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TECHNICAL REPORT BRL-TR-2616

A COMBINATORIAL GEOMETRY COMPUTER DESCRIPTION OF THE M9 (ACE) VEHICLE

James E. Shiells

December 1984

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* EARTH HANDLING EQUIPMENT
* ARMORED VEHICLES
* COMPUTER AIDED DIAGNOSIS

VULNERABILITY

COMBINATORIAL ANALYSIS

M-9 EARTHMOVING VEHICLES

ACE (ARMORED COMBAT EARTHMOVER)

COM GEOM (COMBINATORIAL GEOMETRY)

GIFT COMPUTER CODE

ANALYTIC GEOMETRY

ARMOR PLATE

BRL

TR-2616

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SECURITY CLASSIFICATION OF THIS PAGE *(When Data Entered)*

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER TECHNICAL REPORT BRL-TR-2616	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE *(and Subtitle)* A Combinatorial Geometry Computer Description of the M9 (ACE) Vehicle		5. TYPE OF REPORT & PERIOD COVERED Final 6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) James E. Shiells		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS US Army Ballistic Research Laboratory ATTN: AMXBR-VLD Aberdeen Proving Ground, MD 21005-5066		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS 1X464728D500
11. CONTROLLING OFFICE NAME AND ADDRESS US Army Ballistic Research Laboratory ATTN: AMXBR-OD-ST Aberdeen Proving Ground, MD 21005-5066		12. REPORT DATE December 1984 13. NUMBER OF PAGES 115
14. MONITORING AGENCY NAME & ADDRESS*(if different from Controlling Office)* PROPERTY OF U.S. ARMY BRL, APG, MD. 21005		15. SECURITY CLASS. *(of this report)* UNCLASSIFIED 15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT *(of this Report)* Approved for public release; distribution unlimited. BRL, APG, MD. 21005		
17. DISTRIBUTION STATEMENT *(of the abstract entered in Block 20, if different from Report)*		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS *(Continue on reverse side if necessary and identify by block number)* ACE Vehicle COM-GEOM Description M9 Earthmover Computer Description Universal Engineering Tractor		
20. ABSTRACT *(Continue on reverse side if necessary and identify by block number)* This report documents two computer descriptions (COM-GEOM) of the M9 armored combat earthmover (ACE). This includes the standard and uparmored versions of the vehicle. The appendices include the actual COM-GEOM listings of each of the descriptions. These descriptions are also available at the BRL either on cards or magnetic tape.		

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I. INTRODUCTION

The M9 Armored Combat Earthmover (ACE) vehicle was developed as a versatile tractor that can bulldoze, rough grade, excavate, haul and winch. The vehicle will be used by divisional and Army corps combat engineers battalions to facilitate the movement of friendly forces and to impede the enemy. This multi-purpose construction tool is expected to significantly increase the combat construction potential of the engineers squad. Consideration is currently being directed toward an up-armored version of the M9 vehicle, although the basic M9 is protected with some aluminum armor. The M9 Project Manager has requested BRL to conduct a vulnerability analysis for both versions of the vehicle in order to determine the increased survivability of the up-armored M9 on the battlefield. These required vulnerability data are directly available as output from the vulnerable area (VAREA)[1] computer program. However, this program requires as input the M9 target descriptions as processed by the Geometric Information for Targets (GIFT)[2,3] computer code.

The first step is therefore the production of a geometric description of the vehicle of interest. Presently, the BRL uses the combinatorial geometry (COM-GEOM) technique for target description. The COM-GEOM technique uses logic-type operators to combine basic geometric solids to produce a three-dimensional computer model of the target. This COM-GEOM target description is used as input to the Geometric Information For Targets (GIFT) computer code.

Among other things, the GIFT code traces shotlines through a COM-GEOM description from any specified aspect, listing pertinent information about each component hit. These shotline data are then used as simulated penetrator paths through the target and are required as input for the VAREA program.

II. M9 (ACE) BACKGROUND INFORMATION

The M9 vehicle, also known as the Universal Engineering Tractor (UET), was developed by Pacific Car and Foundry (PACCAR) of Renton, WA. The basic M9 vehicle is shown in Figure 1. The air-droppable vehicle is constructed of aluminum armor in a boxlike configuration. The front portion of the vehicle is an open bowl for carrying earth, cargo, or personnel while the rear half contains the power train components, the fuel tank, a winch and the operator station. The M9 is powered by a Cummins V-8 diesel which gives it a top speed of 30 MPH. Engineer squads are therefore afforded mobility equal to units which they accompany. The hydropneumatic suspension system is responsible for many of the versatile capabilities of the M9 tractor. The operator, by actuating a

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[1] GENERAL VULNERABLE AREA PROGRAM, VOL 1 User Manual, Naval Weapons Center TN 4565-9-72, March 1974.

[2] Lawrence W. Bain, Mathew J. Reisinger, "The GIFT Code User Manual; VOL 1, Introduction and Input Requirements," BRL Report No. 1802, July 1975 (AD #B006037L).

[3] Gary G. Kuehl, Lawrence W. Bain, Mathew J. Reisinger, "The GIFT Code User Manual; VOL 2, The Output Options," BRL Report No. 2189, Sept 1979 (AD #A078364).

Figure 1. Standard M9 (ACE) Vehicle

set of levers which control oil flow in the suspension system, may raise either or both front corners of the vehicle. In this way either dozing or scraping can be readily accomplished. The scraper bowl may also be earth filled (ballasted) for greater traction in dozing aside from the above mentioned role of transport capability. The driver is afforded ballistic protection by the armored compartment and hatch which immediately surrounds him. In contrast, the up-armored M9 version, shown in Figure 2, is designed to be less vulnerable in the battlefield environment. This is largely accomplished through the use of add-on armor plates over certain portions of the standard M9 vehicle. Particular attention was directed toward protecting the relatively exposed engine and radiator assembly. A series of vertical and horizontal engine grills were added to the standard M9 vehicle. The grills were designed to permit appropriate air flow for radiator cooling. In addition, Kevlar (26 ply thick) was added to the interior walls of the driver compartment and certain other critical areas. Thin alloy steel plates were added to several exterior surfaces of the M9 vehicle. Detailed data concerning the exact nature of the modifications are available from the manufacturer. However these modifications have been incorporated into the COM-GEOM description of the up-armored M9. The COM-GEOM target description also includes all of the critical elements or sub-systems necessary for the operation of the M9 vehicle.

III. COMBINATORIAL GEOMETRY BACKGROUND

The M9-ACE target description was developed in combinatorial geometry (COM-GEOM) as utilized by the Geometric Information For Targets (GIFT) computer code. The GIFT code is a geometry processing code which contains many validation and checking routines to assist the analyst in developing an error free COM-GEOM description.

Familiarization with the COM-GEOM technique and terminology is necessary for understanding any combinatorial geometry description. The following is a brief introduction to COM-GEOM, but a detailed explanation of this method and the requirements of the GIFT code can be found in References 2 and 3. Engineering drawings, manuals, photographs, or other illustrative material are required to produce a COM-GEOM description. This information is transformed into a geometric interpretation of the target using fifteen basic solids combined under three set theory operations. A complete COM-GEOM description contains a solid table, a region table, and a region identification table.

A solid is defined as one of the fifteen geometric figures available for use in COM-GEOM descriptions. A list of these solids appears in Table 1. The parameters of a solid give its location, size, and orientation within the coordinate system established for the target. These parameters, along with the solid type and an assigned solid number, are listed in sequence in the solid table.

A region is the space occupied by a single solid or a combination of solids. Solids are combined using any combination of three set operations: intersection (+), union (OR), and difference (-). The intersection of two solids is only the space in common to both solids, while union is the space occupied by either solid. The difference of two solids is defined as all the space of the first solid that is not contained in the second solid. Figure 3

Figure 2. Up-Armored M9 (ACE) Vehicle

Table 1. Geometric Solids Used in COM-GEOM Descriptions

SYMBOL	SOLID NAME
RPP	Rectangular Parallelepiped
BOX	Box
RAW	Right Angle Wedge
ARB	Arbitrary Convex Polyhedron
ARS	Arbitrary Surface
AQS	Arbitrary Quadratic Surface
HAF	Half Space
SPH	Sphere
ELL	Ellipsoid
TOR	Torus
RCC	Right Circular Cylinder
REC	Right Elliptical Cylinder
TRC	Truncated Right Angle Cone
TEC	Truncated Elliptic Cone
TGC	Truncated General Cone

is the graphic representation of the three defined operations. Any number of the solids listed in the solid table can be used to determine a region. Each region is uniquely numbered, and its defining combination of solids is listed in the region table.

In the region identification table, each region is specified by either an item or space code number. These code numbers identify the region as a component of the target (an item) or as an air space in or around the target. Space not described as a region is assigned the air space code 01 by the GIFT code. Since it is not required to describe air inside a target, the 01 code can represent air both on the interior and exterior of a model. However, it is frequently useful to describe inside air regions, which leaves the 01 code designating outside air only. The RAYAIR subroutine of GIFT allows any region identified with a space code to overlap any region assigned an item code or the same space code. Regions with an item code or different space codes cannot overlap.

The region identification table also allows for up to 40 alphanumeric characters of descriptive data to be assigned to each region. Included in these 40 characters is a two-digit material code for all regions designated by item code. Following this material code is a percentage which indicates for the region the equivalent line-of-sight (LOS) thickness using the indicated material type. The material code and the LOS thickness are helpful to the vulnerability analyst using a COM-GEOM description. Table 2 lists the material codes and their assigned densities used in the description of the ACE system.

These three tables - solid, region, and region identification - comprise a complete COM-GEOM target description meeting all requirements for input to the GIFT computer code.

IV. COMBINATORIAL GEOMETRY DESCRIPTION OF THE (ACE) SYSTEM

The coordinate system used to describe the COM-GEOM description of the ACE vehicle was the same that was used in the manufacturer's blueprints. The positive X-axis is toward the front of the vehicle, the positive Y-axis is to the left, and the positive Z-axis is upward. Figure 4 depicts the coordinate system superimposed on a computer plot of the (ACE) system description. The unit of measure used in this description is the millimetre. Figures 4 through 10 are scaled computer plots of the COM-GEOM description of the (ACE) system.

The complete (ACE) system description consists of 367 solids and 367 regions, while the up-armored (ACE) consists of 416 solids and 416 regions. Both target descriptions are currently stored on magnetic tape and disc at the BRL.

Appendix A contains a complete listing of the standard ACE description. Table A-1 is a listing of the solids, Table A-2 is a listing of the regions, and Table A-3 is a listing of the region identification table.

Appendix B contains a complete listing of the up-armored ACE target description. Table B-1 is a listing of the solids, Table B-2 is a listing of

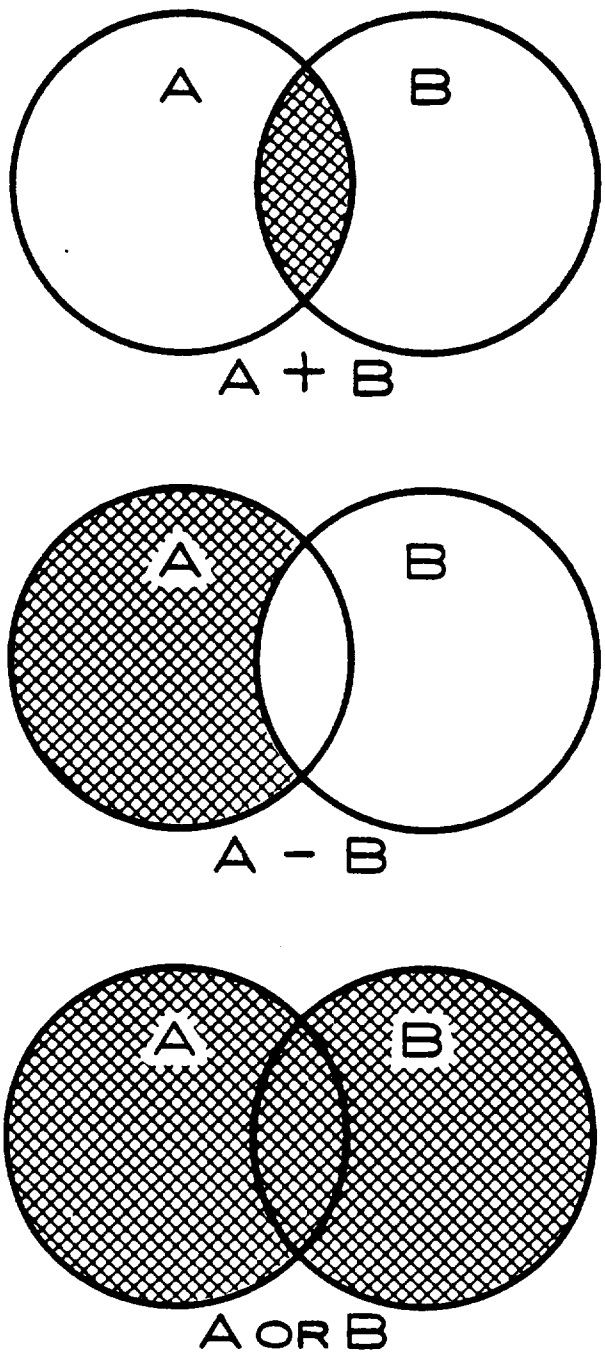

Figure 3. Intersection, Subtraction, Union of Solids

Table 2. Material Codes and Densities for Descriptions

Code	Specific Gravity	Material
1	7.7641	Steel
2	2.7695	Aluminum
3	8.9007	Copper
4	7.2038	Cast Iron
5	7.7641	Rolled Homogeneous Armor
6	0.9356	Rubber
7	7.7641	Face Hardened Steel
8	1.0990	Personnel
9	4.4824	Titanium
10	18.6819	Tuballoy
11	0.7444	Unbonded Nylon
12	0.9285	Bonded Nylon
13	1.1990	Lexan
14	0.9300	Kevlar
15	1.2166	Stretched Plexiglas
16	2.0011	Doron
17	2.4653	Bullet Resistant Glass
18	1.7930	Magnesium
19	0.6500	Hard Wood
20	1.0000	Water
21	0.9024	Lube or Hydraulic Oil
22	0.7972	Diesel Fuel
23	1.6900	Propellant
24	1.6500	High Explosive
25	0.6809	Gasoline
26	1.2166	Plexiglas as Cast
27	0.0803	Cushion Rubber
28	10.9978	Lead
29	5.2000	Radiation Shielding Material
30	19.3000	Tungsten
39	1.3000	Red Fuming Nitric Acid
40	18.7000	Uranium

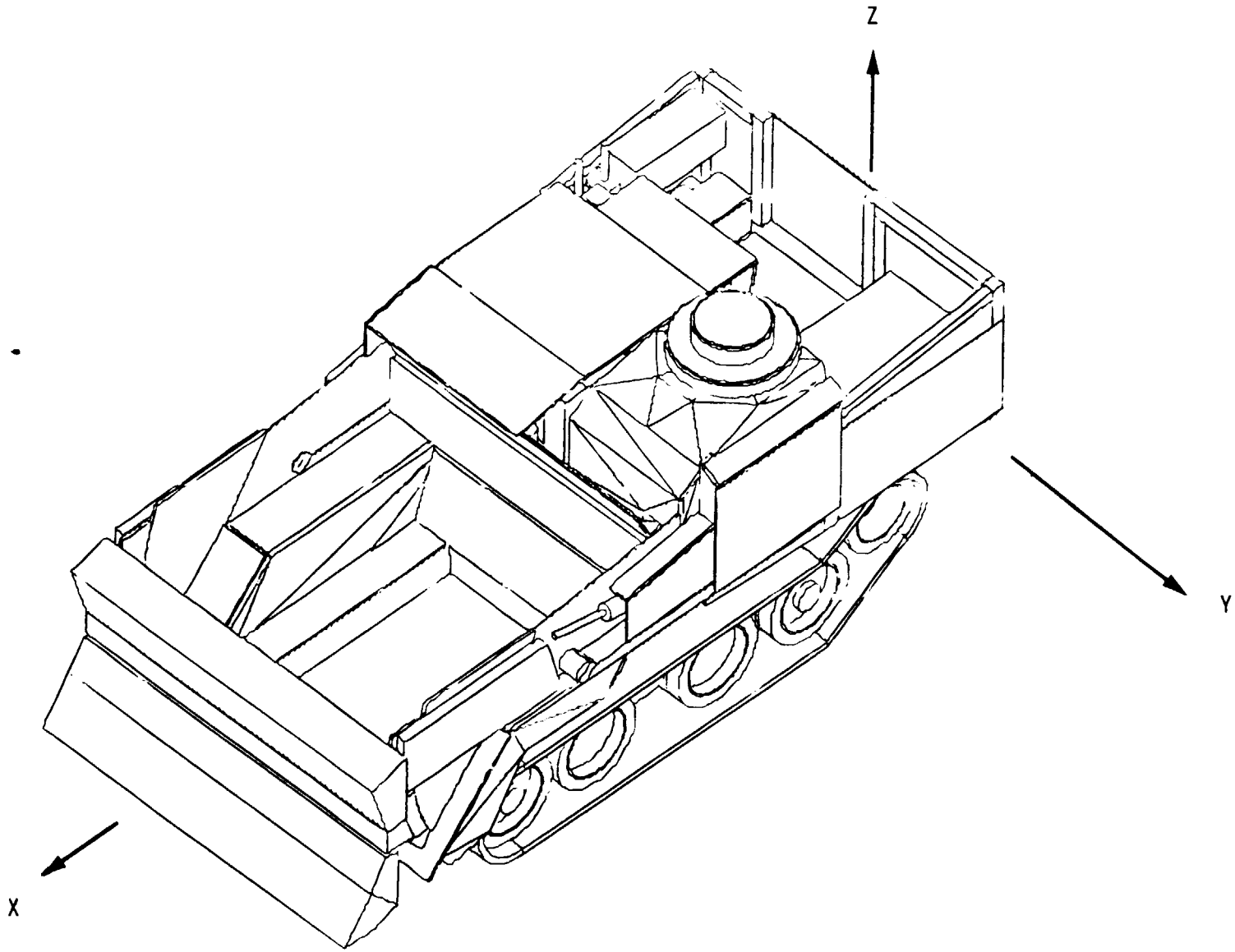

Figure 4. Coordinate System for COM-GEOM Description

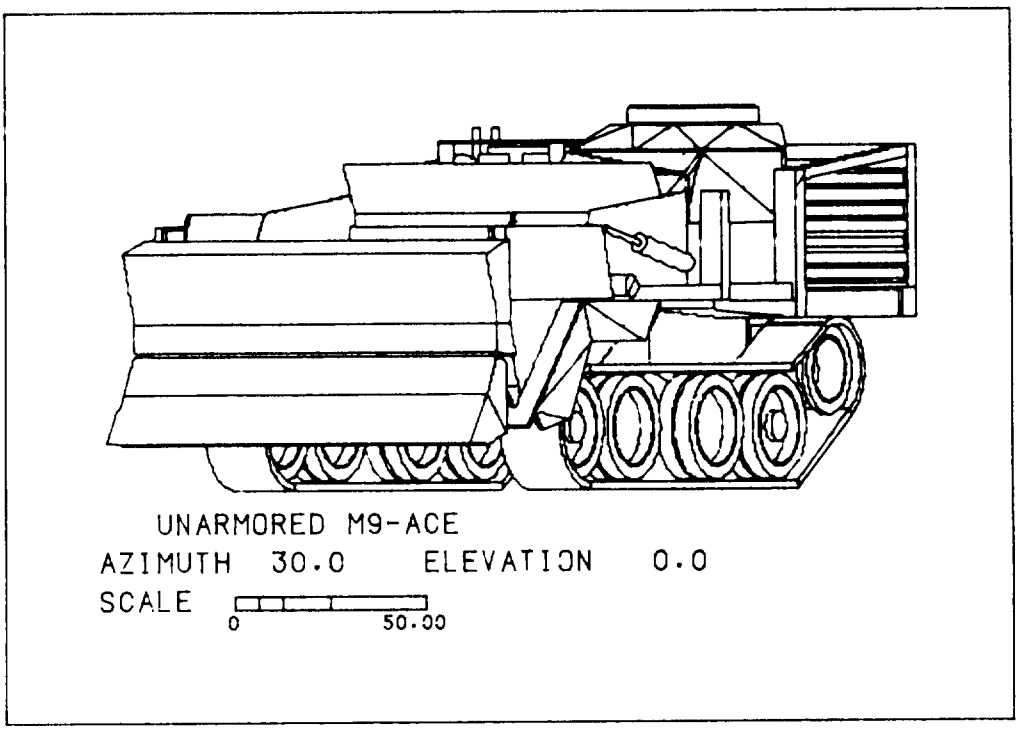

Figure 5. Standard M9---Fore View

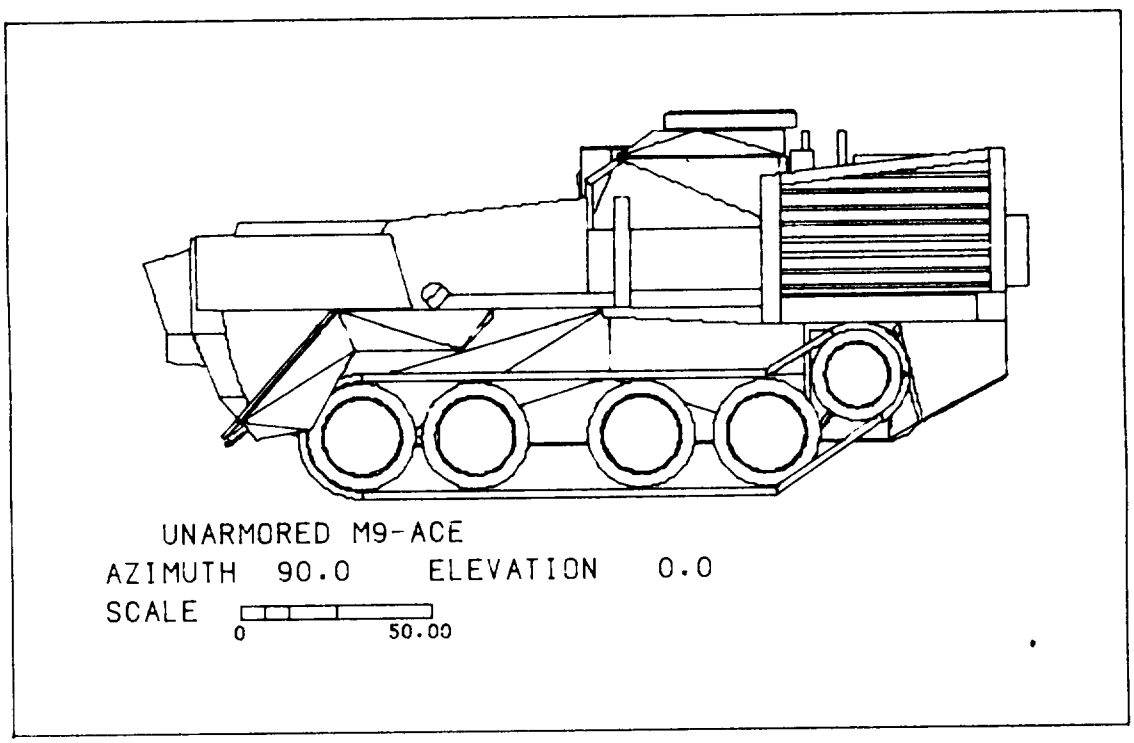

Figure 6. Standard M9---Side View

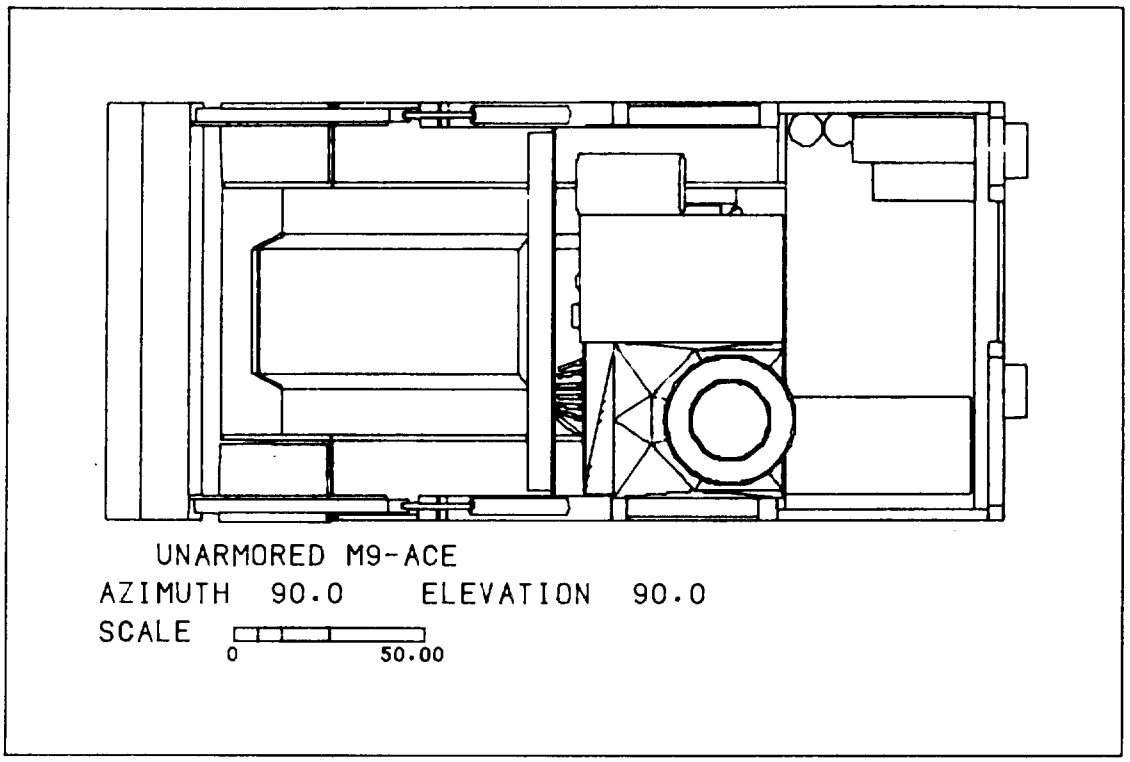

Figure 7. Standard M9---Plan View

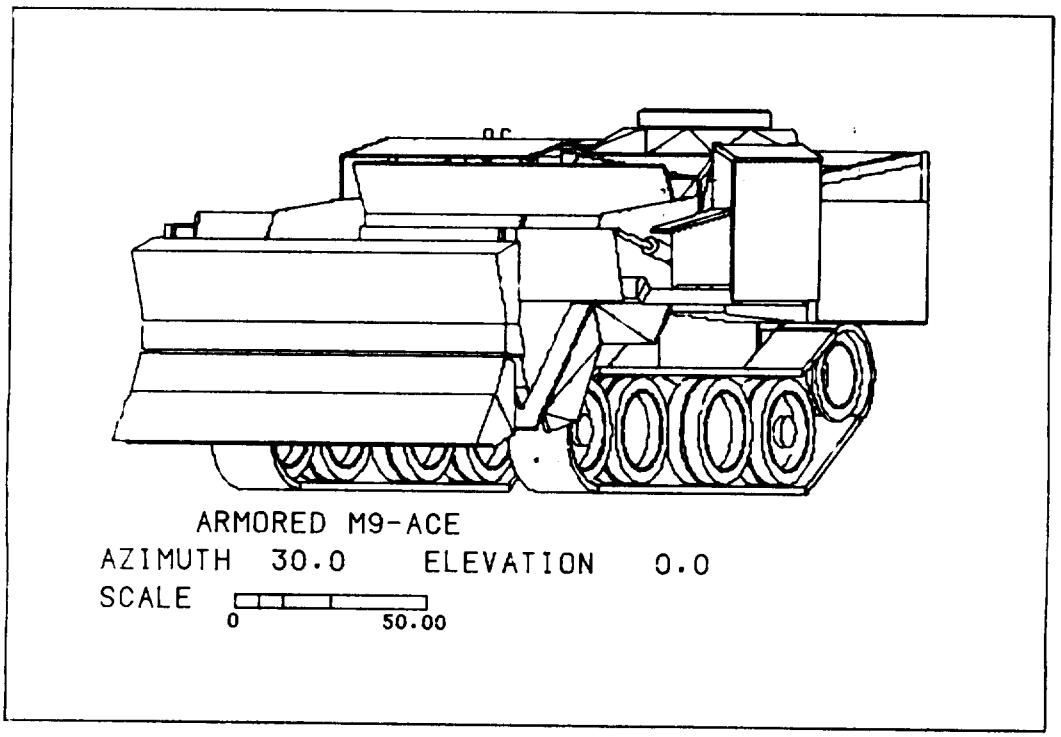

Figure 8. Up-armored M9---Fore View

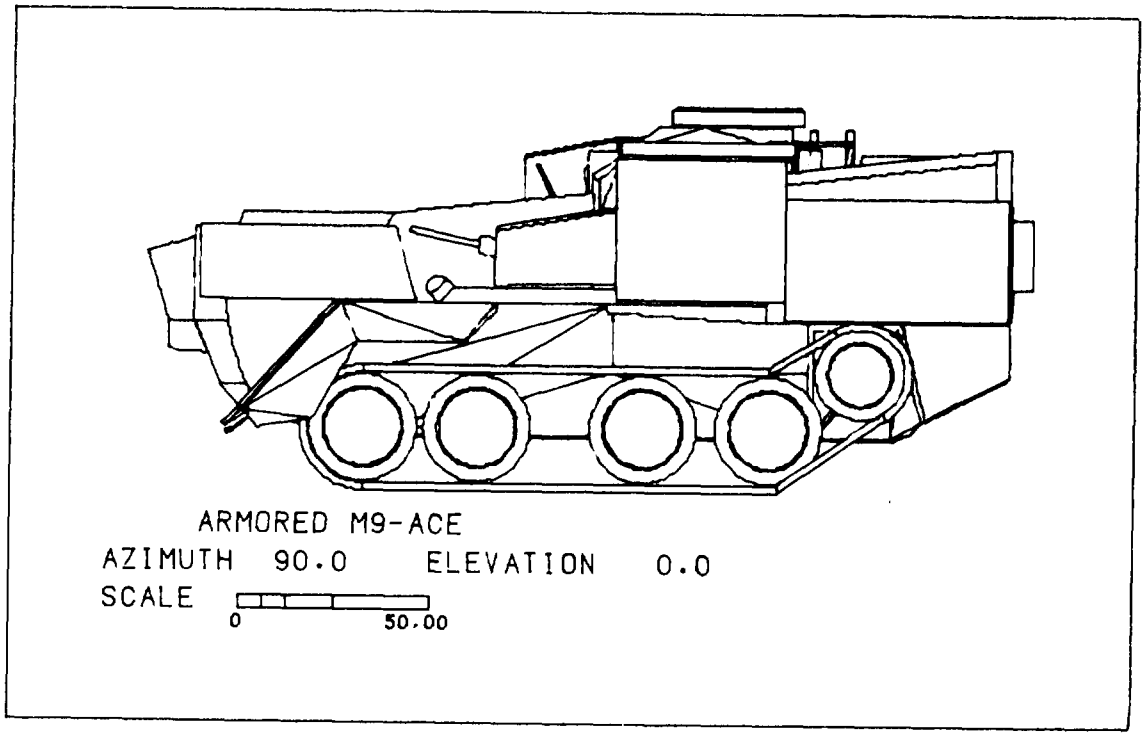

Figure 9. Up-armored M9---Side View

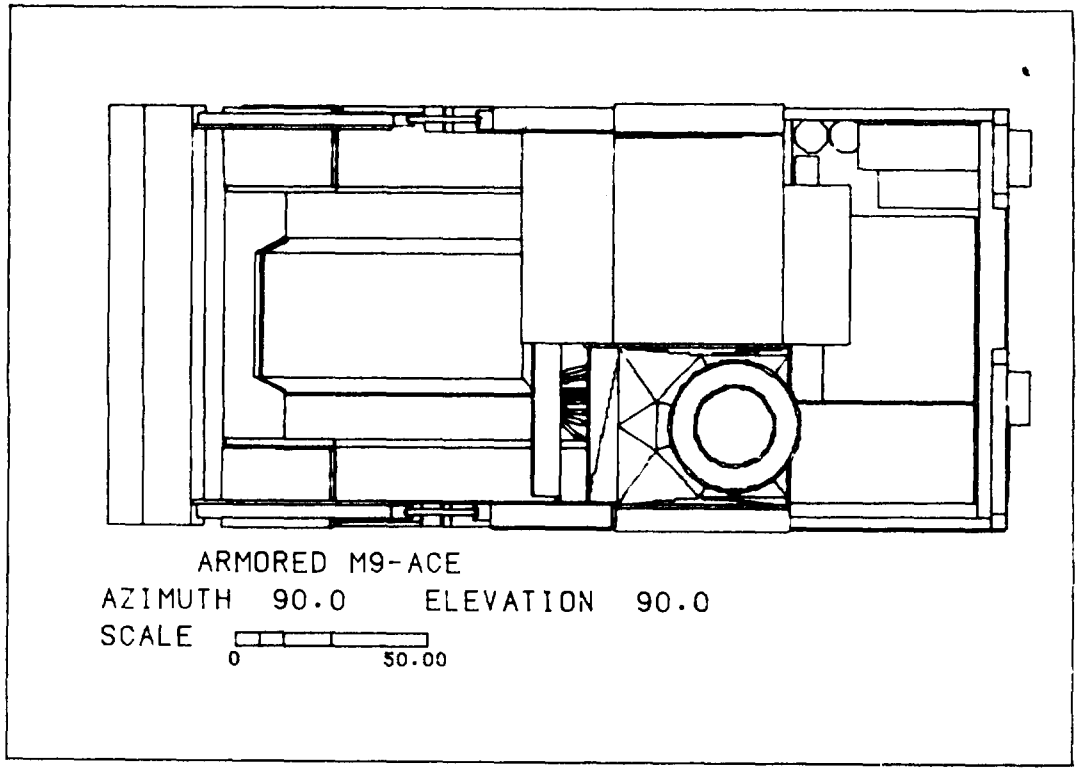

Figure 10 Up-armored M9---Plan View

the regions, and Table B-3 is a listing of the region identification table.

V. VALIDATION PROCEDURE

One of the most important aspects of the target description process is the validation of the target description. This extensive procedure can entail nearly as much time as the actual describing of the target. The (ACE) system description has undergone the following thorough validation procedure.

The CHECK subroutine of the GIFT code pinpoints regions which overlap within a specified tolerance level. By definition, regions overlap when they occupy the same points in space. A tolerance level of 0.25 mm was used for the (ACE) system and any overlaps were corrected.

A particularly difficult problem in the target description validation is the elimination of unwanted voids or undefined spaces. The GRID subroutine of the GIFT code is used to pinpoint this type of problem. GRID is the subroutine which traces shotlines completely through a description from any desired aspect; it lists the line-of-sight (LOS) thicknesses, the normal thicknesses, and the obliquity angles of every item encountered along each shotline. Among the many uses of this shotline information are locating voids in the target description and helping to eliminate them.

Another step in the validation process is the production and examination of computer plots of the target description for any misplaced regions. These plots are produced by the PICTUR subroutine of the GIFT code. Figures 4 through 10 are examples of the plots produced by PICTUR. Numerous plots of the (ACE) system description were carefully examined and any errors or misplaced regions were corrected.

APPENDIX A

COMPUTER TARGET DESCRIPTION OF THE STANDARD (ACE) SYSTEM

TABLE A-1 '99 (ACE) VEHICLE SOLID TABLE

SOLID NUM	TYPE	SOLID PARAMETERS					
1	RPP	0.00	6350.03	0.00	3048.01	0.00	3048.01
2	RPP	2.54	6347.48	2.54	3045.47	2.54	3045.47
3	ARB6	5503.17	2393.95	477.27	4769.87	2393.95	1300.23
		4769.87	2349.50	1300.23	5503.17	2349.50	477.27
		5105.41	2393.95	685.80	5105.41	2349.50	685.80
4	ARB6	5503.17	2393.95	477.27	5105.41	2393.95	685.80
		5105.41	2349.50	685.80	5503.17	2349.50	477.27
		5465.33	2393.95	443.49	5465.33	2349.50	443.49
5	ARB6	5105.41	2393.95	685.80	4769.87	2393.95	1300.23
		4769.87	2349.50	1300.23	5105.41	2349.50	685.80
		2946.40	2393.95	1300.23	2946.40	2349.50	1300.23
6	ARB6	5105.41	2393.95	685.80	2946.40	2393.95	1300.23
		2946.40	2349.50	1300.23	5105.41	2349.50	685.80
		4406.91	2393.95	404.88	4406.91	2349.50	404.88
7	ARB6	5143.51	2393.95	508.26	5105.41	2393.95	685.80
		5105.41	2349.50	685.80	5143.51	2349.50	508.26
		4406.91	2393.95	404.88	4406.91	2349.50	404.88
8	ARB6	4406.91	2393.95	404.88	2946.40	2393.95	1300.23
		2946.40	2349.50	1300.23	4406.91	2349.50	404.88
		2946.40	2393.95	838.20	2946.40	2349.50	838.20
9	ARB6	2946.40	2393.95	838.20	2946.40	2393.95	889.00
		2946.40	2349.50	889.00	2946.40	2349.50	838.20
		2895.60	2393.95	838.20	2895.60	2349.50	838.20
10	ARB6	4406.91	2393.95	404.88	2946.40	2393.95	838.20
		2946.40	2349.50	838.20	4406.91	2349.50	404.88
		1651.00	2393.95	404.88	1651.00	2349.50	404.88
11	ARB6	2946.40	2393.95	838.20	1651.00	2393.95	838.20
		1651.00	2349.50	838.20	2946.40	2349.50	838.20
		1651.00	2393.95	404.88	1651.00	2349.50	404.88
12	ARB6	5503.17	698.50	477.27	4769.87	698.50	1300.23
		4769.87	654.05	1300.23	5503.17	654.05	477.27
		5105.41	698.50	685.80	5105.41	654.05	685.80
13	ARB6	5503.17	698.50	477.27	5105.41	698.50	685.80
		5105.41	654.05	685.80	5503.17	654.05	477.27
		5465.33	698.50	443.49	5465.33	654.05	443.49
14	ARB6	5105.41	698.50	685.80	4769.87	698.50	1300.23
		4769.87	654.05	1300.23	5105.41	654.05	685.80
		2946.40	698.50	1300.23	2946.40	654.05	1300.23
15	ARB6	5105.41	698.50	685.80	2946.40	698.50	1300.23
		2946.40	654.05	1300.23	5105.41	654.05	685.80
		4406.91	698.50	404.88	4406.91	654.05	404.88
16	ARB6	5143.51	698.50	508.26	5105.41	698.50	685.80
		5105.41	654.05	685.80	5143.51	654.05	508.26
		4406.91	698.50	404.88	4406.91	654.05	404.88
17	ARB6	4406.91	698.50	404.88	2946.40	698.50	1300.23
		2946.40	654.05	1300.23	4406.91	654.05	404.88
		2946.40	698.50	838.20	2946.40	654.05	838.20

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
18	ARB6	2946.40	698.50	838.20	2946.40	698.50	889.00
		2946.40	654.05	889.00	2946.40	654.05	838.20
		2895.60	698.50	838.20	2895.60	654.05	838.20
19	ARB6	4406.91	698.50	404.88	2946.40	698.50	838.20
		2946.40	654.05	838.20	4406.91	654.05	404.88
		1651.00	698.50	404.88	1651.00	654.05	404.88
20	ARB6	2946.40	698.50	838.20	1651.00	698.50	838.20
		1651.00	654.05	838.20	2946.40	654.05	838.20
		1651.00	698.50	404.88	1651.00	654.05	404.88
21	RCC	4229.36	635.00	587.25	0.00	1778.00	0.00
		132.59	0.00	0.00	0.00	0.00	0.00
22	RCC	3471.42	635.00	587.25	0.00	1778.00	0.00
		132.59	0.00	0.00	0.00	0.00	0.00
23	RCC	3103.12	635.00	587.25	0.00	1778.00	0.00
		132.59	0.00	0.00	0.00	0.00	0.00
24	RCC	2270.26	635.00	587.25	0.00	1778.00	0.00
		132.59	0.00	0.00	0.00	0.00	0.00
25	ARB6	5392.68	2921.00	573.79	4934.98	2921.00	514.86
		4934.98	2889.25	514.86	5392.68	2889.25	573.79
		5297.18	2921.00	450.85	5297.18	2889.25	450.85
26	ARB6	5392.68	2921.00	573.79	4633.98	2921.00	1036.07
		4633.98	2889.25	1036.07	5392.68	2889.25	573.79
		4934.98	2921.00	514.86	4934.98	2889.25	514.86
27	ARB6	5392.68	2921.00	573.79	4746.25	2921.00	1300.23
		4746.25	2889.25	1300.23	5392.68	2889.25	573.79
		4633.98	2921.00	1036.07	4633.98	2889.25	1036.07
28	ARB6	4746.25	2921.00	1300.23	3925.83	2921.00	1036.07
		3925.83	2889.25	1036.07	4746.25	2889.25	1300.23
		4633.98	2921.00	1036.07	4633.98	2889.25	1036.07
29	ARB6	4746.25	2921.00	1300.23	3721.11	2921.00	1300.23
		3721.11	2889.25	1300.23	4746.25	2889.25	1300.23
		3925.83	2921.00	1036.07	3925.83	2889.25	1036.07
30	ARB6	3925.83	2921.00	1036.07	3721.11	2921.00	1300.23
		3721.11	2889.25	1300.23	3925.83	2889.25	1036.07
		3721.11	2921.00	1240.79	3721.11	2889.25	1240.79
31	ARB6	5392.68	158.75	573.79	4934.98	158.75	514.86
		4934.98	127.00	514.86	5392.68	127.00	573.79
		5297.18	158.75	450.85	5297.18	127.00	450.85
32	ARB6	5392.68	158.75	573.79	4633.98	158.75	1036.07
		4633.98	127.00	1036.07	5392.68	127.00	573.79
		4934.98	158.75	514.86	4934.98	127.00	514.86
33	ARB6	5392.68	158.75	573.79	4746.25	158.75	1300.23
		4746.25	127.00	1300.23	5392.68	127.00	573.79
		4633.98	158.75	1036.07	4633.98	127.00	1036.07
34	ARB6	4746.25	158.75	1300.23	3925.83	158.75	1036.07
		3925.83	127.00	1036.07	4746.25	127.00	1300.23
		4633.98	158.75	1036.07	4633.98	127.00	1036.07

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
35	ARB6	4746.25	158.75	1300.23	3721.11	158.75	1300.23
		3721.11	127.00	1300.23	4746.25	127.00	1300.23
		3925.83	158.75	1036.07	3925.83	127.00	1036.07
36	ARB6	3925.83	158.75	1036.07	3721.11	158.75	1300.23
		3721.11	127.00	1300.23	3925.83	127.00	1036.07
		3721.11	158.75	1240.79	3721.11	127.00	1240.79
37	ARB6	1651.00	2400.30	404.88	1651.00	2400.30	1184.40
		1651.00	2257.05	1184.40	1651.00	2257.05	404.88
		1008.13	2400.30	1184.40	1008.13	2257.05	1184.40
38	ARB6	1651.00	2400.30	404.88	1008.13	2400.30	1184.40
		1008.13	2257.05	1184.40	1651.00	2257.05	404.88
		1089.66	2400.30	404.88	1089.66	2257.05	404.88
39	ARB6	1089.66	2400.30	404.88	1008.13	2400.30	1184.40
		1008.13	2257.05	1184.40	1089.66	2257.05	404.88
		863.60	2400.30	535.43	863.60	2257.05	535.43
40	ARB6	1606.55	2400.30	404.88	1606.55	2400.30	1139.95
		1606.55	2307.85	1139.95	1606.55	2307.85	404.88
		1042.42	2400.30	1127.25	1042.42	2307.85	1127.25
41	ARB6	1606.55	2400.30	390.88	1042.42	2400.30	1127.25
		1042.42	2307.85	1127.25	1606.55	2307.85	390.88
		1089.66	2400.30	390.88	1089.66	2307.85	390.88
42	ARB6	1089.66	2400.30	404.88	1042.42	2400.30	1127.25
		1042.42	2307.85	1127.25	1089.66	2307.85	404.88
		863.60	2400.30	404.88	863.60	2307.85	404.88
43	ARB6	1651.00	790.96	404.88	1651.00	790.96	1184.40
		1651.00	647.70	1184.40	1651.00	647.70	404.88
		1008.13	790.96	1184.40	1008.13	647.70	1184.40
44	ARB6	1651.00	790.96	404.88	1008.13	790.96	1184.40
		1008.13	647.70	1184.40	1651.00	647.70	404.88
		1089.66	790.96	404.88	1089.66	647.70	404.88
45	ARB6	1089.66	790.96	404.88	1008.13	790.96	1184.40
		1008.13	647.70	1184.40	1089.66	647.70	404.88
		863.60	790.96	535.43	863.60	647.70	535.43
46	ARB6	1606.55	740.16	404.88	1606.55	740.16	1139.95
		1606.55	647.70	1139.95	1606.55	647.70	404.88
		1042.42	740.16	1127.25	1042.42	647.70	1127.25
47	ARB6	1606.55	740.16	390.88	1042.42	740.16	1127.25
		1042.42	647.70	1127.25	1606.55	647.70	390.88
		1089.66	740.16	390.88	1089.66	647.70	390.88
48	ARB6	1089.66	740.16	404.88	1042.42	740.16	1127.25
		1042.42	647.70	1127.25	1089.66	647.70	404.88
		863.60	740.16	404.88	863.60	647.70	404.88
49	RPP	1792.48	4758.70	2393.95	2921.00	1293.88	1300.23
50	RPP	1792.48	4758.70	127.00	654.05	1293.88	1300.23
51	RPP	1089.66	4406.91	654.05	2393.95	395.23	404.88
52	RPP	1651.00	2946.40	2387.60	2393.95	838.20	1300.23
53	RPP	1651.00	2946.40	654.05	660.40	838.20	1300.23

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
54	RPP	1843.58	2003.58	2267.90	2349.60	1206.11	1497.11
55	ARB8	2381.58	2291.44	1363.11	2413.58	2313.90	1407.11
		2003.58	2271.90	1407.11	2003.58	2237.90	1329.11
		2381.58	1892.36	1363.11	2413.58	1869.90	1407.11
		2003.58	1911.90	1407.11	2003.58	1945.90	1329.11
56	ARB8	2075.58	2278.38	1597.11	1973.58	2250.02	1847.11
		1947.58	2246.90	1845.11	1989.58	2269.90	1561.11
		2075.58	1951.09	1597.11	1973.58	1964.02	1847.11
		1947.58	1960.90	1845.11	1989.58	1937.90	1561.11
57	ELL1	2116.58	2091.90	2309.12	100.00	0.00	0.00
		85.00	0.00	0.00	0.00	0.00	0.00
58	RCC	2116.58	2091.90	2179.12	0.00	0.00	72.00
		60.00	0.00	0.00	0.00	0.00	0.00
59	REC	2116.58	2091.90	1659.11	0.00	0.00	520.00
		0.00	145.00	0.00	107.00	0.00	0.00
60	RPP	2006.58	2226.58	1941.90	2241.90	1659.11	1919.11
61	REC	2116.58	2091.90	1477.11	0.00	0.00	182.00
		0.00	167.00	0.00	93.00	0.00	0.00
62	RCC	2116.58	2284.40	2179.12	0.00	0.00	-364.00
		47.50	0.00	0.00	0.00	0.00	0.00
63	RCC	2116.58	1899.40	2179.12	0.00	0.00	-364.00
		47.50	0.00	0.00	0.00	0.00	0.00
64	SPH	2116.58	2284.40	1815.11	42.50	0.00	0.00
65	SPH	2116.58	1899.40	1815.11	42.50	0.00	0.00
66	TRC	2116.58	2284.40	1815.11	274.00	0.00	0.00
		42.50	30.00	0.00	0.00	0.00	0.00
67	TRC	2116.58	1899.40	1815.11	274.00	0.00	0.00
		42.50	30.00	0.00	0.00	0.00	0.00
68	RPP	2390.58	2503.18	2244.90	2314.90	1770.11	1860.11
69	RPP	2390.58	2508.18	1868.90	1938.90	1770.11	1860.11
70	SPH	2116.58	2179.40	1477.11	80.00	0.00	0.00
71	SPH	2116.58	2004.40	1477.11	80.00	0.00	0.00
72	TRC	2116.58	2179.40	1477.11	400.00	0.00	0.00
		80.00	66.00	0.00	0.00	0.00	0.00
73	TRC	2116.58	2004.40	1477.11	400.00	0.00	0.00
		80.00	66.00	0.00	0.00	0.00	0.00
74	SPH	2516.58	2179.40	1477.11	66.00	0.00	0.00
75	SPH	2516.58	2004.40	1477.11	66.00	0.00	0.00
76	TRC	2516.58	2179.40	1477.11	394.00	0.00	-233.00
		66.00	50.00	0.00	0.00	0.00	0.00
77	TRC	2516.58	2004.40	1477.11	394.00	0.00	-233.00
		66.00	50.00	0.00	0.00	0.00	0.00
78	SPH	2910.58	2179.40	1244.11	50.00	0.00	0.00
79	SPH	2910.58	2004.40	1244.11	50.00	0.00	0.00
80	ARB6	2877.44	1720.75	2300.06	2877.44	2749.45	2300.06
		2852.60	2749.45	2263.20	2852.60	1720.75	2263.20
		3088.51	2749.45	2157.82	3063.67	2749.45	2120.96

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
81	ARB6	3088.51	2749.45	2157.82	3088.51	1720.75	2157.82
		3063.67	1720.75	2120.96	3063.67	2749.45	2120.96
		2877.44	1720.75	2300.06	2852.60	1720.75	2263.20
82	ARB6	3088.51	1720.75	2157.82	3088.51	2749.45	2157.82
		3044.06	2749.45	2157.82	3044.06	1720.75	2157.82
		3088.51	2417.98	1811.11	3044.06	2417.98	1811.11
83	ARB6	3088.51	1720.75	2157.82	3088.51	2417.98	1811.11
		3044.06	2417.98	1811.11	3044.06	1720.75	2157.82
		3088.51	1720.75	1715.86	3044.06	1720.75	1715.86
84	ARB6	3088.51	1720.75	1715.86	3088.51	2417.98	1811.11
		3044.06	2417.98	1811.11	3044.06	1720.75	1715.86
		3088.51	2417.98	1715.86	3044.06	2417.98	1715.86
85	ARB6	3088.51	2417.98	1811.11	3088.51	2749.45	2157.82
		3044.06	2749.45	2157.82	3044.06	2417.98	1811.11
		3088.51	2749.45	1811.11	3044.06	2749.45	1811.11
86	ARB6	3088.51	2749.45	1811.11	3088.51	2749.45	2157.82
		3088.51	2705.00	2157.82	3088.51	2705.00	1811.11
		2877.44	2749.45	2300.06	2877.44	2705.00	2300.06
87	ARB6	3088.51	2749.45	1811.11	2877.44	2749.45	2300.06
		2877.44	2705.00	2300.06	3088.51	2705.00	1811.11
		1750.69	2749.45	1811.11	1750.69	2705.00	1811.11
88	ARB6	2877.44	2749.45	2300.06	1750.69	2749.45	2300.06
		1750.69	2705.00	2300.06	2877.44	2705.00	2300.06
		1750.69	2749.45	1811.11	1750.69	2705.00	1811.11
89	ARB6	1750.69	2749.45	1487.26	1750.69	2749.45	2300.06
		1795.14	2749.45	2300.06	1795.14	2749.45	1487.26
		1750.69	1720.75	2300.06	1795.14	1720.75	2300.06
90	ARB6	1750.69	2749.45	1487.26	1750.69	1720.75	2300.06
		1795.14	1720.75	2300.06	1795.14	2749.45	1487.26
		1750.69	1720.75	1487.26	1795.14	1720.75	1487.26
91	ARB6	1795.14	2275.74	1315.81	1795.14	2275.74	1487.26
		1750.69	2275.74	1487.26	1750.69	2275.74	1315.81
		1795.14	2749.45	1487.26	1750.69	2749.45	1487.26
92	ARB6	1795.14	2275.74	1315.81	1795.14	2749.45	1487.26
		1750.69	2749.45	1487.26	1750.69	2275.74	1315.81
		1795.14	2749.45	1315.81	1750.69	2749.45	1315.81
93	ARB6	2299.33	2575.97	1487.26	1795.14	2575.97	1811.11
		1795.14	2537.87	1811.11	2299.33	2537.87	1487.26
		1795.14	2575.97	1487.26	1795.14	2537.87	1487.26
94	ARB6	2299.33	2575.97	1487.26	2299.33	2575.97	1811.11
		2299.33	2537.87	1811.11	2299.33	2537.87	1487.26
		1795.14	2575.97	1811.11	1795.14	2537.87	1811.11
95	ARB6	2674.49	2499.26	1487.26	3088.51	2417.98	1715.86
		3081.17	2380.60	1715.86	2667.15	2461.88	1487.26
		3088.51	2417.98	1811.11	3081.17	2380.60	1811.11
96	ARB6	2674.49	2499.26	1487.26	3088.51	2417.98	1811.11
		3081.03	2380.62	1811.29	2667.01	2461.90	1487.44

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		2299.33	2575.97	1811.11	2291.85	2538.61	1811.29
97	ARB6	2674.49	2499.26	1487.26	2299.33	2575.97	1811.11
		2291.70	2538.64	1811.11	2666.86	2461.94	1487.26
		2299.33	2575.97	1487.26	2291.70	2538.64	1487.26
98	ARB6	1750.69	1720.75	1487.26	1750.69	1720.75	2300.06
		1750.69	1752.50	2300.06	1750.69	1752.50	1487.26
		3088.51	1720.75	1715.86	3088.51	1752.50	1715.86
99	ARB6	1750.69	1720.75	1487.26	3088.51	1720.75	1715.86
		3088.51	1752.50	1715.86	1750.69	1752.50	1487.26
		2674.49	1720.75	1487.26	2674.49	1752.50	1487.26
100	ARB6	3088.51	1720.75	1715.86	1750.69	1720.75	2300.06
		1750.69	1752.50	2300.06	3088.51	1752.50	1715.86
		2877.44	1720.75	2300.06	2877.44	1752.50	2300.06
101	ARB6	3088.51	1720.75	1715.86	2877.44	1720.75	2300.06
		2877.44	1752.50	2300.06	3088.51	1752.50	1715.86
		3088.51	1720.75	2157.82	3088.51	1752.50	2157.82
102	RCC	2116.58	2247.90	2753.61	0.00	0.00	19.05
		254.00	0.00	0.00	0.00	0.00	0.00
103	RCC	2116.58	2247.90	2613.91	0.00	0.00	139.70
		271.78	0.00	0.00	0.00	0.00	0.00
104	RCC	2116.58	2247.90	2735.83	0.00	0.00	-304.80
		234.95	0.00	0.00	0.00	0.00	0.00
105	RCC	2116.58	2247.90	2613.91	0.00	0.00	-19.05
		419.10	0.00	0.00	0.00	0.00	0.00
106	RCC	2116.58	2247.90	2486.91	0.00	0.00	107.95
		438.15	0.00	0.00	0.00	0.00	0.00
107	RCC	2116.58	2247.90	2447.11	0.00	0.00	128.70
		393.70	0.00	0.00	0.00	0.00	0.00
108	ARS		4	7	0		
		2116.58	2247.90	2486.91	2116.58	2247.90	2486.91
		2116.58	2247.90	2486.91	2116.58	2247.90	2486.91
		2116.58	2247.90	2486.91	2116.58	2247.90	2486.91
		2116.58	2247.90	2486.91	2116.58	2247.90	2309.12
		1760.98	2720.34	2486.91	2345.18	2720.34	2486.91
		2637.28	2410.46	2486.91	2637.28	2085.34	2486.91
		2345.18	1775.46	2486.91	1760.98	1775.46	2486.91
		1760.98	2720.34	2486.91	2116.58	2247.90	2309.12
		1760.98	2768.60	2309.12	2891.29	2768.60	2309.12
		2891.29	2247.90	2309.12	2891.29	1727.20	2309.12
		1760.98	1727.20	2309.12	1760.98	2247.90	2309.12
		1760.98	2768.60	2309.12	2116.58	2247.90	2309.12
		2116.58	2247.90	2309.12	2116.58	2247.90	2309.12
		2116.58	2247.90	2309.12	2116.58	2247.90	2309.12
		2116.58	2247.90	2309.12	2116.58	2247.90	2309.12
		2116.58	2247.90	2309.12	2116.58	2247.90	2309.12
109	ARS		4	7	0		
		2128.48	2238.57	2448.11	2128.48	2238.57	2448.11

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		2128.48	2238.57	2448.11	2128.48	2238.57	2448.11
		2128.48	2238.57	2448.11	2128.48	2238.57	2448.11
		2128.48	2238.57	2448.11	2128.48	2238.57	2448.11
		2637.20	2009.67	2448.11	2443.25	1803.00	2448.11
		1807.35	1803.00	2448.11	1807.35	2683.74	2448.11
		2455.97	2683.74	2448.11	2640.38	2496.14	2448.11
		2637.20	2009.67	2448.11	2116.58	2247.90	2309.12
		2773.92	1761.65	2307.11	2449.61	1764.83	2307.11
		1807.35	1761.65	2307.11	1807.35	2718.68	2307.11
		2452.79	2715.50	2307.11	2770.74	2718.68	2307.11
		2773.92	1761.65	2307.11	2116.58	2247.90	2309.12
		2128.48	2238.57	2307.11	2128.48	2238.57	2307.11
		2128.48	2238.57	2307.11	2128.48	2238.57	2307.11
		2128.48	2238.57	2307.11	2128.48	2238.57	2307.11
		2128.48	2238.57	2307.11	2116.58	2247.90	2309.12
110	ARBB	5165.76	2407.38	510.25	5165.76	660.62	510.25
		5167.11	660.62	500.66	5167.11	2407.38	500.66
		4426.26	2407.38	406.47	4426.26	660.62	406.47
		4427.60	660.62	396.87	4427.60	2407.38	396.87
111	ARBB	5526.84	2407.38	479.14	4790.65	2407.38	1305.35
		4771.61	2407.38	1288.38	5507.80	2407.38	462.18
		5526.84	2936.50	479.14	4790.65	2936.50	1305.35
		4771.61	2936.50	1288.38	5507.80	2936.50	462.18
112	ARBB	5526.84	131.50	479.14	4790.65	131.50	1305.35
		4771.61	131.50	1288.38	5507.80	131.50	462.18
		5526.84	660.62	479.14	4790.65	660.62	1305.35
		4771.61	660.62	1288.38	5507.80	660.62	462.18
113	RCC	1295.40	2478.00	838.20	0.00	40.80	0.00
		299.40	0.00	0.00	0.00	0.00	0.00
114	TRC	1295.40	2478.00	838.20	0.00	168.80	0.00
		218.40	143.20	0.00	0.00	0.00	0.00
115	TRC	1295.40	2478.00	838.20	0.00	158.80	0.00
		208.00	133.20	0.00	0.00	0.00	0.00
116	TRC	1295.40	2815.60	838.20	0.00	-168.80	0.00
		218.40	143.20	0.00	0.00	0.00	0.00
117	TRC	1295.40	2815.60	838.20	0.00	-158.80	0.00
		208.00	133.20	0.00	0.00	0.00	0.00
118	RCC	1295.40	2815.60	838.20	0.00	-40.80	0.00
		299.40	0.00	0.00	0.00	0.00	0.00
119	RCC	1295.40	570.00	838.20	0.00	-40.80	0.00
		299.40	0.00	0.00	0.00	0.00	0.00
120	TRC	1295.40	570.00	838.20	0.00	-168.80	0.00
		218.40	143.20	0.00	0.00	0.00	0.00
121	TRC	1295.40	570.00	838.20	0.00	-158.80	0.00
		208.00	133.20	0.00	0.00	0.00	0.00
122	TRC	1295.40	232.40	838.20	0.00	168.80	0.00
		218.40	143.20	0.00	0.00	0.00	0.00

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
123	TRC	1295.40	232.40	838.20	0.00	158.80	0.00
		208.00	133.20	0.00	0.00	0.00	0.00
124	RCC	1295.40	232.40	838.20	0.00	40.80	0.00
		299.40	0.00	0.00	0.00	0.00	0.00
125	RCC	1904.49	2780.00	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
126	RCC	1904.49	2780.00	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
127	RCC	1904.49	2780.00	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
128	RCC	1904.49	2525.70	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
129	RCC	1904.49	2525.70	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
130	RCC	1904.49	2525.70	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
131	RCC	1904.49	268.00	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
132	RCC	1904.49	268.00	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
133	RCC	1904.49	268.00	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
134	RCC	1904.49	522.30	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
135	RCC	1904.49	522.30	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
136	RCC	1904.49	522.30	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
137	RCC	2737.42	2780.00	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
138	RCC	2737.42	2780.00	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
139	RCC	2737.42	2780.00	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
140	RCC	2737.42	2525.70	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
141	RCC	2737.42	2525.70	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
142	RCC	2737.42	2525.70	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
143	RCC	2737.42	268.00	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
144	RCC	2737.42	268.00	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
145	RCC	2737.42	268.00	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
146	RCC	2737.42	522.30	461.00	0.00	-117.20	0.00

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		355.60	0.00	0.00	0.00	0.00	0.00
147	RCC	2737.42	522.30	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
148	RCC	2737.42	522.30	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
149	RCC	3837.19	2780.00	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
150	RCC	3837.19	2780.00	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
151	RCC	3837.19	2780.00	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
152	RCC	3837.19	2525.70	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
153	RCC	3837.19	2525.70	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
154	RCC	3837.19	2525.70	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
155	RCC	3837.19	268.00	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
156	RCC	3837.19	268.00	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
157	RCC	3837.19	268.00	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
158	RCC	3837.19	522.30	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
159	RCC	3837.19	522.30	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
160	RCC	3837.19	522.30	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
161	RCC	4595.12	2780.00	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
162	RCC	4595.12	2780.00	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
163	RCC	4595.12	2780.00	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
164	RCC	4595.12	2525.70	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
165	RCC	4595.12	2525.70	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
166	RCC	4595.12	2525.70	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
167	RCC	4595.12	268.00	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
168	RCC	4595.12	268.00	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
169	RCC	4595.12	268.00	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
170	RCC	4595.12	522.30	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
171	RCC	4595.12	522.30	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
172	RCC	4595.12	522.30	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
173	ARB8	3296.16	333.75	1890.27	3468.88	333.75	2225.55
		3468.88	2714.25	2225.55	3296.16	2714.25	1890.27
		3290.52	333.75	1893.18	3463.24	333.75	2228.46
		3463.24	2714.25	2228.46	3290.52	2714.25	1893.18
174	ARB8	3296.16	333.75	1890.27	3296.16	2714.25	1890.27
		3296.16	2714.25	1809.75	3296.16	333.75	1809.75
		3289.81	333.75	1890.27	3289.81	2714.25	1890.27
		3289.81	2714.25	1809.75	3289.81	333.75	1809.75
175	ARB8	3296.16	286.00	1809.75	3296.16	2754.30	1809.75
		3296.16	2754.30	1320.80	3296.16	286.00	1320.80
		3289.81	286.00	1809.75	3289.81	2754.30	1809.75
		3289.81	2754.30	1320.80	3289.81	286.00	1320.80
176	ARB8	3296.16	698.50	1320.80	3296.16	2349.50	1320.80
		3296.16	2349.50	1270.00	3296.16	698.50	1270.00
		3289.81	698.50	1320.80	3289.81	2349.50	1320.80
		3289.81	2349.50	1270.00	3289.81	698.50	1270.00
177	ARB8	3296.16	698.50	1270.00	3296.16	2349.50	1270.00
		3455.42	2349.50	733.55	3455.42	698.50	733.55
		3290.07	698.50	1268.20	3290.07	2349.50	1268.19
		3449.33	2349.50	731.75	3449.33	698.50	731.75
178	ARB8	3455.42	1021.08	733.55	3455.42	2026.92	733.55
		3522.48	1943.10	584.20	3522.48	1104.90	584.20
		3449.63	1021.08	730.95	3449.63	2026.92	730.95
		3516.68	1943.10	581.60	3516.68	1104.90	581.60
179	ARB8	5105.41	698.50	736.60	5105.41	2349.50	736.60
		5511.81	2349.50	421.64	5511.81	698.50	421.64
		5089.85	698.50	716.52	5089.85	2349.50	716.52
		5496.25	2349.50	401.57	5496.25	698.50	401.56
180	ARB8	2082.80	2041.65	736.60	2082.80	1006.35	736.60
		2082.80	1101.85	587.25	2082.80	1946.15	587.25
		5384.81	2041.65	736.60	5384.81	1006.35	736.60
		5384.81	1101.85	587.25	5384.81	1946.15	587.25
181	ARB8	2082.80	2049.02	736.60	2082.80	998.98	736.60
		2082.80	1094.49	580.90	2082.80	1953.52	580.90
		5384.81	2049.02	736.60	5384.81	998.98	736.60
		5384.81	1094.49	580.90	5384.81	1953.52	580.90
182	ARB8	5105.41	998.98	736.60	5105.41	698.50	736.60
		2082.80	698.50	736.60	2082.80	998.98	736.60
		5105.41	998.98	730.25	5105.41	698.50	730.25
		2082.80	698.50	730.25	2082.80	998.98	730.25
183	ARB8	5105.41	2049.02	736.60	5105.41	2349.50	736.60

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		2082.80	2349.50	736.60	2082.80	2049.02	736.60
		5105.41	2049.02	730.25	5105.41	2349.50	730.25
		2082.80	2349.50	730.25	2082.80	2049.02	730.25
184	ARB8	5105.41	2349.50	736.60	5511.81	2349.50	421.64
		5588.01	2349.50	421.64	5588.01	2349.50	736.60
		5105.41	571.50	736.60	5511.81	571.50	421.64
		5588.01	571.50	421.64	5588.01	571.50	736.60
185	ARB8	4595.12	2886.71	44.45	4595.12	2886.71	877.57
		1905.00	2886.71	877.57	1837.44	2886.71	44.45
		4595.12	2429.51	44.45	4595.12	2429.51	877.57
		1905.00	2429.51	877.57	1837.44	2429.51	44.45
186	ARB8	4595.12	2886.71	95.25	4595.12	2886.71	826.77
		1872.00	2886.71	826.77	1837.44	2886.71	95.25
		4595.12	2429.51	95.25	4595.12	2429.51	826.77
		1872.00	2429.51	826.77	1837.44	2429.51	95.25
187	RCC	4595.12	2886.71	461.01	0.00	-457.20	0.00
		416.56	0.00	0.00	0.00	0.00	0.00
188	RCC	4595.12	2886.71	461.01	0.00	-457.20	0.00
		365.76	0.00	0.00	0.00	0.00	0.00
189	RCC	1295.40	2886.71	838.20	0.00	-457.20	0.00
		350.27	0.00	0.00	0.00	0.00	0.00
190	RCC	1295.40	2886.71	838.20	0.00	-457.20	0.00
		299.47	0.00	0.00	0.00	0.00	0.00
191	ARB8	1837.44	2886.71	44.45	1905.00	2886.71	877.57
		1470.66	2886.71	1141.48	1120.14	2886.71	534.93
		1837.44	2429.51	44.45	1905.00	2429.51	877.57
		1470.66	2429.51	1141.48	1120.14	2429.51	534.93
192	ARB8	1847.44	2886.71	95.25	1915.00	2886.71	826.77
		1445.01	2886.71	1097.54	1145.54	2886.71	578.87
		1847.44	2429.51	95.25	1915.00	2429.51	826.77
		1445.01	2429.51	1097.54	1145.54	2429.51	578.87
193	ARB8	4595.12	618.49	44.45	4595.12	618.49	877.57
		1905.00	618.49	877.57	1837.44	618.49	44.45
		4595.12	161.29	44.45	4595.12	161.29	877.57
		1905.00	161.29	877.57	1837.44	161.29	44.45
194	ARB8	4595.12	618.49	95.25	4595.12	618.49	826.77
		1872.00	618.49	826.77	1837.44	618.49	95.25
		4595.12	161.29	95.25	4595.12	161.29	826.77
		1872.00	161.29	826.77	1837.44	161.29	95.25
195	RCC	4595.12	618.49	461.01	0.00	-457.20	0.00
		416.56	0.00	0.00	0.00	0.00	0.00
196	RCC	4595.12	618.49	461.01	0.00	-457.20	0.00
		365.76	0.00	0.00	0.00	0.00	0.00
197	RCC	1295.40	618.49	838.20	0.00	-457.20	0.00
		350.27	0.00	0.00	0.00	0.00	0.00
198	RCC	1295.40	618.49	838.20	0.00	-457.20	0.00
		299.47	0.00	0.00	0.00	0.00	0.00

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
199	ARB8	1837.44	618.49	44.45	1905.00	618.49	877.57
		1470.66	618.49	1141.48	1120.14	618.49	534.93
		1837.44	161.29	44.45	1905.00	161.29	877.57
		1470.66	161.29	1141.48	1120.14	161.29	534.93
200	ARB8	1847.44	618.49	95.25	1915.00	618.49	826.77
		1445.01	618.49	1097.54	1145.54	618.49	578.87
		1847.44	161.29	95.25	1915.00	161.29	826.77
		1445.01	161.29	1097.54	1145.54	161.29	578.87
201	ARB8	3086.10	2762.25	1820.17	1919.48	2762.25	1820.17
		1919.48	2762.25	1300.23	3086.10	2762.25	1300.23
		3086.10	2755.90	1820.17	1919.48	2755.90	1820.17
		1919.48	2755.90	1300.23	3086.10	2755.90	1300.23
202	ARB8	3086.10	285.75	2036.32	1919.48	285.75	2036.32
		1919.48	285.75	1300.23	3086.10	285.75	1300.23
		3086.10	279.40	2036.32	1919.48	279.40	2036.32
		1919.48	279.40	1300.23	3086.10	279.40	1300.23
203	RCC	4105.15	2781.30	1352.55	0.00	-25.40	0.00
		1402.08	0.00	0.00	0.00	0.00	0.00
204	ARB8	5506.98	2781.30	485.65	5506.98	2781.30	1900.18
		4400.56	2781.30	1900.18	4769.87	2781.30	1300.23
		5506.98	2755.90	485.65	5506.98	2755.90	1900.18
		4400.56	2755.90	1900.18	4769.87	2755.90	1300.23
205	ARB8	4769.87	2762.25	1300.23	4400.56	2762.25	1900.18
		3086.10	2762.25	2036.32	3086.10	2762.25	1300.23
		4769.87	2755.90	1300.23	4400.56	2755.90	1900.18
		3086.10	2755.90	2036.32	3086.10	2755.90	1300.23
206	RCC	4105.15	279.40	1352.55	0.00	-25.40	0.00
		1402.08	0.00	0.00	0.00	0.00	0.00
207	ARB8	5506.98	279.40	485.65	5506.98	279.40	1900.18
		4400.56	279.40	1900.18	4769.87	279.40	1300.23
		5506.98	254.00	485.65	5506.98	254.00	1900.18
		4400.56	254.00	1900.18	4769.87	254.00	1300.23
208	ARB8	4769.87	279.40	1300.23	4400.56	279.40	1900.18
		3086.10	279.40	2036.32	3086.10	279.40	1300.23
		4769.87	273.05	1300.23	4400.56	273.05	1900.18
		3086.10	273.05	2036.32	3086.10	273.05	1300.23
209	ARB8	2905.51	2921.00	1403.35	2905.51	2921.00	1300.23
		4105.15	2921.00	1300.23	3993.39	2921.00	1403.35
		2905.51	2762.25	1403.35	2905.51	2762.25	1300.23
		4105.15	2762.25	1300.23	3993.39	2762.25	1403.35
210	ARB8	4155.95	2921.00	1356.11	4049.27	2921.00	1459.23
		3993.39	2921.00	1403.35	4105.15	2921.00	1300.23
		4155.95	2762.25	1356.11	4049.27	2762.25	1459.23
		3993.39	2762.25	1403.35	4105.15	2762.25	1300.23
211	RCC	4105.15	2921.00	1403.35	0.00	-158.75	0.00
		76.20	0.00	0.00	0.00	0.00	0.00
212	ARB8	2905.51	285.75	1403.35	2905.51	285.75	1300.23

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		4105.15	285.75	1300.23	3993.39	285.75	1403.35
		2905.51	127.00	1403.35	2905.51	127.00	1300.23
		4105.15	127.00	1300.23	3993.39	127.00	1403.35
213	ARBB	4155.95	285.75	1356.11	4049.27	285.75	1459.23
		3993.39	285.75	1403.35	4105.15	285.75	1300.23
		4155.95	127.00	1356.11	4049.27	127.00	1459.23
		3993.39	127.00	1403.35	4105.15	127.00	1300.23
214	RCC	4105.15	285.75	1403.35	0.00	-158.75	0.00
		76.20	0.00	0.00	0.00	0.00	0.00
215	RCC	1295.40	2308.86	838.20	0.00	-1569.72	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
216	ARBB	1089.66	2308.86	395.23	1089.66	2308.86	535.43
		863.60	2308.86	535.43	958.85	2308.86	438.15
		1089.66	739.14	395.23	1089.66	739.14	535.43
		863.60	739.14	535.43	958.85	739.14	438.15
217	RCC	685.80	1752.60	889.00	0.00	-482.60	0.00
		127.00	0.00	0.00	0.00	0.00	0.00
218	ARBB	25.40	1752.60	444.50	25.40	1752.60	812.80
		304.80	1752.60	812.80	304.80	1752.60	444.50
		25.40	2209.80	444.50	25.40	2209.80	812.80
		304.80	2209.80	812.80	304.80	2209.80	444.50
219	ARBB	1008.13	647.70	1181.86	1008.13	2400.30	1181.86
		863.60	2400.30	535.43	863.60	647.70	535.43
		995.73	647.70	1184.64	995.73	2400.30	1184.64
		851.21	2400.30	538.21	851.21	647.70	538.21
220	ARBB	304.80	647.70	822.20	304.80	2400.30	822.20
		863.60	2400.30	535.43	863.60	647.70	535.43
		300.45	647.70	813.73	300.45	2400.30	813.73
		859.25	2400.30	526.96	859.25	647.70	526.96
221	ARBB	304.80	2921.00	1181.86	304.80	2921.00	1373.13
		304.80	127.00	1373.13	304.80	127.00	1181.86
		492.76	2921.00	1181.86	492.76	2921.00	1373.13
		492.76	127.00	1373.13	492.76	127.00	1181.86
222	ARBB	1008.13	2393.95	1181.86	863.60	2393.95	535.43
		304.80	2393.95	822.20	304.80	2393.95	1181.86
		1008.13	2403.48	1181.86	863.60	2403.48	535.43
		304.80	2403.48	822.20	304.80	2403.48	1181.86
223	ARBB	1008.13	635.00	1181.86	863.60	635.00	535.43
		304.80	635.00	822.20	304.80	635.00	1181.86
		1008.13	644.52	1181.86	863.60	644.52	535.43
		304.80	644.52	822.20	304.80	644.52	1181.86
224	ARBB	304.80	647.70	822.20	304.80	647.70	1181.86
		304.80	2400.30	1181.86	304.80	2400.30	822.20
		295.27	647.70	822.20	295.27	647.70	1181.86
		295.27	2400.30	1181.86	295.27	2400.30	822.20
225	ARBB	1750.00	2895.60	1373.13	1750.00	152.40	1373.13
		492.76	152.40	1373.13	492.76	2895.60	1373.13

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		1750.00	2895.60	1363.60	1750.00	152.40	1363.60
		492.76	152.40	1363.60	492.76	2895.60	1363.60
226	ARBB	1919.48	2921.00	1181.91	1919.48	2921.00	2172.72
		1792.48	2921.00	2184.40	1792.48	2921.00	1181.91
		1919.48	2762.25	1181.91	1919.48	2762.25	2172.72
		1792.48	2762.25	2184.40	1792.48	2762.25	1181.91
227	ARBB	304.80	2921.00	1373.13	406.40	2921.00	1373.13
		406.40	2921.00	2336.80	304.80	2921.00	2336.80
		304.80	2819.40	1373.13	406.40	2819.40	1373.13
		406.40	2819.40	2336.80	304.80	2819.40	2336.80
228	ARBB	1792.48	2895.60	1363.60	492.76	2895.60	1363.60
		492.76	2895.60	1181.86	1792.48	2895.60	1181.91
		1792.48	2393.95	1363.60	492.76	2393.95	1363.60
		492.76	2393.95	1181.86	1792.48	2393.95	1181.91
229	ARBB	1919.48	285.75	1181.91	1919.48	285.75	2172.72
		1792.48	285.75	2184.40	1792.48	285.75	1181.91
		1919.48	127.00	1181.91	1919.48	127.00	2172.72
		1792.48	127.00	2184.40	1792.48	127.00	1181.91
230	ARBB	304.80	228.60	1373.13	406.40	228.60	1373.13
		406.40	228.60	2336.80	304.80	228.60	2336.80
		304.80	127.00	1373.13	406.40	127.00	1373.13
		406.40	127.00	2336.80	304.80	127.00	2336.80
231	ARBB	1792.48	654.05	1363.60	492.76	654.05	1363.60
		492.76	654.05	1181.86	1792.48	654.05	1181.91
		1792.48	152.40	1363.60	492.76	152.40	1363.60
		492.76	152.40	1181.86	1792.48	152.40	1181.91
232	ARBB	518.13	2746.51	1981.20	518.13	2098.81	1981.20
		518.13	2098.81	1384.30	518.13	2746.51	1384.30
		1750.03	2746.51	1981.20	1750.03	2098.81	1981.20
		1750.03	2098.81	1384.30	1750.03	2746.51	1384.30
233	ARBB	518.13	2746.51	1384.30	518.13	2378.20	1384.30
		518.13	2378.20	1206.50	518.13	2746.51	1206.50
		1750.03	2746.51	1384.30	1750.03	2378.20	1384.30
		1750.03	2378.20	1206.50	1750.03	2746.51	1206.50
234	ARBB	521.43	2743.20	1978.15	521.43	2101.85	1978.15
		521.43	2101.85	1387.35	521.43	2743.20	1387.35
		1746.99	2743.20	1978.15	1746.99	2101.85	1978.15
		1746.99	2101.85	1387.35	1746.99	2743.20	1387.35
235	ARBB	521.43	2743.20	1387.35	521.43	2381.25	1387.35
		521.43	2381.25	1209.55	521.43	2743.20	1209.55
		1746.99	2743.20	1387.35	1746.99	2381.25	1387.35
		1746.99	2381.25	1209.55	1746.99	2743.20	1209.55
236	ARBB	2997.20	2921.00	1293.88	1919.48	2921.00	1293.88
		1919.48	2921.00	1181.86	2997.20	2921.00	1243.08
		2997.20	2393.95	1293.88	1919.48	2393.95	1293.88
		1919.48	2393.95	1181.86	2997.20	2393.95	1243.08
237	ARBB	2997.20	654.05	1293.88	1919.48	654.05	1293.88

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		1919.48	654.05	1181.86	2997.20	654.05	1243.08
		2997.20	127.00	1293.88	1919.48	127.00	1293.88
		1919.48	127.00	1181.86	2997.20	127.00	1243.08
238	ARBB	304.80	1826.77	1373.13	406.40	1826.77	1373.13
		406.40	1826.77	2336.80	304.80	1826.77	2336.80
		304.80	1725.17	1373.13	406.40	1725.17	1373.13
		406.40	1725.17	2336.80	304.80	1725.17	2336.80
239	ARBB	304.80	782.32	1373.13	406.40	782.32	1373.13
		406.40	782.32	2336.80	304.80	782.32	2336.80
		304.80	680.72	1373.13	406.40	680.72	1373.13
		406.40	680.72	2336.80	304.80	680.72	2336.80
240	ARBB	2906.02	2762.25	1300.23	2906.02	2762.25	2038.35
		2906.02	2921.00	2038.35	2906.02	2921.00	1300.23
		2804.42	2762.25	1300.23	2804.42	2762.25	2038.35
		2804.42	2921.00	2038.35	2804.42	2921.00	1300.23
241	ARBB	2906.02	127.00	1300.23	2906.02	127.00	2038.35
		2906.02	285.75	2038.35	2906.02	285.75	1300.23
		2804.42	127.00	1300.23	2804.42	127.00	2038.35
		2804.42	285.75	2038.35	2804.42	285.75	1300.23
242	ARBB	1792.48	2921.00	2184.40	406.40	2921.00	2336.80
		406.40	2921.00	2260.60	1792.48	2921.00	2108.20
		1792.48	2844.80	2184.40	406.40	2844.80	2336.80
		406.40	2844.80	2260.60	1792.48	2844.80	2108.20
243	ARBB	1792.48	203.20	2184.40	406.40	203.20	2336.80
		406.40	203.20	2260.60	1792.48	203.20	2108.20
		1792.48	127.00	2184.40	406.40	127.00	2336.80
		406.40	127.00	2260.60	1792.48	127.00	2108.20
244	ARBB	1574.80	1686.56	2336.80	1574.80	444.50	2336.80
		1574.80	444.50	1422.40	1574.80	1686.56	1422.40
		1727.20	1686.56	2336.80	1727.20	444.50	2336.80
		1727.20	444.50	1422.40	1727.20	1686.56	1422.40
245	ARBB	1792.48	2921.00	2184.40	406.40	2921.00	2336.80
		406.40	2921.00	1373.13	1792.48	2921.00	1373.13
		1792.48	2885.95	2184.40	406.40	2885.95	2336.80
		406.40	2885.95	1373.13	1792.48	2885.95	1373.13
246	ARBB	1792.48	2885.95	1439.80	1792.48	2917.96	1408.05
		1792.48	2917.96	1338.20	1792.48	2885.95	1306.45
		406.40	2885.95	1439.80	406.40	2917.96	1408.05
		406.40	2917.96	1338.20	406.40	2885.95	1306.45
247	ARBB	1792.48	2921.00	1411.61	1792.48	2889.00	1443.36
		1792.48	2889.00	1513.21	1792.48	2921.00	1544.96
		406.40	2921.00	1411.61	406.40	2889.00	1443.36
		406.40	2889.00	1513.21	406.40	2921.00	1544.96
248	ARBB	1792.48	2885.95	1650.11	1792.48	2917.96	1618.36
		1792.48	2917.96	1548.51	1792.48	2885.95	1516.76
		406.40	2885.95	1650.11	406.40	2917.96	1618.36
		406.40	2917.96	1548.51	406.40	2885.95	1516.76

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
249	ARB8	1792.48	2921.00	1621.92	1792.48	2889.00	1653.67
		1792.48	2889.00	1723.52	1792.48	2921.00	1755.27
		406.40	2921.00	1621.92	406.40	2889.00	1653.67
		406.40	2889.00	1723.52	406.40	2921.00	1755.27
250	ARB8	1792.48	2885.95	1860.43	1792.48	2917.96	1828.68
		1792.48	2917.96	1758.83	1792.48	2885.95	1727.08
		406.40	2885.95	1860.43	406.40	2917.96	1828.68
		406.40	2917.96	1758.83	406.40	2885.95	1727.08
251	ARB8	1792.48	2921.00	1832.23	1792.48	2889.00	1863.98
		1792.48	2889.00	1933.83	1792.48	2921.00	1965.58
		406.40	2921.00	1832.23	406.40	2889.00	1863.98
		406.40	2889.00	1933.83	406.40	2921.00	1965.58
252	ARB8	1792.48	2885.95	2070.74	1792.48	2917.96	2038.99
		1792.48	2917.96	1969.14	1792.48	2885.95	1937.39
		406.40	2885.95	2070.74	406.40	2917.96	2038.99
		406.40	2917.96	1969.14	406.40	2885.95	1937.39
253	ARB8	1792.48	2921.00	2042.54	1792.48	2889.00	2074.29
		1792.48	2889.00	2144.14	1792.48	2921.00	2175.89
		406.40	2921.00	2042.54	406.40	2889.00	2074.29
		406.40	2889.00	2144.14	406.40	2921.00	2175.89
254	ARB8	1792.48	2885.95	2281.05	1792.48	2917.96	2249.30
		1792.48	2917.96	2179.45	1792.48	2885.95	2147.70
		406.40	2885.95	2281.05	406.40	2917.96	2249.30
		406.40	2917.96	2179.45	406.40	2885.95	2147.70
255	ARB8	1792.48	162.05	2184.40	406.40	162.05	2336.80
		406.40	162.05	1373.13	1792.48	162.05	1373.13
		1792.48	127.00	2184.40	406.40	127.00	2336.80
		406.40	127.00	1373.13	1792.48	127.00	1373.13
256	ARB8	1792.48	127.00	1439.80	1792.48	159.00	1408.05
		1792.48	159.00	1338.20	1792.48	127.00	1306.45
		406.40	127.00	1439.80	406.40	159.00	1408.05
		406.40	159.00	1338.20	406.40	127.00	1306.45
257	ARB8	1792.48	162.05	1411.61	1792.48	130.05	1443.36
		1792.48	130.05	1513.21	1792.48	162.05	1544.96
		406.40	162.05	1411.61	406.40	130.05	1443.36
		406.40	130.05	1513.21	406.40	162.05	1544.96
258	ARB8	1792.48	127.00	1650.11	1792.48	159.00	1618.36
		1792.48	159.00	1548.51	1792.48	127.00	1516.76
		406.40	127.00	1650.11	406.40	159.00	1618.36
		406.40	159.00	1548.51	406.40	127.00	1516.76
259	ARB8	1792.48	162.05	1621.92	1792.48	130.05	1653.67
		1792.48	130.05	1723.52	1792.48	162.05	1755.27
		406.40	162.05	1621.92	406.40	130.05	1653.67
		406.40	130.05	1723.52	406.40	162.05	1755.27
260	ARB8	1792.48	127.00	1860.43	1792.48	159.00	1828.68
		1792.48	159.00	1758.83	1792.48	127.00	1727.08
		406.40	127.00	1860.43	406.40	159.00	1828.68

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		406.40	159.00	1758.83	406.40	127.00	1727.08
261	ARB8	1792.48	162.05	1832.23	1792.48	130.05	1863.98
		1792.48	130.05	1933.83	1792.48	162.05	1965.58
		406.40	162.05	1832.23	406.40	130.05	1863.98
		406.40	130.05	1933.83	406.40	162.05	1965.58
262	ARB8	1792.48	127.00	2070.74	1792.48	159.00	2038.99
		1792.48	159.00	1969.14	1792.48	127.00	1937.39
		406.40	127.00	2070.74	406.40	159.00	2038.99
		406.40	159.00	1969.14	406.40	127.00	1937.39
263	ARB8	1792.48	162.05	2042.54	1792.48	130.05	2074.29
		1792.48	130.05	2144.14	1792.48	162.05	2175.89
		406.40	162.05	2042.54	406.40	130.05	2074.29
		406.40	130.05	2144.14	406.40	162.05	2175.89
264	ARB8	1792.48	127.00	2281.05	1792.48	159.00	2249.30
		1792.48	159.00	2179.45	1792.48	127.00	2147.70
		406.40	127.00	2281.05	406.40	159.00	2249.30
		406.40	159.00	2179.45	406.40	127.00	2147.70
265	ARB8	406.40	680.72	2336.80	304.80	680.72	2336.80
		304.80	680.72	2235.20	406.40	680.72	2235.20
		406.40	228.60	2336.80	304.80	228.60	2336.80
		304.80	228.60	2235.20	406.40	228.60	2235.20
266	ARB8	406.40	2819.40	2336.80	304.80	2819.40	2336.80
		304.80	2819.40	2235.20	406.40	2819.40	2235.20
		406.40	1826.77	2336.80	304.80	1826.77	2336.80
		304.80	1826.77	2235.20	406.40	1826.77	2235.20
267	ARB8	2804.42	2895.60	1410.72	1919.48	2895.60	1410.72
		1919.48	2895.60	1300.23	2804.42	2895.60	1300.23
		2804.42	2762.25	1410.72	1919.48	2762.25	1410.72
		1919.48	2762.25	1300.23	2804.42	2762.25	1300.23
268	ARB8	2804.42	285.75	1410.72	1919.48	285.75	1410.72
		1919.48	285.75	1300.23	2804.42	285.75	1300.23
		2804.42	152.40	1410.72	1919.48	152.40	1410.72
		1919.48	152.40	1300.23	2804.42	152.40	1300.23
269	ARB8	304.80	2819.40	2336.80	304.80	228.60	2336.80
		304.80	228.60	1373.13	304.80	2819.40	1373.13
		339.85	2819.40	2336.80	339.85	228.60	2336.80
		339.85	228.60	1373.13	339.85	2819.40	1373.13
270	ARB8	350.52	2819.40	1439.80	307.85	2819.40	1408.05
		307.85	2819.40	1338.20	350.52	2819.40	1306.45
		350.52	228.60	1439.80	307.85	228.60	1408.05
		307.85	228.60	1338.20	350.52	228.60	1306.45
271	ARB8	304.80	2819.40	1411.61	336.80	2819.40	1443.36
		336.80	2819.40	1513.21	304.80	2819.40	1544.96
		304.80	228.60	1411.61	336.80	228.60	1443.36
		336.80	228.60	1513.21	304.80	228.60	1544.96
272	ARB8	350.52	2819.40	1650.11	307.85	2819.40	1618.36
		307.85	2819.40	1548.51	350.52	2819.40	1516.76

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		350.52	228.60	1650.11	307.85	228.60	1618.36
		307.85	228.60	1548.51	350.52	228.60	1516.76
273	ARB8	304.80	2819.40	1621.92	336.80	2819.40	1653.67
		336.80	2819.40	1723.52	304.80	2819.40	1755.27
		304.80	228.60	1621.92	336.80	228.60	1653.67
		336.80	228.60	1723.52	304.80	228.60	1755.27
274	ARB8	350.52	2819.40	1860.43	307.85	2819.40	1828.68
		307.85	2819.40	1758.83	350.52	2819.40	1727.08
		350.52	228.60	1860.43	307.85	228.60	1828.68
		307.85	228.60	1758.83	350.52	228.60	1727.08
275	ARB8	304.80	2819.40	1832.23	336.80	2819.40	1863.98
		336.80	2819.40	1933.83	304.80	2819.40	1965.58
		304.80	228.60	1832.23	336.80	228.60	1863.98
		336.80	228.60	1933.83	304.80	228.60	1965.58
276	ARB8	350.52	2819.40	2070.74	307.85	2819.40	2038.99
		307.85	2819.40	1969.14	350.52	2819.40	1937.39
		350.52	228.60	2070.74	307.85	228.60	2038.99
		307.85	228.60	1969.14	350.52	228.60	1937.39
277	ARB8	304.80	2819.40	2042.54	336.80	2819.40	2074.29
		336.80	2819.40	2144.14	304.80	2819.40	2175.89
		304.80	228.60	2042.54	336.80	228.60	2074.29
		336.80	228.60	2144.14	304.80	228.60	2175.89
278	ARB8	350.52	2819.40	2281.05	307.85	2819.40	2249.30
		307.85	2819.40	2179.45	350.52	2819.40	2147.70
		350.52	228.60	2281.05	307.85	228.60	2249.30
		307.85	228.60	2179.45	350.52	228.60	2147.70
279	ARB8	495.81	784.35	1701.80	495.81	479.55	1701.80
		495.81	479.55	1397.00	495.81	784.35	1397.00
		1158.24	784.35	1701.80	1158.24	479.55	1701.80
		1158.24	479.55	1397.00	1158.24	784.35	1397.00
280	ARB8	487.68	528.32	2306.32	487.68	223.52	2306.32
		487.68	223.52	1981.20	487.68	528.32	1981.20
		1300.48	528.32	2306.32	1300.48	223.52	2306.32
		1300.48	223.52	1981.20	1300.48	528.32	1981.20
281	ARB8	152.40	2235.20	1879.60	152.40	1879.60	1879.60
		152.40	1879.60	1412.24	152.40	2235.20	1412.24
		294.64	2235.20	1879.60	294.64	1879.60	1879.60
		294.64	1879.60	1412.24	294.64	2235.20	1412.24
282	ARB8	152.40	634.00	1879.60	152.40	269.00	1879.60
		152.40	269.00	1412.24	152.40	634.00	1412.24
		294.64	634.00	1879.60	294.64	269.00	1879.60
		294.64	269.00	1412.24	294.64	634.00	1412.24
283	RCC	1381.76	304.80	2143.76	0.00	0.00	-589.28
		111.76	0.00	0.00	0.00	0.00	0.00
284	RCC	1381.76	304.80	2143.76	0.00	0.00	325.12
		25.40	0.00	0.00	0.00	0.00	0.00
285	RCC	1617.47	304.80	2143.76	0.00	0.00	-589.28

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		111.76	0.00	0.00	0.00	0.00	0.00
286	RCC	1617.47	304.80	2143.76	0.00	0.00	325.12
		25.40	0.00	0.00	0.00	0.00	0.00
287	RPP	2181.70	2905.70	1052.53	1356.53	1410.41	1763.41
288	BOX	2181.70	1356.53	1505.41	0.00	-178.00	178.00
		0.00	323.00	323.00	724.00	0.00	0.00
289	RAW	2181.70	1679.53	1828.41	0.00	-85.00	-85.00
		0.00	-85.00	85.00	724.00	0.00	0.00
290	BOX	2181.70	1052.53	1505.41	0.00	-323.00	323.00
		0.00	178.00	178.00	724.00	0.00	0.00
291	RAW	2181.70	729.53	1828.41	0.00	85.00	85.00
		0.00	85.00	-85.00	724.00	0.00	0.00
292	RPP	2271.70	2495.70	1073.53	1335.53	1115.41	1410.41
293	RAW	2495.70	1335.53	1410.41	340.00	0.00	0.00
		0.00	0.00	-179.00	0.00	-262.00	0.00
294	TRC	2181.70	1204.53	1505.41	-75.00	0.00	0.00
		95.00	46.00	0.00	0.00	0.00	0.00
295	RCC	2106.70	1204.53	1505.41	-49.00	0.00	0.00
		152.00	0.00	0.00	0.00	0.00	0.00
296	RCC	2294.70	1560.53	1619.41	0.00	-45.00	45.00
		32.50	0.00	0.00	0.00	0.00	0.00
297	BOX	2294.70	1583.53	1642.41	0.00	-45.00	45.00
		0.00	-46.00	-46.00	512.00	0.00	0.00
298	RCC	2806.70	1560.53	1619.41	0.00	-45.00	45.00
		32.50	0.00	0.00	0.00	0.00	0.00
299	RCC	2082.70	1560.53	1619.41	732.50	0.00	0.00
		44.00	0.00	0.00	0.00	0.00	0.00
300	RCC	2082.70	1560.53	1619.41	0.00	0.00	90.00
		44.00	0.00	0.00	0.00	0.00	0.00
301	RCC	2082.70	1560.53	1709.41	0.00	-356.00	162.00
		44.00	0.00	0.00	0.00	0.00	0.00
302	RCC	2082.70	1204.53	1871.41	0.00	0.00	188.00
		44.00	0.00	0.00	0.00	0.00	0.00
303	RCC	2082.70	848.53	1619.41	0.00	356.00	252.00
		44.00	0.00	0.00	0.00	0.00	0.00
304	RCC	2082.70	848.53	1619.41	732.50	0.00	0.00
		44.00	0.00	0.00	0.00	0.00	0.00
305	RCC	2806.70	848.53	1619.41	0.00	45.00	45.00
		32.50	0.00	0.00	0.00	0.00	0.00
306	BOX	2294.70	825.53	1642.41	0.00	45.00	45.00
		0.00	46.00	-46.00	512.00	0.00	0.00
307	RCC	2294.70	848.53	1619.41	0.00	45.00	45.00
		32.50	0.00	0.00	0.00	0.00	0.00
308	ARB8	5717.82	2781.30	1163.83	5717.82	2781.30	1800.87
		5463.05	2781.30	1800.87	5463.05	2781.30	1163.83
		5717.82	2755.90	1163.83	5717.82	2755.90	1800.87
		5463.05	2755.90	1800.87	5463.05	2755.90	1163.83

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
309	ARB8	5717.82	2781.30	1163.83	5356.88	2781.30	1163.83
		5356.88	2781.30	739.14	5547.89	2781.30	739.14
		5717.82	2755.90	1163.83	5356.88	2755.90	1163.83
		5356.88	2755.90	739.14	5547.89	2755.90	739.14
310	ARB8	5547.89	2781.30	739.14	5356.88	2781.30	739.14
		5356.88	2781.30	598.93	5399.30	2781.30	565.15
		5547.89	2755.90	739.14	5356.88	2755.90	739.14
		5356.88	2755.90	598.93	5399.30	2755.90	565.15
311	ARB8	5717.82	279.40	1163.83	5717.82	279.40	1800.87
		5463.05	279.40	1800.87	5463.05	279.40	1163.83
		5717.82	254.00	1163.83	5717.82	254.00	1800.87
		5463.05	254.00	1800.87	5463.05	254.00	1163.83
312	ARB8	5717.82	279.40	1163.83	5356.88	279.40	1163.83
		5356.88	279.40	739.14	5547.89	279.40	739.14
		5717.82	254.00	1163.83	5356.88	254.00	1163.83
		5356.88	254.00	739.14	5547.89	254.00	739.14
313	ARB8	5547.89	279.40	739.14	5356.88	279.40	739.14
		5356.88	279.40	598.93	5399.30	279.40	565.15
		5547.89	254.00	739.14	5356.88	254.00	739.14
		5356.88	254.00	598.93	5399.30	254.00	565.15
314	ARB8	5717.82	2921.01	1163.83	5887.74	2921.01	1163.83
		6036.33	2921.01	1626.88	5717.82	2921.01	1724.41
		5717.82	127.00	1163.83	5887.74	127.00	1163.83
		6036.33	127.00	1626.88	5717.82	127.00	1724.41
315	ARB8	5891.81	2921.01	968.51	5891.81	2921.01	1163.83
		5717.82	2921.01	1163.83	5633.74	2921.01	947.42
		5891.81	127.00	968.51	5891.81	127.00	1163.83
		5717.82	127.00	1163.83	5633.74	127.00	947.42
316	ARB8	6027.70	2921.01	692.41	5900.44	2921.01	938.79
		5781.32	2921.01	904.75	5781.32	2921.01	429.26
		6027.70	127.00	692.41	5900.44	127.00	938.79
		5781.32	127.00	904.75	5781.32	127.00	429.26
317	ARB8	6027.70	2921.01	692.41	5781.32	2921.01	429.26
		5993.92	2921.01	352.55	6268.74	2921.01	355.60
		6027.70	127.00	692.41	5781.32	127.00	429.26
		5993.92	127.00	352.55	6268.74	127.00	355.60
318	ARB8	5730.52	2895.61	1163.83	5847.10	2895.61	1163.83
		5995.69	2895.61	1614.18	5730.52	2895.61	1711.71
		5730.52	152.40	1163.83	5847.10	152.40	1163.83
		5995.69	152.40	1614.18	5730.52	152.40	1711.71
319	ARB8	5851.17	2895.61	993.91	5851.17	2895.61	1151.13
		5730.52	2895.61	1151.13	5646.44	2895.61	972.82
		5851.17	152.40	993.91	5851.17	152.40	1151.13
		5730.52	152.40	1151.13	5646.44	152.40	972.82
320	ARB8	6002.30	2895.61	692.41	5875.04	2895.61	913.39
		5794.02	2895.61	879.35	5794.02	2895.61	429.26
		6002.30	152.40	692.41	5875.04	152.40	913.39

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		5794.02	152.40	879.35	5794.02	152.40	429.26
321	ARB8	6002.30	2895.61	692.41	5794.02	2895.61	429.26
		5993.92	2895.61	365.25	6243.34	2895.61	368.30
		6002.30	152.40	692.41	5794.02	152.40	429.26
		5993.92	152.40	365.25	6243.34	152.40	368.30
322	ARB8	4250.20	254.00	1316.23	5680.22	254.00	1316.23
		5680.22	254.00	1808.49	4386.34	254.00	1808.49
		4250.20	170.18	1316.23	5680.22	170.18	1316.23
		5680.22	170.18	1808.49	4386.34	170.18	1808.49
323	ARB8	4250.20	2781.31	1316.23	5680.22	2781.31	1316.23
		5680.22	2781.31	1808.49	4386.34	2781.31	1808.49
		4250.20	2865.13	1316.23	5680.22	2865.13	1316.23
		5680.22	2865.13	1808.49	4386.34	2865.13	1808.49
324	RCC	2905.77	1203.96	1248.67	142.24	0.00	0.00
		266.70	0.00	0.00	0.00	0.00	0.00
325	RCC	2905.77	1493.53	789.94	142.24	0.00	0.00
		266.70	0.00	0.00	0.00	0.00	0.00
326	ARB8	2905.77	929.64	1130.30	2905.77	1333.51	1376.69
		2905.77	1643.39	815.34	2905.77	1280.17	607.06
		3032.77	929.64	1130.30	3032.77	1333.51	1376.69
		3032.77	1643.39	815.34	3032.77	1280.17	607.06
327	ARB8	2905.77	1217.17	1099.32	2905.77	1750.57	1099.32
		2905.77	1750.57	416.56	2905.77	1217.17	416.56
		2105.67	1217.17	1099.32	2105.67	1750.57	1099.32
		2105.67	1750.57	416.56	2105.67	1217.17	416.56
328	RCC	2105.67	1494.54	789.94	-106.68	0.00	0.00
		86.36	0.00	0.00	0.00	0.00	0.00
329	RCC	2019.31	1494.54	789.94	-320.04	0.00	48.26
		40.64	0.00	0.00	0.00	0.00	0.00
330	RCC	1699.27	1494.54	838.20	-106.68	0.00	0.00
		86.36	0.00	0.00	0.00	0.00	0.00
331	RCC	1592.59	1494.54	838.20	-586.74	0.00	0.00
		139.70	0.00	0.00	0.00	0.00	0.00
332	ARB8	1549.41	1799.34	838.20	1549.41	1799.34	1073.15
		1102.36	1799.34	1073.15	1102.36	1799.34	838.20
		1549.41	1189.74	838.20	1549.41	1189.74	1073.15
		1102.36	1189.74	1073.15	1102.36	1189.74	838.20
333	ARB8	1524.01	1799.34	838.20	1050.04	1799.34	838.20
		1210.06	1799.34	496.83	1524.01	1799.34	496.83
		1524.01	1189.74	838.20	1050.04	1189.74	838.20
		1210.06	1189.74	496.83	1524.01	1189.74	496.83
334	ARB8	643.50	2041.17	840.69	643.50	2041.17	1046.51
		755.48	2041.17	1046.51	755.48	2041.17	830.89
		643.50	1913.76	840.69	643.50	1913.76	1046.51
		755.48	1913.76	1046.51	755.48	1913.76	830.89
335	ARB8	3066.41	1619.72	772.08	3168.22	1619.72	772.08
		3168.22	1472.71	772.08	3066.41	1472.71	772.08

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		3066.41	1619.72	634.86	3168.22	1619.72	634.86
		3168.22	1472.71	634.86	3066.41	1472.71	634.86
336	ARB8	2801.73	2345.01	1899.21	2893.35	2345.01	2065.83
		2954.43	2345.01	2016.83	2883.17	2345.01	1860.01
		2801.73	2070.58	1899.21	2893.35	2070.58	2065.83
		2954.43	2070.58	2016.83	2883.17	2070.58	1860.01
337	RCC	3200.41	212.09	1555.76	635.00	0.00	136.40
		60.96	0.00	0.00	0.00	0.00	0.00
338	RCC	3835.42	212.09	1692.15	457.20	0.00	98.55
		20.32	0.00	0.00	0.00	0.00	0.00
339	RCC	3200.41	2823.22	1555.76	635.00	0.00	136.40
		60.96	0.00	0.00	0.00	0.00	0.00
340	RCC	3835.42	2823.22	1692.15	457.20	0.00	98.55
		20.32	0.00	0.00	0.00	0.00	0.00
341	AR88	1762.77	1727.21	2369.83	1762.77	873.76	2369.83
		3124.21	873.76	2369.83	3124.21	1727.21	2369.83
		1762.77	1727.21	2373.00	1762.77	873.76	2373.00
		3124.21	873.76	2373.00	3124.21	1727.21	2373.00
342	RCC	3124.21	670.56	2004.07	-685.80	0.00	81.28
		203.20	0.00	0.00	0.00	0.00	0.00
343	RCC	4595.13	267.97	461.01	0.00	-50.80	0.00
		101.60	0.00	0.00	0.00	0.00	0.00
344	RCC	1905.01	267.97	461.01	0.00	-50.80	0.00
		101.60	0.00	0.00	0.00	0.00	0.00
345	RCC	4595.13	2780.04	461.01	0.00	-50.80	0.00
		101.60	0.00	0.00	0.00	0.00	0.00
346	RCC	1905.01	2780.04	461.01	0.00	-50.80	0.00
		101.60	0.00	0.00	0.00	0.00	0.00
347	AR88	2921.01	1727.21	2369.83	2921.01	873.76	2369.83
		3124.21	873.76	2369.83	3124.21	1727.21	2369.83
		2921.01	1727.21	1371.61	2921.01	873.76	1371.61
		3124.21	873.76	1371.61	3124.21	1727.21	1371.61
348	AR88	2921.01	1722.13	2364.75	2921.01	878.84	2364.75
		3124.21	878.84	2364.75	3124.21	1722.13	2364.75
		2921.01	1722.13	1371.61	2921.01	878.84	1371.61
		3124.21	878.84	1371.61	3124.21	1722.13	1371.61
349	RCC	3022.61	1574.81	2293.63	0.00	0.00	-889.00
		101.60	0.00	0.00	0.00	0.00	0.00
350	RCC	3022.61	1244.60	2293.63	0.00	0.00	-355.60
		101.60	0.00	0.00	0.00	0.00	0.00
351	RCC	3073.41	1320.81	1760.23	0.00	0.00	-254.00
		76.20	0.00	0.00	0.00	0.00	0.00
352	RCC	3022.61	1003.30	1684.03	0.00	0.00	-152.40
		63.50	0.00	0.00	0.00	0.00	0.00
353	RCC	4229.12	701.04	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
354	RCC	3472.19	701.04	587.25	0.00	50.80	0.00

TABLE A-1 M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		114.30	0.00	0.00	0.00	0.00	0.00
355	RCC	3103.89	701.04	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
356	RCC	2270.77	701.04	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
357	RCC	4229.12	2296.17	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
358	RCC	3472.19	2296.17	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
359	RCC	3103.89	2296.17	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
360	RCC	2270.77	2296.17	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
361	RCC	3117.32	2345.01	1281.74	152.71	-117.62	-441.05
		12.70	0.00	0.00	0.00	0.00	0.00
362	RCC	3117.32	2237.20	1291.54	152.71	-49.01	-460.66
		12.70	0.00	0.00	0.00	0.00	0.00
363	RCC	3107.14	2158.79	1301.34	152.71	-9.80	-480.26
		12.70	0.00	0.00	0.00	0.00	0.00
364	RCC	3107.14	2090.18	1291.54	152.71	0.00	-490.06
		12.70	0.00	0.00	0.00	0.00	0.00
365	RCC	3107.14	2021.57	1311.14	152.71	0.00	-509.66
		12.70	0.00	0.00	0.00	0.00	0.00
366	RCC	3107.14	1923.56	1291.54	142.53	29.40	-509.66
		12.70	0.00	0.00	0.00	0.00	0.00
367	RCC	3096.96	1854.95	1311.14	152.71	49.01	-529.26
		12.70	0.00	0.00	0.00	0.00	0.00

TABLE A-2 M9 (ACE) VEHICLE REGION TABLE

REG NUM	REGION COMBINATION DATA								REMARKS
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0ARMOR
4	4	0	0	0	0	0	0	0	0ARMOR
5	5	-361	0	0	0	0	0	0	0ARMOR
6	6	0	0	0	0	0	0	0	0PLATE
7	7	0	0	0	0	0	0	0	0ARMOR
8	8	0	0	0	0	0	0	0	0PLATE
9	9	0	0	0	0	0	0	0	0ARMOR
10	10	0	0	0	0	0	0	0	0PLATE
11	11	0	0	0	0	0	0	0	0ARMOR
12	12	0	0	0	0	0	0	0	0ARMOR
13	13	0	0	0	0	0	0	0	0ARMOR
14	14	0	0	0	0	0	0	0	0ARMOR
15	15	0	0	0	0	0	0	0	0PLATE
16	16	0	0	0	0	0	0	0	0ARMOR
17	17	0	0	0	0	0	0	0	0PLATE
18	18	0	0	0	0	0	0	0	0ARMOR
19	19	0	0	0	0	0	0	0	0PLATE
20	20	0	0	0	0	0	0	0	0ARMOR
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	25	0	0	0	0	0	0	0	0ARMOR
26	26	0	0	0	0	0	0	0	0ARMOR
27	27	0	0	0	0	0	0	0	0ARMOR
28	28	0	0	0	0	0	0	0	0ARMOR
29	29	0	0	0	0	0	0	0	0ARMOR
30	30	0	0	0	0	0	0	0	0ARMOR
31	31	0	0	0	0	0	0	0	0ARMOR
32	32	0	0	0	0	0	0	0	0ARMOR
33	33	0	0	0	0	0	0	0	0ARMOR
34	34	0	0	0	0	0	0	0	0ARMOR
35	35	0	0	0	0	0	0	0	0ARMOR
36	36	0	0	0	0	0	0	0	0ARMOR
37	37	-40	-215	0	0	0	0	0	0ARMOR
38	38	-40	-41	-42	-215	0	0	0	0ARMOR
39	39	-42	-215	-219	0	0	0	0	0ARMOR
40	0	0	0	0	0	0	0	0	0ARMOR
41	0	0	0	0	0	0	0	0	0ARMOR
42	0	0	0	0	0	0	0	0	0ARMOR
43	43	-46	-215	0	0	0	0	0	0ARMOR
44	44	-46	-47	-48	-215	0	0	0	0ARMOR
45	45	-48	0	0	0	0	0	0	0ARMOR
46	0	0	0	0	0	0	0	0	0ARMOR
47	0	0	0	0	0	0	0	0	0ARMOR

TABLE A-2 49 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA								REMARKS
48	0	0	0	0	0	0	0	0	0ARMOR
49	49	-27	-28	-29	-226	0	0	0	0FENDER
50	50	-33	-34	-35	-229	0	0	0	0FENDER
51	51	-41	-47	0	0	0	0	0	0FLOOR
52	52	-9	-233	0	0	0	0	0	0LOW L SI
53	53	-19	0	0	0	0	0	0	0LOW R SI
54	54	0	0	0	0	0	0	0	0DRIVER
55	55	-61	-70	-71	-72	-73	0	0	0DRIVER
56	56	-59	-61	0	0	0	0	0	0DRIVER
57	57	-58	0	0	0	0	0	0	0DRIVER
58	58	0	0	0	0	0	0	0	0DRIVER
59	59	-60	0	0	0	0	0	0	0DRIVER
60	59	60	0	0	0	0	0	0	0DRIVER
61	61	-70	-71	0	0	0	0	0	0DRIVER
62	62	-64	0	0	0	0	0	0	0DRIVER
63	63	-65	0	0	0	0	0	0	0DRIVER
64	64	0	0	0	0	0	0	0	0DRIVER
65	65	0	0	0	0	0	0	0	0DRIVER
66	66	-62	-64	0	0	0	0	0	0DRIVER
67	67	-63	-65	0	0	0	0	0	0DRIVER
68	68	0	0	0	0	0	0	0	0DRIVER
69	69	0	0	0	0	0	0	0	0DRIVER
70	70	0	0	0	0	0	0	0	0DRIVER
71	71	0	0	0	0	0	0	0	0DRIVER
72	72	-61	-70	-74	0	0	0	0	0DRIVER
73	73	-61	-71	-75	0	0	0	0	0DRIVER
74	74	0	0	0	0	0	0	0	0DRIVER
75	75	0	0	0	0	0	0	0	0DRIVER
76	76	-72	-74	-78	0	0	0	0	0DRIVER
77	77	-73	-75	-79	0	0	0	0	0DRIVER
78	78	0	0	0	0	0	0	0	0DRIVER
79	79	0	0	0	0	0	0	0	0DRIVER
80	80	0	0	0	0	0	0	0	0ARMOR
81	81	0	0	0	0	0	0	0	0ARMOR
82	82	-81	-80	0	0	0	0	0	0ARMOR
83	83	-81	0	0	0	0	0	0	0ARMOR
84	84	0	0	0	0	0	0	0	0ARMOR
85	85	-80	-81	0	0	0	0	0	0ARMOR
86	86	-80	-81	-82	-85	0	0	0	0ARMOR
87	87	-80	-85	-89	0	0	0	0	0ARMOR
88	88	-89	0	0	0	0	0	0	0ARMOR
89	89	0	0	0	0	0	0	0	0ARMOR
90	90	-99	0	0	0	0	0	0	0ARMOR
91	91	0	0	0	0	0	0	0	0ARMOR
92	92	0	0	0	0	0	0	0	0ARMOR
93	93	-89	-90	0	0	0	0	0	0ARMOR
94	94	-89	0	0	0	0	0	0	0ARMOR

TABLE A-2 M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
95	95	-84	-83	0	0	0	0	0	OARMOR
96	96	-83	-84	0	0	0	0	0	OARMOR
97	97	-93	-94	0	0	0	0	0	OARMOR
98	98	-89	-90	-83	-84	0	0	0	OARMOR
99	99	-83	-84	-90	-347	0	0	0	OARMOR
100	100	-81	-83	-84	-90	-89	0	0	OARMOR
101	101	-81	-83	-84	-82	0	0	0	OARMOR
102	102	0	0	0	0	0	0	0	OHATCH
103	0	0	0	0	0	0	0	0	ONULL
104	103	-104	0	0	0	0	0	0	OCUPOLA
105	105	-104	0	0	0	0	0	0	OCUPOLA
106	0	0	0	0	0	0	0	0	ONULL
107	106	-107	0	0	0	0	0	0	OCUPOLA
108	108	-109	-104	0	0	0	0	0	OCUPOLA
109	0	0	0	0	0	0	0	0	ONULL
110	110	0	0	0	0	0	0	0	OARMOR
111	111	0	0	0	0	0	0	0	OARMOR
112	112	-12	-13	0	0	0	0	0	OARMOR
113	113	-114	0	0	0	0	0	0	OWHEELS
114	114	-115	0	0	0	0	0	0	OWHEELS
115	0	0	0	0	0	0	0	0	OWHEELS
116	116	-117	0	0	0	0	0	0	OWHEELS
117	0	0	0	0	0	0	0	0	OWHEELS
118	118	-116	0	0	0	0	0	0	OWHEELS
119	119	-120	0	0	0	0	0	0	OWHEELS
120	120	-121	0	0	0	0	0	0	OWHEELS
121	0	0	0	0	0	0	0	0	OWHEELS
122	122	-123	0	0	0	0	0	0	OWHEELS
123	0	0	0	0	0	0	0	0	OWHEELS
124	124	-122	0	0	0	0	0	0	OWHEELS
125	125	-126	0	0	0	0	0	0	OWHEELS
126	126	-127	0	0	0	0	0	0	OWHEELS
127	0	0	0	0	0	0	0	0	OWHEELS
128	128	-129	0	0	0	0	0	0	OWHEELS
129	129	-130	0	0	0	0	0	0	OWHEELS
130	0	0	0	0	0	0	0	0	OWHEELS
131	131	-132	0	0	0	0	0	0	OWHEELS
132	132	-133	0	0	0	0	0	0	OWHEELS
133	0	0	0	0	0	0	0	0	OWHEELS
134	134	-135	0	0	0	0	0	0	OWHEELS
135	135	-136	0	0	0	0	0	0	OWHEELS
136	0	0	0	0	0	0	0	0	OWHEELS
137	137	-138	0	0	0	0	0	0	OWHEELS
138	138	-139	0	0	0	0	0	0	OWHEELS
139	0	0	0	0	0	0	0	0	OWHEELS
140	140	-141	0	0	0	0	0	0	OWHEELS
141	141	-142	0	0	0	0	0	0	OWHEELS

TABLE A-2 M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
142	0	0	0	0	0	0	0	0	OWHEELS
143	143	-144	0	0	0	0	0	0	OWHEELS
144	144	-145	0	0	0	0	0	0	OWHEELS
145	0	0	0	0	0	0	0	0	OWHEELS
146	146	-147	0	0	0	0	0	0	OWHEELS
147	147	-148	0	0	0	0	0	0	OWHEELS
148	0	0	0	0	0	0	0	0	OWHEELS
149	149	-150	0	0	0	0	0	0	OWHEELS
150	150	-151	0	0	0	0	0	0	OWHEELS
151	0	0	0	0	0	0	0	0	OWHEELS
152	152	-153	0	0	0	0	0	0	OWHEELS
153	153	-154	0	0	0	0	0	0	OWHEELS
154	0	0	0	0	0	0	0	0	OWHEELS
155	155	-156	0	0	0	0	0	0	OWHEELS
156	156	-157	0	0	0	0	0	0	OWHEELS
157	0	0	0	0	0	0	0	0	OWHEELS
158	158	-159	0	0	0	0	0	0	OWHEELS
159	159	-160	0	0	0	0	0	0	OWHEELS
160	0	0	0	0	0	0	0	0	OWHEELS
161	161	-162	0	0	0	0	0	0	OWHEELS
162	162	-163	0	0	0	0	0	0	OWHEELS
163	0	0	0	0	0	0	0	0	OWHEELS
164	164	-165	0	0	0	0	0	0	OWHEELS
165	165	-166	0	0	0	0	0	0	OWHEELS
166	0	0	0	0	0	0	0	0	OWHEELS
167	167	-168	0	0	0	0	0	0	OWHEELS
168	168	-169	0	0	0	0	0	0	OWHEELS
169	0	0	0	0	0	0	0	0	OWHEELS
170	170	-171	0	0	0	0	0	0	OWHEELS
171	171	-172	0	0	0	0	0	0	OWHEELS
172	0	0	0	0	0	0	0	0	OWHEELS
173	173	0	0	0	0	0	0	0	OEJECTER
174	174	0	0	0	0	0	0	0	OEJECTOR
175	175	0	0	0	0	0	0	0	OEJECTOR
176	176	0	0	0	0	0	0	0	OEJECT
177	177	0	0	0	0	0	0	0	OEJECT
178	178	0	0	0	0	0	0	0	OEJECT
179	179	-180	0	0	0	0	0	0	OFLOOR
180	0	0	0	0	0	0	0	0	ONULL
181	181	-180	-184	-179	-178	-327	-325	0	OFLOOR
182	182	-179	-177	0	0	0	0	0	OFLOOR
183	183	-179	-177	0	0	0	0	0	OFLOOR
184	0	0	0	0	0	0	0	0	ONULL
185	185	-186	0	0	0	0	0	0	OTRACK
186	0	0	0	0	0	0	0	0	ONULL
187	187	-188	-185	0	0	0	0	0	OTRACK
188	0	0	0	0	0	0	0	0	ONULL

TABLE A-2 M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA								REMARKS
189	189	-190	-191	0	0	0	0	0	OTRACK
190	0	0	0	0	0	0	0	0	ONULL
191	191	-192	-128	-125	0	0	0	0	OTRACK
192	0	0	0	0	0	0	0	0	ONULL
193	193	-194	0	0	0	0	0	0	OTRACK
194	0	0	0	0	0	0	0	0	ONULL
195	195	-196	-193	0	0	0	0	0	OTRACK
196	0	0	0	0	0	0	0	0	ONULL
197	197	-198	-199	0	0	0	0	0	OTRACK
198	0	0	0	0	0	0	0	0	ONULL
199	199	-200	-131	-134	0	0	0	0	OTRACK
200	0	0	0	0	0	0	0	0	ONULL
201	201	0	0	0	0	0	0	0	OSIDE
202	202	0	0	0	0	0	0	0	OSIDE
203	203	204	-111	0	0	0	0	0	OSIDE
204	0	0	0	0	0	0	0	0	CNULL
205	205	-209	-210	-211	0	0	0	0	OSIDE
206	206	207	-112	0	0	0	0	0	OSIDE
207	0	0	0	0	0	0	0	0	ONULL
208	208	-212	-213	-214	0	0	0	0	OSIDE
209	209	0	0	0	0	0	0	0	OSUPPORT
210	210	0	0	0	0	0	0	0	OMOUNT
211	211	-210	0	0	0	0	0	0	OMOUNT
212	212	-202	0	0	0	0	0	0	OSUPPORT
213	213	0	0	0	0	0	0	0	OMOUNT
214	214	-213	0	0	0	0	0	0	OMOUNT
215	215	0	0	0	0	0	0	0	OAXLE
216	216	-38	-39	-44	-45	0	0	0	OBEAM
217	217	0	0	0	0	0	0	0	OWINCH
218	0	0	0	0	0	0	0	0	ODUMMY
219	219	-45	0	0	0	0	0	0	0
220	220	-218	-219	0	0	0	0	0	0
221	221	0	0	0	0	0	0	0	OBUMPER
222	222	-219	0	0	0	0	0	0	OREAR SID
223	223	0	0	0	0	0	0	0	OREAR SID
224	224	0	0	0	0	0	0	0	ORE PLT
225	225	-233	0	0	0	0	0	0	ODECK
226	226	0	0	0	0	0	0	0	OPOST
227	227	0	0	0	0	0	0	0	OPOST
228	228	-233	-92	-189	0	0	0	0	OSUPPORT
229	229	0	0	0	0	0	0	0	OPOST
230	230	0	0	0	0	0	0	0	OPOST
231	231	-197	-43	0	0	0	0	0	OSUPPORT
232	232	-234	-235	0	0	0	0	0	OTANK
233	233	-234	-235	0	0	0	0	0	OTANK
234	234	0	0	0	0	0	0	0	OFUEL
235	235	0	0	0	0	0	0	0	OFUEL

TABLE A-2 M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA								REMARKS
236	236	0	0	0	0	0	0	0	0SUPRT
237	237	0	0	0	0	0	0	0	0SUPRT
238	238	0	0	0	0	0	0	0	0POST
239	239	0	0	0	0	0	0	0	0POST
240	240	0	0	0	0	0	0	0	0POST
241	241	-202	0	0	0	0	0	0	0POST
242	242	0	0	0	0	0	0	0	0POST
243	243	-285	0	0	0	0	0	0	0POST
244	244	0	0	0	0	0	0	0	0RADIATOR
245	245	-246	-247	-248	-249	-250	-251	-252	-253SIDE
	-254	-242	0	0	0	0	0	0	0
246	0	0	0	0	0	0	0	0	0NUL1
247	0	0	0	0	0	0	0	0	0NUL2
248	0	0	0	0	0	0	0	0	0NUL1
249	0	0	0	0	0	0	0	0	0NUL2
250	0	0	0	0	0	0	0	0	0NUL1
251	0	0	0	0	0	0	0	0	0NUL2
252	0	0	0	0	0	0	0	0	0NUL1
253	0	0	0	0	0	0	0	0	0NUL2
254	0	0	0	0	0	0	0	0	0NUL1
255	255	-256	-257	-258	-259	-260	-261	-262	-263SIDE
	-264	-243	0	0	0	0	0	0	0
256	0	0	0	0	0	0	0	0	0NUL1
257	0	0	0	0	0	0	0	0	0NUL2
258	0	0	0	0	0	0	0	0	0NUL1
259	0	0	0	0	0	0	0	0	0NUL2
260	0	0	0	0	0	0	0	0	0NUL1
261	0	0	0	0	0	0	0	0	0NUL2
262	0	0	0	0	0	0	0	0	0NUL1
263	0	0	0	0	0	0	0	0	0NUL2
264	0	0	0	0	0	0	0	0	0NUL1
265	265	0	0	0	0	0	0	0	0POST
266	266	0	0	0	0	0	0	0	0POST
267	267	0	0	0	0	0	0	0	0SUPPRT
268	268	-202	0	0	0	0	0	0	0SUPPRT
269	269	-270	-271	-272	-273	-274	-275	-276	-277REAR
	-278	-239	-238	-266	-265	0	0	0	0NUL1
270	0	0	0	0	0	0	0	0	0NUL1
271	0	0	0	0	0	0	0	0	0NUL2
272	0	0	0	0	0	0	0	0	0NUL1
273	0	0	0	0	0	0	0	0	0NUL2
274	0	0	0	0	0	0	0	0	0NUL1
275	0	0	0	0	0	0	0	0	0NUL2
276	0	0	0	0	0	0	0	0	0NUL1
277	0	0	0	0	0	0	0	0	0NUL2
278	0	0	0	0	0	0	0	0	0NUL1
279	279	0	0	0	0	0	0	0	0TOOL BX

TABLE A-2 M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
280	280	0	0	0	0	0	0	0TOOL BX
281	281	0	0	0	0	0	0	0CAN
282	282	0	0	0	0	0	0	0CAN
283	283	-280	0	0	0	0	0	0MUFF
284	284	0	0	0	0	0	0	0PIPE
285	285	0	0	0	0	0	0	0MUFF
286	286	0	0	0	0	0	0	0PIPE
287	287	0	0	0	0	0	0	0
288	288	-287	-289	0	0	0	0	0
289	0	0	0	0	0	0	0	0
290	290	-287	-291	0	0	0	0	0
291	0	0	0	0	0	0	0	0
292	292	0	0	0	0	0	0	0
293	293	0	0	0	0	0	0	0
294	294	0	0	0	0	0	0	0
295	295	0	0	0	0	0	0	0
296	296	-297	-299	-288	0	0	0	0
297	297	-299	-288	0	0	0	0	0
298	298	-297	-299	-288	0	0	0	0
299	299	-298	-297	-296	-300	0	0	0
300	300	-299	-301	0	0	0	0	0
301	301	-300	-302	-303	0	0	0	0
302	302	-301	-303	0	0	0	0	0
303	303	-302	-301	-304	0	0	0	0
304	304	-303	-305	-306	-307	0	0	0
305	305	-304	-306	-290	0	0	0	0
306	306	-304	-290	0	0	0	0	0
307	307	-306	-304	-290	0	0	0	0
308	308	-203	0	0	0	0	0	0308
309	309	-203	0	0	0	0	0	0309
310	310	-203	-111	0	0	0	0	0310
311	311	-206	0	0	0	0	0	0308R
312	312	-206	0	0	0	0	0	0309R
313	313	-206	-112	0	0	0	0	0310R
314	314	-318	0	0	0	0	0	0311
315	315	-319	0	0	0	0	0	0312
316	316	-320	0	0	0	0	0	0313
317	317	-321	0	0	0	0	0	0314
318	0	0	0	0	0	0	0	0NULL
319	0	0	0	0	0	0	0	0NULL
320	0	0	0	0	0	0	0	0NULL
321	0	0	0	0	0	0	0	0NULL
322	322	0	0	0	0	0	0	0APRON
323	323	0	0	0	0	0	0	0APRON
324	324	0	0	0	0	0	0	0TRANS
325	325	0	0	0	0	0	0	0TRANS
326	326	-324	-325	0	0	0	0	0TRANS

TABLE A-2 M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
327	327	0	0	0	0	0	0	0	OCLARK
328	328	-329	0	0	0	0	0	0	OJOINT
329	329	0	0	0	0	0	0	0	OSHAFT
330	330	0	0	0	0	0	0	0	OJOINT
331	331	-215	0	0	0	0	0	0	ODIFF
332	332	-331	-215	0	0	0	0	0	ODIFF
333	333	-331	-215	0	0	0	0	0	ODIFF
334	334	0	0	0	0	0	0	0	OFILT
335	335	0	0	0	0	0	0	0	OPUMP
336	336	0	0	0	0	0	0	0	OPANEL
337	337	0	0	0	0	0	0	0	OCYC
338	338	0	0	0	0	0	0	0	OROD
339	339	0	0	0	0	0	0	0	OCYC
340	340	0	0	0	0	0	0	0	OROD
341	341	-347	0	0	0	0	0	0	OHOOD
342	342	-290	0	0	0	0	0	0	OFILT
343	343	0	0	0	0	0	0	0	OHUB
344	344	0	0	0	0	0	0	0	OHUB
345	345	0	0	0	0	0	0	0	OHUB
346	346	0	0	0	0	0	0	0	OHUB
347	347	-348	-81	-83	-98	-100	-101	0	OFRAME
348	0	0	0	0	0	0	0	0	ONULL
349	349	0	0	0	0	0	0	0	OACCUM
350	350	0	0	0	0	0	0	0	OTANK
351	351	0	0	0	0	0	0	0	OFILT
352	352	0	0	0	0	0	0	0	OFILT
353	353	0	0	0	0	0	0	0	OACTU
354	354	0	0	0	0	0	0	0	OACTU
355	355	0	0	0	0	0	0	0	OACTU
356	356	0	0	0	0	0	0	0	OACTU
357	357	0	0	0	0	0	0	0	OACTU
358	358	0	0	0	0	0	0	0	OACTU
359	359	0	0	0	0	0	0	0	OACTU
360	360	0	0	0	0	0	0	0	OACTU
361	361	0	0	0	0	0	0	0	OLINE
362	362	0	0	0	0	0	0	0	OLINE
363	363	0	0	0	0	0	0	0	OLINE
364	364	0	0	0	0	0	0	0	OLINE
365	365	0	0	0	0	0	0	0	OLINE
366	366	0	0	0	0	0	0	0	OLINE
367	367	0	0	0	0	0	0	0	OLINE

TABLE A-3 M9 (ACE) VEHICLE IDENT TABLE

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
1	0	0	ENCLOSING BOX	0	0
3	1131	0	PLATE (HULL) 1	2	100
4	1132	0	PLATE (HULL) 2	2	100
5	1133	0	PLATE (HULL) 3	2	100
6	1134	0	PLATE (HULL) 4	2	100
7	1135	0	PLATE (HULL) 5	2	100
8	1136	0	PLATE (HULL) 6	2	100
9	1137	0	PLATE (HULL) 7	2	100
10	1138	0	PLATE (HULL) 8	2	100
11	1139	0	PLATE (HULL) 9	2	100
12	1140	0	PLATE (HULL) 10	2	100
13	1141	0	PLATE (HULL) 11	2	100
14	1142	0	PLATE (HULL) 12	2	100
15	1143	0	PLATE (HULL) 13	2	100
16	1144	0	PLATE (HULL) 14	2	100
17	1145	0	PLATE (HULL) 15	2	100
18	1146	0	PLATE (HULL) 16	2	100
19	1147	0	PLATE (HULL) 17	2	100
20	1148	0	PLATE (HULL) 18	2	100
21	0	0		0	0
22	0	0		0	0
23	0	0		0	0
24	0	0		0	0
25	1151	0	PLATE FENDER 1	2	100
26	1152	0	PLATE FENDER 2	2	100
27	1153	0	PLATE FENDER 3	2	100
28	1154	0	PLATE FENDER 4	2	100
29	1155	0	PLATE FENDER 5	2	100
30	1156	0	PLATE FENDER 6	2	100
31	1157	0	PLATE FENDER 7	2	80
32	1158	0	PLATE FENDER 10	2	100
33	1159	0	PLATE FENDER 9	2	100
34	1150	0	PLATE FENDER 10	2	100
35	1151	0	PLATE FENDER 11	2	100
36	1152	0	PLATE FENDER 12	2	100
37	1161	0	L DRIVE PLATE 1	2	100
38	1162	0	L DRIVE PLATE 2	2	100
39	1163	0	L DRIVE PLATE 3	2	100
40	1164	0	L DRIVE PLATE 4	2	100
41	1165	0	L DRIVE PLATE 5	2	100
42	1166	0	L DRIVE PLATE 6	2	100
43	1161	0	R. DRIVE HULL 1	2	100
44	1162	0	R. DRIVE HULL 2	2	100
45	1163	0	R. DRIVE HULL 3	2	100
46	1164	0	R. DRIVE HULL 4	2	100
47	1165	0	R. DRIVE HULL 5	2	100

TABLE A-3 M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
48	1166	0	R. DRIVE HULL 6	2	100
49	1187	0	FENDER TOP	2	100
50	1187	0	FENDER TOP	2	100
51	1189	0	LOWER FLOOR	2	100
52	1190	0	LOWER LEFT SIDE	2	100
53	1191	0	LOWER RIGHT SIDE	2	100
54	1124	0	SEAT, DRIVRS MOUNT	2	25
55	1124	0	SEAT, DRIVRS BOTTOM	2	10
56	1124	0	SEAT, DRIVRS BACK	2	10
57	1810	0	DRIVERS HEAD	8	100
58	1811	0	DRIVERS NECK	8	100
59	1812	0	DRIVERS UPPER TORSO	8	100
60	1813	0	DRIVERS LOWER TORSO	8	100
61	1814	0	DRIVERS HIPS	8	100
62	1815	0	DRIVERS LEFT UPPER ARM	8	100
63	1815	0	DRIVERS RIGHT UPPER ARM	8	100
64	1816	0	DRIVERS LEFT ELBOW	8	100
65	1816	0	DRIVERS RIGHT ELBOW	8	100
66	1815	0	DRIVERS LEFT LOWER ARM	8	100
67	1815	0	DRIVERS RIGHT LOWER ARM	8	100
68	1816	0	DRIVERS LEFT HAND	8	100
69	1816	0	DRIVERS RIGHT HAND	8	100
70	1817	0	DRIVERS LEFT HIP JOINT	8	100
71	1817	0	DRIVERS RIGHT HIP JOINT	8	100
72	1818	0	DRIVERS LEFT UPPER LEG	8	100
73	1818	0	DRIVERS RIGHT UPPER LEG	8	100
74	1817	0	DRIVERS LEFT KNEE	8	100
75	1817	0	DRIVERS RIGHT KNEE	8	100
76	1818	0	DRIVERS LEFT LOWER LEG	8	100
77	1818	0	DRIVERS RIGHT LOWER LEG	8	100
78	1817	0	DRIVERS LEFT ANKLE	8	100
79	1817	0	DRIVERS RIGHT ANKLE	8	100
80	1100	0	DRIVER COMPARTMENT ARMOR	2	100
81	1101	0	DRIVER COMPARTMENT ARMOR	2	100
82	1103	0	DRIVER COMPARTMENT ARMOR	2	100
83	1104	0	DRIVER COMPARTMENT ARMOR	2	100
84	1105	0	DRIVER COMPARTMENT ARMOR	2	100
85	1106	0	DRIVER COMPARTMENT ARMOR	2	100
86	1107	0	DRIVER COMPARTMENT ARMOR	2	100
87	1108	0	DRIVER COMPARTMENT ARMOR	2	100
88	1109	0	DRIVER COMPARTMENT ARMOR	2	100
89	1110	0	DRIVER COMPARTMENT ARMOR	2	100
90	1199	0	DRIVER COMPARTMENT ARMOR	2	100
91	1112	0	DRIVER COMPARTMENT ARMOR	2	100
92	1113	0	DRIVER COMPARTMENT ARMOR	2	100
93	1114	0	DRIVER COMPARTMENT ARMOR	2	100

TABLE A-3 M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
94	1115	0	DRIVER COMPARTMENT ARMOR	2	100
95	1116	0	DRIVER COMPARTMENT ARMOR	2	100
96	1117	0	DRIVER COMPARTMENT ARMOR	2	100
97	1117	0	DRIVER COMPARTMENT ARMOR	2	100
98	1119	0	DRIVER COMPARTMENT ARMOR	2	100
99	1120	0	DRIVER COMPARTMENT ARMOR	2	100
100	1121	0	DRIVER COMPARTMENT ARMOR	2	100
101	1122	0	DRIVER COMPARTMENT ARMOR	2	100
102	1123	0	HATCH TOP	2	100
103	0	0	NULL REGION	0	0
104	1123	0	DRIVERS CUPOLA	2	100
105	1123	0	DRIVERS CUPOLA	2	100
106	0	0	NULL REGION	0	0
107	1123	0	DRIVERS CUPOLA	2	100
108	1123	0	DRIVERS CUPOLA	2	100
109	0	0	NULL REGION	0	0
110	1001	0	PLATE NUMBER 1	2	100
111	1002	0	PLATE NUMBER 2	2	100
112	1003	0	PLATE NUMBER 3	2	100
113	1504	0	L INNER SPROCKET RING	2	100
114	1504	0	L INNER SPROCKET FLANGE	2	100
115	0	0	DUMMY	0	0
116	1504	0	L OUTER SPROCKET FLANGE	2	100
117	0	0	DUMMY	0	0
118	1504	0	L OUTER SPROCKET RING	2	100
119	1503	0	R INNER SPROCKET RING	2	100
120	1503	0	R INNER SPROCKET FLANGE	2	100
121	0	0	DUMMY	0	0
122	1503	0	R OUTER SPROCKET FLANGE	2	100
123	0	0	DUMMY	0	0
124	1503	0	R OUTER SPROCKET RING	2	100
125	1506	0	L 1 OUTER TIRE	6	100
126	1508	0	L 1 OUTER WHEEL	2	100
127	0	0	DUMMY	0	0
128	1506	0	L 1 INNER TIRE	6	100
129	1508	0	L 1 INNER WHEEL	2	100
130	0	0	DUMMY	0	0
131	1505	0	R 1 OUTER TIRE	6	100
132	1507	0	R 1 OUTER WHEEL	2	100
133	0	0	DUMMY	0	0
134	1505	0	R 1 INNER TIRE	6	100
135	1507	0	R 1 INNER WHEEL	2	100
136	0	0	DUMMY	0	0
137	1506	0	L 1 OUTER TIRE	6	100
138	1508	0	L 1 OUTER WHEEL	2	100
139	0	0	DUMMY	0	0

TABLE A-3 M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
140	1506	0	L 1 INNER TIRE	6	100
141	1508	0	L 1 INNER WHEEL	2	100
142	0	0	DUMMY	0	0
143	1505	0	R 1 OUTER TIRE	6	100
144	1507	0	R 1 OUTER WHEEL	2	100
145	0	0	DUMMY	0	0
146	1505	0	R 1 INNER TIRE	6	100
147	1507	0	R 1 INNER WHEEL	2	100
148	0	0	DUMMY	0	0
149	1506	0	L 1 OUTER TIRE	6	100
150	1508	0	L 1 OUTER WHEEL	2	100
151	0	0	DUMMY	0	0
152	1506	0	L 1 INNER TIRE	6	100
153	1508	0	L 1 INNER WHEEL	2	100
154	0	0	DUMMY	0	0
155	1505	0	R 1 OUTER TIRE	6	100
156	1507	0	R 1 OUTER WHEEL	2	100
157	0	0	DUMMY	0	0
158	1505	0	R 1 INNER TIRE	6	100
159	1507	0	R 1 INNER WHEEL	2	100
160	0	0	DUMMY	0	0
161	1506	0	L 1 OUTER TIRE	6	100
162	1508	0	L 1 OUTER WHEEL	2	100
163	0	0	DUMMY	0	0
164	1506	0	L 1 INNER TIRE	6	100
165	1508	0	L 1 INNER WHEEL	2	100
166	0	0	DUMMY	0	0
167	1505	0	R 1 OUTER TIRE	6	100
168	1507	0	R 1 OUTER WHEEL	2	100
169	0	0	DUMMY	0	0
170	1505	0	R 1 INNER TIRE	6	100
171	1507	0	R 1 INNER WHEEL	2	100
172	0	0	DUMMY	0	0
173	1701	0	EJECTOR BLADE UPPER ASSEMBLY	1	100
174	1701	0	EJECTOR BLADE UPPER ASSEMBLY	1	100
175	1701	0	EJECTOR BLADE MID SECTION PIEC	1	100
176	1701	0	EJECTOR BLADE MID ASSEMBLY	1	100
177	1701	0	EJECTOR BLADE LOWER ASSEMBLY	1	100
178	1701	0	EJECTOR BLADE BOTTOM	1	100
179	1171	0	FRONT CARGO BAY FLOOR	2	100
180	0	0	DUMMY FLOOR REGION	0	0
181	1175	0	CARGO BAY FLOOR	2	100
182	1175	0	CARGO BAY FLOOR	2	100
183	1175	0	CARGO BAY FLOOR	2	100
184	0	0	DUMMY FLOOR REGION	0	0
185	1500	0	HORIZONTAL TRACK SECTION	1	35

TABLE A-3 M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
186	0	0	CENTRE DUMMY TRACK SECTION	0	0
187	1500	0	FRONT TRACK SECTION	1	35
188	0	0	DUMMY FRONT TRACK SECTION	0	0
189	1500	0	DRIVE TRACK SECTION	1	35
190	0	0	REAR DUMMY TRACK SECTION	0	0
191	1500	0	REAR TRACK SECTION	1	35
192	0	0	DUMMY REAR TRACK SECTION	0	0
193	1500	0	HORIZONTAL TRACK SECTION	1	35
194	0	0	CENTRE DUMMY TRACK SECTION	0	0
195	1500	0	FRONT TRACK SECTION	1	35
196	0	0	DUMMY FRONT TRACK SECTION	0	0
197	1500	0	DRIVE TRACK SECTION	1	35
198	0	0	REAR DUMMY TRACK SECTION	0	0
199	1500	0	REAR TRACK SECTION	1	35
200	0	0	DUMMY REAR TRACK SECTION	0	0
201	1198	0	LEFT MID SIDE SECTION	2	100
202	1198	0	RIGHT MID SIDE SECTION	2	100
203	1196	0	FRONT SIDE CIRCULAR	2	100
204	0	0	DUMMY REG	0	0
205	1197	0	FRONT SIDE	2	100
206	1196	0	FRONT SIDE CIRCULAR	2	100
207	0	0	DUMMY REG	0	0
208	1197	0	FRONT SIDE	2	100
209	1194	0	UPPER FRONT FENDER SUPPORT	2	8
210	1193	0	HYDRAULIC CYCLINDER MOUNT	2	8
211	1193	0	HYDRAULIC CYCLINDER MOUNT	2	8
212	1194	0	UPPER FRONT FENDER SUPPORT	2	8
213	1193	0	HYDRAULIC CYCLINDER MOUNT	2	8
214	1193	0	HYDRAULIC CYCLINDER MOUNT	2	8
215	2034	0	STEER UNIT CASE	1	35
216	1169	0	REAR FLOOR CHASSIS JOINT	2	8
217	1799	0	WINCH & MOTOR ASSEMBLY	1	45
218	0	0	WINCH ACCESS HOLE	0	0
219	1183	0	DRIVE TRAIN SURPORT PLATE	2	100
220	1183	0	REAR LOWER CHASSIS PLT	2	100
221	1176	0	REAR BUMPER	2	8
222	1177	0	LEFT REAR SIDE PLATE	2	100
223	1177	0	RIGHT REAR SIDE PLATE	2	100
224	1183	0	REAR CHASSIS PLATE	2	100
225	1195	0	FLOOR DECK PLATE	2	100
226	1186	0	MID-POST REAR CHASSIS	2	8
227	1186	0	REAR-POST CHASSIS	2	8
228	1186	0	DECK SUPPORT OVERHANG	2	8
229	1186	0	MID-POST REAR CHASSIS	2	8
230	1186	0	REAR-POST CHASSIS	2	8
231	1186	0	DECK SUPPORT OVERHANG	2	8

TABLE A-3 M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
232	2301	0	UPPER FUEL TANK	2	100
233	2301	0	LOWER FUEL TANK	2	100
234	1800	0	FUEL INSIDE TANK	5	100
235	1800	0	FUEL INSIDE TANK	5	100
236	1185	0	LOWER MID-FENDER SUPPORT	2	8
237	1185	0	LOWER MID-FENDER SUPPORT	2	8
238	1184	0	EGRESS DOOR POST	2	8
239	1184	0	EGRESS DOOR POST	2	8
240	1185	0	FORWARD POST	2	8
241	1185	0	FORWARD POST	2	8
242	1184	0	HORIZONTAL POST	2	8
243	1184	0	HORIZONTAL POST	2	8
244	2400	0	RADIATOR	3	8
245	1179	0	CORREGATED METAL SIDE	2	100
246	0	0	CORREGATED SIDE DUMMY	0	0
247	0	0	CORREGATED SIDE DUMMY	0	0
248	0	0	CORREGATED SIDE DUMMY	0	0
249	0	0	CORREGATED SIDE DUMMY	0	0
250	0	0	CORREGATED SIDE DUMMY	0	0
251	0	0	CORREGATED SIDE DUMMY	0	0
252	0	0	CORREGATED SIDE DUMMY	0	0
253	0	0	CORREGATED SIDE DUMMY	0	0
254	0	0	CORREGATED SIDE DUMMY	0	0
255	1179	0	CORREGATED METAL SIDE	2	100
256	0	0	CORREGATED SIDE DUMMY	0	0
257	0	0	CORREGATED SIDE DUMMY	0	0
258	0	0	CORREGATED SIDE DUMMY	0	0
259	0	0	CORREGATED SIDE DUMMY	0	0
260	0	0	CORREGATED SIDE DUMMY	0	0
261	0	0	CORREGATED SIDE DUMMY	0	0
262	0	0	CORREGATED SIDE DUMMY	0	0
263	0	0	CORREGATED SIDE DUMMY	0	0
264	0	0	CORREGATED SIDE DUMMY	0	0
265	1182	0	HORIZONTAL REAR POST	2	8
266	1182	0	HORIZONTAL REAR POST	2	8
267	1181	0	UPPER FENDER SUPPORT	2	8
268	1181	0	UPPER FENDER SUPPORT	2	8
269	1178	0	DECK REAR SIDE	2	100
270	0	0	REAR SIDE CORREGATED DUMMY	0	0
271	0	0	REAR SIDE CORREGATED DUMMY	0	0
272	0	0	REAR SIDE CORREGATED DUMMY	0	0
273	0	0	REAR SIDE CORREGATED DUMMY	0	0
274	0	0	REAR SIDE CORREGATED DUMMY	0	0
275	0	0	REAR SIDE CORREGATED DUMMY	0	0
276	0	0	REAR SIDE CORREGATED DUMMY	0	0
277	0	0	REAR SIDE CORREGATED DUMMY	0	0

TABLE A-3 M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
278	0	0	REAR SIDE CORREGATED DUMMY	0	0
279	1200	0	BATTERY BOX	1	3
280	1201	0	UPPER TOOL BOX	1	3
281	1202	0	REAR WATER CAN	1	3
282	1202	0	REAR WATER CAN	1	3
283	1706	0	ENGINE MUFFLER	1	3
284	1707	0	MUFFLER TAILPIPE	1	3
285	1706	0	ENGINE MUFFLER	1	3
286	1707	0	MUFFLER TAILPIPE	1	3
287	1739	0	ENGINE BLOCK	1	80
288	1740	0	ENGINE CYLINDERS LEFT	1	80
289	0	0	DUMMY	0	0
290	1740	0	ENGINE CYLINDERS RIGHT	1	80
291	0	0	DUMMY	0	0
292	1702	0	OIL PAN	2	10
293	1702	0	OIL PAN	2	10
294	1741	0	TIMING WHEEL HOUSING	1	80
295	1741	0	TIMING WHEEL	1	80
296	1708	0	ENGINE EXHAUST LEFT	1	30
297	1708	0	ENGINE EXHAUST LEFT	1	30
298	1708	0	ENGINE EXHAUST LEFT	1	30
299	1708	0	ENGINE EXHAUST LEFT	1	30
300	1708	0	ENGINE EXHAUST LEFT	1	30
301	1708	0	ENGINE EXHAUST LEFT	1	30
302	1708	0	EXHAUST TO MUFFLER	1	30
303	1708	0	ENGINE EXHAUST RIGHT	1	30
304	1708	0	ENGINE EXHAUST RIGHT	1	30
305	1708	0	ENGINE EXHAUST RIGHT	1	30
306	1708	0	ENGINE EXHAUST RIGHT	1	30
307	1708	0	ENGINE EXHAUST RIGHT	1	30
308	1601	0	DOZER SIDE PLATE	2	100
309	1602	0	DOZER SIDE PLATE	2	100
310	1603	0	DOZER SIDE PLATE	2	100
311	1601	0	DOZER SIDE PLATE	2	100
312	1602	0	DOZER SIDE PLATE	2	100
313	1603	0	DOZER SIDE PLATE	2	100
314	1604	0	UPPER DOZER BLADE	2	100
315	1605	0	MID DOZER BLADE	2	100
316	1606	0	LOWER DOZER BLADE	2	100
317	1607	0	LOWER DOZER BLADE	2	100
318	0	0	DOZER NULL SOLID	0	0
319	0	0	DOZER NULL SOLID	0	0
320	0	0	DOZER NULL SOLID	0	0
321	0	0	DOZER NULL SOLID	0	0
322	1620	0	DOZER APRON	2	38
323	1620	0	DOZER APRON	2	38

TABLE A-3 M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
324	2030	0	TRANSFER CASE	1	40
325	2030	0	TRANSFER CASE	1	40
326	2030	0	TRANSFER CASE	1	40
327	2031	0	CLARK TRANSMISSION	1	40
328	2032	0	UNIVERSAL JOINT	1	30
329	2033	0	POWER DRIVE SHAFT	1	30
330	2032	0	UNIVERSAL JOINT	1	30
331	2034	0	STEER UNIT CASE	1	35
332	2034	0	STEER UNIT CASE	1	35
333	2034	0	STEER UNIT CASE	1	35
334	3000	0	FUEL FILTER	1	3
335	3001	0	HYDRAULIC PUMP	1	19
336	3002	0	DRIVERS PANEL	1	5
337	3050	0	APRON HYDRAULIC CYCLINDER	1	21
338	3051	0	APRON HYDRAULIC PISTON	1	100
339	3050	0	APRON HYDRAULIC CYCLINDER	1	21
340	3051	0	APRON HYDRAULIC PISTON	1	100
341	1720	0	ENGINE HOOD	2	100
342	1721	0	ENGINE AIR CLEANER	1	2
343	3070	0	END WHEEL HUB	1	35
344	3070	0	END WHEEL HUB	1	35
345	3070	0	END WHEEL HUB	1	35
346	3070	0	END WHEEL HUB	1	35
347	2500	0	ACCUMULATOR FRAME ASMBYY	1	100
348	0	0	DUMMY SOLID	0	0
349	2501	0	HYDRAULIC ACCUMULATOR	1	6
350	2502	0	HYDRAULIC RESERVOIR	1	4
351	2503	0	LARGE HYDRAULIC FILTER	1	2
352	2503	0	SMALL HYDRAULIC FILTER	1	2
353	2601	0	HYDRAULIC ACTUATOR	1	40
354	2601	0	HYDRAULIC ACTUATOR	1	40
355	2601	0	HYDRAULIC ACTUATOR	1	40
356	2601	0	HYDRAULIC ACTUATOR	1	40
357	2601	0	HYDRAULIC ACTUATOR	1	40
358	2601	0	HYDRAULIC ACTUATOR	1	40
359	2601	0	HYDRAULIC ACTUATOR	1	40
360	2601	0	HYDRAULIC ACTUATOR	1	40
361	5001	0	HYDRAULIC LINE	1	6
362	5001	0	HYDRAULIC LINE	1	6
363	5001	0	HYDRAULIC LINE	1	6
364	5001	0	HYDRAULIC LINE	1	6
365	5001	0	HYDRAULIC LINE	1	6
366	5001	0	HYDRAULIC LINE	1	6
367	5001	0	HYDRAULIC LINE	1	6

APPENDIX B

COMPUTER TARGET DESCRIPTION OF THE UP-ARMORED (ACE) SYSTEM

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE

SOLID NUM	TYPE	SOLID PARAMETERS					
1	RPP	0.00	6350.03	0.00	3048.01	0.00	3048.01
2	RPP	2.54	6347.48	2.54	3045.47	2.54	3045.47
3	ARB6	5503.17	2393.95	477.27	4769.87	2393.95	1300.23
		4769.87	2349.50	1300.23	5503.17	2349.50	477.27
		5105.41	2393.95	685.80	5105.41	2349.50	685.80
4	ARB6	5503.17	2393.95	477.27	5105.41	2393.95	685.80
		5105.41	2349.50	685.80	5503.17	2349.50	477.27
		5465.33	2393.95	443.49	5465.33	2349.50	443.49
5	ARB6	5105.41	2393.95	685.80	4769.87	2393.95	1300.23
		4769.87	2349.50	1300.23	5105.41	2349.50	685.80
		2946.40	2393.95	1300.23	2946.40	2349.50	1300.23
6	ARB6	5105.41	2393.95	685.80	2946.40	2393.95	1300.23
		2946.40	2349.50	1300.23	5105.41	2349.50	685.80
		4406.91	2393.95	404.88	4406.91	2349.50	404.88
7	ARB6	5143.51	2393.95	508.26	5105.41	2393.95	685.80
		5105.41	2349.50	685.80	5143.51	2349.50	508.26
		4406.91	2393.95	404.88	4406.91	2349.50	404.88
8	ARB6	4406.91	2393.95	404.88	2946.40	2393.95	1300.23
		2946.40	2349.50	1300.23	4406.91	2349.50	404.88
		2946.40	2393.95	838.20	2946.40	2349.50	838.20
9	ARB6	2946.40	2393.95	838.20	2946.40	2393.95	889.00
		2946.40	2349.50	889.00	2946.40	2349.50	838.20
		2895.60	2393.95	838.20	2895.60	2349.50	838.20
10	ARB6	4406.91	2393.95	404.88	2946.40	2393.95	838.20
		2946.40	2349.50	838.20	4406.91	2349.50	404.88
		1651.00	2393.95	404.88	1651.00	2349.50	404.88
11	ARB6	2946.40	2393.95	838.20	1651.00	2393.95	838.20
		1651.00	2349.50	838.20	2946.40	2349.50	838.20
		1651.00	2393.95	404.88	1651.00	2349.50	404.88
12	ARB6	5503.17	698.50	477.27	4769.87	698.50	1300.23
		4769.87	654.05	1300.23	5503.17	654.05	477.27
		5105.41	698.50	685.80	5105.41	654.05	685.80
13	ARB6	5503.17	698.50	477.27	5105.41	698.50	685.80
		5105.41	654.05	685.80	5503.17	654.05	477.27
		5465.33	698.50	443.49	5465.33	654.05	443.49
14	ARB6	5105.41	698.50	685.80	4769.87	698.50	1300.23
		4769.87	654.05	1300.23	5105.41	654.05	685.80
		2946.40	698.50	1300.23	2946.40	654.05	1300.23
15	ARB6	5105.41	698.50	685.80	2946.40	698.50	1300.23
		2946.40	654.05	1300.23	5105.41	654.05	685.80
		4406.91	698.50	404.88	4406.91	654.05	404.88
16	ARB6	5143.51	698.50	508.26	5105.41	698.50	685.80
		5105.41	654.05	685.80	5143.51	654.05	508.26
		4406.91	698.50	404.88	4406.91	654.05	404.88
17	ARB6	4406.91	698.50	404.88	2946.40	698.50	1300.23
		2946.40	654.05	1300.23	4406.91	654.05	404.88
		2946.40	698.50	838.20	2946.40	654.05	838.20

TABLE 8-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
18	ARB6	2946.40	698.50	838.20	2946.40	698.50	889.00
		2946.40	654.05	889.00	2946.40	654.05	838.20
		2895.60	698.50	838.20	2895.60	654.05	838.20
19	ARB6	4406.91	698.50	404.88	2946.40	698.50	838.20
		2946.40	654.05	838.20	4406.91	654.05	404.88
		1651.00	698.50	404.88	1651.00	654.05	404.88
20	ARB6	2946.40	698.50	838.20	1651.00	698.50	838.20
		1651.00	654.05	838.20	2946.40	654.05	838.20
		1651.00	698.50	404.88	1651.00	654.05	404.88
21	RCC	4229.36	635.00	587.25	0.00	1778.00	0.00
		132.59	0.00	0.00	0.00	0.00	0.00
22	RCC	3471.42	635.00	587.25	0.00	1778.00	0.00
		132.59	0.00	0.00	0.00	0.00	0.00
23	RCC	3103.12	635.00	587.25	0.00	1778.00	0.00
		132.59	0.00	0.00	0.00	0.00	0.00
24	RCC	2270.26	635.00	587.25	0.00	1778.00	0.00
		132.59	0.00	0.00	0.00	0.00	0.00
25	ARB6	5392.68	2921.00	573.79	4934.98	2921.00	514.86
		4934.98	2889.25	514.86	5392.68	2889.25	573.79
		5297.18	2921.00	450.85	5297.18	2889.25	450.85
26	ARB6	5392.68	2921.00	573.79	4633.98	2921.00	1036.07
		4633.98	2889.25	1036.07	5392.68	2889.25	573.79
		4934.98	2921.00	514.86	4934.98	2889.25	514.86
27	ARB6	5392.68	2921.00	573.79	4746.25	2921.00	1300.23
		4746.25	2889.25	1300.23	5392.68	2889.25	573.79
		4633.98	2921.00	1036.07	4633.98	2889.25	1036.07
28	ARB6	4746.25	2921.00	1300.23	3925.83	2921.00	1036.07
		3925.83	2889.25	1036.07	4746.25	2889.25	1300.23
		4633.98	2921.00	1036.07	4633.98	2889.25	1036.07
29	ARB6	4746.25	2921.00	1300.23	3721.11	2921.00	1300.23
		3721.11	2889.25	1300.23	4746.25	2889.25	1300.23
		3925.83	2921.00	1036.07	3925.83	2889.25	1036.07
30	ARB6	3925.83	2921.00	1036.07	3721.11	2921.00	1300.23
		3721.11	2889.25	1300.23	3925.83	2889.25	1036.07
		3721.11	2921.00	1240.79	3721.11	2889.25	1240.79
31	ARB6	5392.68	158.75	573.79	4934.98	158.75	514.86
		4934.98	127.00	514.86	5392.68	127.00	573.79
		5297.18	158.75	450.85	5297.18	127.00	450.85
32	ARB6	5392.68	158.75	573.79	4633.98	158.75	1036.07
		4633.98	127.00	1036.07	5392.68	127.00	573.79
		4934.98	158.75	514.86	4934.98	127.00	514.86
33	ARB6	5392.68	158.75	573.79	4746.25	158.75	1300.23
		4746.25	127.00	1300.23	5392.68	127.00	573.79
		4633.98	158.75	1036.07	4633.98	127.00	1036.07
34	ARB6	4746.25	158.75	1300.23	3925.83	158.75	1036.07
		3925.83	127.00	1036.07	4746.25	127.00	1300.23
		4633.98	158.75	1036.07	4633.98	127.00	1036.07

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
35	ARB6	4746.25	158.75	1300.23	3721.11	158.75	1300.23
		3721.11	127.00	1300.23	4746.25	127.00	1300.23
		3925.83	158.75	1036.07	3925.83	127.00	1036.07
36	ARB6	3925.83	158.75	1036.07	3721.11	158.75	1300.23
		3721.11	127.00	1300.23	3925.83	127.00	1036.07
		3721.11	158.75	1240.79	3721.11	127.00	1240.79
37	ARB6	1651.00	2400.30	404.88	1651.00	2400.30	1184.40
		1651.00	2257.05	1184.40	1651.00	2257.05	404.88
		1008.13	2400.30	1184.40	1008.13	2257.05	1184.40
38	ARB6	1651.00	2400.30	404.88	1008.13	2400.30	1184.40
		1008.13	2257.05	1184.40	1651.00	2257.05	404.88
		1089.66	2400.30	404.88	1089.66	2257.05	404.88
39	ARB6	1089.66	2400.30	404.88	1008.13	2400.30	1184.40
		1008.13	2257.05	1184.40	1089.66	2257.05	404.88
		863.60	2400.30	535.43	863.60	2257.05	535.43
40	ARB6	1606.55	2400.30	404.88	1606.55	2400.30	1139.95
		1606.55	2307.85	1139.95	1606.55	2307.85	404.88
		1042.42	2400.30	1127.25	1042.42	2307.85	1127.25
41	ARB6	1606.55	2400.30	390.88	1042.42	2400.30	1127.25
		1042.42	2307.85	1127.25	1606.55	2307.85	390.88
		1089.66	2400.30	390.88	1089.66	2307.85	390.88
42	ARB6	1089.66	2400.30	404.88	1042.42	2400.30	1127.25
		1042.42	2307.85	1127.25	1089.66	2307.85	404.88
		863.60	2400.30	404.88	863.60	2307.85	404.88
43	ARB6	1651.00	790.96	404.88	1651.00	790.96	1184.40
		1651.00	647.70	1184.40	1651.00	647.70	404.88
		1008.13	790.96	1184.40	1008.13	647.70	1184.40
44	ARB6	1651.00	790.96	404.88	1008.13	790.96	1184.40
		1008.13	647.70	1184.40	1651.00	647.70	404.88
		1089.66	790.96	404.88	1089.66	647.70	404.88
45	ARB6	1089.66	790.96	404.88	1008.13	790.96	1184.40
		1008.13	647.70	1184.40	1089.66	647.70	404.88
		863.60	790.96	535.43	863.60	647.70	535.43
46	ARB6	1606.55	740.16	404.88	1606.55	740.16	1139.95
		1606.55	647.70	1139.95	1606.55	647.70	404.88
		1042.42	740.16	1127.25	1042.42	647.70	1127.25
47	ARB6	1606.55	740.16	390.88	1042.42	740.16	1127.25
		1042.42	647.70	1127.25	1606.55	647.70	390.88
		1089.66	740.16	390.88	1089.66	647.70	390.88
48	ARB6	1089.66	740.16	404.88	1042.42	740.16	1127.25
		1042.42	647.70	1127.25	1089.66	647.70	404.88
		863.60	740.16	404.88	863.60	647.70	404.88
49	RPP	1792.48	4758.70	2393.95	2921.00	1293.88	1300.23
50	RPP	1792.48	4758.70	127.00	654.05	1293.88	1300.23
51	RPP	1089.66	4406.91	654.05	2393.95	395.23	404.88
52	RPP	1651.00	2946.40	2387.60	2393.95	838.20	1300.23
53	RPP	1651.00	2946.40	654.05	660.40	838.20	1300.23

TABLE 8-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
54	RPP	1843.58	2003.58	2267.90	2349.60	1206.11	1497.11
55	ARB8	2381.58	2291.44	1363.11	2413.58	2313.90	1407.11
		2003.58	2271.90	1407.11	2003.58	2237.90	1329.11
		2381.58	1892.36	1363.11	2413.58	1869.90	1407.11
		2003.58	1911.90	1407.11	2003.58	1945.90	1329.11
56	ARB8	2075.58	2278.38	1597.11	1973.58	2250.02	1847.11
		1947.58	2246.90	1845.11	1989.58	2269.90	1561.11
		2075.58	1951.09	1597.11	1973.58	1964.02	1847.11
		1947.58	1960.90	1845.11	1989.58	1937.90	1561.11
57	ELL1	2116.58	2091.90	2309.12	100.00	0.00	0.00
		85.00	0.00	0.00	0.00	0.00	0.00
58	RCC	2116.58	2091.90	2179.12	0.00	0.00	72.00
		60.00	0.00	0.00	0.00	0.00	0.00
59	REC	2116.58	2091.90	1659.11	0.00	0.00	520.00
		0.00	145.00	0.00	107.00	0.00	0.00
60	RPP	2006.58	2226.58	1941.90	2241.90	1659.11	1919.11
61	REC	2116.58	2091.90	1477.11	0.00	0.00	182.00
		0.00	167.00	0.00	93.00	0.00	0.00
62	RCC	2116.58	2284.40	2179.12	0.00	0.00	-364.00
		47.50	0.00	0.00	0.00	0.00	0.00
63	RCC	2116.58	1899.40	2179.12	0.00	0.00	-364.00
		47.50	0.00	0.00	0.00	0.00	0.00
64	SPH	2116.58	2284.40	1815.11	42.50	0.00	0.00
65	SPH	2116.58	1899.40	1815.11	42.50	0.00	0.00
66	TRC	2116.58	2284.40	1815.11	274.00	0.00	0.00
		42.50	30.00	0.00	0.00	0.00	0.00
67	TRC	2116.58	1899.40	1815.11	274.00	0.00	0.00
		42.50	30.00	0.00	0.00	0.00	0.00
68	RPP	2390.58	2508.18	2244.90	2314.90	1770.11	1860.11
69	RPP	2390.58	2508.18	1868.90	1938.90	1770.11	1860.11
70	SPH	2116.58	2179.40	1477.11	80.00	0.00	0.00
71	SPH	2116.58	2004.40	1477.11	80.00	0.00	0.00
72	TRC	2116.58	2179.40	1477.11	400.00	0.00	0.00
		80.00	66.00	0.00	0.00	0.00	0.00
73	TRC	2116.58	2004.40	1477.11	400.00	0.00	0.00
		80.00	66.00	0.00	0.00	0.00	0.00
74	SPH	2516.58	2179.40	1477.11	66.00	0.00	0.00
75	SPH	2516.58	2004.40	1477.11	66.00	0.00	0.00
76	TRC	2516.58	2179.40	1477.11	394.00	0.00	-233.00
		66.00	50.00	0.00	0.00	0.00	0.00
77	TRC	2516.58	2004.40	1477.11	394.00	0.00	-233.00
		66.00	50.00	0.00	0.00	0.00	0.00
78	SPH	2910.58	2179.40	1244.11	50.00	0.00	0.00
79	SPH	2910.58	2004.40	1244.11	50.00	0.00	0.00
80	ARB6	2877.44	1720.75	2300.06	2877.44	2749.45	2300.06
		2852.60	2749.45	2263.20	2852.60	1720.75	2263.20
		3088.51	2749.45	2157.82	3063.67	2749.45	2120.96

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
81	ARB6	3088.51	2749.45	2157.82	3088.51	1720.75	2157.82
		3063.67	1720.75	2120.96	3063.67	2749.45	2120.96
		2877.44	1720.75	2300.06	2852.60	1720.75	2263.20
82	ARB6	3088.51	1720.75	2157.82	3088.51	2749.45	2157.82
		3044.06	2749.45	2157.82	3044.06	1720.75	2157.82
		3088.51	2417.98	1811.11	3044.06	2417.98	1811.11
83	ARB6	3088.51	1720.75	2157.82	3088.51	2417.98	1811.11
		3044.06	2417.98	1811.11	3044.06	1720.75	2157.82
		3088.51	1720.75	1715.86	3044.06	1720.75	1715.86
84	ARB6	3088.51	1720.75	1715.86	3088.51	2417.98	1811.11
		3044.06	2417.98	1811.11	3044.06	1720.75	1715.86
		3088.51	2417.98	1715.86	3044.06	2417.98	1715.86
85	ARB6	3088.51	2417.98	1811.11	3088.51	2749.45	2157.82
		3044.06	2749.45	2157.82	3044.06	2417.98	1811.11
		3088.51	2749.45	1811.11	3044.06	2749.45	1811.11
86	ARB6	3088.51	2749.45	1811.11	3088.51	2749.45	2157.82
		3088.51	2705.00	2157.82	3088.51	2705.00	1811.11
		2877.44	2749.45	2300.06	2877.44	2705.00	2300.06
87	ARB6	3088.51	2749.45	1811.11	2877.44	2749.45	2300.06
		2877.44	2705.00	2300.06	3088.51	2705.00	1811.11
		1750.69	2749.45	1811.11	1750.69	2705.00	1811.11
88	ARB6	2877.44	2749.45	2300.06	1750.69	2749.45	2300.06
		1750.69	2705.00	2300.06	2877.44	2705.00	2300.06
		1750.69	2749.45	1811.11	1750.69	2705.00	1811.11
89	ARB6	1760.21	2749.45	1487.26	1760.21	2749.45	2300.06
		1795.14	2749.45	2300.06	1795.14	2749.45	1487.26
		1760.21	1720.75	2300.06	1795.14	1720.75	2300.06
90	ARB6	1760.21	2749.45	1487.26	1760.21	1720.75	2300.06
		1795.14	1720.75	2300.06	1795.14	2749.45	1487.26
		1760.21	1720.75	1487.26	1795.14	1720.75	1487.26
91	ARB6	1795.14	2275.74	1315.81	1795.14	2275.74	1487.26
		1760.21	2275.74	1487.26	1760.21	2275.74	1315.81
		1795.14	2749.45	1487.26	1760.21	2749.45	1487.26
92	ARB6	1795.14	2275.74	1315.81	1795.14	2749.45	1487.26
		1760.21	2749.45	1487.26	1760.21	2275.74	1315.81
		1795.14	2749.45	1315.81	1760.21	2749.45	1315.81
93	ARB6	2299.33	2575.97	1487.26	1795.14	2575.97	1811.11
		1795.14	2537.87	1811.11	2299.33	2537.87	1487.26
		1795.14	2575.97	1487.26	1795.14	2537.87	1487.26
94	ARB6	2299.33	2575.97	1487.26	2299.33	2575.97	1811.11
		2299.33	2537.87	1811.11	2299.33	2537.87	1487.26
		1795.14	2575.97	1811.11	1795.14	2537.87	1811.11
95	ARB6	2674.49	2499.26	1487.26	3088.51	2417.98	1715.86
		3081.17	2380.60	1715.86	2667.15	2461.88	1487.26
		3088.51	2417.98	1811.11	3081.17	2380.60	1811.11
96	ARB6	2674.49	2499.26	1487.26	3088.51	2417.98	1811.11
		3081.03	2380.62	1811.29	2667.01	2461.90	1487.44

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		2299.33	2575.97	1811.11	2291.85	2538.61	1811.29
97	ARB6	2674.49	2499.26	1487.26	2299.33	2575.97	1811.11
		2291.70	2538.64	1811.11	2666.86	2461.94	1487.26
		2299.33	2575.97	1487.26	2291.70	2538.64	1487.26
98	ARB6	1750.69	1720.75	1487.26	1750.69	1720.75	2300.06
		1750.69	1752.50	2300.06	1750.69	1752.50	1487.26
		3088.51	1720.75	1715.86	3088.51	1752.50	1715.86
99	ARB6	1750.69	1720.75	1487.26	3088.51	1720.75	1715.86
		3088.51	1752.50	1715.86	1750.69	1752.50	1487.26
		2674.49	1720.75	1487.26	2674.49	1752.50	1487.26
100	ARB6	3088.51	1720.75	1715.86	1750.69	1720.75	2300.06
		1750.69	1752.50	2300.06	3088.51	1752.50	1715.86
		2877.44	1720.75	2300.06	2877.44	1752.50	2300.06
101	ARB6	3088.51	1720.75	1715.86	2877.44	1720.75	2300.06
		2877.44	1752.50	2300.06	3088.51	1752.50	1715.86
		3088.51	1720.75	2157.82	3088.51	1752.50	2157.82
102	RCC	2116.58	2247.90	2753.61	0.00	0.00	19.05
		254.00	0.00	0.00	0.00	0.00	0.00
103	RCC	2116.58	2247.90	2613.91	0.00	0.00	139.70
		271.78	0.00	0.00	0.00	0.00	0.00
104	RCC	2116.58	2247.90	2735.83	0.00	0.00	-304.80
		234.95	0.00	0.00	0.00	0.00	0.00
105	RCC	2116.58	2247.90	2613.91	0.00	0.00	-19.05
		419.10	0.00	0.00	0.00	0.00	0.00
106	RCC	2116.58	2247.90	2486.91	0.00	0.00	107.95
		438.15	0.00	0.00	0.00	0.00	0.00
107	RCC	2116.58	2247.90	2447.11	0.00	0.00	128.70
		393.70	0.00	0.00	0.00	0.00	0.00
108	ARS		4	7	0		
		2116.58	2247.90	2486.91	2116.58	2247.90	2486.91
		2116.58	2247.90	2486.91	2116.58	2247.90	2486.91
		2116.58	2247.90	2486.91	2116.58	2247.90	2486.91
		2116.58	2247.90	2486.91	2116.58	2247.90	2309.12
		1760.98	2720.34	2486.91	2345.18	2720.34	2486.91
		2637.28	2410.46	2486.91	2637.28	2085.34	2486.91
		2345.18	1775.46	2486.91	1760.98	1775.46	2486.91
		1760.98	2720.34	2486.91	2116.58	2247.90	2309.12
		1760.98	2768.60	2309.12	2891.29	2768.60	2309.12
		2891.29	2247.90	2309.12	2891.29	1727.20	2309.12
		1760.98	1727.20	2309.12	1760.98	2247.90	2309.12
		1760.98	2768.60	2309.12	2116.58	2247.90	2309.12
		2116.58	2247.90	2309.12	2116.58	2247.90	2309.12
		2116.58	2247.90	2309.12	2116.58	2247.90	2309.12
		2116.58	2247.90	2309.12	2116.58	2247.90	2309.12
		2116.58	2247.90	2309.12	2116.58	2247.90	2309.12
109	ARS		4	7	0		
		2128.48	2238.57	2448.11	2128.48	2238.57	2448.11

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		2128.48	2238.57	2448.11	2128.48	2238.57	2448.11
		2128.48	2238.57	2448.11	2128.48	2238.57	2448.11
		2128.48	2238.57	2448.11	2128.48	2238.57	2448.11
		2637.20	2009.67	2448.11	2443.25	1803.00	2448.11
		1807.35	1803.00	2448.11	1807.35	2683.74	2448.11
		2455.37	2683.74	2448.11	2640.38	2496.14	2448.11
		2637.20	2009.67	2448.11	2116.58	2247.90	2309.12
		2824.72	1761.65	2307.11	2449.61	1764.83	2307.11
		1807.35	1761.65	2307.11	1807.35	2718.68	2307.11
		2452.79	2715.50	2307.11	2824.72	2718.68	2307.11
		2324.72	1761.65	2307.11	2116.58	2247.90	2309.12
		2128.48	2238.57	2307.11	2128.48	2238.57	2307.11
		2128.48	2238.57	2307.11	2128.48	2238.57	2307.11
		2128.48	2238.57	2307.11	2128.48	2238.57	2307.11
		2128.48	2238.57	2307.11	2116.58	2247.90	2309.12
110	ARBB	5165.76	2407.38	510.25	5165.76	660.62	510.25
		5167.11	660.62	500.66	5167.11	2407.38	500.66
		4426.26	2407.38	406.47	4426.26	660.62	406.47
		4427.60	660.62	396.87	4427.60	2407.38	396.87
111	ARBB	5526.84	2407.38	479.14	4790.65	2407.38	1305.35
		4771.61	2407.38	1288.38	5507.80	2407.38	462.18
		5526.84	2936.50	479.14	4790.65	2936.50	1305.35
		4771.61	2936.50	1288.38	5507.80	2936.50	462.18
112	ARBB	5526.84	131.50	479.14	4790.65	131.50	1305.35
		4771.61	131.50	1288.38	5507.80	131.50	462.18
		5526.84	660.62	479.14	4790.65	660.62	1305.35
		4771.61	660.62	1288.38	5507.80	660.62	462.18
113	RCC	1295.40	2478.00	838.20	0.00	40.80	0.00
		299.40	0.00	0.00	0.00	0.00	0.00
114	TRC	1295.40	2478.00	838.20	0.00	168.80	0.00
		218.40	143.20	0.00	0.00	0.00	0.00
115	TRC	1295.40	2478.00	838.20	0.00	158.80	0.00
		208.00	133.20	0.00	0.00	0.00	0.00
116	TRC	1295.40	2815.60	838.20	0.00	-168.80	0.00
		218.40	143.20	0.00	0.00	0.00	0.00
117	TRC	1295.40	2815.60	838.20	0.00	-158.80	0.00
		208.00	133.20	0.00	0.00	0.00	0.00
118	RCC	1295.40	2815.60	838.20	0.00	-40.80	0.00
		299.40	0.00	0.00	0.00	0.00	0.00
119	RCC	1295.40	570.00	838.20	0.00	-40.80	0.00
		299.40	0.00	0.00	0.00	0.00	0.00
120	TRC	1295.40	570.00	838.20	0.00	-168.80	0.00
		218.40	143.20	0.00	0.00	0.00	0.00
121	TRC	1295.40	570.00	838.20	0.00	-158.80	0.00
		208.00	133.20	0.00	0.00	0.00	0.00
122	TRC	1295.40	232.40	838.20	0.00	168.80	0.00
		218.40	143.20	0.00	0.00	0.00	0.00

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
123	TRC	1295.40	232.40	838.20	0.00	158.80	0.00
		208.00	133.20	0.00	0.00	0.00	0.00
124	RCC	1295.40	232.40	838.20	0.00	40.80	0.00
		299.40	0.00	0.00	0.00	0.00	0.00
125	RCC	1904.49	2780.00	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
126	RCC	1904.49	2780.00	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
127	RCC	1904.49	2780.00	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
128	RCC	1904.49	2525.70	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
129	RCC	1904.49	2525.70	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
130	RCC	1904.49	2525.70	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
131	RCC	1904.49	268.00	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
132	RCC	1904.49	268.00	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
133	RCC	1904.49	268.00	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
134	RCC	1904.49	522.30	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
135	RCC	1904.49	522.30	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
136	RCC	1904.49	522.30	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
137	RCC	2737.42	2780.00	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
138	RCC	2737.42	2780.00	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
139	RCC	2737.42	2780.00	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
140	RCC	2737.42	2525.70	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
141	RCC	2737.42	2525.70	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
142	RCC	2737.42	2525.70	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
143	RCC	2737.42	268.00	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
144	RCC	2737.42	268.00	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
145	RCC	2737.42	268.00	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
146	RCC	2737.42	522.30	461.00	0.00	-117.20	0.00

TABLE 8-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		355.60	0.00	0.00	0.00	0.00	0.00
147	RCC	2737.42	522.30	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
148	RCC	2737.42	522.30	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
149	RCC	3837.19	2780.00	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
150	RCC	3837.19	2780.00	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
151	RCC	3837.19	2780.00	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
152	RCC	3837.19	2525.70	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
153	RCC	3837.19	2525.70	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
154	RCC	3837.19	2525.70	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
155	RCC	3837.19	268.00	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
156	RCC	3837.19	268.00	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
157	RCC	3837.19	268.00	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
158	RCC	3837.19	522.30	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
159	RCC	3837.19	522.30	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
160	RCC	3837.19	522.30	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
161	RCC	4595.12	2780.00	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
162	RCC	4595.12	2780.00	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
163	RCC	4595.12	2780.00	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
164	RCC	4595.12	2525.70	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
165	RCC	4595.12	2525.70	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
166	RCC	4595.12	2525.70	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
167	RCC	4595.12	268.00	461.00	0.00	117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
168	RCC	4595.12	268.00	461.00	0.00	117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
169	RCC	4595.12	268.00	461.00	0.00	99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
170	RCC	4595.12	522.30	461.00	0.00	-117.20	0.00
		355.60	0.00	0.00	0.00	0.00	0.00
171	RCC	4595.12	522.30	461.00	0.00	-117.20	0.00
		267.20	0.00	0.00	0.00	0.00	0.00
172	RCC	4595.12	522.30	461.00	0.00	-99.20	0.00
		253.20	0.00	0.00	0.00	0.00	0.00
173	ARB8	3296.16	333.75	1890.27	3468.88	333.75	2225.55
		3468.88	2714.25	2225.55	3296.16	2714.25	1890.27
		3290.52	333.75	1893.18	3463.24	333.75	2228.46
		3463.24	2714.25	2228.46	3290.52	2714.25	1893.18
174	ARB8	3296.16	333.75	1890.27	3296.16	2714.25	1890.27
		3296.16	2714.25	1809.75	3296.16	333.75	1809.75
		3289.81	333.75	1890.27	3289.81	2714.25	1890.27
		3289.81	2714.25	1809.75	3289.81	333.75	1809.75
175	ARB8	3296.16	286.00	1809.75	3296.16	2754.30	1809.75
		3296.16	2754.30	1320.80	3296.16	286.00	1320.80
		3289.81	286.00	1809.75	3289.81	2754.30	1809.75
		3289.81	2754.30	1320.80	3289.81	286.00	1320.80
176	ARB8	3296.16	698.50	1320.80	3296.16	2349.50	1320.80
		3296.16	2349.50	1270.00	3296.16	698.50	1270.00
		3289.81	698.50	1320.80	3289.81	2349.50	1320.80
		3289.81	2349.50	1270.00	3289.81	698.50	1270.00
177	ARB8	3296.16	698.50	1270.00	3296.16	2349.50	1270.00
		3455.42	2349.50	733.55	3455.42	698.50	733.55
		3290.07	698.50	1268.20	3290.07	2349.50	1268.19
		3449.33	2349.50	731.75	3449.33	698.50	731.75
178	ARB8	3455.42	1021.08	733.55	3455.42	2026.92	733.55
		3522.48	1943.10	584.20	3522.48	1104.90	584.20
		3449.63	1021.08	730.95	3449.63	2026.92	730.95
		3516.68	1943.10	581.60	3516.68	1104.90	581.60
179	ARB8	5105.41	698.50	736.60	5105.41	2349.50	736.60
		5511.81	2349.50	421.64	5511.81	698.50	421.64
		5089.85	698.50	716.52	5089.85	2349.50	716.52
		5496.25	2349.50	401.57	5496.25	698.50	401.56
180	ARB8	2082.80	2041.65	736.60	2082.80	1006.35	736.60
		2082.80	1101.85	587.25	2082.80	1946.15	587.25
		5384.81	2041.65	736.60	5384.81	1006.35	736.60
		5384.81	1101.85	587.25	5384.81	1946.15	587.25
181	ARB8	2082.80	2049.02	736.60	2082.80	998.98	736.60
		2082.80	1094.49	580.90	2082.80	1953.52	580.90
		5384.81	2049.02	736.60	5384.81	998.98	736.60
		5384.81	1094.49	580.90	5384.81	1953.52	580.90
182	ARB8	5105.41	998.98	736.60	5105.41	698.50	736.60
		2082.80	698.50	736.60	2082.80	998.98	736.60
		5105.41	998.98	730.25	5105.41	698.50	730.25
		2082.80	698.50	730.25	2082.80	998.98	730.25
183	ARB8	5105.41	2049.02	736.60	5105.41	2349.50	736.60

TABLE 9-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		2082.80	2349.50	736.60	2082.80	2049.02	736.60
		5105.41	2049.02	730.25	5105.41	2349.50	730.25
		2082.80	2349.50	730.25	2082.80	2049.02	730.25
184	ARB8	5105.41	2349.50	736.60	5511.81	2349.50	421.64
		5588.01	2349.50	421.64	5588.01	2349.50	736.60
		5105.41	571.50	736.60	5511.81	571.50	421.64
		5588.01	571.50	421.64	5588.01	571.50	736.60
185	ARB8	4595.12	2886.71	44.45	4595.12	2886.71	877.57
		1905.00	2886.71	877.57	1837.44	2886.71	44.45
		4595.12	2429.51	44.45	4595.12	2429.51	877.57
		1905.00	2429.51	877.57	1837.44	2429.51	44.45
186	ARB8	4595.12	2886.71	95.25	4595.12	2886.71	826.77
		1872.00	2886.71	826.77	1837.44	2886.71	95.25
		4595.12	2429.51	95.25	4595.12	2429.51	826.77
		1872.00	2429.51	826.77	1837.44	2429.51	95.25
187	RCC	4595.12	2886.71	461.01	0.00	-457.20	0.00
		416.56	0.00	0.00	0.00	0.00	0.00
188	RCC	4595.12	2886.71	461.01	0.00	-457.20	0.00
		365.76	0.00	0.00	0.00	0.00	0.00
189	RCC	1295.40	2886.71	838.20	0.00	-457.20	0.00
		350.27	0.00	0.00	0.00	0.00	0.00
190	RCC	1295.40	2886.71	838.20	0.00	-457.20	0.00
		299.47	0.00	0.00	0.00	0.00	0.00
191	ARB8	1837.44	2886.71	44.45	1905.00	2886.71	877.57
		1470.66	2886.71	1141.48	1120.14	2886.71	534.93
		1837.44	2429.51	44.45	1905.00	2429.51	877.57
		1470.66	2429.51	1141.48	1120.14	2429.51	534.93
192	ARB8	1847.44	2886.71	95.25	1915.00	2886.71	826.77
		1445.01	2886.71	1097.54	1145.54	2886.71	578.87
		1347.44	2429.51	95.25	1915.00	2429.51	826.77
		1445.01	2429.51	1097.54	1145.54	2429.51	578.87
193	ARB8	4595.12	618.49	44.45	4595.12	618.49	877.57
		1905.00	618.49	877.57	1837.44	618.49	44.45
		4595.12	161.29	44.45	4595.12	161.29	877.57
		1905.00	161.29	877.57	1837.44	161.29	44.45
194	ARB8	4595.12	618.49	95.25	4595.12	618.49	826.77
		1872.00	618.49	826.77	1837.44	618.49	95.25
		4595.12	161.29	95.25	4595.12	161.29	826.77
		1872.00	161.29	826.77	1837.44	161.29	95.25
195	RCC	4595.12	618.49	461.01	0.00	-457.20	0.00
		416.56	0.00	0.00	0.00	0.00	0.00
196	RCC	4595.12	618.49	461.01	0.00	-457.20	0.00
		365.76	0.00	0.00	0.00	0.00	0.00
197	RCC	1295.40	618.49	838.20	0.00	-457.20	0.00
		350.27	0.00	0.00	0.00	0.00	0.00
198	RCC	1295.40	618.49	838.20	0.00	-457.20	0.00
		299.47	0.00	0.00	0.00	0.00	0.00

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
199	ARBB	1837.44	618.49	44.45	1905.00	618.49	877.57
		1470.56	618.49	1141.48	1120.14	618.49	534.93
		1837.44	161.29	44.45	1905.00	161.29	877.57
		1470.56	161.29	1141.48	1120.14	161.29	534.93
200	ARBB	1847.44	618.49	95.25	1915.00	618.49	826.77
		1445.01	618.49	1097.54	1145.54	618.49	578.87
		1847.44	161.29	95.25	1915.00	161.29	826.77
		1445.01	161.29	1097.54	1145.54	161.29	578.87
201	ARBB	3086.10	2762.25	1820.17	1919.48	2762.25	1820.17
		1919.48	2762.25	1300.23	3086.10	2762.25	1300.23
		3086.10	2755.90	1820.17	1919.48	2755.90	1820.17
		1919.48	2755.90	1300.23	3086.10	2755.90	1300.23
202	ARBB	3086.10	285.75	2036.32	1919.48	285.75	2036.32
		1919.48	285.75	1300.23	3086.10	285.75	1300.23
		3086.10	279.40	2036.32	1919.48	279.40	2036.32
		1919.48	279.40	1300.23	3086.10	279.40	1300.23
203	RCC	4105.15	2781.30	1352.55	0.00	-25.40	0.00
		1402.08	0.00	0.00	0.00	0.00	0.00
204	ARBB	5506.98	2781.30	485.65	5506.98	2781.30	1900.18
		4400.56	2781.30	1900.18	4769.87	2781.30	1300.23
		5506.98	2755.90	485.65	5506.98	2755.90	1900.18
		4400.56	2755.90	1900.18	4769.87	2755.90	1300.23
205	ARBB	4769.87	2762.25	1300.23	4400.56	2762.25	1900.18
		3086.10	2762.25	2036.32	3086.10	2762.25	1300.23
		4769.87	2755.90	1300.23	4400.56	2755.90	1900.18
		3086.10	2755.90	2036.32	3086.10	2755.90	1300.23
206	RCC	4105.15	279.40	1352.55	0.00	-25.40	0.00
		1402.08	0.00	0.00	0.00	0.00	0.00
207	ARBB	5506.98	279.40	485.65	5506.98	279.40	1900.18
		4400.56	279.40	1900.18	4769.87	279.40	1300.23
		5506.98	254.00	485.65	5506.98	254.00	1900.18
		4400.56	254.00	1900.18	4769.87	254.00	1300.23
208	ARBB	4769.87	279.40	1300.23	4400.56	279.40	1900.18
		3086.10	279.40	2036.32	3086.10	279.40	1300.23
		4769.87	273.05	1300.23	4400.56	273.05	1900.18
		3086.10	273.05	2036.32	3086.10	273.05	1300.23
209	ARBB	2905.51	2921.00	1403.35	2905.51	2921.00	1300.23
		4105.15	2921.00	1300.23	3993.39	2921.00	1403.35
		2905.51	2762.25	1403.35	2905.51	2762.25	1300.23
		4105.15	2762.25	1300.23	3993.39	2762.25	1403.35
210	ARBB	4155.95	2921.00	1356.11	4049.27	2921.00	1459.23
		3993.39	2921.00	1403.35	4105.15	2921.00	1300.23
		4155.95	2762.25	1356.11	4049.27	2762.25	1459.23
		3993.39	2762.25	1403.35	4105.15	2762.25	1300.23
211	RCC	4105.15	2921.00	1403.35	0.00	-158.75	0.00
		76.20	0.00	0.00	0.00	0.00	0.00
212	ARBB	2905.51	285.75	1403.35	2905.51	285.75	1300.23

TABLE 8-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		4105.15	285.75	1300.23	3993.39	285.75	1403.35
		2905.51	127.00	1403.35	2905.51	127.00	1300.23
		4105.15	127.00	1300.23	3993.39	127.00	1403.35
213	ARB8	4155.95	285.75	1356.11	4049.27	285.75	1459.23
		3993.39	285.75	1403.35	4105.15	285.75	1300.23
		4155.95	127.00	1356.11	4049.27	127.00	1459.23
		3993.39	127.00	1403.35	4105.15	127.00	1300.23
214	RCC	4105.15	285.75	1403.35	0.00	-158.75	0.00
		76.20	0.00	0.00	0.00	0.00	0.00
215	RCC	1295.40	2308.86	838.20	0.00	-1569.72	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
216	ARB8	1089.66	2308.86	395.23	1089.66	2308.86	535.43
		863.60	2308.86	535.43	958.85	2308.86	438.15
		1089.66	739.14	395.23	1089.66	739.14	535.43
		863.60	739.14	535.43	958.85	739.14	438.15
217	RCC	685.80	1752.60	889.00	0.00	-482.60	0.00
		127.00	0.00	0.00	0.00	0.00	0.00
218	ARB8	25.40	1752.60	444.50	25.40	1752.60	812.80
		304.80	1752.60	812.80	304.80	1752.60	444.50
		25.40	2209.80	444.50	25.40	2209.80	812.80
		304.80	2209.80	812.80	304.80	2209.80	444.50
219	ARB8	1008.13	647.70	1181.86	1008.13	2400.30	1181.86
		863.60	2400.30	535.43	863.60	647.70	535.43
		995.73	647.70	1184.64	995.73	2400.30	1184.64
		851.21	2400.30	538.21	851.21	647.70	538.21
220	ARB8	304.80	647.70	822.20	304.80	2400.30	822.20
		863.60	2400.30	535.43	863.60	647.70	535.43
		300.45	647.70	813.73	300.45	2400.30	813.73
		859.25	2400.30	526.96	859.25	647.70	526.96
221	ARB8	304.80	2921.00	1181.86	304.80	2921.00	1373.13
		304.80	127.00	1373.13	304.80	127.00	1181.86
		492.76	2921.00	1181.86	492.76	2921.00	1373.13
		492.76	127.00	1373.13	492.76	127.00	1181.86
222	ARB8	1008.13	2393.95	1181.86	863.60	2393.95	535.43
		304.80	2393.95	822.20	304.80	2393.95	1181.86
		1008.13	2403.48	1181.86	863.60	2403.48	535.43
		304.80	2403.48	822.20	304.80	2403.48	1181.86
223	ARB8	1008.13	635.00	1181.86	863.60	635.00	535.43
		304.80	635.00	822.20	304.80	635.00	1181.86
		1008.13	644.52	1181.86	863.60	644.52	535.43
		304.80	644.52	822.20	304.80	644.52	1181.86
224	ARB8	304.80	647.70	822.20	304.80	647.70	1181.86
		304.80	2400.30	1181.86	304.80	2400.30	822.20
		295.27	647.70	822.20	295.27	647.70	1181.86
		295.27	2400.30	1181.86	295.27	2400.30	822.20
225	ARB8	1750.00	2895.60	1373.13	1750.00	152.40	1373.13
		492.76	152.40	1373.13	492.76	2895.60	1373.13

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		1750.00	2895.60	1363.60	1750.00	152.40	1363.60
		492.76	152.40	1363.60	492.76	2895.60	1363.60
226	ARB8	1919.48	2921.00	1181.91	1919.48	2921.00	2397.77
		1792.48	2921.00	2397.77	1792.48	2921.00	1181.91
		1919.48	2762.25	1181.91	1919.48	2762.25	2397.77
		1792.48	2762.25	2397.77	1792.48	2762.25	1181.91
227	ARB8	304.80	2921.00	1373.13	406.40	2921.00	1373.13
		406.40	2921.00	2336.80	304.80	2921.00	2336.80
		304.80	2819.40	1373.13	406.40	2819.40	1373.13
		406.40	2819.40	2336.80	304.80	2819.40	2336.80
228	ARB8	1792.48	2895.60	1363.60	492.76	2895.60	1363.60
		492.76	2895.60	1181.86	1792.48	2895.60	1181.91
		1792.48	2393.95	1363.60	492.76	2393.95	1363.60
		492.76	2393.95	1181.86	1792.48	2393.95	1181.91
229	ARB8	1919.48	285.75	1181.91	1919.48	285.75	2397.77
		1792.48	285.75	2397.77	1792.48	285.75	1181.91
		1919.48	127.00	1181.91	1919.48	127.00	2397.77
		1792.48	127.00	2397.77	1792.48	127.00	1181.91
230	ARB8	304.80	228.60	1373.13	406.40	228.60	1373.13
		406.40	228.60	2336.80	304.80	228.60	2336.80
		304.80	127.00	1373.13	406.40	127.00	1373.13
		406.40	127.00	2336.80	304.80	127.00	2336.80
231	ARB8	1792.48	654.05	1363.60	492.76	654.05	1363.60
		492.76	654.05	1181.86	1792.48	654.05	1181.91
		1792.48	152.40	1363.60	492.76	152.40	1363.60
		492.76	152.40	1181.86	1792.48	152.40	1181.91
232	ARB8	518.13	2746.51	1981.20	518.13	2098.81	1981.20
		518.13	2098.81	1384.30	518.13	2746.51	1384.30
		1750.03	2746.51	1981.20	1750.03	2098.81	1981.20
		1750.03	2098.81	1384.30	1750.03	2746.51	1384.30
233	ARB8	518.13	2746.51	1384.30	518.13	2378.20	1384.30
		518.13	2378.20	1206.50	518.13	2746.51	1206.50
		1750.03	2746.51	1384.30	1750.03	2378.20	1384.30
		1750.03	2378.20	1206.50	1750.03	2746.51	1206.50
234	ARB8	521.43	2743.20	1978.15	521.43	2101.85	1978.15
		521.43	2101.85	1387.35	521.43	2743.20	1387.35
		1746.99	2743.20	1978.15	1746.99	2101.85	1978.15
		1746.99	2101.85	1387.35	1746.99	2743.20	1387.35
235	ARB8	521.43	2743.20	1387.35	521.43	2381.25	1387.35
		521.43	2381.25	1209.55	521.43	2743.20	1209.55
		1746.99	2743.20	1387.35	1746.99	2381.25	1387.35
		1746.99	2381.25	1209.55	1746.99	2743.20	1209.55
236	ARB8	2997.20	2921.00	1293.88	1919.48	2921.00	1293.88
		1919.48	2921.00	1181.86	2997.20	2921.00	1243.08
		2997.20	2393.95	1293.88	1919.48	2393.95	1293.88
		1919.48	2393.95	1181.86	2997.20	2393.95	1243.08
237	ARB8	2997.20	654.05	1293.88	1919.48	654.05	1293.88

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		1919.48	654.05	1181.86	2997.20	654.05	1243.08
		2997.20	127.00	1293.88	1919.48	127.00	1293.88
		1919.48	127.00	1181.86	2997.20	127.00	1243.08
238	ARBB	304.80	1826.77	1373.13	406.40	1826.77	1373.13
		406.40	1826.77	2336.80	304.80	1826.77	2336.80
		304.80	1725.17	1373.13	406.40	1725.17	1373.13
		406.40	1725.17	2336.80	304.80	1725.17	2336.80
239	ARBB	304.80	782.32	1373.13	406.40	782.32	1373.13
		406.40	782.32	2336.80	304.80	782.32	2336.80
		304.80	680.72	1373.13	406.40	680.72	1373.13
		406.40	680.72	2336.80	304.80	680.72	2336.80
240	ARBB	2906.02	2762.25	1300.23	2906.02	2762.25	2397.77
		2906.02	2921.00	2397.77	2906.02	2921.00	1300.23
		2804.42	2762.25	1300.23	2804.42	2762.25	2397.77
		2804.42	2921.00	2397.77	2804.42	2921.00	1300.23
241	ARBB	2906.02	127.00	1300.23	2906.02	127.00	2397.77
		2906.02	285.75	2397.77	2906.02	285.75	1300.23
		2804.42	127.00	1300.23	2804.42	127.00	2397.77
		2804.42	285.75	2397.77	2804.42	285.75	1300.23
242	ARBB	1792.48	2921.00	2184.40	406.40	2921.00	2336.80
		406.40	2921.00	2260.60	1792.48	2921.00	2108.20
		1792.48	2844.80	2184.40	406.40	2844.80	2336.80
		406.40	2844.80	2260.60	1792.48	2844.80	2108.20
243	ARBB	1792.48	203.20	2184.40	406.40	203.20	2336.80
		406.40	203.20	2260.60	1792.48	203.20	2108.20
		1792.48	127.00	2184.40	406.40	127.00	2336.80
		406.40	127.00	2260.60	1792.48	127.00	2108.20
244	ARBB	1574.80	1686.56	2336.80	1574.80	444.50	2336.80
		1574.80	444.50	1422.40	1574.80	1686.56	1422.40
		1727.20	1686.56	2336.80	1727.20	444.50	2336.80
		1727.20	444.50	1422.40	1727.20	1686.56	1422.40
245	ARBB	1792.48	2921.00	2184.40	406.40	2921.00	2336.80
		406.40	2921.00	1373.13	1792.48	2921.00	1373.13
		1792.48	2911.48	2184.40	406.40	2911.48	2336.80
		406.40	2911.48	1373.13	1792.48	2911.48	1373.13
246	ARBB	1792.48	2885.95	1439.80	1792.48	2917.96	1408.05
		1792.48	2917.96	1338.20	1792.48	2885.95	1306.45
		406.40	2885.95	1439.80	406.40	2917.96	1408.05
		406.40	2917.96	1338.20	406.40	2885.95	1306.45
247	ARBB	1792.48	2921.00	1411.61	1792.48	2889.00	1443.36
		1792.48	2889.00	1513.21	1792.48	2921.00	1544.96
		406.40	2921.00	1411.61	406.40	2889.00	1443.36
		406.40	2889.00	1513.21	406.40	2921.00	1544.96
248	ARBB	1792.48	2885.95	1650.11	1792.48	2917.96	1618.36
		1792.48	2917.96	1548.51	1792.48	2885.95	1516.76
		406.40	2885.95	1650.11	406.40	2917.96	1618.36
		406.40	2917.96	1548.51	406.40	2885.95	1516.76

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
249	ARB8	1792.48	2921.00	1621.92	1792.48	2889.00	1653.67
		1792.48	2889.00	1723.52	1792.48	2921.00	1755.27
		406.40	2921.00	1621.92	406.40	2889.00	1653.67
		406.40	2889.00	1723.52	406.40	2921.00	1755.27
250	ARB8	1792.48	2885.95	1860.43	1792.48	2917.96	1828.68
		1792.48	2917.96	1758.83	1792.48	2885.95	1727.08
		406.40	2885.95	1860.43	406.40	2917.96	1828.68
		406.40	2917.96	1758.83	406.40	2885.95	1727.08
251	ARB8	1792.48	2921.00	1832.23	1792.48	2889.00	1863.98
		1792.48	2889.00	1933.83	1792.48	2921.00	1965.58
		406.40	2921.00	1832.23	406.40	2889.00	1863.98
		406.40	2889.00	1933.83	406.40	2921.00	1965.58
252	ARB8	1792.48	2885.95	2070.74	1792.48	2917.96	2038.99
		1792.48	2917.96	1969.14	1792.48	2885.95	1937.39
		406.40	2885.95	2070.74	406.40	2917.96	2038.99
		406.40	2917.96	1969.14	406.40	2885.95	1937.39
253	ARB8	1792.48	2921.00	2042.54	1792.48	2889.00	2074.29
		1792.48	2889.00	2144.14	1792.48	2921.00	2175.89
		406.40	2921.00	2042.54	406.40	2889.00	2074.29
		406.40	2889.00	2144.14	406.40	2921.00	2175.89
254	ARB8	1792.48	2885.95	2281.05	1792.48	2917.96	2249.30
		1792.48	2917.96	2179.45	1792.48	2885.95	2147.70
		406.40	2885.95	2281.05	406.40	2917.96	2249.30
		406.40	2917.96	2179.45	406.40	2885.95	2147.70
255	ARB8	1792.48	136.53	2184.40	406.40	136.53	2336.80
		406.40	136.53	1373.13	1792.48	136.53	1373.13
		1792.48	127.00	2184.40	406.40	127.00	2336.80
		406.40	127.00	1373.13	1792.48	127.00	1373.13
256	ARB8	1792.48	127.00	1439.80	1792.48	159.00	1408.05
		1792.48	159.00	1338.20	1792.48	127.00	1306.45
		406.40	127.00	1439.80	406.40	159.00	1408.05
		406.40	159.00	1338.20	406.40	127.00	1306.45
257	ARB8	1792.48	162.05	1411.61	1792.48	130.05	1443.36
		1792.48	130.05	1513.21	1792.48	162.05	1544.96
		406.40	162.05	1411.61	406.40	130.05	1443.36
		406.40	130.05	1513.21	406.40	162.05	1544.96
258	ARB8	1792.48	127.00	1650.11	1792.48	159.00	1618.36
		1792.48	159.00	1548.51	1792.48	127.00	1516.76
		406.40	127.00	1650.11	406.40	159.00	1618.36
		406.40	159.00	1548.51	406.40	127.00	1516.76
259	ARB8	1792.48	162.05	1621.92	1792.48	130.05	1653.67
		1792.48	130.05	1723.52	1792.48	162.05	1755.27
		406.40	162.05	1621.92	406.40	130.05	1653.67
		406.40	130.05	1723.52	406.40	162.05	1755.27
260	ARB8	1792.48	127.00	1860.43	1792.48	159.00	1828.68
		1792.48	159.00	1758.83	1792.48	127.00	1727.08
		406.40	127.00	1860.43	406.40	159.00	1828.68

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		406.40	159.00	1758.83	406.40	127.00	1727.08
261	ARB8	1792.48	162.05	1832.23	1792.48	130.05	1863.98
		1792.48	130.05	1933.83	1792.48	162.05	1965.58
		406.40	162.05	1832.23	406.40	130.05	1863.98
		406.40	130.05	1933.83	406.40	162.05	1965.58
262	ARB8	1792.48	127.00	2070.74	1792.48	159.00	2038.99
		1792.48	159.00	1969.14	1792.48	127.00	1937.39
		406.40	127.00	2070.74	406.40	159.00	2038.99
		406.40	159.00	1969.14	406.40	127.00	1937.39
263	ARB8	1792.48	162.05	2042.54	1792.48	130.05	2074.29
		1792.48	130.05	2144.14	1792.48	162.05	2175.89
		406.40	162.05	2042.54	406.40	130.05	2074.29
		406.40	130.05	2144.14	406.40	162.05	2175.89
264	ARB8	1792.48	127.00	2281.05	1792.48	159.00	2249.30
		1792.48	159.00	2179.45	1792.48	127.00	2147.70
		406.40	127.00	2281.05	406.40	159.00	2249.30
		406.40	159.00	2179.45	406.40	127.00	2147.70
265	ARB8	406.40	680.72	2336.80	304.80	680.72	2336.80
		304.80	680.72	2235.20	406.40	680.72	2235.20
		406.40	228.60	2336.80	304.80	228.60	2336.80
		304.80	228.60	2235.20	406.40	228.60	2235.20
266	ARB8	406.40	2819.40	2336.80	304.80	2819.40	2336.80
		304.80	2819.40	2235.20	406.40	2819.40	2235.20
		406.40	1826.77	2336.80	304.80	1826.77	2336.80
		304.80	1826.77	2235.20	406.40	1826.77	2235.20
267	ARB8	2804.42	2895.60	1410.72	1919.48	2895.60	1410.72
		1919.48	2895.60	1300.23	2804.42	2895.60	1300.23
		2804.42	2762.25	1410.72	1919.48	2762.25	1410.72
		1919.48	2762.25	1300.23	2804.42	2762.25	1300.23
268	ARB8	2804.42	285.75	1410.72	1919.48	285.75	1410.72
		1919.48	285.75	1300.23	2804.42	285.75	1300.23
		2804.42	152.40	1410.72	1919.48	152.40	1410.72
		1919.48	152.40	1300.23	2804.42	152.40	1300.23
269	ARB8	304.80	2819.40	2336.80	304.80	228.60	2336.80
		304.80	228.60	1373.13	304.80	2819.40	1373.13
		314.33	2819.40	2336.80	314.33	228.60	2336.80
		314.33	228.60	1373.13	314.33	2819.40	1373.13
270	ARB8	350.52	2819.40	1439.80	307.85	2819.40	1408.05
		307.85	2819.40	1338.20	350.52	2819.40	1306.45
		350.52	228.60	1439.80	307.85	228.60	1408.05
		307.85	228.60	1338.20	350.52	228.60	1306.45
271	ARB8	304.80	2819.40	1411.61	336.80	2819.40	1443.36
		336.80	2819.40	1513.21	304.80	2819.40	1544.96
		304.80	228.60	1411.61	336.80	228.60	1443.36
		336.80	228.60	1513.21	304.80	228.60	1544.96
272	ARB8	350.52	2819.40	1650.11	307.85	2819.40	1618.36
		307.85	2819.40	1548.51	350.52	2819.40	1516.76

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		350.52	228.60	1650.11	307.85	228.60	1618.36
		307.85	228.60	1548.51	350.52	228.60	1516.76
273	ARB8	304.80	2819.40	1621.92	336.80	2819.40	1653.67
		336.80	2819.40	1723.52	304.80	2819.40	1755.27
		304.80	228.60	1621.92	336.80	228.60	1653.67
		336.80	228.60	1723.52	304.80	228.60	1755.27
274	ARB8	350.52	2819.40	1860.43	307.85	2819.40	1828.68
		307.85	2819.40	1758.83	350.52	2819.40	1727.08
		350.52	228.60	1860.43	307.85	228.60	1828.68
		307.85	228.60	1758.83	350.52	228.60	1727.08
275	ARB8	304.80	2819.40	1832.23	336.80	2819.40	1863.98
		336.80	2819.40	1933.83	304.80	2819.40	1965.58
		304.80	228.60	1832.23	336.80	228.60	1863.98
		336.80	228.60	1933.83	304.80	228.60	1965.58
276	ARB8	350.52	2819.40	2070.74	307.85	2819.40	2038.99
		307.85	2819.40	1969.14	350.52	2819.40	1937.39
		350.52	228.60	2070.74	307.85	228.60	2038.99
		307.85	228.60	1969.14	350.52	228.60	1937.39
277	ARB8	304.80	2819.40	2042.54	336.80	2819.40	2074.29
		336.80	2819.40	2144.14	304.80	2819.40	2175.89
		304.80	228.60	2042.54	336.80	228.60	2074.29
		336.80	228.60	2144.14	304.80	228.60	2175.89
278	ARB8	350.52	2819.40	2281.05	307.85	2819.40	2249.30
		307.85	2819.40	2179.45	350.52	2819.40	2147.70
		350.52	228.60	2281.05	307.85	228.60	2249.30
		307.85	228.60	2179.45	350.52	228.60	2147.70
279	ARB8	495.81	784.35	1701.80	495.81	479.55	1701.80
		495.81	479.55	1397.00	495.81	784.35	1397.00
		1158.24	784.35	1701.80	1158.24	479.55	1701.80
		1158.24	479.55	1397.00	1158.24	784.35	1397.00
280	ARB8	487.68	528.32	2306.32	487.68	223.52	2306.32
		487.68	223.52	1981.20	487.68	528.32	1981.20
		1300.48	528.32	2306.32	1300.48	223.52	2306.32
		1300.48	223.52	1981.20	1300.48	528.32	1981.20
281	ARB8	152.40	2235.20	1879.60	152.40	1879.60	1879.60
		152.40	1879.60	1412.24	152.40	2235.20	1412.24
		294.64	2235.20	1879.60	294.64	1879.60	1879.60
		294.64	1879.60	1412.24	294.64	2235.20	1412.24
282	ARB8	152.40	634.00	1879.60	152.40	269.00	1879.60
		152.40	269.00	1412.24	152.40	634.00	1412.24
		294.64	634.00	1879.60	294.64	269.00	1879.60
		294.64	269.00	1412.24	294.64	634.00	1412.24
283	RCC	1381.76	304.80	2143.76	0.00	0.00	-589.28
		111.76	0.00	0.00	0.00	0.00	0.00
284	RCC	1381.76	304.80	2143.76	0.00	0.00	325.12
		25.40	0.00	0.00	0.00	0.00	0.00
285	RCC	1617.47	304.80	2143.76	0.00	0.00	-589.28

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		111.76	0.00	0.00	0.00	0.00	0.00
286	RCC	1617.47	304.80	2143.76	0.00	0.00	325.12
		25.40	0.00	0.00	0.00	0.00	0.00
287	RPP	2181.70	2905.70	1052.53	1356.53	1410.41	1763.41
288	BOX	2181.70	1356.53	1505.41	0.00	-178.00	178.00
		0.00	323.00	323.00	724.00	0.00	0.00
289	RAW	2181.70	1679.53	1828.41	0.00	-85.00	-85.00
		0.00	-85.00	85.00	724.00	0.00	0.00
290	BOX	2181.70	1052.53	1505.41	0.00	-323.00	323.00
		0.00	178.00	178.00	724.00	0.00	0.00
291	RAW	2181.70	729.53	1828.41	0.00	85.00	85.00
		0.00	85.00	-85.00	724.00	0.00	0.00
292	RPP	2271.70	2495.70	1073.53	1335.53	1115.41	1410.41
293	RAW	2495.70	1335.53	1410.41	340.00	0.00	0.00
		0.00	0.00	-179.00	0.00	-262.00	0.00
294	TRC	2181.70	1204.53	1505.41	-75.00	0.00	0.00
		95.00	46.00	0.00	0.00	0.00	0.00
295	RCC	2106.70	1204.53	1505.41	-49.00	0.00	0.00
		152.00	0.00	0.00	0.00	0.00	0.00
296	RCC	2294.70	1560.53	1619.41	0.00	-45.00	45.00
		32.50	0.00	0.00	0.00	0.00	0.00
297	BOX	2294.70	1583.53	1642.41	0.00	-45.00	45.00
		0.00	-46.00	-46.00	512.00	0.00	0.00
298	RCC	2806.70	1560.53	1619.41	0.00	-45.00	45.00
		32.50	0.00	0.00	0.00	0.00	0.00
299	RCC	2082.70	1560.53	1619.41	732.50	0.00	0.00
		44.00	0.00	0.00	0.00	0.00	0.00
300	RCC	2082.70	1560.53	1619.41	0.00	0.00	90.00
		44.00	0.00	0.00	0.00	0.00	0.00
301	RCC	2082.70	1560.53	1709.41	0.00	-356.00	162.00
		44.00	0.00	0.00	0.00	0.00	0.00
302	RCC	2082.70	1204.53	1871.41	0.00	0.00	188.00
		44.00	0.00	0.00	0.00	0.00	0.00
303	RCC	2082.70	848.53	1619.41	0.00	356.00	252.00
		44.00	0.00	0.00	0.00	0.00	0.00
304	RCC	2082.70	848.53	1619.41	732.50	0.00	0.00
		44.00	0.00	0.00	0.00	0.00	0.00
305	RCC	2806.70	848.53	1619.41	0.00	45.00	45.00
		32.50	0.00	0.00	0.00	0.00	0.00
306	BOX	2294.70	825.53	1642.41	0.00	45.00	45.00
		0.00	46.00	-46.00	512.00	0.00	0.00
307	RCC	2294.70	848.53	1619.41	0.00	45.00	45.00
		32.50	0.00	0.00	0.00	0.00	0.00
308	ARBB	5717.82	2781.30	1163.83	5717.82	2781.30	1800.87
		5463.05	2781.30	1800.87	5463.05	2781.30	1163.83
		5717.82	2755.90	1163.83	5717.82	2755.90	1800.87
		5463.05	2755.90	1800.87	5463.05	2755.90	1163.83

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
309	ARB8	5717.82	2781.30	1163.83	5356.88	2781.30	1163.83
		5356.88	2781.30	739.14	5547.89	2781.30	739.14
		5717.82	2755.90	1163.83	5356.88	2755.90	1163.83
		5356.88	2755.90	739.14	5547.89	2755.90	739.14
310	ARB8	5547.89	2781.30	739.14	5356.88	2781.30	739.14
		5356.88	2781.30	598.93	5399.30	2781.30	565.15
		5547.89	2755.90	739.14	5356.88	2755.90	739.14
		5356.88	2755.90	598.93	5399.30	2755.90	565.15
311	ARB8	5717.82	279.40	1163.83	5717.82	279.40	1800.87
		5463.05	279.40	1800.87	5463.05	279.40	1163.83
		5717.82	254.00	1163.83	5717.82	254.00	1800.87
		5463.05	254.00	1800.87	5463.05	254.00	1163.83
312	ARB8	5717.82	279.40	1163.83	5356.88	279.40	1163.83
		5356.88	279.40	739.14	5547.89	279.40	739.14
		5717.82	254.00	1163.83	5356.88	254.00	1163.83
		5356.88	254.00	739.14	5547.89	254.00	739.14
313	ARB8	5547.89	279.40	739.14	5356.88	279.40	739.14
		5356.88	279.40	598.93	5399.30	279.40	565.15
		5547.89	254.00	739.14	5356.88	254.00	739.14
		5356.88	254.00	598.93	5399.30	254.00	565.15
314	ARB8	5717.82	2921.01	1163.83	5887.74	2921.01	1163.83
		6036.33	2921.01	1626.88	5717.82	2921.01	1724.41
		5717.82	127.00	1163.83	5887.74	127.00	1163.83
		6036.33	127.00	1626.88	5717.82	127.00	1724.41
315	ARB8	5891.81	2921.01	968.51	5891.81	2921.01	1163.83
		5717.82	2921.01	1163.83	5633.74	2921.01	947.42
		5891.81	127.00	968.51	5891.81	127.00	1163.83
		5717.82	127.00	1163.83	5633.74	127.00	947.42
316	ARB8	6027.70	2921.01	692.41	5900.44	2921.01	938.79
		5781.32	2921.01	904.75	5781.32	2921.01	429.26
		6027.70	127.00	692.41	5900.44	127.00	938.79
		5781.32	127.00	904.75	5781.32	127.00	429.26
317	ARB8	6027.70	2921.01	692.41	5781.32	2921.01	429.26
		5993.92	2921.01	352.55	6268.74	2921.01	355.60
		6027.70	127.00	692.41	5781.32	127.00	429.26
		5993.92	127.00	352.55	6268.74	127.00	355.60
318	ARB8	5730.52	2895.61	1163.83	5847.10	2895.61	1163.83
		5995.69	2895.61	1614.18	5730.52	2895.61	1711.71
		5730.52	152.40	1163.83	5847.10	152.40	1163.83
		5995.69	152.40	1614.18	5730.52	152.40	1711.71
319	ARB8	5851.17	2895.61	993.91	5851.17	2895.61	1151.13
		5730.52	2895.61	1151.13	5646.44	2895.61	972.82
		5851.17	152.40	993.91	5851.17	152.40	1151.13
		5730.52	152.40	1151.13	5646.44	152.40	972.82
320	ARB8	6002.30	2895.61	692.41	5875.04	2895.61	913.39
		5794.02	2895.61	879.35	5794.02	2895.61	429.26
		6002.30	152.40	692.41	5875.04	152.40	913.39

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		5794.02	152.40	879.35	5794.02	152.40	429.26
321	ARB8	6002.30	2895.61	692.41	5794.02	2895.61	429.26
		5993.92	2895.61	365.25	6243.34	2895.61	368.30
		6002.30	152.40	692.41	5794.02	152.40	429.26
		5993.92	152.40	365.25	6243.34	152.40	368.30
322	ARB8	4250.20	254.00	1316.23	5680.22	254.00	1316.23
		5680.22	254.00	1808.49	4386.34	254.00	1808.49
		4250.20	170.18	1316.23	5680.22	170.18	1316.23
		5680.22	170.18	1808.49	4386.34	170.18	1808.49
323	ARB8	4250.20	2781.31	1316.23	5680.22	2781.31	1316.23
		5680.22	2781.31	1808.49	4386.34	2781.31	1808.49
		4250.20	2865.13	1316.23	5680.22	2865.13	1316.23
		5680.22	2865.13	1808.49	4386.34	2865.13	1808.49
324	RCC	2905.77	1203.96	1248.67	142.24	0.00	0.00
		266.70	0.00	0.00	0.00	0.00	0.00
325	RCC	2905.77	1493.53	789.94	142.24	0.00	0.00
		266.70	0.00	0.00	0.00	0.00	0.00
326	ARB8	2905.77	929.64	1130.30	2905.77	1333.51	1376.69
		2905.77	1643.39	815.34	2905.77	1280.17	607.06
		3032.77	929.64	1130.30	3032.77	1333.51	1376.69
		3032.77	1643.39	815.34	3032.77	1280.17	607.06
327	ARB8	2905.77	1217.17	1099.32	2905.77	1750.57	1099.32
		2905.77	1750.57	416.56	2905.77	1217.17	416.56
		2105.67	1217.17	1099.32	2105.67	1750.57	1099.32
		2105.67	1750.57	416.56	2105.67	1217.17	416.56
328	RCC	2105.67	1494.54	789.94	-106.68	0.00	0.00
		86.36	0.00	0.00	0.00	0.00	0.00
329	RCC	2019.31	1494.54	789.94	-320.04	0.00	48.26
		40.64	0.00	0.00	0.00	0.00	0.00
330	RCC	1699.27	1494.54	838.20	-106.68	0.00	0.00
		86.36	0.00	0.00	0.00	0.00	0.00
331	RCC	1592.59	1494.54	838.20	-586.74	0.00	0.00
		139.70	0.00	0.00	0.00	0.00	0.00
332	ARB8	1549.41	1799.34	838.20	1549.41	1799.34	1073.15
		1102.36	1799.34	1073.15	1102.36	1799.34	838.20
		1549.41	1189.74	838.20	1549.41	1189.74	1073.15
		1102.36	1189.74	1073.15	1102.36	1189.74	838.20
333	ARB8	1524.01	1799.34	838.20	1050.04	1799.34	838.20
		1210.06	1799.34	496.83	1524.01	1799.34	496.83
		1524.01	1189.74	838.20	1050.04	1189.74	838.20
		1210.06	1189.74	496.83	1524.01	1189.74	496.83
334	ARB8	643.50	2041.17	840.69	643.50	2041.17	1046.51
		755.48	2041.17	1046.51	755.48	2041.17	830.89
		643.50	1913.76	840.69	643.50	1913.76	1046.51
		755.48	1913.76	1046.51	755.48	1913.76	830.89
335	ARB8	3066.41	1619.72	772.08	3168.22	1619.72	772.08
		3168.22	1472.71	772.08	3066.41	1472.71	772.08

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		3066.41	1619.72	634.86	3168.22	1619.72	634.86
		3168.22	1472.71	634.86	3066.41	1472.71	634.86
336	ARB8	2801.73	2345.01	1899.21	2893.35	2345.01	2065.83
		2954.43	2345.01	2016.83	2883.17	2345.01	1860.01
		2801.73	2070.58	1899.21	2893.35	2070.58	2065.83
		2954.43	2070.58	2016.83	2883.17	2070.58	1860.01
337	RCC	3200.41	212.09	1555.76	635.00	0.00	136.40
		60.96	0.00	0.00	0.00	0.00	0.00
338	RCC	3835.42	212.09	1692.15	457.20	0.00	98.55
		20.32	0.00	0.00	0.00	0.00	0.00
339	RCC	3200.41	2823.22	1555.76	635.00	0.00	136.40
		60.96	0.00	0.00	0.00	0.00	0.00
340	RCC	3835.42	2823.22	1692.15	457.20	0.00	98.55
		20.32	0.00	0.00	0.00	0.00	0.00
341	ARB8	1762.77	1727.21	2369.83	1762.77	873.76	2369.83
		3124.21	873.76	2369.83	3124.21	1727.21	2369.83
		1762.77	1727.21	2373.00	1762.77	873.76	2373.00
		3124.21	873.76	2373.00	3124.21	1727.21	2373.00
342	RCC	3124.21	670.56	2004.07	-685.80	0.00	81.28
		203.20	0.00	0.00	0.00	0.00	0.00
343	RCC	4595.13	267.97	461.01	0.00	-50.80	0.00
		101.60	0.00	0.00	0.00	0.00	0.00
344	RCC	1905.01	267.97	461.01	0.00	-50.80	0.00
		101.60	0.00	0.00	0.00	0.00	0.00
345	RCC	4595.13	2780.04	461.01	0.00	-50.80	0.00
		101.60	0.00	0.00	0.00	0.00	0.00
346	RCC	1905.01	2780.04	461.01	0.00	-50.80	0.00
		101.60	0.00	0.00	0.00	0.00	0.00
347	ARB8	2921.01	1727.21	2319.03	2921.01	873.76	2319.03
		3124.21	873.76	2319.03	3124.21	1727.21	2319.03
		2921.01	1727.21	1371.61	2921.01	873.76	1371.61
		3124.21	873.76	1371.61	3124.21	1727.21	1371.61
348	ARB8	2921.01	1722.13	2313.95	2921.01	878.84	2313.95
		3124.21	878.84	2313.95	3124.21	1722.13	2313.95
		2921.01	1722.13	1371.61	2921.01	878.84	1371.61
		3124.21	878.84	1371.61	3124.21	1722.13	1371.61
349	RCC	3022.61	1574.81	2293.63	0.00	0.00	-889.00
		101.60	0.00	0.00	0.00	0.00	0.00
350	RCC	3022.61	1244.60	2293.63	0.00	0.00	-355.60
		101.60	0.00	0.00	0.00	0.00	0.00
351	RCC	3073.41	1320.81	1760.23	0.00	0.00	-254.00
		76.20	0.00	0.00	0.00	0.00	0.00
352	RCC	3022.61	1003.30	1684.03	0.00	0.00	-152.40
		63.50	0.00	0.00	0.00	0.00	0.00
353	RCC	4229.12	701.04	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
354	RCC	3472.19	701.04	587.25	0.00	50.80	0.00

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		114.30	0.00	0.00	0.00	0.00	0.00
355	RCC	3103.89	701.04	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
356	RCC	2270.77	701.04	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
357	RCC	4229.12	2296.17	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
358	RCC	3472.19	2296.17	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
359	RCC	3103.89	2296.17	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
360	RCC	2270.77	2296.17	587.25	0.00	50.80	0.00
		114.30	0.00	0.00	0.00	0.00	0.00
361	ARB8	518.16	2083.95	1384.31	518.16	2083.95	1981.21
		1745.36	2083.95	1981.21	1745.36	2083.95	1384.31
		518.16	2089.29	1384.31	518.16	2089.29	1981.21
		1745.36	2089.29	1981.21	1745.36	2089.29	1384.31
362	ARB8	495.81	479.55	1717.68	495.81	784.36	1717.68
		1158.24	784.36	1717.68	1158.24	479.55	1717.68
		495.81	479.55	1727.21	495.81	784.36	1727.21
		1158.24	784.36	1727.21	1158.24	479.55	1727.21
363	ARB8	518.16	2098.81	1996.96	518.16	2748.29	1996.96
		1750.07	2748.29	1996.96	1750.07	2098.81	1996.96
		518.16	2098.81	2006.61	518.16	2748.29	2006.61
		1750.07	2748.29	2006.61	1750.07	2098.81	2006.61
364	ARB8	3289.31	332.74	1892.31	3462.03	332.74	2227.59
		3462.03	2712.73	2227.59	3289.31	2712.73	1892.31
		3275.31	332.74	1899.52	3448.03	332.74	2234.80
		3448.03	2712.73	2234.80	3275.31	2712.73	1899.52
365	ARB8	3289.31	332.74	1889.77	3289.31	2712.73	1889.77
		3289.31	2712.73	1808.49	3289.31	332.74	1808.49
		3273.56	332.74	1889.77	3273.56	2712.73	1889.77
		3273.56	2712.73	1808.49	3273.56	332.74	1808.49
366	ARB8	3289.31	284.48	1808.49	3289.31	2753.37	1808.49
		3289.31	2753.37	1320.81	3289.31	284.48	1320.81
		3273.56	284.48	1808.49	3273.56	2753.37	1808.49
		3273.56	2753.37	1320.81	3273.56	284.48	1320.81
367	ARB8	3289.31	698.50	1320.81	3289.31	2349.51	1320.81
		3289.31	2349.51	1270.01	3289.31	698.50	1270.01
		3273.56	698.50	1320.81	3273.56	2349.51	1320.81
		3273.56	2349.51	1270.01	3273.56	698.50	1270.01
368	ARB8	3289.31	698.50	1267.46	3289.31	2349.51	1267.46
		3449.33	2349.51	731.52	3449.33	698.50	731.52
		3274.22	698.50	1262.96	3274.22	2349.51	1262.96
		3434.24	2349.51	727.02	3434.24	698.50	727.02
369	ARB8	3449.33	1018.54	728.98	3449.33	2024.39	728.98
		3515.37	1943.11	579.12	3515.37	1104.90	579.12

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		3434.92	1018.54	722.63	3434.92	2024.39	722.63
		3500.96	1943.11	572.77	3500.96	1104.90	572.77
370	ARB8	317.73	127.00	1389.55	317.73	127.00	1762.00
371	ARB8	1793.87	127.00	1762.00	1793.87	127.00	1379.75
372	ARB8	317.73	121.67	1389.55	317.73	121.67	1762.00
373	ARB8	1793.87	121.67	1762.00	1793.87	121.67	1379.75
374	ARB8	1793.87	127.00	1330.75	1793.87	127.00	2261.86
375	ARB8	2923.89	127.00	2261.86	2923.89	127.00	1320.94
376	ARB8	1793.87	117.48	1330.75	1793.87	117.48	2261.86
377	ARB8	2923.89	117.48	2261.86	2923.89	117.48	1320.94
378	ARB8	2923.89	127.00	1428.76	2923.89	127.00	1918.82
379	ARB8	3728.14	127.00	1784.36	3728.14	127.00	1418.96
380	ARB8	2923.89	121.67	1428.76	2923.89	121.67	1918.82
381	ARB8	3728.14	121.67	1784.36	3728.14	121.67	1418.96
382	ARB8	1793.87	306.37	2372.37	1793.87	1701.81	2372.37
383	ARB8	2923.89	1701.81	2372.37	2923.89	316.17	2372.37
384	ARB8	1793.87	306.37	2404.12	1793.87	1701.81	2404.12
385	ARB8	2923.89	1701.81	2404.12	2923.89	316.17	2404.12
386	ARB8	511.15	835.63	1418.96	511.15	2099.98	1418.96
387	ARB8	1529.19	2099.98	1418.96	1529.19	835.63	1418.96
388	ARB8	511.15	835.63	1434.83	511.15	2099.98	1434.83
389	ARB8	1529.19	2099.98	1434.83	1529.19	835.63	1434.83
390	ARB8	317.73	2926.35	1199.05	317.73	2926.35	2016.00
391	ARB8	1793.87	2926.35	2016.00	1793.87	2926.35	1199.05
392	ARB8	317.73	2921.01	1199.05	317.73	2921.01	2016.00
393	ARB8	1793.87	2921.01	2016.00	1793.87	2921.01	1199.05
394	ARB8	1793.87	2930.54	1330.75	1793.87	2930.54	2261.86
395	ARB8	2923.89	2930.54	2261.86	2923.89	2930.54	1320.94
396	ARB8	1793.87	2921.01	1330.75	1793.87	2921.01	2261.86
397	ARB8	2923.89	2921.01	2261.86	2923.89	2921.01	1320.94
398	ARB8	2923.89	2926.35	1428.76	2923.89	2926.35	1918.82
399	ARB8	3728.14	2926.35	1784.36	3728.14	2926.35	1418.96
400	ARB8	2923.89	2921.01	1428.76	2923.89	2921.01	1918.82
401	ARB8	3728.14	2921.01	1784.36	3728.14	2921.01	1418.96
402	ARB8	1349.51	635.00	2388.12	1349.51	1701.81	2388.12
		1793.76	1701.81	2388.12	1793.76	635.00	2388.12
		1349.51	635.00	2397.77	1349.51	1701.81	2397.77
		1793.76	1701.81	2397.77	1793.76	635.00	2397.77
403	ARB8	2923.89	294.26	2404.12	2923.89	1701.81	2404.12
		3533.92	1701.81	2287.28	3533.92	294.26	2287.28
		2923.89	294.26	2398.53	2923.89	1701.81	2398.53
		3533.92	1701.81	2281.44	3533.92	294.26	2281.44
404	ARB8	2923.89	294.26	2398.53	2923.89	1701.81	2398.53
		3533.92	1701.81	2281.44	3533.92	294.26	2281.44
		2923.89	294.26	2388.63	2923.89	1701.81	2388.63
		3533.92	1701.81	2271.53	3533.92	294.26	2271.53
405	ARB8	1349.51	635.00	2372.37	1349.51	1701.81	2372.37

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		1517.15	1701.81	1447.81	1517.15	635.00	1447.81
		1381.77	635.00	2372.37	1381.77	1701.81	2372.37
		1549.41	1701.81	1447.81	1549.41	635.00	1447.81
406	RCC	3117.32	2345.01	1281.74	152.71	-117.62	-441.05
		12.70	0.00	0.00	0.00	0.00	0.00
407	RCC	3117.32	2237.20	1291.54	152.71	-49.01	-460.66
		12.70	0.00	0.00	0.00	0.00	0.00
408	RCC	3107.14	2158.79	1301.34	152.71	-9.80	-480.26
		12.70	0.00	0.00	0.00	0.00	0.00
409	RCC	3107.14	2090.18	1291.54	152.71	0.00	-490.06
		12.70	0.00	0.00	0.00	0.00	0.00
410	RCC	3107.14	2021.57	1311.14	152.71	0.00	-509.66
		12.70	0.00	0.00	0.00	0.00	0.00
411	RCC	3107.14	1923.56	1291.54	142.53	29.40	-509.66
		12.70	0.00	0.00	0.00	0.00	0.00
412	RCC	3096.96	1854.95	1311.14	152.71	49.01	-529.26
		12.70	0.00	0.00	0.00	0.00	0.00
413	ARB8	1936.40	2658.65	1811.03	1926.22	2658.65	2291.26
414	ARB8	2804.17	2658.65	2291.26	2804.17	2658.65	1811.03
415	ARB8	1936.40	2854.67	1811.03	1926.22	2854.67	2291.26
416	ARB8	2804.17	2854.67	2291.26	2804.17	2854.67	1811.03
417	ARB8	1936.40	2905.26	1811.03	1926.22	2905.26	2291.26
418	ARB8	2794.01	2905.26	2291.26	2794.01	2905.26	1811.03
419	ARB8	1936.40	2921.01	1811.03	1926.22	2921.01	2291.26
420	ARB8	2794.01	2921.01	2291.26	2794.01	2921.01	1811.03
421	ARB8	1793.87	117.48	1330.75	1793.87	117.48	2261.86
422	ARB8	2923.89	117.48	2261.86	2923.89	117.48	1320.94
423	ARB8	1793.87	112.14	1330.75	1793.87	112.14	2261.86
424	ARB8	2923.89	112.14	2261.86	2923.89	112.14	1320.94
425	ARB8	1793.87	2935.87	1330.75	1793.87	2935.87	2261.86
426	ARB8	2923.89	2935.87	2261.86	2923.89	2935.87	1320.94
427	ARB8	1793.87	2930.54	1330.75	1793.87	2930.54	2261.86
428	ARB8	2923.89	2930.54	2261.86	2923.89	2930.54	1320.94
429	ARB8	450.07	2911.36	2026.63	450.07	2911.36	2261.86
430	ARB8	1742.97	2911.36	2124.64	1732.79	2911.36	2026.63
431	ARB8	450.07	2895.61	2026.63	450.07	2895.61	2261.86
432	ARB8	1742.97	2895.61	2124.64	1732.79	2895.61	2026.63
433	ARB8	518.16	2098.81	1996.96	518.16	2748.29	1996.96
		1750.07	2748.29	1996.96	1750.07	2098.81	1996.96
		518.16	2098.81	1981.21	518.16	2748.29	1981.21
		1750.07	2748.29	1981.21	1750.07	2098.81	1981.21
434	ARB6	1760.21	2749.45	1487.26	1760.21	2749.45	2300.06
		1750.69	2749.45	2300.06	1750.69	2749.45	1487.26
		1760.21	1720.75	2300.06	1750.69	1720.75	2300.06
435	ARB6	1760.21	2749.45	1487.26	1760.21	1720.75	2300.06
		1750.69	1720.75	2300.06	1750.69	2749.45	1487.26
		1760.21	1720.75	1487.26	1750.69	1720.75	1487.26

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
436	ARB6	1750.69	2275.74	1315.81	1750.69	2275.74	1487.26
		1760.21	2275.74	1487.26	1760.21	2275.74	1315.81
		1750.69	2749.45	1487.26	1760.21	2749.45	1487.26
437	ARB6	1750.69	2275.74	1315.81	1750.69	2749.45	1487.26
		1760.21	2749.45	1487.26	1760.21	2275.74	1315.81
		1750.69	2749.45	1315.81	1760.21	2749.45	1315.81
438	ARB6	1750.69	2749.45	1487.26	1750.69	2749.45	2300.06
		1745.36	2749.45	2300.06	1745.36	2749.45	1487.26
		1750.69	1720.75	2300.06	1745.36	1720.75	2300.06
439	ARB6	1750.69	2749.45	1487.26	1750.69	1720.75	2300.06
		1745.36	1720.75	2300.06	1745.36	2749.45	1487.26
		1750.69	1720.75	1487.26	1745.36	1720.75	1487.26
440	ARB6	1745.36	2275.74	1315.81	1745.36	2275.74	1487.26
		1750.69	2275.74	1487.26	1750.69	2275.74	1315.81
		1745.36	2749.45	1487.26	1750.69	2749.45	1487.26
441	ARB6	1745.36	2275.74	1315.81	1745.36	2749.45	1487.26
		1750.69	2749.45	1487.26	1750.69	2275.74	1315.81
		1745.36	2749.45	1315.81	1750.69	2749.45	1315.81
442	ARB3	1745.36	2921.01	2260.61	1745.36	2921.01	2514.61
		1745.36	2767.03	2514.61	1745.36	2767.03	2349.51
		2906.02	2921.01	2260.61	2906.02	2921.01	2514.61
		2906.02	2767.03	2514.61	2906.02	2767.03	2349.51
443	ARB8	1778.01	112.14	2035.96	1778.01	306.37	2372.37
		1778.01	306.37	2514.61	1778.01	112.14	2514.61
		2923.89	112.14	2035.96	2923.89	306.37	2372.37
		2923.89	306.37	2514.61	2923.89	112.14	2514.61
444	ARB8	1745.36	2921.01	2260.61	2906.02	2921.01	2260.61
		2906.02	2767.03	2349.51	1745.36	2767.03	2349.51
		1745.36	2940.06	2293.60	2906.02	2940.06	2293.60
		2906.02	2786.08	2382.50	1745.36	2786.08	2382.50
445	ARB8	1793.87	112.14	2035.96	1793.87	306.37	2372.37
		2923.89	306.37	2372.37	2923.89	112.14	2035.96
		1793.87	103.89	2040.73	1793.87	298.12	2377.13
		2923.89	298.12	2377.13	2923.89	103.89	2040.73
446	ARB8	1793.87	103.89	2040.73	1793.87	298.12	2377.13
		2923.89	298.12	2377.13	2923.89	103.89	2040.73
		1793.87	99.27	2043.39	1793.87	293.50	2379.80
		2923.89	293.50	2379.80	2923.89	99.27	2043.39
447	ARB8	3728.14	121.67	1784.36	3728.14	273.05	1784.36
		2923.89	273.05	1918.82	2923.89	121.67	1918.82
		3732.32	121.67	1809.41	3732.32	273.05	1809.41
		2928.08	273.05	1943.87	2928.08	121.67	1943.87
448	ARB8	3728.14	2762.25	1784.36	3728.14	2921.01	1784.36
		2923.89	2921.01	1918.82	2923.89	2762.25	1918.82
		3732.32	2762.25	1809.41	3732.32	2921.01	1809.41
		2928.08	2921.01	1943.87	2928.08	2762.25	1943.87
449	ARB8	294.64	2743.21	1209.55	294.64	2743.21	1978.16

TABLE B-1 UP-ARMORED M9 (ACE) VEHICLE SOLID TABLE (CONTINUED)

SOLID NUM	TYPE	SOLID PARAMETERS					
		294.64	2101.86	1978.16	294.64	2101.86	1209.55
		289.31	2743.21	1209.55	289.31	2743.21	1978.16
		289.31	2101.86	1978.16	289.31	2101.86	1209.55
450	ARBB	495.81	479.55	1701.81	495.81	784.36	1701.81
		1158.24	784.36	1701.81	1158.24	479.55	1701.81
		495.81	479.55	1717.68	495.81	784.36	1717.68
		1158.24	784.36	1717.68	1158.24	479.55	1717.68
451	ARBB	518.16	2098.81	1384.31	518.16	2098.81	1981.21
		1745.36	2098.81	1981.21	1745.36	2098.81	1384.31
		518.16	2089.29	1384.31	518.16	2089.29	1981.21
		1745.36	2089.29	1981.21	1745.36	2089.29	1384.31
452	ARBB	511.15	835.63	1434.83	511.15	2099.98	1434.83
		1529.19	2099.98	1434.83	1529.19	835.63	1434.83
		511.15	835.63	1444.36	511.15	2099.98	1444.36
		1529.19	2099.98	1444.36	1529.19	835.63	1444.36
453	ARBB	1349.51	635.00	2388.12	1349.51	1701.81	2388.12
		1793.76	1701.81	2388.12	1793.76	635.00	2388.12
		1349.51	635.00	2372.37	1349.51	1701.81	2372.37
		1793.76	1701.81	2372.37	1793.76	635.00	2372.37
454	ARBB	2923.89	284.74	2040.73	2923.89	284.74	2404.12
		3533.92	284.74	2287.28	3533.92	284.74	1980.70
		2923.89	279.40	2040.73	2923.89	279.40	2404.12
		3533.92	279.40	2287.28	3533.92	279.40	1980.70
455	ARBB	2923.89	284.74	2040.73	2923.89	284.74	2404.12
		3533.92	284.74	2287.28	3533.92	284.74	1980.70
		2923.89	294.26	2040.73	2923.89	294.26	2404.12
		3533.92	294.26	2287.28	3533.92	294.26	1980.70

TABLE B-2 UP-ARMORED M9 (ACE) VEHICLE REGION TABLE

REG NUM	REGION COMBINATION DATA								REMARKS
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0ARMOR
4	4	0	0	0	0	0	0	0	0ARMOR
5	5	-361	-382	0	0	0	0	0	0ARMOR
6	6	0	0	0	0	0	0	0	0PLATE
7	7	0	0	0	0	0	0	0	0ARMOR
8	8	0	0	0	0	0	0	0	0PLATE
9	9	0	0	0	0	0	0	0	0ARMOR
10	10	0	0	0	0	0	0	0	0PLATE
11	11	0	0	0	0	0	0	0	0ARMOR
12	12	0	0	0	0	0	0	0	0ARMOR
13	13	0	0	0	0	0	0	0	0ARMOR
14	14	0	0	0	0	0	0	0	0ARMOR
15	15	0	0	0	0	0	0	0	0PLATE
16	16	0	0	0	0	0	0	0	0ARMOR
17	17	0	0	0	0	0	0	0	0PLATE
18	18	0	0	0	0	0	0	0	0ARMOR
19	19	0	0	0	0	0	0	0	0PLATE
20	20	0	0	0	0	0	0	0	0ARMOR
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	25	0	0	0	0	0	0	0	0ARMOR
26	26	0	0	0	0	0	0	0	0ARMOR
27	27	0	0	0	0	0	0	0	0ARMOR
28	28	0	0	0	0	0	0	0	0ARMOR
29	29	0	0	0	0	0	0	0	0ARMOR
30	30	0	0	0	0	0	0	0	0ARMOR
31	31	0	0	0	0	0	0	0	0ARMOR
32	32	0	0	0	0	0	0	0	0ARMOR
33	33	0	0	0	0	0	0	0	0ARMOR
34	34	0	0	0	0	0	0	0	0ARMOR
35	35	0	0	0	0	0	0	0	0ARMOR
36	36	0	0	0	0	0	0	0	0ARMOR
37	37	-40	-215	0	0	0	0	0	0ARMOR
38	39	-40	-41	-42	-215	0	0	0	0ARMOR
39	39	-42	-215	-219	0	0	0	0	0ARMOR
40	0	0	0	0	0	0	0	0	0ARMOR
41	0	0	0	0	0	0	0	0	0ARMOR
42	0	0	0	0	0	0	0	0	0ARMOR
43	43	-46	-215	0	0	0	0	0	0ARMOR
44	44	-46	-47	-48	-215	0	0	0	0ARMOR
45	45	-49	0	0	0	0	0	0	0ARMOR
46	0	0	0	0	0	0	0	0	0ARMOR
47	0	0	0	0	0	0	0	0	0ARMOR

TABLE B-2 UP-ARMORED M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
48	0	0	0	0	0	0	0	0ARMOR
49	49	-27	-28	-29	-226	0	0	0FENDER
50	50	-33	-34	-35	-229	0	0	0FENDER
51	51	-41	-47	0	0	0	0	0FLOOR
52	52	-9	-233	0	0	0	0	0LOW L S
53	53	-18	0	0	0	0	0	0LOW R S
54	54	0	0	0	0	0	0	0DRIVER
55	55	-61	-70	-71	-72	-73	0	0DRIVER
56	56	-59	-61	0	0	0	0	0DRIVER
57	57	-58	0	0	0	0	0	0DRIVER
58	58	0	0	0	0	0	0	0DRIVER
59	59	-60	0	0	0	0	0	0DRIVER
60	59	60	0	0	0	0	0	0DRIVER
61	61	-70	-71	0	0	0	0	0DRIVER
62	62	-64	0	0	0	0	0	0DRIVER
63	63	-65	0	0	0	0	0	0DRIVER
64	64	0	0	0	0	0	0	0DRIVER
65	65	0	0	0	0	0	0	0DRIVER
66	66	-62	-64	0	0	0	0	0DRIVER
67	67	-63	-65	0	0	0	0	0DRIVER
68	68	0	0	0	0	0	0	0DRIVER
69	69	0	0	0	0	0	0	0DRIVER
70	70	0	0	0	0	0	0	0DRIVER
71	71	0	0	0	0	0	0	0DRIVER
72	72	-61	-70	-74	0	0	0	0DRIVER
73	73	-61	-71	-75	0	0	0	0DRIVER
74	74	0	0	0	0	0	0	0DRIVER
75	75	0	0	0	0	0	0	0DRIVER
76	76	-72	-74	-78	0	0	0	0DRIVER
77	77	-73	-75	-79	0	0	0	0DRIVER
78	78	0	0	0	0	0	0	0DRIVER
79	79	0	0	0	0	0	0	0DRIVER
80	80	0	0	0	0	0	0	0ARMOR
81	81	0	0	0	0	0	0	0ARMOR
82	82	-81	-80	0	0	0	0	0ARMOR
83	83	-81	0	0	0	0	0	0ARMOR
84	84	0	0	0	0	0	0	0ARMOR
85	85	-80	-81	0	0	0	0	0ARMOR
86	86	-80	-81	-82	-85	-389	0	0ARMOR
87	87	-80	-85	-89	-389	0	0	0ARMOR
88	88	-89	-389	0	0	0	0	0ARMOR
89	89	0	0	0	0	0	0	0ARMOR
90	90	-99	0	0	0	0	0	0ARMOR
91	91	0	0	0	0	0	0	0ARMOR
92	92	0	0	0	0	0	0	0ARMOR
93	93	-99	-99	0	0	0	0	0ARMOR
94	94	-89	0	0	0	0	0	0ARMOR

TABLE B-2 UP-ARMORED M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
95	95	-84	-83	0	0	0	0	0	ARMOR
96	96	-83	-94	0	0	0	0	0	ARMOR
97	97	-93	-94	0	0	0	0	0	ARMOR
98	98	-89	-90	-83	-84	0	0	0	ARMOR
99	99	-83	-84	-90	-347	0	0	0	ARMOR
100	100	-81	-83	-84	-80	-39	0	0	ARMOR
101	101	-81	-83	-84	-82	0	0	0	ARMOR
102	102	0	0	0	0	0	0	0	HATCH
103	0	0	0	0	0	0	0	0	NULL
104	103	-104	0	0	0	0	0	0	CUPOLA
105	105	-104	0	0	0	0	0	0	CUPOLA
106	0	0	0	0	0	0	0	0	NULL
107	106	-107	0	0	0	0	0	0	CUPOLA
108	108	-109	-104	-405	-240	-226	0	0	CUPOLA
109	0	0	0	0	0	0	0	0	NULL
110	110	0	0	0	0	0	0	0	ARMOR
111	111	0	0	0	0	0	0	0	ARMOR
112	112	-12	-13	-14	0	0	0	0	ARMOR
113	113	-114	0	0	0	0	0	0	WHEELS
114	114	-115	0	0	0	0	0	0	WHEELS
115	0	0	0	0	0	0	0	0	WHEELS
116	116	-117	0	0	0	0	0	0	WHEELS
117	0	0	0	0	0	0	0	0	WHEELS
118	118	-116	0	0	0	0	0	0	WHEELS
119	119	-120	0	0	0	0	0	0	WHEELS
120	120	-121	0	0	0	0	0	0	WHEELS
121	0	0	0	0	0	0	0	0	WHEELS
122	122	-123	0	0	0	0	0	0	WHEELS
123	0	0	0	0	0	0	0	0	WHEELS
124	124	-122	0	0	0	0	0	0	WHEELS
125	125	-126	0	0	0	0	0	0	WHEELS
126	126	-127	0	0	0	0	0	0	WHEELS
127	0	0	0	0	0	0	0	0	WHEELS
128	128	-129	0	0	0	0	0	0	WHEELS
129	129	-130	0	0	0	0	0	0	WHEELS
130	0	0	0	0	0	0	0	0	WHEELS
131	131	-132	0	0	0	0	0	0	WHEELS
132	132	-133	0	0	0	0	0	0	WHEELS
133	0	0	0	0	0	0	0	0	WHEELS
134	134	-135	0	0	0	0	0	0	WHEELS
135	135	-136	0	0	0	0	0	0	WHEELS
136	0	0	0	0	0	0	0	0	WHEELS
137	137	-138	0	0	0	0	0	0	WHEELS
138	138	-139	0	0	0	0	0	0	WHEELS
139	0	0	0	0	0	0	0	0	WHEELS
140	140	-141	0	0	0	0	0	0	WHEELS
141	141	-142	0	0	0	0	0	0	WHEELS

TABLE B-2 UP-ARMORED M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA								REMARKS
142	0	0	0	0	0	0	0	0	OWHEELS
143	143	-144	0	0	0	0	0	0	OWHEELS
144	144	-145	0	0	0	0	0	0	OWHEELS
145	0	0	0	0	0	0	0	0	OWHEELS
146	146	-147	0	0	0	0	0	0	OWHEELS
147	147	-148	0	0	0	0	0	0	OWHEELS
148	0	0	0	0	0	0	0	0	OWHEELS
149	149	-150	0	0	0	0	0	0	OWHEELS
150	150	-151	0	0	0	0	0	0	OWHEELS
151	0	0	0	0	0	0	0	0	OWHEELS
152	152	-153	0	0	0	0	0	0	OWHEELS
153	153	-154	0	0	0	0	0	0	OWHEELS
154	0	0	0	0	0	0	0	0	OWHEELS
155	155	-156	0	0	0	0	0	0	OWHEELS
156	156	-157	0	0	0	0	0	0	OWHEELS
157	0	0	0	0	0	0	0	0	OWHEELS
158	158	-159	0	0	0	0	0	0	OWHEELS
159	159	-160	0	0	0	0	0	0	OWHEELS
160	0	0	0	0	0	0	0	0	OWHEELS
161	161	-162	0	0	0	0	0	0	OWHEELS
162	162	-163	0	0	0	0	0	0	OWHEELS
163	0	0	0	0	0	0	0	0	OWHEELS
164	164	-165	0	0	0	0	0	0	OWHEELS
165	165	-166	0	0	0	0	0	0	OWHEELS
166	0	0	0	0	0	0	0	0	OWHEELS
167	167	-168	0	0	0	0	0	0	OWHEELS
168	168	-169	0	0	0	0	0	0	OWHEELS
169	0	0	0	0	0	0	0	0	OWHEELS
170	170	-171	0	0	0	0	0	0	OWHEELS
171	171	-172	0	0	0	0	0	0	OWHEELS
172	0	0	0	0	0	0	0	0	OWHEELS
173	173	0	0	0	0	0	0	0	OEJECTER
174	174	0	0	0	0	0	0	0	OEJECTOR
175	175	0	0	0	0	0	0	0	OEJECTOR
176	176	0	0	0	0	0	0	0	OEJECT
177	177	0	0	0	0	0	0	0	OEJECT
178	178	0	0	0	0	0	0	0	OEJECT
179	179	-180	0	0	0	0	0	0	OFLOOR
180	0	0	0	0	0	0	0	0	ONULL
181	181	-180	-184	-179	-178	-327	-325	0	OFLOOR
182	182	-179	-177	-368	0	0	0	0	OFLOOR
183	183	-179	-177	-368	0	0	0	0	OFLOOR
184	0	0	0	0	0	0	0	0	ONULL
185	185	-186	0	0	0	0	0	0	OTRACK
186	0	0	0	0	0	0	0	0	ONULL
187	187	-188	-185	0	0	0	0	0	OTRACK
188	0	0	0	0	0	0	0	0	ONULL

TABLE B-2 UP-ARMORED M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
189	189	-190	-191	0	0	0	0	0	OTRACK
190	0	0	0	0	0	0	0	0	ONULL
191	191	-192	-129	-125	0	0	0	0	OTRACK
192	0	0	0	0	0	0	0	0	ONULL
193	193	-194	0	0	0	0	0	0	OTRACK
194	0	0	0	0	0	0	0	0	ONULL
195	195	-196	-193	0	0	0	0	0	OTRACK
196	0	0	0	0	0	0	0	0	ONULL
197	197	-198	-199	0	0	0	0	0	OTRACK
198	0	0	0	0	0	0	0	0	ONULL
199	199	-200	-131	-134	0	0	0	0	OTRACK
200	0	0	0	0	0	0	0	0	ONULL
201	201	0	0	0	0	0	0	0	OSIDE
202	202	0	0	0	0	0	0	0	OSIDE
203	203	204	-111	0	0	0	0	0	OSIDE
204	0	0	0	0	0	0	0	0	ONULL
205	205	-209	-210	-211	0	0	0	0	OSIDE
206	206	207	-112	0	0	0	0	0	OSIDE
207	0	0	0	0	0	0	0	0	ONULL
208	208	-212	-213	-214	0	0	0	0	OSIDE
209	209	0	0	0	0	0	0	0	OSUPPORT
210	210	0	0	0	0	0	0	0	OMOUNT
211	211	-210	0	0	0	0	0	0	OMOUNT
212	212	-202	0	0	0	0	0	0	OSUPPORT
213	213	0	0	0	0	0	0	0	OMOUNT
214	214	-213	0	0	0	0	0	0	OMOUNT
215	215	0	0	0	0	0	0	0	OAXLE
216	216	-38	-39	-44	-45	0	0	0	OBEAM
217	217	0	0	0	0	0	0	0	OWINCH
218	0	0	0	0	0	0	0	0	ODUMMY
219	219	-45	0	0	0	0	0	0	0
220	220	-219	-219	0	0	0	0	0	0
221	221	0	0	0	0	0	0	0	OBUMPER
222	222	-219	0	0	0	0	0	0	OREAR SI
223	223	0	0	0	0	0	0	0	OREAR SI
224	224	0	0	0	0	0	0	0	ORE PLT
225	225	-233	0	0	0	0	0	0	ODECK
226	226	-403	0	0	0	0	0	0	OPOST
227	227	0	0	0	0	0	0	0	OPOST
228	228	-233	-92	-169	-37	0	0	0	OSUPPORT
229	229	-330	-404	-330	0	0	0	0	OPOST
230	230	0	0	0	0	0	0	0	OPOST
231	231	-197	-43	0	0	0	0	0	OSUPPORT
232	232	-234	-235	0	0	0	0	0	OTANK
233	233	-234	-235	0	0	0	0	0	OTANK
234	234	0	0	0	0	0	0	0	OFUEL
235	235	0	0	0	0	0	0	0	OFUEL

TABLE B-2 UP-ARMORED M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
236	236	0	0	0	0	0	0	OSUPRT
237	237	0	0	0	0	0	0	OSUPRT
238	238	0	0	0	0	0	0	OPOST
239	239	0	0	0	0	0	0	OPOST
240	240	-403	0	0	0	0	0	OPOST
241	241	-202	-404	0	0	0	0	OPOST
242	242	0	0	0	0	0	0	OPOST
243	243	-285	0	0	0	0	0	OPOST
244	244	0	0	0	0	0	0	ORADIATO
245	245	-242	0	0	0	0	0	OSIDE
246	0	0	0	0	0	0	0	ONUL1
247	0	0	0	0	0	0	0	ONUL2
248	0	0	0	0	0	0	0	ONUL1
249	0	0	0	0	0	0	0	ONUL2
250	0	0	0	0	0	0	0	ONUL1
251	0	0	0	0	0	0	0	ONUL2
252	0	0	0	0	0	0	0	ONUL1
253	0	0	0	0	0	0	0	ONUL2
254	0	0	0	0	0	0	0	ONUL1
255	255	-243	0	0	0	0	0	OSIDE
256	0	0	0	0	0	0	0	ONUL1
257	0	0	0	0	0	0	0	ONUL2
258	0	0	0	0	0	0	0	ONUL1
259	0	0	0	0	0	0	0	ONUL2
260	0	0	0	0	0	0	0	ONUL1
261	0	0	0	0	0	0	0	ONUL2
262	0	0	0	0	0	0	0	ONUL1
263	0	0	0	0	0	0	0	ONUL2
264	0	0	0	0	0	0	0	ONUL1
265	265	0	0	0	0	0	0	OPOST
266	266	0	0	0	0	0	0	OPOST
267	267	0	0	0	0	0	0	OSUPPRT
268	268	-202	0	0	0	0	0	OSUPPRT
269	269	-266	-265	-238	-239	0	0	OREAR
270	0	0	0	0	0	0	0	ONUL1
271	0	0	0	0	0	0	0	ONUL2
272	0	0	0	0	0	0	0	ONUL1
273	0	0	0	0	0	0	0	ONUL2
274	0	0	0	0	0	0	0	ONUL1
275	0	0	0	0	0	0	0	ONUL2
276	0	0	0	0	0	0	0	ONUL1
277	0	0	0	0	0	0	0	ONUL2
278	0	0	0	0	0	0	0	ONUL1
279	279	0	0	0	0	0	0	OTOOL BX
280	280	0	0	0	0	0	0	OTOOL BX
281	281	0	0	0	0	0	0	OCAN
282	282	0	0	0	0	0	0	OCAN

TABLE B-2 UP-ARMORED M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
283	283	-289	0	0	0	0	0	0	OMUFF
284	284	0	0	0	0	0	0	0	OPIPE
285	285	0	0	0	0	0	0	0	OMUFF
286	286	0	0	0	0	0	0	0	OPIPE
287	287	0	0	0	0	0	0	0	0
288	288	-287	-289	0	0	0	0	0	0
289	0	0	0	0	0	0	0	0	0
290	290	-287	-291	0	0	0	0	0	0
291	0	0	0	0	0	0	0	0	0
292	292	0	0	0	0	0	0	0	0
293	293	0	0	0	0	0	0	0	0
294	294	0	0	0	0	0	0	0	0
295	295	0	0	0	0	0	0	0	0
296	296	-297	-299	-288	0	0	0	0	0
297	297	-299	-288	0	0	0	0	0	0
298	298	-297	-299	-288	0	0	0	0	0
299	299	-298	-297	-296	-300	0	0	0	0
300	300	-299	-301	0	0	0	0	0	0
301	301	-300	-302	-303	0	0	0	0	0
302	302	-301	-303	0	0	0	0	0	0
303	303	-302	-301	-304	0	0	0	0	0
304	304	-303	-305	-306	-307	0	0	0	0
305	305	-304	-306	-290	0	0	0	0	0
306	306	-304	-290	0	0	0	0	0	0
307	307	-306	-304	-290	0	0	0	0	0
308	308	-203	0	0	0	0	0	0	0308
309	309	-203	0	0	0	0	0	0	0309
310	310	-203	-111	0	0	0	0	0	0310
311	311	-206	0	0	0	0	0	0	0308R
312	312	-206	0	0	0	0	0	0	0309R
313	313	-206	-112	0	0	0	0	0	0310R
314	314	-319	0	0	0	0	0	0	0311
315	315	-319	0	0	0	0	0	0	0312
316	316	-320	0	0	0	0	0	0	0313
317	317	-321	0	0	0	0	0	0	0314
318	0	0	0	0	0	0	0	0	ONULL
319	0	0	0	0	0	0	0	0	ONULL
320	0	0	0	0	0	0	0	0	ONULL
321	0	0	0	0	0	0	0	0	ONULL
322	322	0	0	0	0	0	0	0	OAPRON
323	323	0	0	0	0	0	0	0	OAPRON
324	324	-351	0	0	0	0	0	0	OTRANS
325	325	0	0	0	0	0	0	0	OTRANS
326	326	-324	-325	0	0	0	0	0	OTRANS
327	327	0	0	0	0	0	0	0	OCLARK
328	328	-329	0	0	0	0	0	0	OJOINT
329	329	0	0	0	0	0	0	0	OSHAFT

TABLE B-2 UP-ARMORED M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
330	330	-329	0	0	0	0	0	0	OJOINT
331	331	-215	0	0	0	0	0	0	ODIFF
332	332	-331	-215	0	0	0	0	0	ODIFF
333	333	-331	-215	0	0	0	0	0	ODIFF
334	334	0	0	0	0	0	0	0	OFILT
335	335	0	0	0	0	0	0	0	OPUMP
336	336	0	0	0	0	0	0	0	OPANEL
337	337	0	0	0	0	0	0	0	OCYC
338	338	0	0	0	0	0	0	0	OROD
339	339	0	0	0	0	0	0	0	OCYC
340	340	0	0	0	0	0	0	0	OROD
341	0	0	0	0	0	0	0	0	ONULL
342	342	-290	0	0	0	0	0	0	OFILT
343	343	0	0	0	0	0	0	0	OHUB
344	344	0	0	0	0	0	0	0	OHUB
345	345	0	0	0	0	0	0	0	OHUB
346	346	0	0	0	0	0	0	0	OHUB
347	347	-348	-81	-83	-98	-100	-101	0	OFRAME
348	0	0	0	0	0	0	0	0	ONULL
349	349	0	0	0	0	0	0	0	OACCUM
350	350	0	0	0	0	0	0	0	OTANK
351	351	0	0	0	0	0	0	0	OFILT
352	352	0	0	0	0	0	0	0	OFILT
353	353	0	0	0	0	0	0	0	OACTU
354	354	0	0	0	0	0	0	0	OACTU
355	355	0	0	0	0	0	0	0	OACTU
356	356	0	0	0	0	0	0	0	OACTU
357	357	0	0	0	0	0	0	0	OACTU
358	358	0	0	0	0	0	0	0	OACTU
359	359	0	0	0	0	0	0	0	OACTU
360	360	0	0	0	0	0	0	0	OACTU
361	361	0	0	0	0	0	0	0	OFUL AR
362	362	0	0	0	0	0	0	0	OARMOR
363	363	0	0	0	0	0	0	0	OARMOR
364	364	0	0	0	0	0	0	0	OARMOR
365	365	0	0	0	0	0	0	0	OARMOR
366	366	0	0	0	0	0	0	0	OARMOR
367	367	0	0	0	0	0	0	0	OARMOR
368	368	0	0	0	0	0	0	0	OARMOR
369	369	-181	0	0	0	0	0	0	OARMOR
370	370	0	0	0	0	0	0	0	OPLT 3
371	371	-404	0	0	0	0	0	0	OPLT 1
372	372	0	0	0	0	0	0	0	OPLT 2
373	373	0	0	0	0	0	0	0	OGRILL
374	374	-361	-412	0	0	0	0	0	ODECK
375	375	0	0	0	0	0	0	0	OPLT 6
376	376	0	0	0	0	0	0	0	OPLT 4

TABLE B-2 UP-ARMORED M9 (ACE) VEHICLE REGION TABLE (CONTINUED)

REG NUM	REGION COMBINATION DATA							REMARKS
377	377	0	0	0	0	0	0	0	OPLT 5
378	378	0	0	0	0	0	0	0	OARMOR
379	379	0	0	0	0	0	0	0	OARMOR
380	380	0	0	0	0	0	0	0	OARMOR
381	381	-341	0	0	0	0	0	0	OGRILL
382	382	0	0	0	0	0	0	0	OLINE
383	383	0	0	0	0	0	0	0	OLINE
384	384	0	0	0	0	0	0	0	OLINE
385	385	0	0	0	0	0	0	0	OLINE
386	386	0	0	0	0	0	0	0	OLINE
387	387	0	0	0	0	0	0	0	OLINE
388	388	0	0	0	0	0	0	0	OLINE
389	0	0	0	0	0	0	0	0	ONULL
390	390	-405	0	0	0	0	0	0	OKEV
391	391	-404	0	0	0	0	0	0	OSTEEL
392	392	0	0	0	0	0	0	0	OSTEEL
393	393	-242	0	0	0	0	0	0	OKEL
394	394	0	0	0	0	0	0	0	OKEV
395	395	-83	-98	0	0	0	0	0	OALUM
396	396	-93	0	0	0	0	0	0	OALUM
397	397	-228	0	0	0	0	0	0	OALUM
398	398	-229	0	0	0	0	0	0	OALUM
399	399	-83	-394	-232	-363	0	0	0	OSTEEL
400	400	-93	-232	-394	0	0	0	0	OSTEEL
401	401	-232	-225	-233	0	0	0	0	OSTEEL
402	402	-232	-229	-233	0	0	0	0	OSTEEL
403	0	0	0	0	0	0	0	0	ONUL
404	0	0	0	0	0	0	0	0	ONULL
405	405	0	0	0	0	0	0	0	OALUM
406	406	0	0	0	0	0	0	0	OALUM
407	407	0	0	0	0	0	0	0	OSTEEL
408	408	0	0	0	0	0	0	0	OALUM
409	409	0	0	0	0	0	0	0	OALUM
410	410	-291	0	0	0	0	0	0	OSTEEL
411	411	0	0	0	0	0	0	0	OKEVLAR
412	412	0	0	0	0	0	0	0	OALUM
413	413	-412	-361	0	0	0	0	0	OALUM
414	414	0	0	0	0	0	0	0	OKEV
415	415	-202	0	0	0	0	0	0	OSTEEL
416	416	0	0	0	0	0	0	0	OALUM

TABLE B-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
1	0	0	ENCLOSING BOX	0	0
3	1131	0	PLATE (HULL) 1	2	100
4	1132	0	PLATE (HULL) 2	2	100
5	1133	0	PLATE (HULL) 3	2	100
6	1134	0	PLATE (HULL) 4	2	100
7	1135	0	PLATE (HULL) 5	2	100
8	1136	0	PLATE (HULL) 6	2	100
9	1137	0	PLATE (HULL) 7	2	100
10	1138	0	PLATE (HULL) 8	2	100
11	1139	0	PLATE (HULL) 9	2	100
12	1140	0	PLATE (HULL) 10	2	100
13	1141	0	PLATE (HULL) 11	2	100
14	1142	0	PLATE (HULL) 12	2	100
15	1143	0	PLATE (HULL) 13	2	100
16	1144	0	PLATE (HULL) 14	2	100
17	1145	0	PLATE (HULL) 15	2	100
18	1146	0	PLATE (HULL) 16	2	100
19	1147	0	PLATE (HULL) 17	2	100
20	1148	0	PLATE (HULL) 18	2	100
21	0	0		0	0
22	0	0		0	0
23	0	0		0	0
24	0	0		0	0
25	1151	0	PLATE FENDER 1	2	100
26	1152	0	PLATE FENDER 2	2	100
27	1153	0	PLATE FENDER 3	2	100
28	1154	0	PLATE FENDER 4	2	100
29	1155	0	PLATE FENDER 5	2	100
30	1156	0	PLATE FENDER 6	2	100
31	1157	0	PLATE FENDER 7	2	80
32	1158	0	PLATE FENDER 10	2	100
33	1159	0	PLATE FENDER 9	2	100
34	1150	0	PLATE FENDER 10	2	100
35	1151	0	PLATE FENDER 11	2	100
36	1152	0	PLATE FENDER 12	2	100
37	1161	0	L DRIVE PLATE 1	2	100
38	1162	0	L DRIVE PLATE 2	2	100
39	1163	0	L DRIVE PLATE 3	2	100
40	1164	0	L DRIVE PLATE 4	2	100
41	1165	0	L DRIVE PLATE 5	2	100
42	1166	0	L DRIVE PLATE 6	2	100
43	1161	0	R. DRIVE HULL 1	2	100
44	1162	0	R. DRIVE HULL 2	2	100
45	1163	0	R. DRIVE HULL 3	2	100
46	1164	0	R. DRIVE HULL 4	2	100
47	1165	0	R. DRIVE HULL 5	2	100

TABLE B-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
48	1166	0	R. DRIVE HULL 6	2	100
49	1187	0	FENDER TOP	2	100
50	1187	0	FENDER TOP	2	100
51	1189	0	LOWER FLOOR	2	100
52	1190	0	LOWER LEFT SIDE	2	100
53	1191	0	LOWER RIGHT SIDE	2	100
54	1124	0	SEAT, DRIVRS MOUNT	2	25
55	1124	0	SEAT, DRIVRS BOTTOM	2	10
56	1124	0	SEAT, DRIVRS BACK	2	10
57	1810	0	DRIVERS HEAD	8	100
58	1811	0	DRIVERS NECK	8	100
59	1812	0	DRIVERS UPPER TORSO	8	100
60	1813	0	DRIVERS LOWER TORSO	8	100
61	1814	0	DRIVERS HIPS	8	100
62	1815	0	DRIVERS LEFT UPPER ARM	8	100
63	1815	0	DRIVERS RIGHT UPPER ARM	8	100
64	1816	0	DRIVERS LEFT ELBOW	8	100
65	1816	0	DRIVERS RIGHT ELBOW	8	100
66	1815	0	DRIVERS LEFT LOWER ARM	8	100
67	1815	0	DRIVERS RIGHT LOWER ARM	8	100
68	1816	0	DRIVERS LEFT HAND	8	100
69	1816	0	DRIVERS RIGHT HAND	8	100
70	1817	0	DRIVERS LEFT HIP JOINT	8	100
71	1817	0	DRIVERS RIGHT HIP JOINT	8	100
72	1818	0	DRIVERS LEFT UPPER LEG	8	100
73	1818	0	DRIVERS RIGHT UPPER LEG	8	100
74	1817	0	DRIVERS LEFT KNEE	8	100
75	1817	0	DRIVERS RIGHT KNEE	8	100
76	1818	0	DRIVERS LEFT LOWER LEG	8	100
77	1818	0	DRIVERS RIGHT LOWER LEG	8	100
78	1817	0	DRIVERS LEFT ANKLE	8	100
79	1817	0	DRIVERS RIGHT ANKLE	8	100
80	1100	0	DRIVER COMPARTMENT ARMOR	2	100
81	1101	0	DRIVER COMPARTMENT ARMOR	2	100
82	1103	0	DRIVER COMPARTMENT ARMOR	2	100
83	1104	0	DRIVER COMPARTMENT ARMOR	2	100
84	1105	0	DRIVER COMPARTMENT ARMOR	2	100
85	1106	0	DRIVER COMPARTMENT ARMOR	2	100
86	1107	0	DRIVER OUTBOARD ARMOR	2	100
87	1108	0	DRIVER OUTBOARD ARMOR	2	100
88	1109	0	DRIVER OUTBOARD ARMOR	2	100
89	8103	0	DRIVER REAR KEVLAR ARMOR	14	45
90	8103	0	DRIVER REAR KEVLAR ARMOR	14	35
91	8103	0	DRIVER REAR KEVLAR ARMOR	14	35
92	8103	0	DRIVER REAR KEVLAR ARMOR	14	35
93	1114	0	DRIVER COMPARTMENT ARMOR	2	100

TABLE B-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
94	1115	0	DRIVER COMPARTMENT ARMOR	2	100
95	1116	0	DRIVER COMPARTMENT ARMOR	2	100
96	1117	0	DRIVER COMPARTMENT ARMOR	2	100
97	1117	0	DRIVER COMPARTMENT ARMOR	2	100
98	1122	0	DRIVER INBOARD ARMOR	2	40
99	1122	0	DRIVER INBOARD ARMOR	2	40
100	1122	0	DRIVER INBOARD ARMOR	2	40
101	1122	0	DRIVER INBOARD ARMOR	2	40
102	1123	0	HATCH TOP	2	100
103	0	0	NULL REGION	0	0
104	1123	0	DRIVERS CUPOLA	2	100
105	1123	0	DRIVERS CUPOLA	2	100
106	0	0	NULL REGION	0	0
107	1123	0	DRIVERS CUPOLA	2	100
108	1123	0	DRIVERS CUPOLA	2	100
109	0	0	NULL REGION	0	0
110	1001	0	PLATE NUMBER 1	2	100
111	1002	0	PLATE NUMBER 2	2	100
112	1003	0	PLATE NUMBER 3	2	100
113	1504	0	L INNER SPROCKET RING	2	100
114	1504	0	L INNER SPROCKET FLANGE	2	100
115	0	0	DUMMY	0	0
116	1504	0	L OUTER SPROCKET FLANGE	2	100
117	0	0	DUMMY	0	0
118	1504	0	L OUTER SPROCKET RING	2	100
119	1503	0	R INNER SPROCKET RING	2	100
120	1503	0	R INNER SPROCKET FLANGE	2	100
121	0	0	DUMMY	0	0
122	1503	0	R OUTER SPROCKET FLANGE	2	100
123	0	0	DUMMY	0	0
124	1503	0	R OUTER SPROCKET RING	2	100
125	1506	0	L 1 OUTER TIRE	6	100
126	1508	0	L 1 OUTER WHEEL	2	100
127	0	0	DUMMY	0	0
128	1506	0	L 1 INNER TIRE	6	100
129	1508	0	L 1 INNER WHEEL	2	100
130	0	0	DUMMY	0	0
131	1505	0	R 1 OUTER TIRE	6	100
132	1507	0	R 1 OUTER WHEEL	2	100
133	0	0	DUMMY	0	0
134	1505	0	R 1 INNER TIRE	6	100
135	1507	0	R 1 INNER WHEEL	2	100
136	0	0	DUMMY	0	0
137	1506	0	L 1 OUTER TIRE	6	100
138	1508	0	L 1 OUTER WHEEL	2	100
139	0	0	DUMMY	0	0

TABLE B-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
140	1506	0	L 1 INNER TIRE	6	100
141	1508	0	L 1 INNER WHEEL	2	100
142	0	0	DUMMY	0	0
143	1505	0	R 1 OUTER TIRE	6	100
144	1507	0	R 1 OUTER WHEEL	2	100
145	0	0	DUMMY	0	0
146	1505	0	R 1 INNER TIRE	6	100
147	1507	0	R 1 INNER WHEEL	2	100
148	0	0	DUMMY	0	0
149	1506	0	L 1 OUTER TIRE	6	100
150	1508	0	L 1 OUTER WHEEL	2	100
151	0	0	DUMMY	0	0
152	1506	0	L 1 INNER TIRE	6	100
153	1508	0	L 1 INNER WHEEL	2	100
154	0	0	DUMMY	0	0
155	1505	0	R 1 OUTER TIRE	6	100
156	1507	0	R 1 OUTER WHEEL	2	100
157	0	0	DUMMY	0	0
158	1505	0	R 1 INNER TIRE	6	100
159	1507	0	R 1 INNER WHEEL	2	100
160	0	0	DUMMY	0	0
161	1506	0	L 1 OUTER TIRE	6	100
162	1508	0	L 1 OUTER WHEEL	2	100
163	0	0	DUMMY	0	0
164	1506	0	L 1 INNER TIRE	6	100
165	1508	0	L 1 INNER WHEEL	2	100
166	0	0	DUMMY	0	0
167	1505	0	R 1 OUTER TIRE	6	100
168	1507	0	R 1 OUTER WHEEL	2	100
169	0	0	DUMMY	0	0
170	1505	0	R 1 INNER TIRE	6	100
171	1507	0	R 1 INNER WHEEL	2	100
172	0	0	DUMMY	0	0
173	1701	0	EJECTOR BLADE UPPER ASSEMBLY	1	100
174	1701	0	EJECTOR BLADE UPPER ASSEMBLY	1	100
175	1701	0	EJECTOR BLADE MID SECTION PIEC	1	100
176	1701	0	EJECTOR BLADE MID ASSEMBLY	1	100
177	1701	0	EJECTOR BLADE LOWER ASSEMBLY	1	100
178	1701	0	EJECTOR BLADE BOTTOM	1	100
179	1171	0	FRONT CARGO BAY FLOOR	2	100
180	0	0	DUMMY FLOOR REGION	0	0
181	1175	0	CARGO BAY FLOOR	2	100
182	1175	0	CARGO BAY FLOOR	2	100
183	1175	0	CARGO BAY FLOOR	2	100
184	0	0	DUMMY FLOOR REGION	0	0
185	1500	0	HORIZONTAL TRACK SECTION	1	35

TABLE B-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
186	0	0	CENTRE DUMMY TRACK SECTION	0	0
187	1500	0	FRONT TRACK SECTION	1	35
188	0	0	DUMMY FRONT TRACK SECTION	0	0
189	1500	0	DRIVE TRACK SECTION	1	35
190	0	0	REAR DUMMY TRACK SECTION	0	0
191	1500	0	REAR TRACK SECTION	1	35
192	0	0	DUMMY REAR TRACK SECTION	0	0
193	1500	0	HORIZONTAL TRACK SECTION	1	35
194	0	0	CENTRE DUMMY TRACK SECTION	0	0
195	1500	0	FRONT TRACK SECTION	1	35
196	0	0	DUMMY FRONT TRACK SECTION	0	0
197	1500	0	DRIVE TRACK SECTION	1	35
198	0	0	REAR DUMMY TRACK SECTION	0	0
199	1500	0	REAR TRACK SECTION	1	35
200	0	0	DUMMY REAR TRACK SECTION	0	0
201	1198	0	LEFT MID SIDE SECTION	2	100
202	1198	0	RIGHT MID SIDE SECTION	2	100
203	1196	0	FRONT SIDE CIRCULAR	2	100
204	0	0	DUMMY REG	0	0
205	1197	0	FRONT SIDE	2	100
206	1196	0	FRONT SIDE CIRCULAR	2	100
207	0	0	DUMMY REG	0	0
208	1197	0	FRONT SIDE	2	100
209	1194	0	UPPER FRONT FENDER SUPPORT	2	8
210	1193	0	HYDRAULIC CYCLINDER MOUNT	2	8
211	1193	0	HYDRAULIC CYCLINDER MOUNT	2	8
212	1194	0	UPPER FRONT FENDER SUPPORT	2	8
213	1193	0	HYDRAULIC CYCLINDER MOUNT	2	8
214	1193	0	HYDRAULIC CYCLINDER MOUNT	2	8
215	2034	0	STEER UNIT CASE	1	35
216	1169	0	REAR FLOOR CHASSIS JOINT	2	8
217	1799	0	WINCH & MOTOR ASSEMBLY	1	45
218	0	0	WINCH ACCESS HOLE	0	0
219	1183	0	DRIVE TRAIN SURPORT PLATE	2	100
220	1183	0	REAR LOWER CHASSIS PLT	2	100
221	1176	0	REAR BUMPER	2	8
222	1177	0	LEFT REAR SIDE PLATE	2	100
223	1177	0	RIGHT REAR SIDE PLATE	2	100
224	1183	0	REAR CHASSIS PLATE	2	100
225	1195	0	FLOOR DECK PLATE	2	100
226	1186	0	MID-POST REAR CHASSIS	2	8
227	1186	0	REAR-POST CHASSIS	2	8
228	1186	0	DECK SUPPORT OVERHANG	2	8
229	1186	0	MID-POST REAR CHASSIS	2	8
230	1186	0	REAR-POST CHASSIS	2	8
231	1186	0	DECK SUPPORT OVERHANG	2	8

TABLE B-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
232	2301	0	UPPER FUEL TANK	2	100
233	2301	0	LOWER FUEL TANK	2	100
234	1800	0	FUEL INSIDE TANK	5	100
235	1800	0	FUEL INSIDE TANK	5	100
236	1185	0	LOWER MID-FENDER SUPPORT	2	8
237	1185	0	LOWER MID-FENDER SUPPORT	2	8
238	1184	0	EGRESS DOOR POST	2	8
239	1184	0	EGRESS DOOR POST	2	8
240	1185	0	FORWARD POST	2	8
241	1185	0	FORWARD POST	2	8
242	1184	0	HORIZONTAL POST	2	8
243	1184	0	HORIZONTAL POST	2	8
244	2400	0	RADIATOR	3	8
245	8106	0	SOLID .375 METAL SIDE	2	100
246	0	0	CORREGATED SIDE DUMMY	0	0
247	0	0	CORREGATED SIDE DUMMY	0	0
248	0	0	CORREGATED SIDE DUMMY	0	0
249	0	0	CORREGATED SIDE DUMMY	0	0
250	0	0	CORREGATED SIDE DUMMY	0	0
251	0	0	CORREGATED SIDE DUMMY	0	0
252	0	0	CORREGATED SIDE DUMMY	0	0
253	0	0	CORREGATED SIDE DUMMY	0	0
254	0	0	CORREGATED SIDE DUMMY	0	0
255	8106	0	SOLID .375 METAL SIDE	2	100
256	0	0	CORREGATED SIDE DUMMY	0	0
257	0	0	CORREGATED SIDE DUMMY	0	0
258	0	0	CORREGATED SIDE DUMMY	0	0
259	0	0	CORREGATED SIDE DUMMY	0	0
260	0	0	CORREGATED SIDE DUMMY	0	0
261	0	0	CORREGATED SIDE DUMMY	0	0
262	0	0	CORREGATED SIDE DUMMY	0	0
263	0	0	CORREGATED SIDE DUMMY	0	0
264	0	0	CORREGATED SIDE DUMMY	0	0
265	1182	0	HORIZONTAL REAR POST	2	8
266	1182	0	HORIZONTAL REAR POST	2	8
267	1181	0	UPPER FENDER SUPPORT	2	8
268	1181	0	UPPER FENDER SUPPORT	2	8
269	8109	0	SOLID.375 REAR	2	100
270	0	0	REAR SIDE CORREGATED DUMMY	0	0
271	0	0	REAR SIDE CORREGATED DUMMY	0	0
272	0	0	REAR SIDE CORREGATED DUMMY	0	0
273	0	0	REAR SIDE CORREGATED DUMMY	0	0
274	0	0	REAR SIDE CORREGATED DUMMY	0	0
275	0	0	REAR SIDE CORREGATED DUMMY	0	0
276	0	0	REAR SIDE CORREGATED DUMMY	0	0
277	0	0	REAR SIDE CORREGATED DUMMY	0	0

TABLE B-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
278	0	0	REAR SIDE CORREGATED DUMMY	0	0
279	1200	0	BATTERY BOX	1	3
280	1201	0	UPPER TOOL BOX	1	3
281	1202	0	REAR WATER CAN	1	3
282	1202	0	REAR WATER CAN	1	3
283	1706	0	ENGINE MUFFLER	1	3
284	1707	0	MUFFLER TAILPIPE	1	3
285	1706	0	ENGINE MUFFLER	1	3
286	1707	0	MUFFLER TAILPIPE	1	3
287	1739	0	ENGINE BLOCK	1	80
288	1740	0	ENGINE CYLINDERS LEFT	1	80
289	0	0	DUMMY	0	0
290	1740	0	ENGINE CYLINDERS RIGHT	1	80
291	0	0	DUMMY	0	0
292	1702	0	OIL PAN	2	10
293	1702	0	OIL PAN	2	10
294	1741	0	TIMING WHEEL HOUSING	1	80
295	1741	0	TIMING WHEEL	1	80
296	1708	0	ENGINE EXHAUST LEFT	1	30
297	1708	0	ENGINE EXHAUST LEFT	1	30
298	1708	0	ENGINE EXHAUST LEFT	1	30
299	1708	0	ENGINE EXHAUST LEFT	1	30
300	1708	0	ENGINE EXHAUST LEFT	1	30
301	1708	0	ENGINE EXHAUST LEFT	1	30
302	1708	0	EXHAUST TO MUFFLER	1	30
303	1708	0	ENGINE EXHAUST RIGHT	1	30
304	1708	0	ENGINE EXHAUST RIGHT	1	30
305	1708	0	ENGINE EXHAUST RIGHT	1	30
306	1708	0	ENGINE EXHAUST RIGHT	1	30
307	1708	0	ENGINE EXHAUST RIGHT	1	30
308	1601	0	DOZER SIDE PLATE	2	100
309	1602	0	DOZER SIDE PLATE	2	100
310	1603	0	DOZER SIDE PLATE	2	100
311	1601	0	DOZER SIDE PLATE	2	100
312	1602	0	DOZER SIDE PLATE	2	100
313	1603	0	DOZER SIDE PLATE	2	100
314	1604	0	UPPER DOZER BLADE	2	100
315	1605	0	MID DOZER BLADE	2	100
316	1606	0	LOWER DOZER BLADE	2	100
317	1607	0	LOWER DOZER BLADE	2	100
318	0	0	DOZER NULL SOLID	0	0
319	0	0	DOZER NULL SOLID	0	0
320	0	0	DOZER NULL SOLID	0	0
321	0	0	DOZER NULL SOLID	0	0
322	1620	0	DOZER APRON	2	38
323	1620	0	DOZER APRON	2	38

TABLE 8-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
324	2030	0	TRANSFER CASE	1	40
325	2030	0	TRANSFER CASE	1	40
326	2030	0	TRANSFER CASE	1	40
327	2031	0	CLARK TRANSMISSION	1	40
328	2032	0	UNIVERSAL JOINT	1	30
329	2033	0	POWER DRIVE SHAFT	1	30
330	2032	0	UNIVERSAL JOINT	1	30
331	2034	0	STEER UNIT CASE	1	35
332	2034	0	STEER UNIT CASE	1	35
333	2034	0	STEER UNIT CASE	1	35
334	3000	0	FUEL FILTER	1	3
335	3001	0	HYDRAULIC PUMP	1	19
336	3002	0	DRIVERS PANEL	1	5
337	3050	0	APRON HYDRAULIC CYCLINDER	1	21
338	3051	0	APRON HYDRAULIC PISTON	1	100
339	3050	0	APRON HYDRAULIC CYCLINDER	1	21
340	3051	0	APRON HYDRAULIC PISTON	1	100
341	0	0	DUMMY REG	0	0
342	1721	0	ENGINE AIR CLEANER	1	2
343	3070	0	END WHEEL HUB	1	35
344	3070	0	END WHEEL HUB	1	35
345	3070	0	END WHEEL HUB	1	35
346	3070	0	END WHEEL HUB	1	35
347	2500	0	ACCUMULATOR FRAME ASMBYY	1	100
348	0	0	DUMMY SOLID	0	0
349	2501	0	HYDRAULIC ACCUMULATOR	1	6
350	2502	0	HYDRAULIC RESERVOIR	1	4
351	2503	0	LARGE HYDRAULIC FILTER	1	2
352	2503	0	SMALL HYDRAULIC FILTER	1	2
353	2601	0	HYDRAULIC ACTUATOR	1	40
354	2601	0	HYDRAULIC ACTUATOR	1	40
355	2601	0	HYDRAULIC ACTUATOR	1	40
356	2601	0	HYDRAULIC ACTUATOR	1	40
357	2601	0	HYDRAULIC ACTUATOR	1	40
358	2601	0	HYDRAULIC ACTUATOR	1	40
359	2601	0	HYDRAULIC ACTUATOR	1	40
360	2601	0	HYDRAULIC ACTUATOR	1	40
361	8124	0	STEEL FUEL ARMOR	1	100
362	8123	0	BATTERY ARMOR ALUM	2	100
363	8114	0	FUEL TANK TOP ALUM	2	100
364	8113	0	EJECTOR BLADE KEVLAR	14	100
365	8113	0	EJECTOR BLADE KEVLAR	14	100
366	8113	0	EJECTOR BLADE KEVLAR	14	100
367	8113	0	EJECTOR BLADE KEVLAR	14	100
368	8113	0	EJECTOR BLADE KEVLAR	14	100
369	8113	0	EJECTOR BLADE KEVLAR	14	100

TABLE B-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
370	8105	0	PLATE 3 APPLIQUE ST	1	100
371	8101	0	PLATE 1 APPLIQUE ALUM	2	100
372	8104	0	PLATE 2 APPLIQUE ST	1	100
373	8110	0	TOP ENGINE GRILLE	2	100
374	8130	0	DECK ARMOR KEV	14	100
375	8105	0	PLATE 6 APPLIQUE ST	1	100
376	8101	0	PLATE 4 APPLIQUE ALUM	2	100
377	8104	0	PLATE 5 APPLIQUE ST	1	100
378	8126	0	RADIATOR TOP ALUM	2	100
379	8111	0	ENGINE TOP STEEL-FRONT	1	100
380	8112	0	ENGINE TOP ALUM -FRONT	2	100
381	8107	0	-10 DEG ENGINE GRILLE	2	100
382	5001	0	HYDRAULIC LINE	1	6
383	5001	0	HYDRAULIC LINE	1	6
384	5001	0	HYDRAULIC LINE	1	6
385	5001	0	HYDRAULIC LINE	1	6
386	5001	0	HYDRAULIC LINE	1	6
387	5001	0	HYDRAULIC LINE	1	6
388	5001	0	HYDRAULIC LINE	1	6
389	0	0	NULL SOLID DRIVER SIDE	0	0
390	8100	0	DRI INBOARD KEV INSERT	14	100
391	8102	0	PLATE 1 APPLIQUE STEEL	1	100
392	8102	0	PLATE 4 APPLIQUE STEEL	1	100
393	8108	0	DECK SIDE KEVLAR INSET	14	100
394	8115	0	FUEL TANK TOP KEVLAR	14	100
395	8116	0	DRIVER REAR ALUM ARMOR	2	100
396	8116	0	DRIVER REAR ALUM ARMOR	2	100
397	8116	0	DRIVER REAR ALUM ARMOR	2	100
398	8116	0	DRIVER REAR ALUM ARMOR	2	100
399	8117	0	DRIVER REAR STEEL ARMOR	1	100
400	8117	0	DRIVER REAR STEEL ARMOR	1	100
401	8117	0	DRIVER REAR STEEL ARMOR	1	100
402	8117	0	DRIVER REAR STEEL ARMOR	1	100
403	0	0	NULL SOLID DRI COMPT	0	0
404	0	0	NULL SOLID ENG COMPT	0	0
405	8118	0	DRI COMPT SLANT SIDE	2	100
406	8119	0	ENG COMPT SLANT SIDE	2	100
407	8120	0	ENG COMPT SLANT SIDE	1	100
408	8121	0	HYD CYL TOP ARMR	2	100
409	8121	0	HYD CYL TOP ARMR	2	100
410	8122	0	REAR STEEL APPLIQUE	1	100
411	8129	0	BATTERY ARMOR KEVLAR	14	100
412	8132	0	ALUM FUEL ARMOR	2	100
413	8125	0	DECK ARMOR ALUM	2	100
414	8131	0	RADIATOR TOP KEVLAR	14	100
415	8127	0	ENG COMPT FRNT SIDE PLT	1	100

TABLE B-3 UP-ARMORED M9 (ACE) VEHICLE IDENT TABLE (CONTINUED)

REG NUM	ITEM CODE	SPACE CODE	DESCRIPTION	MAT CODE	LOS %
416	8129	0	ENG COMPT FRNT PLT	2	100

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