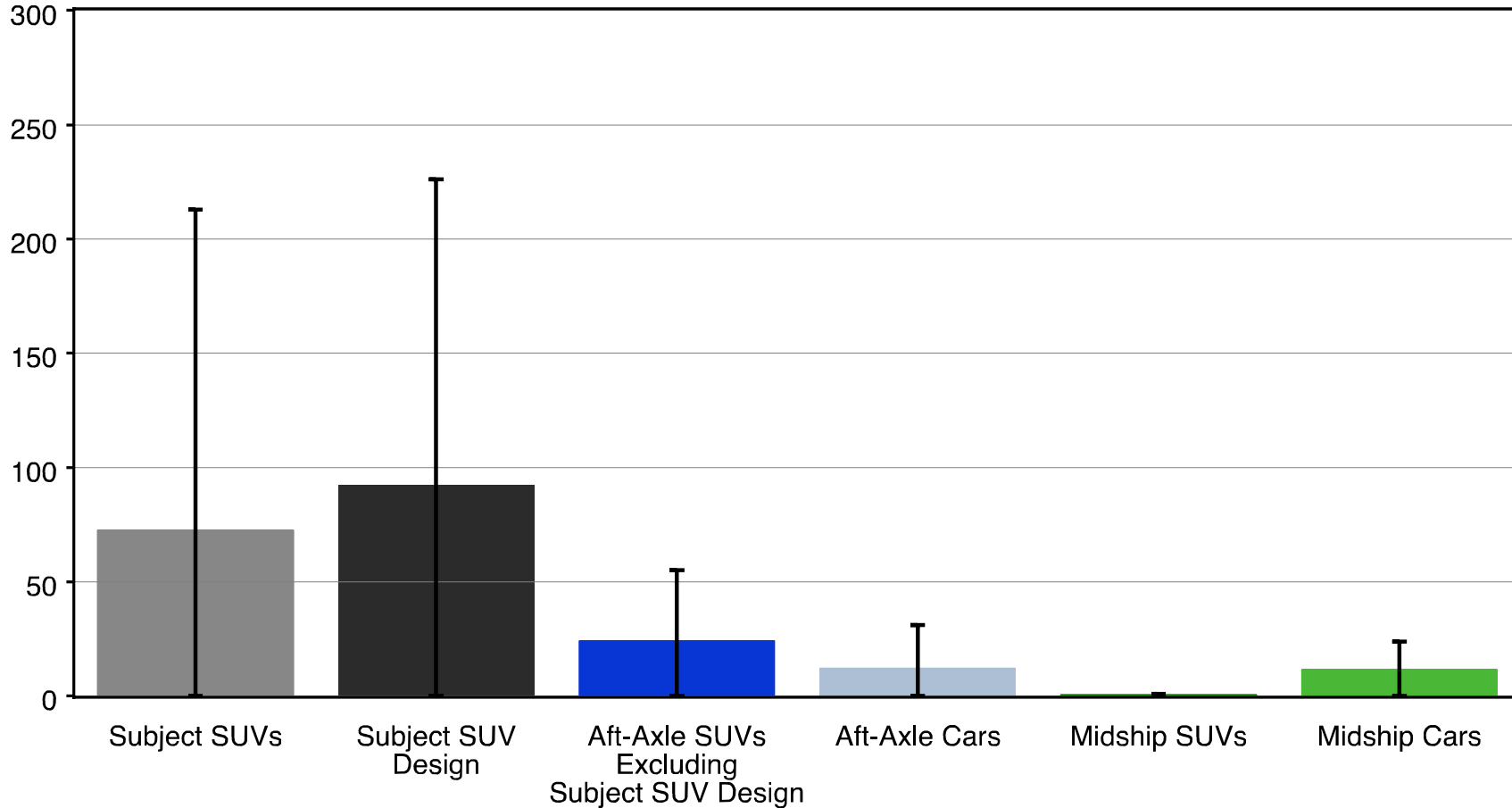
-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN.

Rates of Post-Collision Fuel System Leakage in Rear Impacts Utility Vehicles and Cars Towed Due to Damage

Les with Post-Collision Fuel System Leakage
per Million Registered Vehicle Years



Subject SUVs are the model-year 1993-2004 Jeep Grand Cherokee, 2002-2007 Jeep Liberty, and 1993-2001 J

Subject SUV Design refers to Subject SUVs as well as predecessor SUVs sharing the same fuel-tank configuration.

Predecessor SUVs are the model-year 1984-1992 Jeep Cherokee and 1984-1990 Jeep Wagoneer.

Other groups are model-year 1984-2005 cars and SUVs labeled with tank location "Mid Ship" or "Aft axle" in "Fuel Tank Location Information NHTSA 12-10-12."

Vehicle models identified by VIN. "Rear Impact" is defined as the Highest Deformation Location (variable: GAD1) equal to "Back."

NASS GES and NASS CDS

1. Rates and prevalences of post-collision fire in rear impacts for the Subject SUV Design models are comparable to or lower than those of other SUVs with aft-axle tanks, and statistically indistinguishable from them. [Slides 3, 4, 6, 7, 9, 10, 12, 13, 16, 22, 28, 34]

2. Rates and prevalences of post-collision fire with origin in fuel tank area for the Subject SUV Design models are comparable to or lower than those of other SUVs with aft-axle tanks, and statistically indistinguishable from them. This holds generally as well as in rear impacts in particular. [Slides 17, 18, 23, 24, 29, 30, 35, 36]

3. Rates and prevalences of post-collision fuel system leakage for the Subject SUV Design models are comparable to or lower than those of other SUVs with aft-axle tanks, and statistically indistinguishable from them. [Slides 19, 25, 31, 37]

4. Rates and prevalences of post-collision fuel system leakage in rear impacts for the Subject SUV Design models are statistically indistinguishable from those of other SUVs with aft-axle tanks. [Slides 20, 26, 32, 38]

EA12-005

CHRYSLER

12/13/2012

Enclosure 6G

Wecker Report, DX WECKER
MATLS

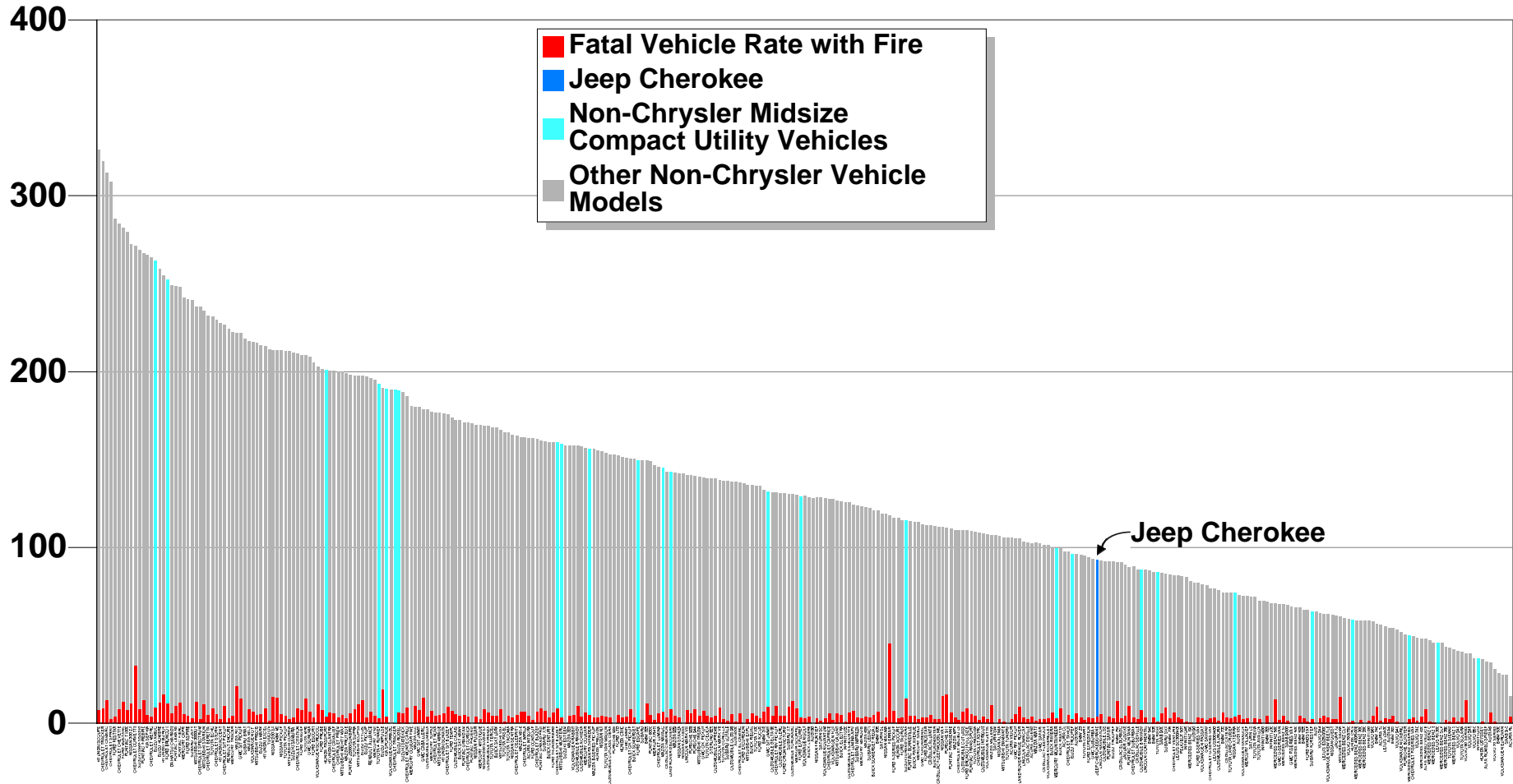
OPINIONS

1. Many other models, including many midsize non-Chrysler compact utility vehicles and many passenger car models, have higher fatal vehicle rates than that of model year 1984-2001 Jeep Cherokees vehicles. This holds for all collisions as well as rear impact collisions.
2. Many other models, including many midsize non-Chrysler compact utility vehicles and many passenger car models, have higher fatal vehicle rates with fire than that of model year 1984-2001 Jeep Cherokees vehicles. This holds for all collisions as well as rear impact collisions.
3. The fatal or major vehicle rates of model year 1984-2001 Jeep Cherokees are comparable to those of midsize non-Chrysler compact utility vehicles of the same vintage. This holds for all collisions as well as rear impact collisions.
4. Post-collision fire rates of model year 1984-2001 Jeep Cherokees are comparable to those of non-Chrysler midsize compact utility vehicles. This holds for all collisions as well as rear impact collisions.

Fatal Vehicle Rates

Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks

Fatal Vehicles
Per Million Vehicle Years



Vehicle Models

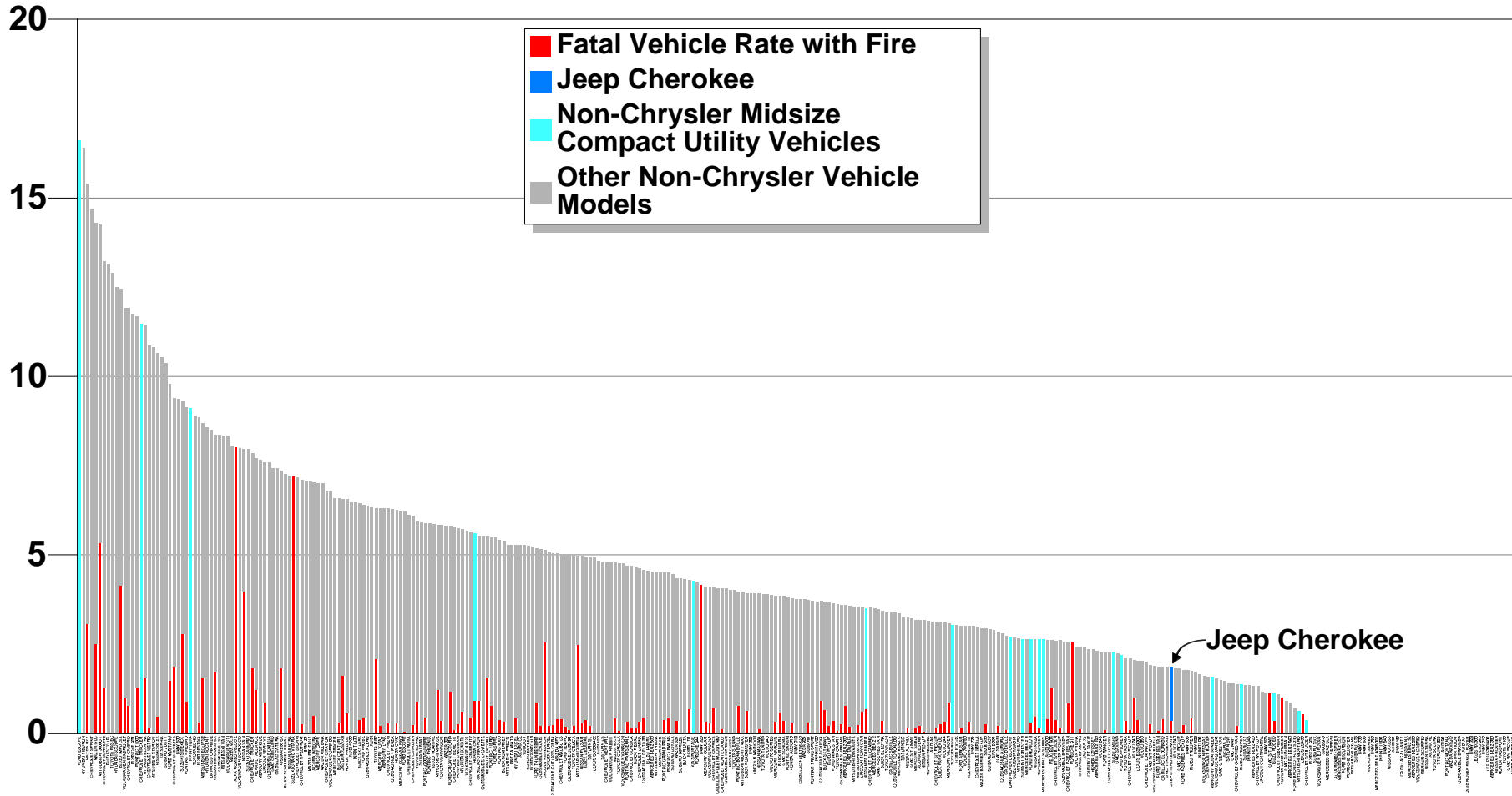
EA12-005- Chrysler -013274

*Model year 1984-2001 vehicles in FARS 1984-2001 with 100,000 or more registered years from Polk NVPP 1984-2001.
Non-Chrysler passenger cars and light trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC.
Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.*

Fatal Vehicle Rates in Rear Impacts

Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks

Fatal Vehicles
Per Million Vehicle Years



Vehicle Models

EA12-005- Chrysler -013275

*Model year 1984-2001 vehicles in FARS 1984-2001 with 100,000 or more registered years from Polk NVPP 1984-2001.
Non-Chrysler passenger cars and light trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC.
Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.*

Fourteen State Accident Databases

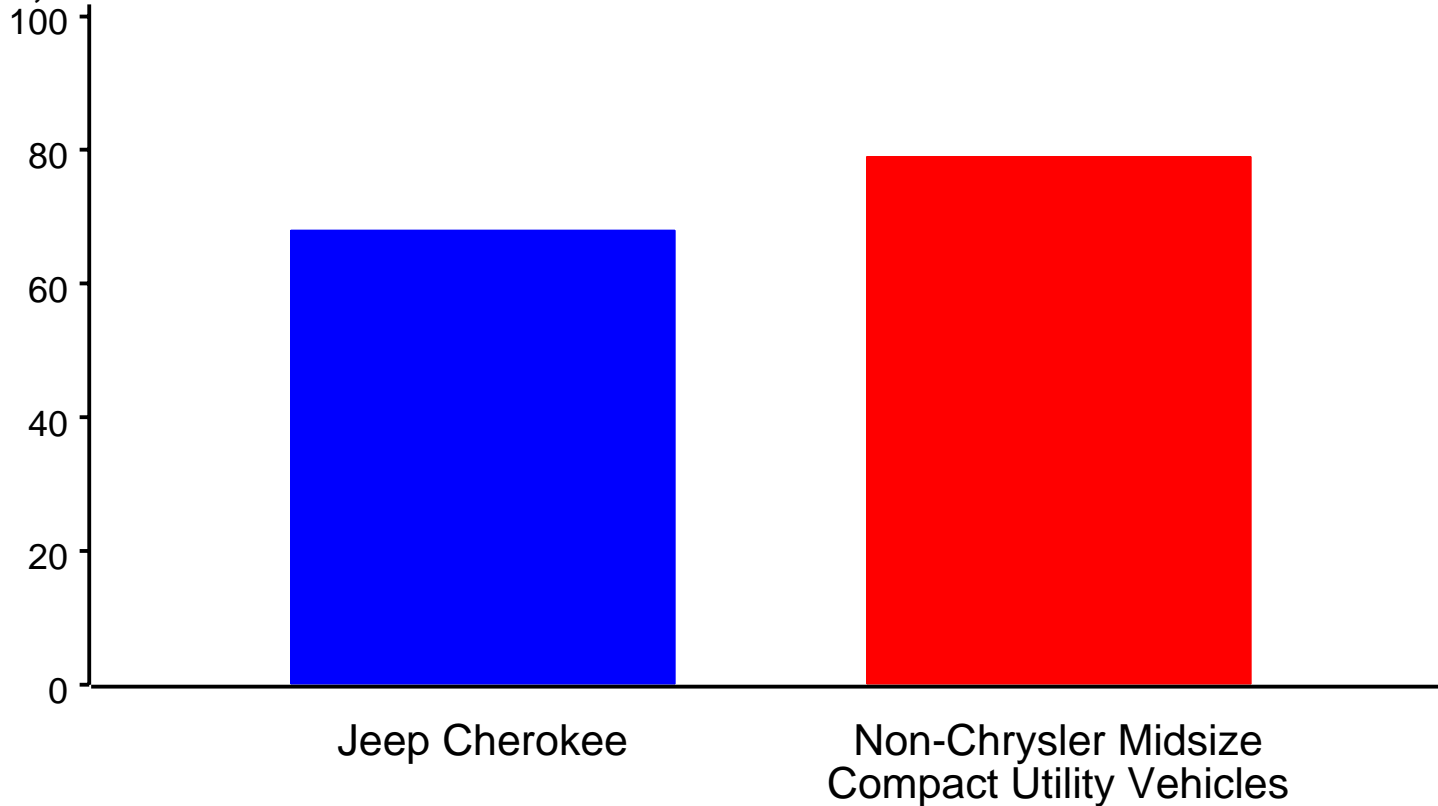
Publicly Available with Vehicle Identification Numbers and Fire Indicators

	<u>Accident Years</u>	<u>All Impacts</u>	<u>Rear Impact</u>
Alabama	1989-2001	●	●
Arkansas	1990-1996	●	●
Florida	1986-2001	●	●
Idaho	1989-2001	●	●
Illinois	1993-1995	●	
Iowa	1990-2000	●	
Maryland	1988-2000	●	●
Michigan	1983-1991	●	●
Nebraska	1993-2000	●	●
New York	1983-2000	●	
North Carolina	1988,1990-1999	●	●
Ohio	1991-1997,1999	●	
Wisconsin	1994-2001	●	
Wyoming	1988-2001	●	●

Fatal or Major Injury Rates

Midsized Compact Utility Vehicles in Injury Accidents

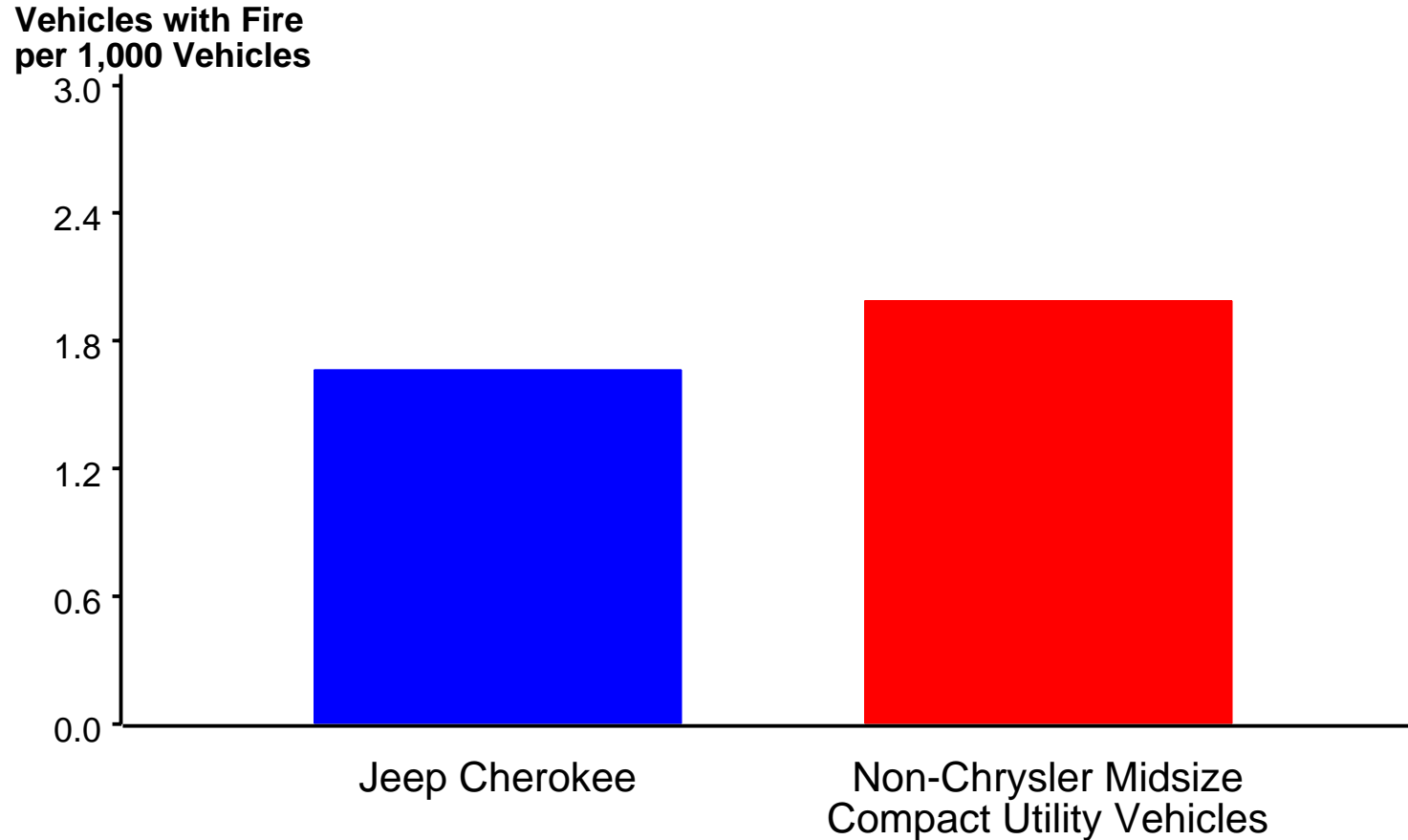
Vehicles with Fatal or Major Injury
per 1,000 Vehicles



Model year 1984-2001 compact utility vehicles in police reported collisions in Alabama, Arkansas, Florida, Idaho, Illinois, Iowa, Maryland, Michigan, Nebraska, New York, North Carolina, Ohio, Wisconsin or Wyoming. EA12-005- Chrysler -013277
Non-Chrysler midsized compact utility vehicles do not include Dodge or Jeep vehicles.
Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.

Post-Collision Fire Rates

Midsized Compact Utility Vehicles in Injury Accidents

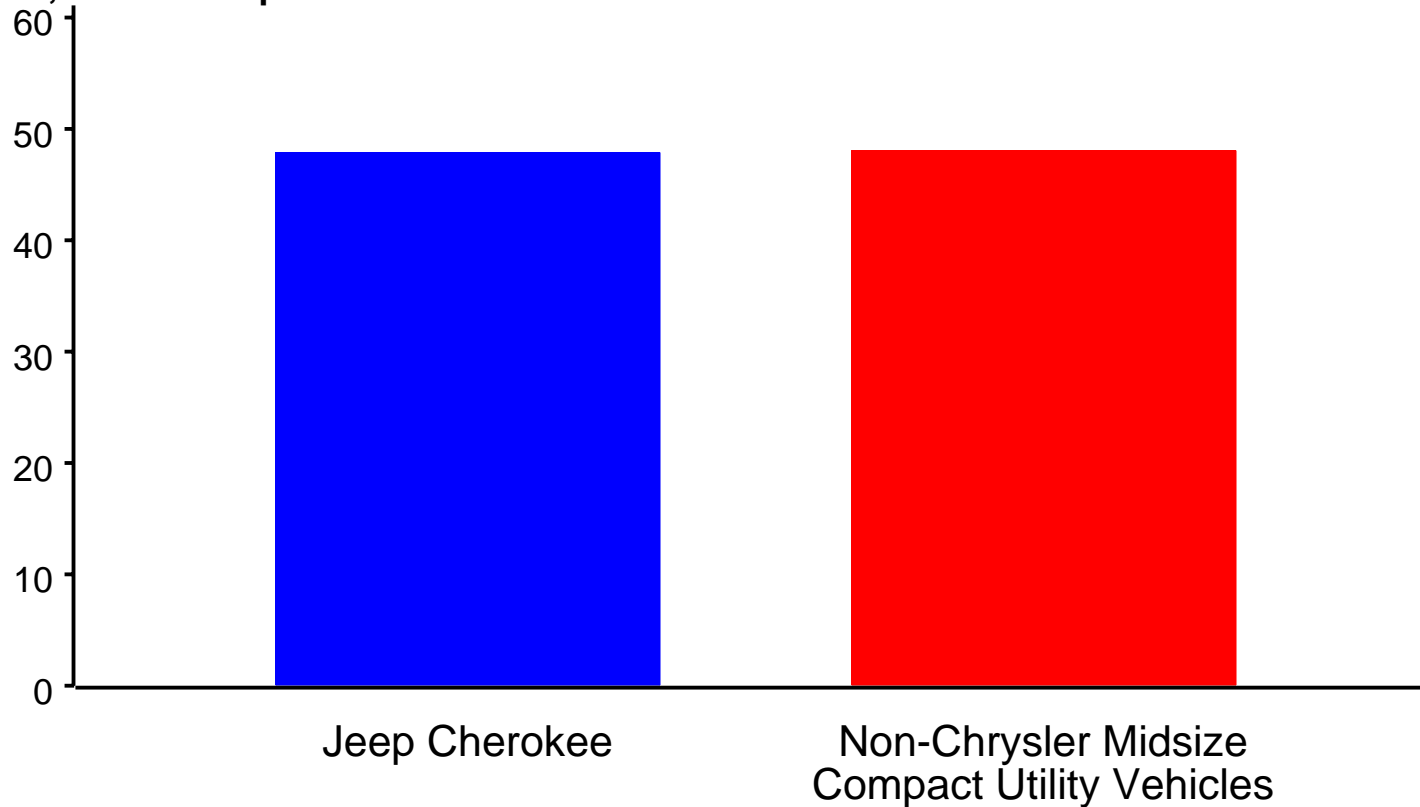


Model year 1984-2001 compact utility vehicles in police reported collisions in Alabama, Arkansas, Florida, Idaho, Illinois, Iowa, Maryland, Michigan, Nebraska, New York, North Carolina, Ohio, Wisconsin or Wyoming.
Non-Chrysler midsized compact utility vehicles do not include Dodge or Jeep vehicles.
Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.

Rear Impact Fatal or Major Injury Rates

Midsized Compact Utility Vehicles in Injury Accidents

Rear Impact Vehicles with Fatal or Major Injury
per 1,000 Rear Impact Vehicles



Model year 1984-2001 compact utility vehicles in police reported collisions in Alabama, Arkansas, Florida, Idaho, Maryland, Michigan, Nebraska, North Carolina or Wyoming.

Non-Chrysler midsized compact utility vehicles do not include Dodge or Jeep vehicles.

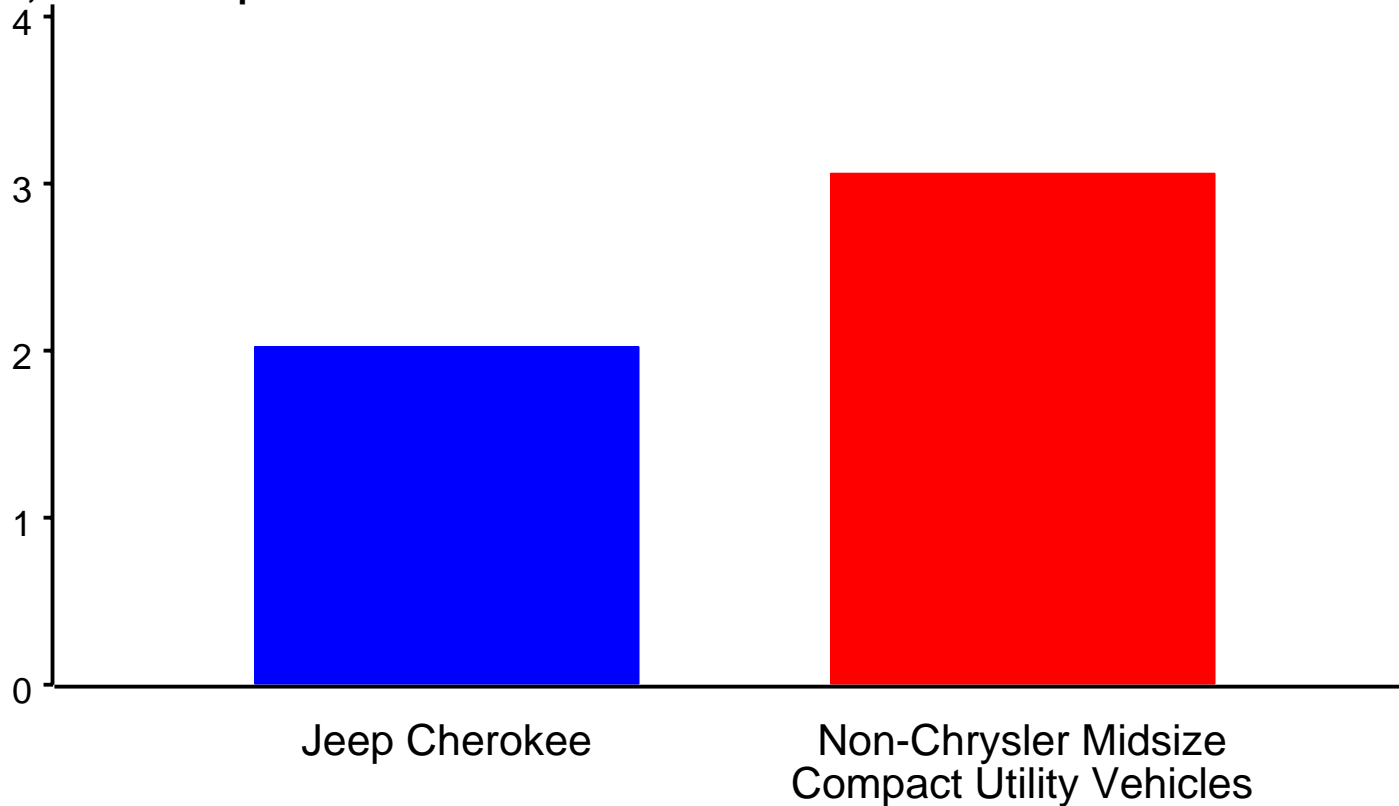
Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.

EA12-005- Chrysler -013279

Rear Impact Post-Collision Fire Rates

Midsized Compact Utility Vehicles in Injury Accidents

Rear Impact Vehicles with Fire
per 1,000 Rear Impact Vehicles



Model year 1984-2001 compact utility vehicles in police reported collisions in Alabama, Arkansas, Florida, Idaho, Maryland, Michigan, Nebraska, North Carolina or Wyoming.

Non-Chrysler midsized compact utility vehicles do not include Dodge or Jeep vehicles.

Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.

EA12-005- Chrysler -013280

Fatal Vehicle Rates in All Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
1	HYUNDAI SCOUPE	326.1	7.8	
2	CHEVROLET TRACKER	319.6	8.8	
3	CHEVROLET CAMARO	313.1	13.6	
4	CHEVROLET SPRINT	307.5	2.4	
5	FORD FESTIVA	286.6	3.9	
6	CHEVROLET CHEVETTE	284.3	8.4	
7	FORD MUSTANG	281.4	12.4	
8	PONTIAC T1000	279.0	7.8	
9	NISSAN 300 ZX	272.3	11.6	
10	CHEVROLET CORVETTE	271.0	32.9	
11	SUZUKI SWIFT/SA310	268.9	8.1	
12	PONTIAC FIREBIRD	267.2	13.4	
13	KIA SEPHIA	266.2	5.3	
14	CHEVROLET METRO	264.7	4.0	
15	ISUZU AMIGO	263.0	9.0	***
16	ISUZU HOMBERE	258.1	11.7	
17	HYUNDAI TIBURON	254.3	16.4	
18	FORD BRONCO II	251.8	11.5	***
19	DAIHATSU CHARADE	248.9	5.7	
20	PONTIAC LEMANS	248.5	10.3	
21	PONTIAC FIERO	248.1	12.0	
22	MERCURY CAPRI	241.6	5.0	
23	FORD ASPIRE	241.2	4.4	
24	SUBARU JUSTY	240.6	3.5	
25	MITSUBISHI 3000GT	236.5	12.4	
26	CHEVROLET SPECTRUM	236.5	2.5	
27	MITSUBISHI STARION	234.2	10.8	
28	CHEVROLET BERETTA	231.5	5.0	
29	TOYOTA ECHO	231.2	8.9	
30	CHEVROLET STORM	229.0	5.6	
31	HYUNDAI ACCENT	227.8	2.9	
32	CHEVROLET S/T PICKUP	226.4	10.1	
33	RENAULT ENCORE	224.2	3.2	
34	MERCURY TRACER	222.2	4.5	
35	MAZDA RX7	221.8	21.2	
36	GMC S/T PICKUP	221.6	14.2	
37	SUBARU BRAT	218.4	0.0	
38	MAZDA MX-3	216.9	8.0	
39	VOLKSWAGEN GTI	216.7	6.9	
40	MITSUBISHI PRECIS	216.4	5.3	
41	ISUZU I-MARK	215.0	5.5	
42	HYUNDAI EXCEL	214.5	8.6	

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee

Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC

Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in All Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
43	YUGO GV	212.5	1.8	
44	NISSAN 200 SX	212.0	15.1	
45	BMW M3	211.9	14.8	
46	NISSAN PICKUP	211.9	5.1	
47	TOYOTA PICKUP	211.5	4.4	
48	MINISUBISHI CORDIA	211.5	2.5	
49	SUZUKI SAMURAI	210.6	3.7	
50	CHEVROLET CITATION	210.0	8.6	
51	FORD RANGER	209.6	7.7	
52	TOYOTA MR2	209.1	14.0	
53	GMC SONOMA	208.7	7.0	
54	FORD ESCORT	204.8	3.6	
55	VOLKSWAGEN SCIROCCO	202.7	11.2	
56	FORD PROBE	201.4	7.9	
57	HONDA PASSPORT	200.6	4.2	***
58	HYUNDAI ELANTRA	200.6	6.7	
59	CHEVROLET CAVALIER	200.3	5.6	
60	CHEVROLET PRIZM	199.8	3.7	
61	MINISUBISHI MIGHTY MAX	199.4	4.8	
62	MAZDA PROTEGE	198.7	3.0	
63	PONTIAC J2000/SUNBIRD	197.7	5.7	
64	TOYOTA SUPRA	197.5	8.2	
65	MINISUBISHI ECLIPSE	197.4	11.1	
66	ISUZU STYLUS	197.4	13.2	
67	ISUZU PICKUP	196.9	3.7	
68	RENAULT ALLIANCE	196.1	6.5	
69	MERCURY LYNX	195.0	4.4	
70	TOYOTA 4 RUNNER	192.7	2.9	***
71	ISUZU IMPULSE	190.7	19.3	
72	KIA SPORTAGE	189.9	4.3	***
73	VOLKSWAGEN CORRADO	189.6	0.0	
74	CHEVROLET TRACKER	189.3	0.0	***
75	ISUZU RODEO	188.9	6.3	***
76	SUZUKI SIDEKICK	188.0	5.6	
77	CHEVROLET MONTE CARLO	185.8	9.2	
78	MERCURY COUGAR FWD	180.3	0.0	
79	MAZDA GLC	180.0	10.1	
80	GMC S/T JIMMY	179.4	7.5	
81	GMC CABALLERO	178.3	14.9	
82	OLDSMOBILE OMEGA	178.2	3.8	
83	MERCURY TOPAZ	176.8	7.3	
84	CHEVROLET NOVA	176.5	4.4	

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in All Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire
85	MINISUBISHI MIRAGE	176.2	4.9
86	HYUNDAI SONATA	175.9	5.7
87	CHEVROLET S/T BLAZER	175.7	9.8
88	FORD TEMPO	173.5	7.1
89	OLDSMOBILE CALAIS	172.3	5.6
90	BUICK SKYHAWK	172.2	4.1
91	PONTIAC GRAND AM	171.0	5.1
92	CHEVROLET CORSICA	170.5	4.0
93	PONTIAC PHOENIX	170.4	0.0
94	NISSAN PULSAR	169.7	4.4
95	MERCURY MYSTIQUE	169.4	2.6
96	NISSAN 200 SX/240 SX	169.0	8.4
97	OLDSMOBILE FIRENZA	168.7	6.3
98	TOYOTA TERCEL	168.1	4.5
99	BUICK SKYLARK	167.9	4.3
100	MINISUBISHI VAN	166.8	8.3
101	TOYOTA PASEO	165.2	1.2
102	TOYOTA TACOMA	165.1	4.2
103	NISSAN SENTRA	163.6	3.4
104	CHEVROLET CELEBRITY	163.4	4.8
105	MAZDA MX-6	162.2	6.5
106	CHEVROLET IMPALA	162.1	6.6
107	ACURA INTEGRA	162.1	4.5
108	FORD CONTOUR	162.0	2.2
109	CHEVROLET BLAZER	161.4	6.9
110	PONTIAC GRAND PRIX	160.7	8.7
111	SUBARU XT6	159.7	7.3
112	BUICK CENTURY	159.7	3.6
113	FORD THUNDERBIRD	159.5	6.4
114	CHEVROLET S/T BLAZER	159.4	8.6
115	MINISUBISHI MONTERO	158.8	3.7
116	SUZUKI ESTEEM	157.8	0.0
117	MAZDA 323	157.7	4.6
118	VOLKSWAGEN RABBIT	157.6	4.8
119	OLDSMOBILE BRAVADA	157.6	10.2
120	OLDSMOBILE ACHIEVA	157.5	4.1
121	MERCURY COUGAR	156.1	6.5
122	NISSAN PATHFINDER	155.9	5.1
123	MAZDA B-SERIES PICKUP	155.8	3.6
124	HONDA PRELUDE	155.0	3.6
125	NISSAN NX	154.4	4.7
126	TOYOTA VAN WAGON	153.9	4.4

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in All Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
127	OLDSMOBILE CUTLASS CIERA	152.7	3.6	
128	PORSCHE 924	152.5	0.0	
129	FORD LTD	152.0	4.8	
130	HONDA CIVIC	151.2	3.6	
131	GMC JIMMY	150.7	4.3	
132	CHEVROLET C/K PICKUP	150.5	8.4	
133	BUICK SOMERSET	150.2	3.7	
134	FORD ESCAPE	149.4	0.0	***
135	SUBARU	149.3	2.0	
136	BMW 325	148.9	11.3	
137	PONTIAC 6000	148.9	5.2	
138	MERKUR XR4TI	146.3	2.3	
139	CHEVROLET LUMINA	145.6	5.8	
140	MAZDA NAVAJA	145.0	6.6	***
141	CADILLAC CIMARRON	143.0	3.7	
142	LAND ROVER DISCOVERY	142.8	8.1	***
143	MAZDA 929	142.1	4.5	
144	NISSAN STANZA	141.7	3.3	
145	NISSAN AXCESS	141.7	0.0	
146	LINCOLN MARK VIII	140.8	7.8	
147	PORSCHE 928	140.8	5.9	
148	PORSCHE 944	140.6	8.5	
149	MITSUBISHI TREDIA	140.0	4.5	
150	GMC C/K PICKUP	139.4	7.3	
151	TOYOTA CELICA	139.3	4.5	
152	STERLING 825	139.1	3.6	
153	OLDSMOBILE SUPREME	139.0	4.9	
154	LINCOLN MARK VII	138.1	8.9	
155	TOYOTA COROLLA	137.9	2.6	
156	SUBARU LOYALE	137.7	1.8	
157	OLDSMOBILE OLDS 98	137.4	5.3	
158	AUDI 4000	137.1	1.1	
159	CHEVROLET EL CAMINO	136.8	6.1	
160	FORD EXCURSION	136.0	0.0	
161	MITSUBISHI EXPO	135.6	2.7	
162	BUICK REGAL	135.3	5.9	
163	TOYOTA T100	135.0	4.9	
164	FORD FOCUS	134.6	3.0	
165	BMW 318	132.6	7.0	
166	GMC S/T JIMMY	131.4	9.5	***
167	OLDSMOBILE DELTA 88	131.0	4.5	
168	CHEVROLET R/V PICKUP	130.9	10.3	

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in All Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire
169	OLDSMOBILE ALERO	130.8	4.8
170	FORD CROWN VICTORIA	130.6	4.9
171	SUBARU XT	130.2	9.5
172	OLDSMOBILE TORONADO	130.0	13.0
173	MERKUR SCORPIO	129.5	8.4
174	FORD EXPLORER	128.9	3.7
175	VOLKSWAGEN GOLF	128.9	3.2
176	BUICK LESABRE	128.2	3.9
177	AUDI 80	128.2	0.0
178	NISSAN FRONTIER	128.1	3.0
179	SATURN SC	128.1	1.6
180	VOLKSWAGEN QUANTUM	127.8	3.1
181	CHEVROLET CAPRICE	127.5	6.1
182	VOLKSWAGEN FOX	127.3	2.6
183	MITSUBISHI GALANT	126.5	6.1
184	BUICK ELECTRA	126.1	4.8
185	INFINITI G20	125.6	1.2
186	OLDSMOBILE SILHOUETTE	125.6	6.3
187	CHEVROLET LUMINA APV	124.1	7.6
188	SUBARU IMPREZA	123.7	3.3
189	MERCURY MARQUIS	122.9	3.1
190	MAZDA 626	122.4	3.8
191	SUBARU LEGACY	122.1	3.5
192	BUICK SOMERSET REGAL	120.8	4.8
193	BMW 635	120.6	6.7
194	SATURN SL	119.2	1.9
195	NISSAN MAXIMA	118.9	3.6
196	FERRARI	117.9	45.4
197	FORD F-SERIES PICKUP	116.6	7.2
198	HONDA ACCORD	116.4	3.1
199	FORD TAURUS	115.4	3.7
200	SUZUKI GRAND VITARA	115.1	14.4
201	PONTIAC BONNEVILLE	114.6	4.2
202	BUICK PARK AVENUE	114.4	4.4
203	MERCURY SABLE	114.4	2.5
204	GMC YUKON/DENALI	112.7	3.7
205	FORD AEROSTAR	112.4	3.8
206	CADILLAC ALLANTE	112.3	4.9
207	BUICK ROADMASTER	112.0	2.6
208	CADILLAC FLEETWOOD/LIMO	111.7	2.7
209	NISSAN VAN	111.6	15.9
210	PORSCHE 911	110.8	16.4

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in All Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVFP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire
211	PONTIAC PARISIENNE	110.3	6.1
212	MAZDA MPV	109.8	3.8
213	CHEVROLET MALIBU LS	109.6	2.1
214	OLDSMOBILE CUTLASS	109.4	6.8
215	FORD BRONCO (FULL SIZE)	109.4	8.5
216	PONTIAC TRANS SPORT	108.9	5.3
217	TOYOTA CRESSIDA	108.6	4.2
218	CHEVROLET ASTRO	108.3	2.5
219	OLDSMOBILE INTRIGUE	107.8	4.0
220	VOLKSWAGEN JETTA	107.1	2.4
221	MAZDA MILLENIA	106.8	10.5
222	SATURN SW	106.7	0.0
223	NISSAN ALTIMA	106.2	2.4
224	MITSUBISHI DIAMANTE	105.6	1.2
225	TOYOTA TUNDRA	105.4	0.0
226	ACURA VIGOR	105.2	2.7
227	GMC R/V PICKUP	105.2	5.8
228	LAND ROVER RANGE ROVER	104.8	9.7
229	LINCOLN TOWN CAR	103.4	3.5
230	CADILLAC DEVILLE	102.7	2.8
231	ACURA LEGEND	102.4	4.3
232	MAZDA MIATA	102.3	1.6
233	GMC SAFARI	102.2	2.9
234	CADILLAC FLEETWOOD	101.5	2.9
235	VOLKSWAGEN CABRIOLET	101.3	3.0
236	BUICK RIVIERA	99.6	6.2
237	MERCURY MOUNTAINEER	99.4	3.2
238	BUICK REATTA	99.2	8.6
239	ACURA CL	97.5	0.0
240	CHEVROLET TAHOE	97.4	4.7
241	ISUZU TROOPER	96.3	2.7
242	AUDI 5000	96.0	5.7
243	BMW Z3	95.7	3.5
244	TOYOTA CAMRY	95.0	2.5
245	FORD EXPEDITION	94.2	3.7
246	GMC SUBURBAN	93.3	3.0
247	JEEP CHEROKEE	92.7	4.4
248	LINCOLN NAVIGATOR	92.3	5.1
249	OLDSMOBILE LSS	91.9	0.0
250	PONTIAC SAFARI	91.8	3.8
251	ISUZU TROOPER	91.5	3.0
252	BMW 750	91.3	13.0

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in All Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
253	CADILLAC ELDORADO	91.2	2.9	
254	JAGUAR XJS/XK8	90.2	4.9	
255	PONTIAC MONTANA	89.0	10.3	
256	CHEVROLET SUBURBAN	88.9	3.4	
257	CADILLAC SEVILLE	87.3	2.7	
258	OLDSMOBILE BRAVADA	87.0	7.5	***
259	LINCOLN CONTINENTAL	87.0	3.3	
260	BMW 540	86.6	0.0	
261	BMW 535	85.9	3.5	
262	TOYOTA RAV4	85.7	1.0	***
263	SAAB 900	85.2	5.8	
264	SUBARU SVX	85.1	9.5	
265	BMW 735	84.3	3.0	
266	CHEVROLET VENTURE	84.0	6.7	
267	LEXUS SC300/400	83.8	3.3	
268	PEUGEOT 505	83.6	2.6	
269	INFINITI Q45	83.2	1.3	
270	MERCEDES BENZ 190	80.9	0.9	
271	AUDI 90	79.5	0.0	
272	FORD E-SERIES VAN	79.5	3.7	
273	VOLKSWAGEN PASSAT	78.7	3.2	
274	GMC SAVANA	78.1	2.2	
275	CHEVROLET G-SERIES VAN	76.7	3.4	
276	LEXUS GS300/400	76.4	3.6	
277	OLDSMOBILE AURORA	75.4	1.4	
278	BMW 733	74.3	6.8	
279	CADILLAC CATERA	74.3	3.7	
280	TOYOTA LAND CRUISER	74.2	3.0	
281	NISSAN XTERRA	74.2	4.1	***
282	AUDI 100	72.4	4.8	
283	VOLKSWAGEN VANAGON	72.2	2.8	
284	MERCURY VILLAGER	72.0	3.1	
285	SATURN LS	71.9	0.0	
286	TOYOTA PREVIA	71.9	3.0	
287	TOYOTA AVALON	69.6	2.8	
288	INFINITI M30	69.6	0.0	
289	BMW 328	68.7	4.6	
290	INFINITI J30	67.9	0.0	
291	MERCEDES BENZ 560	67.8	13.9	
292	GMC G-SERIES VAN	67.6	2.6	
293	MERCEDES BENZ SL	67.4	4.5	
294	SAAB 9000	67.1	1.9	

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in All Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
295	GMC P-SERIES VAN	66.1	0.0	
296	MERCEDES BENZ 500	65.6	0.0	
297	BMW 528	65.4	4.3	
298	BMW 525	64.2	3.4	
299	FORD WINDSTAR	64.2	1.3	
300	SUBARU FORESTER	63.5	2.6	***
301	AUDI	63.4	0.0	
302	VOLVO 244	62.1	3.1	
303	LEXUS ES250/300	62.1	4.5	
304	VOLKSWAGEN NEW BEETLE	62.0	3.8	
305	NISSAN QUEST	61.4	2.9	
306	JAGUAR XJ	61.0	2.9	
307	MITSUBISHI SIGMA	60.7	15.2	
308	MERCEDES BENZ CLK	59.5	0.0	
309	VOLVO 760/780	59.3	1.0	
310	HONDA CR-V	58.8	1.9	***
311	MERCEDES BENZ 400/500E	58.5	0.0	
312	MERCEDES BENZ 300	58.4	2.6	
313	MERCEDES BENZ 260	58.4	0.0	
314	INFINITI I30	58.0	1.7	
315	VOLVO 960	57.9	4.5	
316	BMW 740	56.3	9.7	
317	ACURA TL	55.8	1.5	
318	LEXUS LS400	54.7	3.1	
319	AUDI A4	53.9	2.4	
320	BMW 323	53.8	4.1	
321	VOLVO 940	53.2	1.3	
322	VOLKSWAGEN CABRIO	51.4	0.0	
323	PORSCHE BOXSTER	50.1	0.0	
324	MERCEDES BENZ M-SERIES	49.9	2.6	***
325	CHEVROLET P-SERIES VAN	49.1	3.4	
326	VOLVO 740	48.2	1.6	
327	MERCEDES BENZ 420	48.0	4.0	
328	ALFA ROMEO VELOCE	48.0	8.0	
329	MERCEDES BENZ C	47.1	1.1	
330	MERCEDES BENZ E	45.8	0.9	
331	LEXUS RX300	45.7	0.0	***
332	MERCEDES BENZ SLK	45.4	0.0	
333	MERCEDES BENZ 380	43.0	1.8	
334	TOYOTA SIENNA	42.8	1.3	
335	MERCEDES BENZ S	41.9	3.5	
336	VOLVO 240	40.8	1.0	

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in All Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire
337	TOYOTA SOLARA	40.6	3.7
338	VOLVO 80 SERIES	39.4	13.1
339	VOLVO 245	39.2	0.6
340	VOLVO 850	36.8	0.0
341	INFINITI QX4	36.4	0.0
342	HONDA ODYSSEY	36.3	1.2
343	ALFA ROMEO SPIDER	35.1	0.0
344	AUDI A6	34.3	6.2
345	VOLVO 70 SERIES	30.9	1.3
346	BMW 530	28.1	0.0
347	VOLKSWAGEN EUROVAN	27.5	0.0
348	SAAB 9-3	27.4	0.0
349	ACURA RL	15.4	3.8

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in Rear Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
1	FORD ESCAPE	16.6	0.0	***
2	HYUNDAI TIBURON	16.4	0.0	
3	MAZDA RX7	15.4	3.1	
4	CHEVROLET SPRINT	14.7	0.0	
5	MAZDA GLC	14.3	2.5	
6	MINISUBISHI 3000GT	14.2	5.3	
7	CHEVROLET CORVETTE	13.2	1.3	
8	ISUZU STYLUS	13.2	0.0	
9	TOYOTA PASEO	12.9	0.0	
10	HYUNDAI SCOUPE	12.5	0.0	
11	ISUZU IMPULSE	12.4	4.1	
12	VOLKSWAGEN CABRIOLET	11.9	1.0	
13	CHEVROLET CAMARO	11.9	0.8	
14	PORSCHE 928	11.7	0.0	
15	PONTIAC T1000	11.7	1.3	
16	CHEVROLET TRACKER	11.5	0.0	***
17	HYUNDAI ELANTRA	11.4	1.6	
18	CHEVROLET METRO	10.9	0.2	
19	MINISUBISHI STARION	10.8	0.0	
20	NISSAN 300 ZX	10.6	0.5	
21	KIA SEPHIA	10.5	0.0	
22	SUBARU JUSTY	10.4	0.0	
23	FORD MUSTANG	9.8	1.5	
24	CHEVROLET CHEVETTE	9.4	1.9	
25	BMW 530	9.4	0.0	
26	SUZUKI SIDEKICK	9.3	2.8	
27	PONTIAC FIREBIRD	9.1	0.9	
28	INFINITI QX4	9.1	0.0	***
29	TOYOTA ECHO	8.9	0.0	
30	FORD FESTIVA	8.8	0.3	
31	MINISUBISHI ECLIPSE	8.7	1.6	
32	HYUNDAI ACCENT	8.6	0.0	
33	DAIHATSU CHARADE	8.5	0.0	
34	NISSAN 200 SX/240 SX	8.4	1.7	
35	OLDSMOBILE LSS	8.4	0.0	
36	MINISUBISHI VAN	8.3	0.0	
37	VOLKSWAGEN GTI	8.3	0.0	
38	MAZDA MX-3	8.0	0.0	
39	ALFA ROMEO VELOCE	8.0	8.0	
40	VOLKSWAGEN SCIROCCO	8.0	0.0	
41	NISSAN VAN	8.0	4.0	
42	SUZUKI SAMURAI	8.0	0.0	

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in Rear Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire
43	CHEVROLET TRACKER	7.9	1.8
44	RENAULT ALLIANCE	7.7	1.2
45	MERCURY MYSTIQUE	7.7	0.0
46	LINCOLN MARK VII	7.6	0.9
47	OLDSMOBILE OMEGA	7.6	0.0
48	GMC CABALLERO	7.4	0.0
49	CADILLAC CATERA	7.4	0.0
50	NISSAN 200 SX	7.3	1.8
51	BUICK SOMERSET REGAL	7.2	0.0
52	NISSAN SENTRA	7.2	0.4
53	SUZUKI GRAND VITARA	7.2	7.2 ***
54	CHEVROLET STORM	7.2	0.0
55	CHEVROLET SPECTRUM	7.1	0.3
56	BMW 23	7.1	0.0
57	MAZDA PROTEGE	7.0	0.0
58	ACURA INTEGRA	7.0	0.5
59	MERCURY CAPRI	7.0	0.0
60	MAZDA MILLENIA	7.0	0.0
61	CHEVROLET CITATION	6.8	0.0
62	VOLKSWAGEN CORRADO	6.8	0.0
63	MERCURY TRACER	6.6	0.0
64	BUICK CENTURY	6.6	0.3
65	JAGUAR XJS/XK8	6.6	1.6
66	HONDA PRELUDE	6.6	0.6
67	AUDI 4000	6.5	0.0
68	INFINITI J30	6.5	0.0
69	BUICK SKYLARK	6.4	0.4
70	FORD PROBE	6.4	0.5
71	OLDSMOBILE ALERO	6.4	0.0
72	AUDI	6.3	0.0
73	TOYOTA MR2	6.3	2.1
74	MERCURY TOFAZ	6.3	0.2
75	MERCURY LYNX	6.3	0.0
76	CHEVROLET PRIZM	6.3	0.3
77	OLDSMOBILE FIRENZA	6.3	0.0
78	HONDA CIVIC	6.3	0.3
79	MERCURY COUGAR FWD	6.2	0.0
80	FORD ESCORT	6.2	0.1
81	CHEVROLET NOVA	6.1	0.0
82	CHEVROLET CAVALIER	6.1	0.2
83	TOYOTA SUPRA	5.9	0.9
84	SUBARU BRAT	5.9	0.0

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in Rear Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire
85	PONTIAC J2000/SUNBIRD	5.9	0.5
86	PONTIAC PHOENIX	5.9	0.0
87	ISUZU HOMBRE	5.9	0.0
88	MITSUBISHI MIRAGE	5.8	1.2
89	TOYOTA VAN WAGON	5.8	0.4
90	MAZDA 323	5.8	0.0
91	FORD CROWN VICTORIA	5.8	1.2
92	CHEVROLET BERETTA	5.8	0.1
93	PONTIAC GRAND AM	5.8	0.3
94	HYUNDAI SONATA	5.7	0.6
95	VOLKSWAGEN FOX	5.7	0.0
96	CHEVROLET CELEBRITY	5.6	0.5
97	HONDA CR-V	5.6	0.9
98	CADILLAC CIMARRON	5.5	0.9
99	OLDSMOBILE SILHOUETTE	5.5	0.0
100	RENAULT ENCORE	5.5	1.6
101	PONTIAC FIERO	5.5	0.8
102	FORD ASPIRE	5.5	0.0
103	PONTIAC 6000	5.4	0.4
104	BUICK SOMERSET	5.4	0.3
105	MITSUBISHI PRECIS	5.3	0.0
106	MAZDA MIATA	5.3	0.0
107	HYUNDAI EXCEL	5.3	0.4
108	ACURA CL	5.3	0.0
109	YUGO GV	5.3	0.0
110	SUZUKI ESTEEM	5.3	0.0
111	FORD CONTOUR	5.2	0.0
112	FORD THUNDERBIRD	5.2	0.9
113	OLDSMOBILE CALAIS	5.2	0.2
114	LINCOLN NAVIGATOR	5.1	2.6
115	TOYOTA TERCEL	5.1	0.2
116	OLDSMOBILE CUTLASS CIERA	5.0	0.3
117	MAZDA MPV	5.0	0.4
118	CHEVROLET MALIBU LS	5.0	0.4
119	FORD TEMPO	5.0	0.2
120	OLDSMOBILE OLDS 98	5.0	0.1
121	TOYOTA CELICA	5.0	0.2
122	MITSUBISHI CORDIA	5.0	2.5
123	NISSAN PULSAR	5.0	0.3
124	BUICK LESABRE	5.0	0.4
125	SATURN SL	4.9	0.2
126	LEXUS SC300/400	4.9	0.0

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in Rear Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire
127	AUDI 100	4.8	0.0
128	SATURN LS	4.8	0.0
129	CHEVROLET VENTURE	4.8	0.0
130	VOLKSWAGEN RABBIT	4.8	0.0
131	MAZDA MX-6	4.8	0.4
132	TOYOTA COROLLA	4.8	0.1
133	VOLKSWAGEN VANAGON	4.7	0.0
134	PONTIAC PARISIENNE	4.7	0.4
135	CHEVROLET CORSICA	4.7	0.1
136	BUICK REGAL	4.7	0.1
137	CHEVROLET LUMINA	4.6	0.3
138	OLDSMOBILE DELTA 88	4.6	0.4
139	ISUZU I-MARK	4.6	0.0
140	MERCEDES BENZ 500	4.5	0.0
141	MITSUBISHI TREDIA	4.5	0.0
142	MERKUR XR4TI	4.5	0.0
143	PONTIAC GRAND PRIX	4.5	0.4
144	PONTIAC LEMANS	4.5	0.4
145	SUBARU LOYALE	4.5	0.0
146	MAZDA 626	4.4	0.4
147	SUBARU IMPREZA	4.3	0.0
148	BUICK REATTA	4.3	0.0
149	FORD LTD	4.3	0.7
150	KIA SPORTAGE	4.3	0.0
151	PORSCHE 944	4.2	0.0
152	BMW 323	4.1	4.1
153	MERCURY COUGAR	4.1	0.3
154	VOLKSWAGEN GOLF	4.1	0.3
155	CHEVROLET CAPRICE	4.1	0.7
156	CADILLAC FLEETWOOD/LIMO	4.1	0.0
157	CHEVROLET MONTE CARLO	4.1	0.1
158	OLDSMOBILE INTRIGUE	4.0	0.0
159	NISSAN QUEST	4.0	0.0
160	TOYOTA SIENNA	4.0	0.0
161	PONTIAC BONNEVILLE	4.0	0.8
162	MITSUBISHI MIGHTY MAX	4.0	0.0
163	BUICK ROADMASTER	3.9	0.7
164	BMW 325	3.9	0.0
165	LINCOLN MARK VIII	3.9	0.0
166	NISSAN MAXIMA	3.9	0.1
167	TOYOTA TUNDRA	3.9	0.0
168	VOLVO 940	3.9	0.0

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in Rear Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire
169	VOLVO 70 SERIES	3.9	0.0
170	MERCURY MARQUIS	3.9	0.4
171	BUICK RIVIERA	3.8	0.6
172	GMC SONOMA	3.8	0.3
173	PONTIAC SAFARI	3.8	0.0
174	HONDA ACCORD	3.8	0.3
175	BMW 318	3.8	0.0
176	CADILLAC FLEETWOOD	3.8	0.0
177	MAZDA 929	3.8	0.0
178	SUBARU	3.7	0.3
179	PONTIAC TRANS SPORT	3.7	0.0
180	INFINITI G20	3.7	0.0
181	OLDSMOBILE ACHIEVA	3.7	0.9
182	BUICK SKYHAWK	3.7	0.7
183	ISUZU PICKUP	3.7	0.2
184	FORD WINDSTAR	3.6	0.4
185	TOYOTA CAMRY	3.6	0.1
186	OLDSMOBILE SUPREME	3.6	0.3
187	MERCEDES BENZ 300	3.6	0.8
188	FORD TAURUS	3.6	0.2
189	MITSUBISHI DIAMANTE	3.6	0.0
190	MITSUBISHI GALANT	3.5	0.3
191	LINCOLN TOWN CAR	3.5	0.6
192	NISSAN PATHFINDER	3.5	0.7
193	CHEVROLET EL CAMINO	3.5	0.0
194	MERCEDES BENZ S	3.5	0.0
195	GMC P-SERIES VAN	3.5	0.0
196	BUICK ELECTRA	3.4	0.4
197	TOYOTA AVALON	3.4	0.0
198	CADILLAC SEVILLE	3.4	0.0
199	OLDSMOBILE TORONADO	3.4	0.0
200	MERCEDES BENZ C	3.4	0.0
201	SATURN SC	3.2	0.0
202	NISSAN ALTIMA	3.2	0.2
203	GMC S/T JIMMY	3.2	0.0
204	MERCURY SABLE	3.2	0.2
205	ACURA LEGEND	3.2	0.2
206	NISSAN PICKUP	3.2	0.0
207	TOYOTA CRESSIDA	3.1	0.0
208	AUDI A6	3.1	0.0
209	CHEVROLET S/T PICKUP	3.1	0.2
210	BUICK PARK AVENUE	3.1	0.3

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in Rear Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
211	VOLVO 244	3.1	0.3	
212	MERCURY VILLAGER	3.1	0.9	
213	TOYOTA RAV4	3.0	0.0	***
214	FORD FOCUS	3.0	0.0	
215	FORD AEROSTAR	3.0	0.2	
216	VOLVO 760/780	3.0	0.0	
217	VOLKSWAGEN JETTA	3.0	0.3	
218	BMW 735	3.0	0.0	
219	CHEVROLET IMPALA	3.0	0.0	
220	MAZDA B-SERIES PICKUP	2.9	0.0	
221	SAAB 900	2.9	0.3	
222	SUBARU LEGACY	2.9	0.0	
223	SAAB 9000	2.9	0.0	
224	GMC SAFARI	2.9	0.2	
225	OLDSMOBILE AURORA	2.8	0.0	
226	CADILLAC DEVILLE	2.7	0.1	
227	LAND ROVER DISCOVERY	2.7	0.0	***
228	SUZUKI SWIFT/SA310	2.7	0.0	
229	MITSUBISHI EXPO	2.7	0.0	
230	SUBARU FORESTER	2.6	0.0	***
231	MERCEDES BENZ E	2.6	0.0	
232	FORD BRONCO II	2.6	0.3	***
233	NISSAN STANZA	2.6	0.5	
234	TOYOTA 4 RUNNER	2.6	0.2	***
235	MERCEDES BENZ M-SERIES	2.6	0.0	***
236	AUDI 5000	2.6	0.4	
237	PEUGEOT 505	2.6	1.3	
238	CHEVROLET S/T BLAZER	2.6	0.4	
239	TOYOTA PICKUP	2.6	0.2	
240	OLDSMOBILE BRAVADA	2.5	0.0	
241	CHEVROLET P-SERIES VAN	2.5	0.8	
242	PORSCHE 911	2.5	2.5	
243	TOYOTA PREVIA	2.4	0.0	
244	CHEVROLET ASTRO	2.4	0.1	
245	JAGUAR XJ	2.4	0.0	
246	CHEVROLET TAHOE	2.4	0.0	
247	HONDA ODYSSEY	2.3	0.0	
248	MERCEDES BENZ 190	2.3	0.0	
249	VOLVO 245	2.3	0.0	
250	FORD RANGER	2.3	0.1	
251	OLDSMOBILE CUTLASS	2.3	0.0	
252	ISUZU AMIGO	2.2	0.0	***

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in Rear Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
253	GMC SAVANA	2.2	0.0	
254	FORD EXPLORER	2.2	0.0	***
255	TOYOTA TACOMA	2.1	0.3	
256	CHEVROLET C/K PICKUP	2.1	0.1	
257	VOLVO 240	2.0	1.0	
258	LEXUS ES250/300	2.0	0.4	
259	VOLVO 850	2.0	0.0	
260	CHEVROLET LUMINA APV	2.0	0.0	
261	GMC S/T PICKUP	1.9	0.3	
262	VOLKSWAGEN NEW BEETLE	1.9	0.0	
263	FORD E-SERIES VAN	1.9	0.1	
264	CADILLAC ELDORADO	1.9	0.4	
265	GMC YUKON/DENALI	1.9	0.0	
266	JEEP CHEROKEE	1.9	0.3	
267	VOLVO 740	1.8	0.0	
268	GMC C/K PICKUP	1.8	0.1	
269	FORD F-SERIES PICKUP	1.8	0.2	
270	BMW 535	1.8	0.0	
271	ISUZU TROOPER	1.7	0.4	
272	BMW 528	1.7	0.0	
273	INFINITI I30	1.7	0.0	
274	VOLKSWAGEN PASSAT	1.6	0.0	
275	CHEVROLET BLAZER	1.6	0.0	
276	MERCURY MOUNTAINEER	1.6	0.0	***
277	VOLKSWAGEN QUANTUM	1.5	0.0	
278	GMC G-SERIES VAN	1.5	0.0	
279	ACURA TL	1.5	0.0	
280	SATURN SW	1.4	0.0	
281	GMC JIMMY	1.4	0.0	
282	CHEVROLET G-SERIES VAN	1.4	0.2	
283	ISUZU TROOPER	1.4	0.0	***
284	SUBARU XT	1.4	0.0	
285	INFINITI Q45	1.3	0.0	
286	MERCEDES BENZ 420	1.3	0.0	
287	CHEVROLET R/V PICKUP	1.3	0.0	
288	LINCOLN CONTINENTAL	1.2	0.0	
289	BMW 525	1.1	0.0	
290	GMC S/T JIMMY	1.1	1.1	***
291	ISUZU RODEO	1.1	0.4	***
292	CHEVROLET SUBURBAN	1.1	0.0	
293	TOYOTA LAND CRUISER	1.0	1.0	
294	GMC SUBURBAN	0.9	0.0	

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee

Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC

Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in Rear Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
295	MERCEDES BENZ 560	0.9	0.0	
296	FORD BRONCO (FULL SIZE)	0.7	0.0	
297	MITSUBISHI MONTERO	0.6	0.0	***
298	LEXUS LS400	0.5	0.5	
299	CHEVROLET S/T BLAZER	0.4	0.0	***
300	PORSCHE 924	0.0	0.0	
301	SUBARU SVX	0.0	0.0	
302	VOLKSWAGEN EUROVAN	0.0	0.0	
303	SAAB 9-3	0.0	0.0	
304	MERCEDES BENZ SLK	0.0	0.0	
305	FERRARI	0.0	0.0	
306	ALFA ROMEO SPIDER	0.0	0.0	
307	MERCEDES BENZ CLK	0.0	0.0	
308	FORD EXCURSION	0.0	0.0	
309	PORSCHE BOXSTER	0.0	0.0	
310	MITSUBISHI SIGMA	0.0	0.0	
311	SUBARU XT6	0.0	0.0	
312	BMW 733	0.0	0.0	
313	BMW 635	0.0	0.0	
314	VOLVO 80 SERIES	0.0	0.0	
315	BMW 750	0.0	0.0	
316	MERCEDES BENZ 400/500E	0.0	0.0	
317	INFINITI M30	0.0	0.0	
318	BMW 540	0.0	0.0	
319	NISSAN AXXESS	0.0	0.0	
320	AUDI 80	0.0	0.0	
321	BMW M3	0.0	0.0	
322	CADILLAC ALLANTE	0.0	0.0	
323	NISSAN NX	0.0	0.0	
324	MERCEDES BENZ SL	0.0	0.0	
325	MERCEDES BENZ 260	0.0	0.0	
326	VOLKSWAGEN CABRIO	0.0	0.0	
327	MERKUR SCORPIO	0.0	0.0	
328	NISSAN XTERRA	0.0	0.0	***
329	ACURA RL	0.0	0.0	
330	TOYOTA SOLARA	0.0	0.0	
331	STERLING 825	0.0	0.0	
332	AUDI 90	0.0	0.0	
333	PONTIAC MONTANA	0.0	0.0	
334	MAZDA NAVAJO	0.0	0.0	***
335	ACURA VIGOR	0.0	0.0	
336	OLDSMOBILE BRAVADA	0.0	0.0	***

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal Vehicle Rates in Rear Impacts
 Model Year 1984-2001 Jeep Cherokee and Non-Chrysler Passenger Cars and Light Trucks in Fatal Collisions in FARS 1984-2001
 with 100,000 or more Registered Years from POLK NVPP 1984-2001

Obs	Vehicle	Fatal Vehicle Rate	Fatal Vehicle Rate with Fire	
337	AUDI A4	0.0	0.0	
338	LAND ROVER RANGE ROVER	0.0	0.0	
339	BMW 328	0.0	0.0	
340	LEXUS RX300	0.0	0.0	***
341	VOLVO 960	0.0	0.0	
342	BMW 740	0.0	0.0	
343	LEXUS GS300/400	0.0	0.0	
344	MERCEDES BENZ 380	0.0	0.0	
345	NISSAN FRONTIER	0.0	0.0	
346	HONDA PASSPORT	0.0	0.0	***
347	TOYOTA T100	0.0	0.0	
348	GMC R/V PICKUP	0.0	0.0	
349	FORD EXPEDITION	0.0	0.0	

Note 1: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee
 Note 2: Non-Chrysler Passenger Cars and Light Trucks do not include Chrysler, Dodge, Jeep, Plymouth, Eagle or AMC
 Note 3: *** = Non-Chrysler Midsize Compact Utility Vehicles

Fatal or Major Injury Rates

Model Year 1984-2001 Midsize Compact Utility Vehicles in Injury Accidents and Police Reported Collisions in Alabama, Arkansas, Florida, Idaho, Illinois, Iowa, Maryland, Michigan, Nebraska, New York, North Carolina, Ohio, Wisconsin or Wyoming

Vehicle	Vehicles with Fatal or Major Injury per 1,000 Vehicles
Non-Chrysler Midsize Compact Utility Vehicles	79.0
Jeep Cherokee	68.0

Note: Non-Chrysler midsize compact utility vehicles do not include Dodge or Jeep vehicles.
Note: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.

Post-Collision Fire Rates

Model Year 1984-2001 Midsize Compact Utility Vehicles in Injury Accidents and Police Reported Collisions in Alabama, Arkansas, Florida, Idaho, Illinois, Iowa, Maryland, Michigan, Nebraska, New York, North Carolina, Ohio, Wisconsin or Wyoming

Vehicle	Vehicles with Fire per 1,000 Vehicles
Non-Chrysler Midsize Compact Utility Vehicles	2.0
Jeep Cherokee	1.7

Note: Non-Chrysler midsize compact utility vehicles do not include Dodge or Jeep vehicles.

Note: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.

Rear Impact Fatal or Major Injury Rates
Model Year 1984-2001 Midsize Compact Utility Vehicles in Injury Accidents Police Reported Collisions in Alabama, Arkansas,
Florida, Idaho, Maryland, Michigan, Nebraska, North Carolina or Wyoming

Vehicle	Vehicles with Fatal or Major Injury per 1,000 Vehicles
Non-Chrysler Midsize Compact Utility Vehicles	48.0
Jeep Cherokee	47.9

Note: Non-Chrysler midsize compact utility vehicles do not include Dodge or Jeep vehicles.
Note: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.

Rear Impact Post-Collision Fire Rates

Model Year 1984-2001 Midsize Compact Utility Vehicles in Injury Accidents Police Reported Collisions in Alabama, Arkansas, Florida, Idaho, Maryland, Michigan, Nebraska, North Carolina or Wyoming

Vehicle	Vehicles with Fire per 1,000 Vehicles
Non-Chrysler Midsize Compact Utility Vehicles	3.1
Jeep Cherokee	2.0

Note: Non-Chrysler midsize compact utility vehicles do not include Dodge or Jeep vehicles.

Note: Jeep Cherokee includes Jeep Cherokee and Jeep Grand Cherokee.