

ILLUSTRATED PARTS BREAKDOWN

VR295 COLOR MONITOR

HOW TO USE THE IPB

GENERAL

This IPB is compiled following the organization and nomenclature of the engineering drawing structure.

MAJOR ASSEMBLY LOCATOR (When Applicable)

The Major Assembly Locator (first illustration) is an index that provides a description and a figure reference for all illustrations used in this manual.

INDENTED PARTS LIST

This manual identifies each assembly being broken down (figure reference callout) and all parts of that assembly. Further breakdown of an assembly is shown by an asterisk (*) preceding the item callouts in the Description Column. The number of asterisks preceding an item is used to denote the subordination of that item with respect to the Major Assembly. A single asterisk preceding an item description indicates that the item is part of the major assembly being illustrated. Items that are subordinate to single asterisks items, are denoted by two asterisks (**) and immediately follow the related single asterisk item. This system of part identification provides a means for the user to identify the next higher assembly item and make alternate selections for parts when the required replacement part of assembly is not immediately available.

COLUMN CALLOUT DESCRIPTION

Figure and Item - Indicates the figure number and item number of each part

Description - Lists the name of the part and pertinent specifications (when required). Asterisks preceding the description denote the subordination of the part to the next higher assembly.

DEC Part No. - Lists the Digital part ordering number. A blank in this column indicates a Digital part number was not assigned at the time of publication.

ECO Cut-In - The notation at the top of this column indicates the ECO level of the system (option), at which the IPB was initially prepared. Subsequent ECO level designations that modify existing parts or add new parts to the device, are inserted in the ECO Cut-In column next to the part that is added or modified.

Used On Code - Letters in this column correspond to the variation codes assigned in Figure 1. Parts with an Alpha notation(s) are used only in those option variations. A blank indicates that the part is used on all option variations.

Ref Fig No. - A cross reference between illustrations. For each Major Assembly, the number in this column denotes the figure of the next higher assembly. For all sub-assemblies, the number in this column denotes the figure showing additional detailed breakdown.

PART NUMBER/PART DESCRIPTION SORT SECTION
Parts are sorted both numerically and alphabetically by description, referenced to a location within the IPB, by figure number and item number.

REVISION HISTORY				OTHER IPB MANUALS REFERENCED
PRINTING	ECO LEVEL		DATE	
1st Printing	VR295	00000-00000	19-DEC-88	N/A
	70-25463	00000-00000		
	70-25469	00000-00000		
	70-25474	00000-00000		
	70-24021	00000-00000		
	70-25468	00000-00000		
	70-25467	00000-00000		

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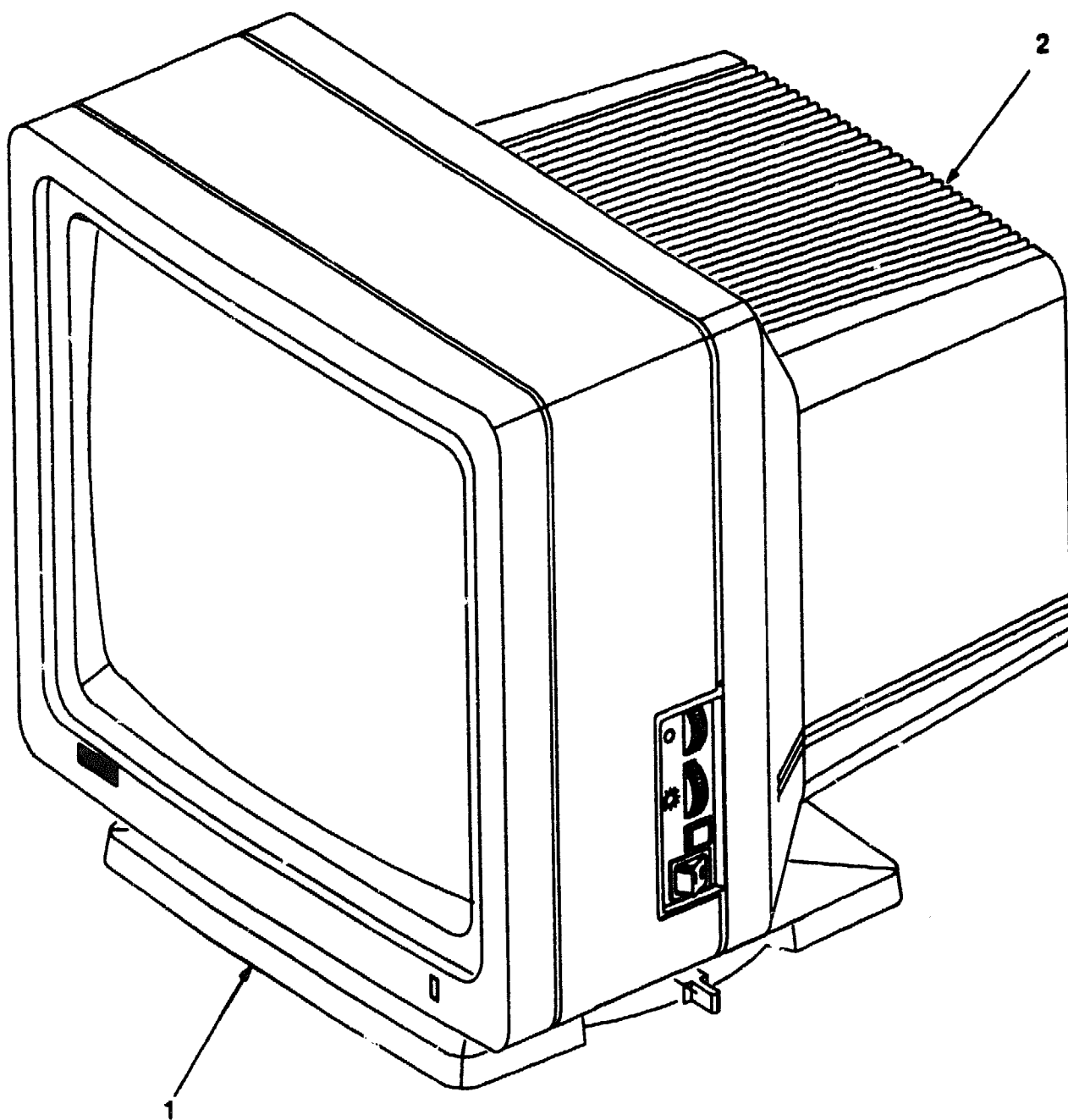


Figure 1. VR295 Color Monitor Unit Assembly (Sheet 1 of 2)

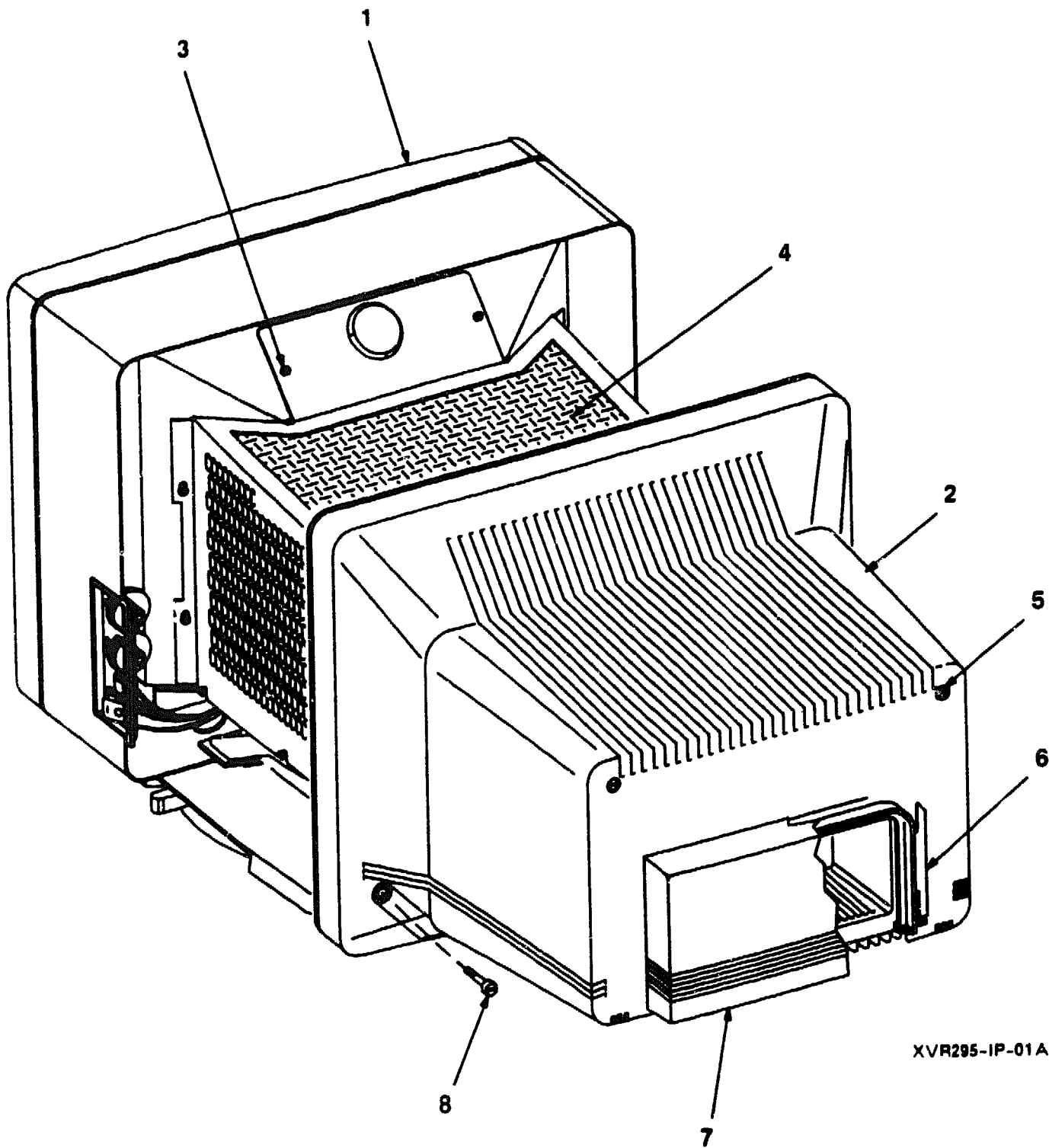
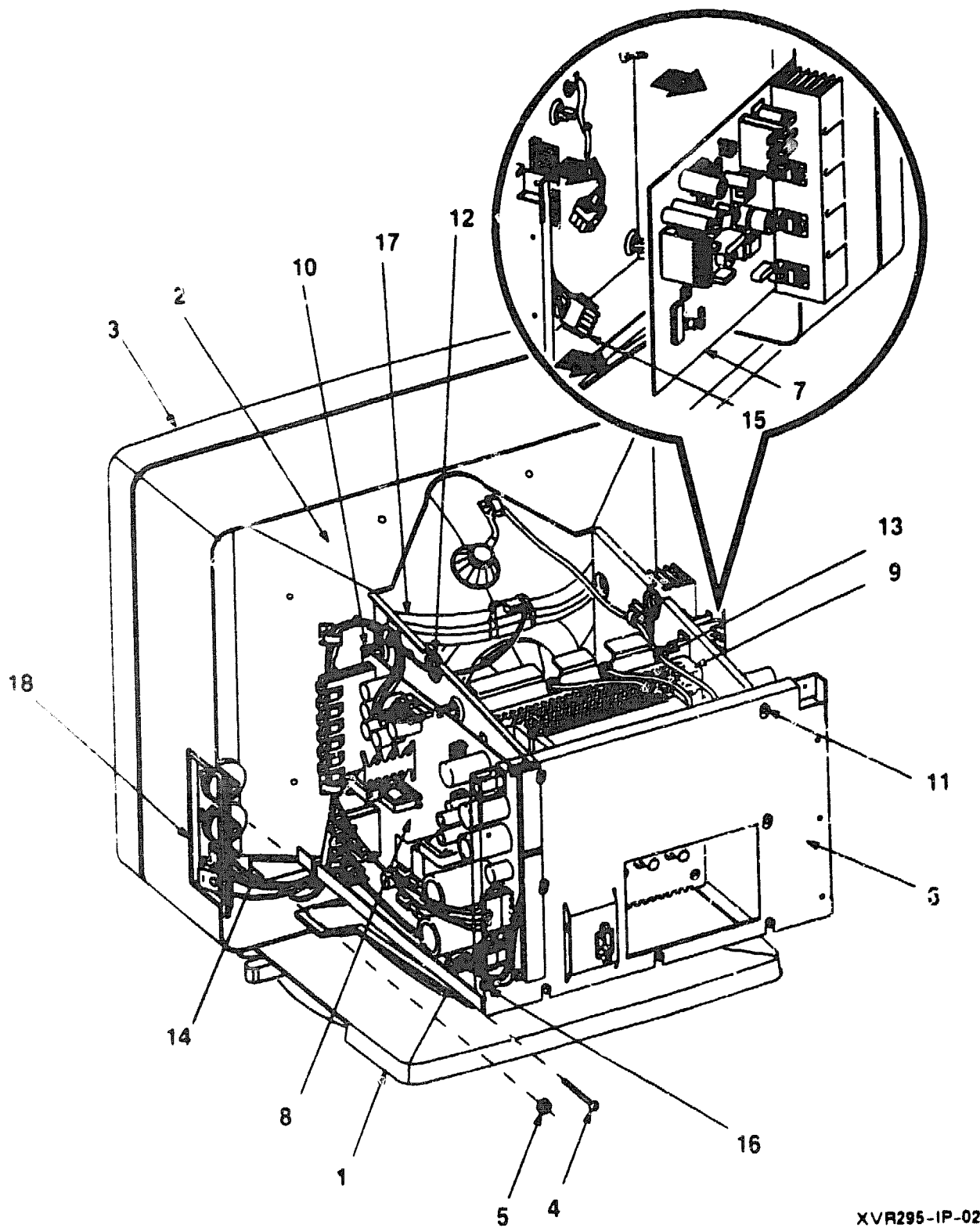


Figure 1. VR295 Color Monitor Unit Assembly (Sheet 2 of 2)

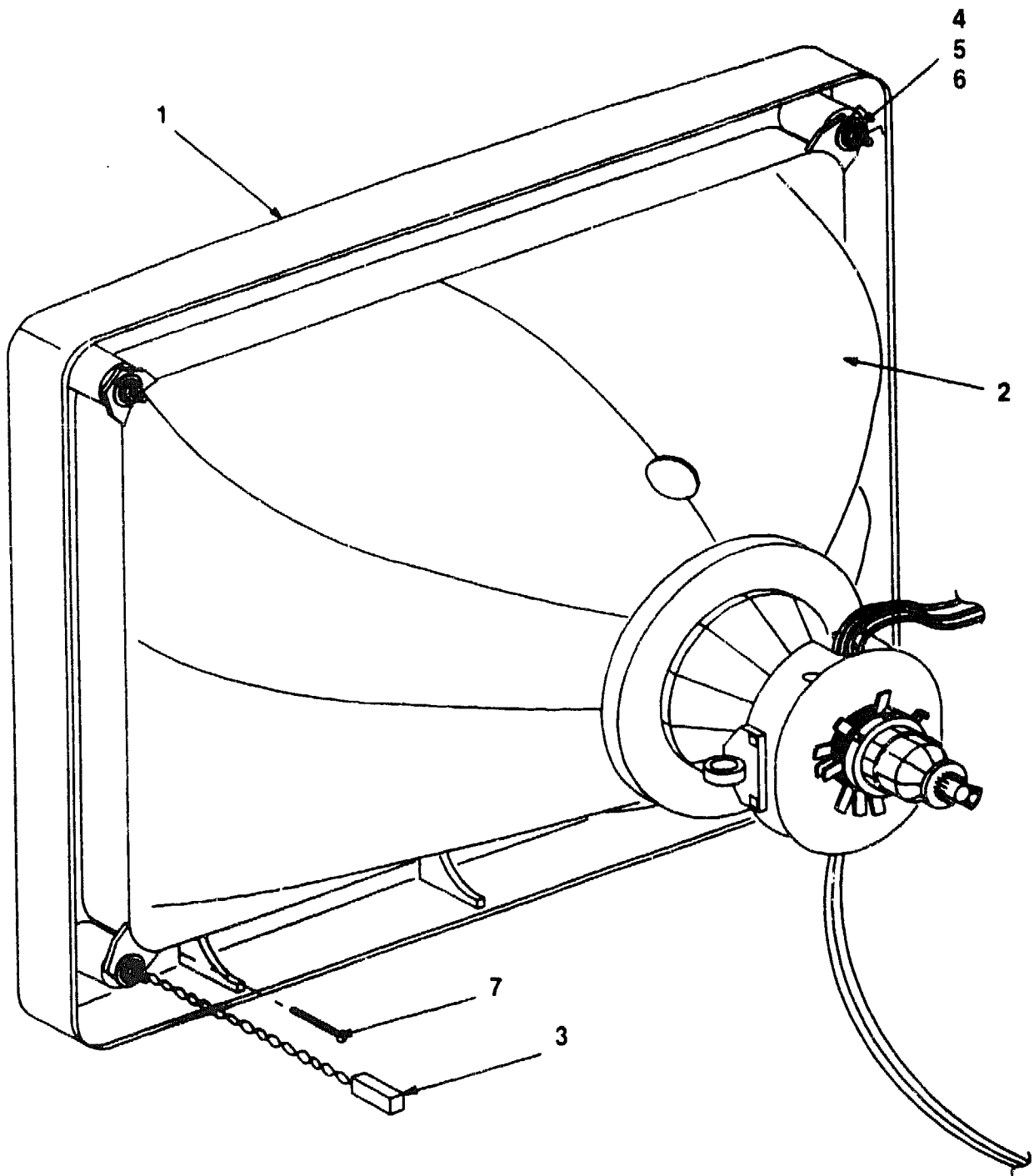
FIG. & ITEM NO.	DESCRIPTION	^A DEC PART NO.	ECO CUT-IN VR295 00000	USED ON CODE	REF FIG NO.
1-	VR295 COLOR MONITOR UNIT ASSEMBLY				
	Code A - Used on Model VR295-DA (Domestic/USA) (120V)	VR295-DA		A	
	Code B - Used on Model VR295-D3 (Northern Hemisphere) (240V)	VR295-D3		B	
	Code C - Used on Model VR295-D4 (Southern Hemisphere) (240V)	VR295-D4		C	
1	*CHASSIS ASSEMBLY (Domestic/USA) (120V)	70-25463-01		A	2
	*CHASSIS ASSEMBLY (Northern Hemis.) (240V)	70-25463-02		B	2
	*CHASSIS ASSEMBLY (Southern Hemis.) (240V)	70-25463-03		C	2
2	*Enclosure Assembly, Rear	70-25476-01			
3	*Screw, Hex Hd, Roll Thd No. 6-32 x 3/8	90-00061-09			
4	*Cover, Top	70-26211-01			
5	*Screw, Phi Pan Hd, M5 Metric Thd x 1 1/8	12-26950-01			
6	*Base, Dress Panel	74-34421-01			
7	*Cover, Dress Panel	74-37200-01			
8	*Screw Assembly, Captive	70-25764-01			
	ITEMS (Not Shown)				
	*Power Cord, AC (120V)	17-00606-15		A	
	*Label, "VR295-DA"	36-29711-01		A	
	*Label, "VR295-D3"	36-29711-02		B	
	*Label, "VR295-D4"	36-29711-03		C	
	*Label, "Warning"	36-17905-16			



XVR295-IP-02

Figure 2. Chassis Assembly

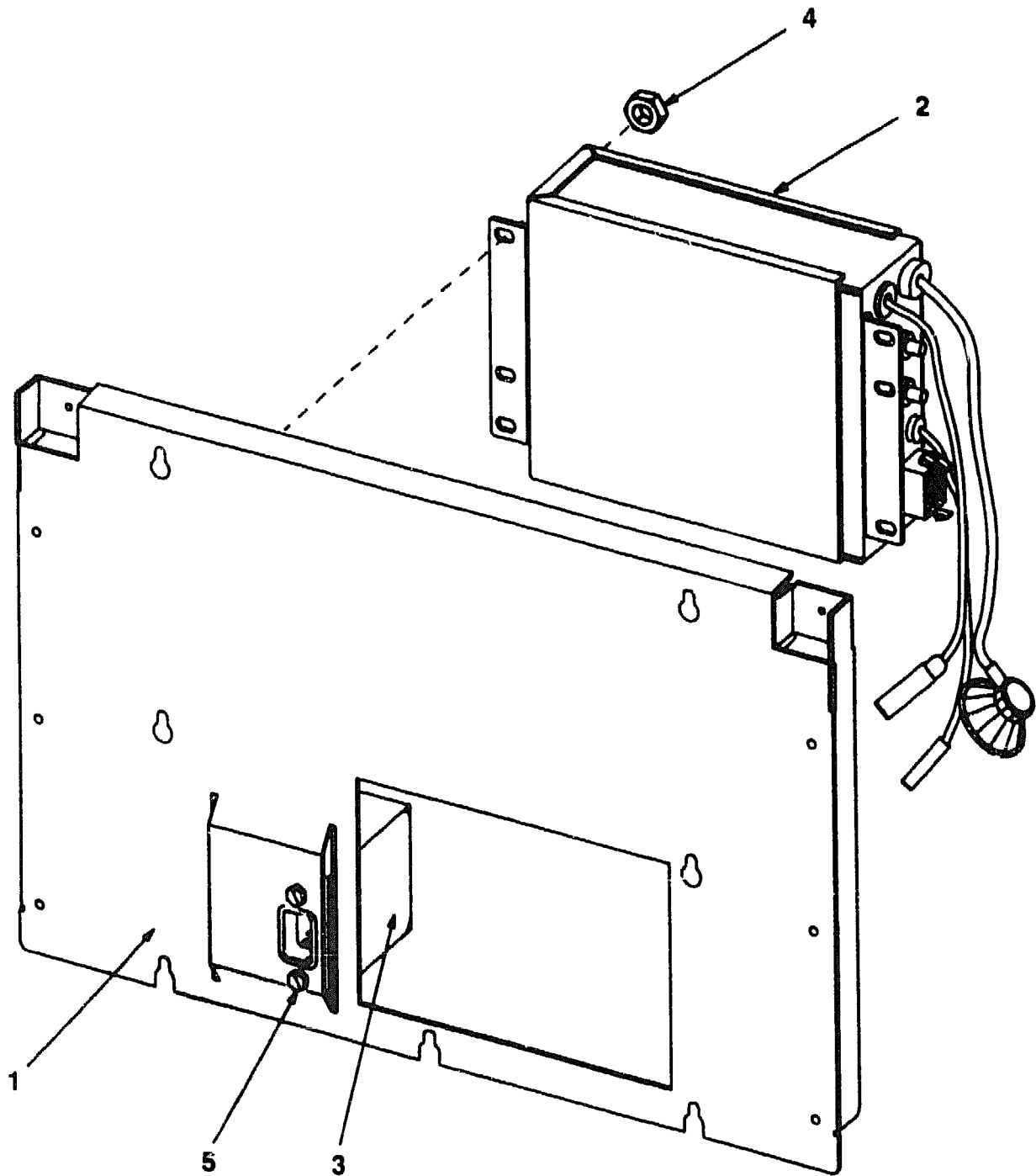
FIG. & ITEM NO.	DESCRIPTION	A DEC PART NO.	ECO CUT-IN 70-25463 00000	USED ON CODE	REF FIG NO.
2-	CHASSIS ASSEMBLY (Domestic/USA) (120V)	70-25463-01		A	1
	CHASSIS ASSEMBLY (Northern Hemis.) (240V)	70-25463-02		B	1
	CHASSIS ASSEMBLY (Southern Hemis.) (240V)	70-25463-03		C	1
1	*BASE BAND BOWL ASSEMBLY	70-24021-02			5
2	*Chassis	70-25471-01			
3	*BEZEL ASSEMBLY, FRONT	70-25469-01		AB	3
	*BEZEL ASSEMBLY, FRONT	70-25469-02		C	3
4	*Screw, Captive M5 Metric Thread x 1 1/8	12-26949-01			
5	*Nut	90-10754-01			
6	*PANEL ASSEMBLY, REAR	70-25474-01			4
7	*Module, Deflection	54-17320-01			
8	*Module, LVPS	H7257-A			
9	*ENCLOSURE ASSEMBLY, VIDEO	70-25467-01			7
10	*Fastener, Module	12-21566-02			
11	*Screw, Hex Hd. Roll Thd No. 6 x 3/8	90-00061-09			
12	*Grommet, 5/8	12-30285-02			
13	*Grommet, 3/8	12-30285-01			
14	*Cable Assembly, Degauss/Power	70-25466-01			
15	*Cable Assembly, HVPS Deflection	70-25464-01			
16	*Nut, Kep No. 10-32	90-06565-00			
17	*Coil, Degaussing	18-30024-01			
18	*CONTROL PANEL ASSEMBLY	70-25468-01			6
	ITEMS (Not Shown)				
	*Clip, Cable	12-21249-04			
	*Clip, Cable	90-10860-01			
	*Grommet, Caterpillar	12-25469-01			



XVR295-IP-03

Figure 3. Bezel Assembly, Front

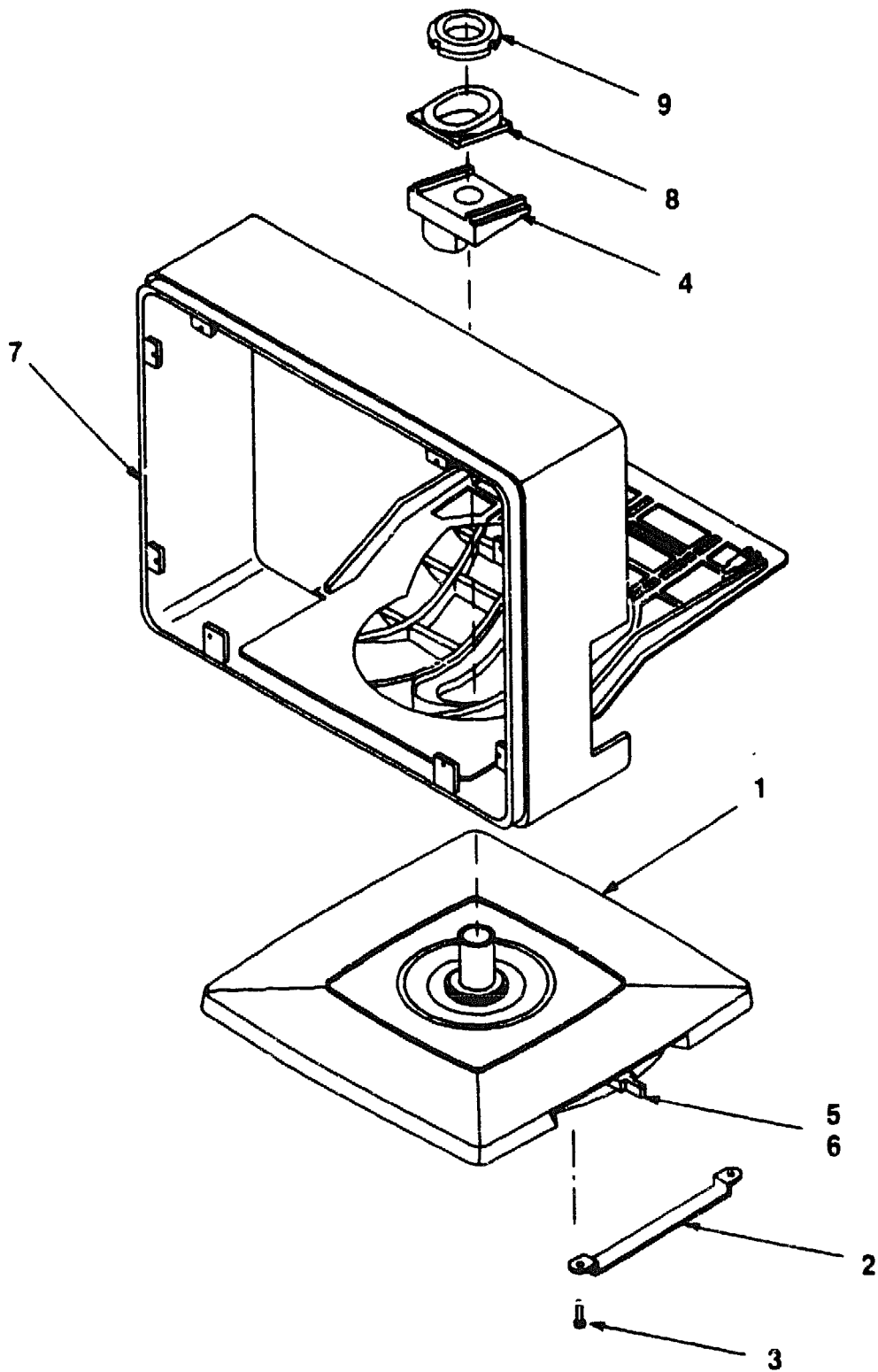
FIG. & ITEM NO.	DESCRIPTION	A DEC PART NO.	ECO CUT-IN 70-25469 00000	USED ON CODE	REF FIG NO.
3-	BEZEL ASSEMBLY, FRONT	70-25469-01		AB	2
	BEZEL ASSEMBLY, FRONT	70-25469-02		C	2
1	*Bezel, Front	74-32321-02			
2	*CRT, 19" Color w/Yoke	30-28504-01		AB	
	*CRT, 19" Color w/Yoke	30-28504-02		C	
3	*Cable Assembly, LED	70-25475-01			
4	*Nut, Leveler No. 6-19	90-10755-01			
5	*Washer, Spring	12-29264-01			
6	*Nut, Hex No. 6-19	12-29364-02			
7	*Screw, Phi Pan Hd No. 6-19 x 3/8	90-09800-06			
	LOGO (Not Shown)				
	*Logo, "Digital"	74-27257-01			



XVR295-IP-04

Figure 4. Panel Assembly, Rear

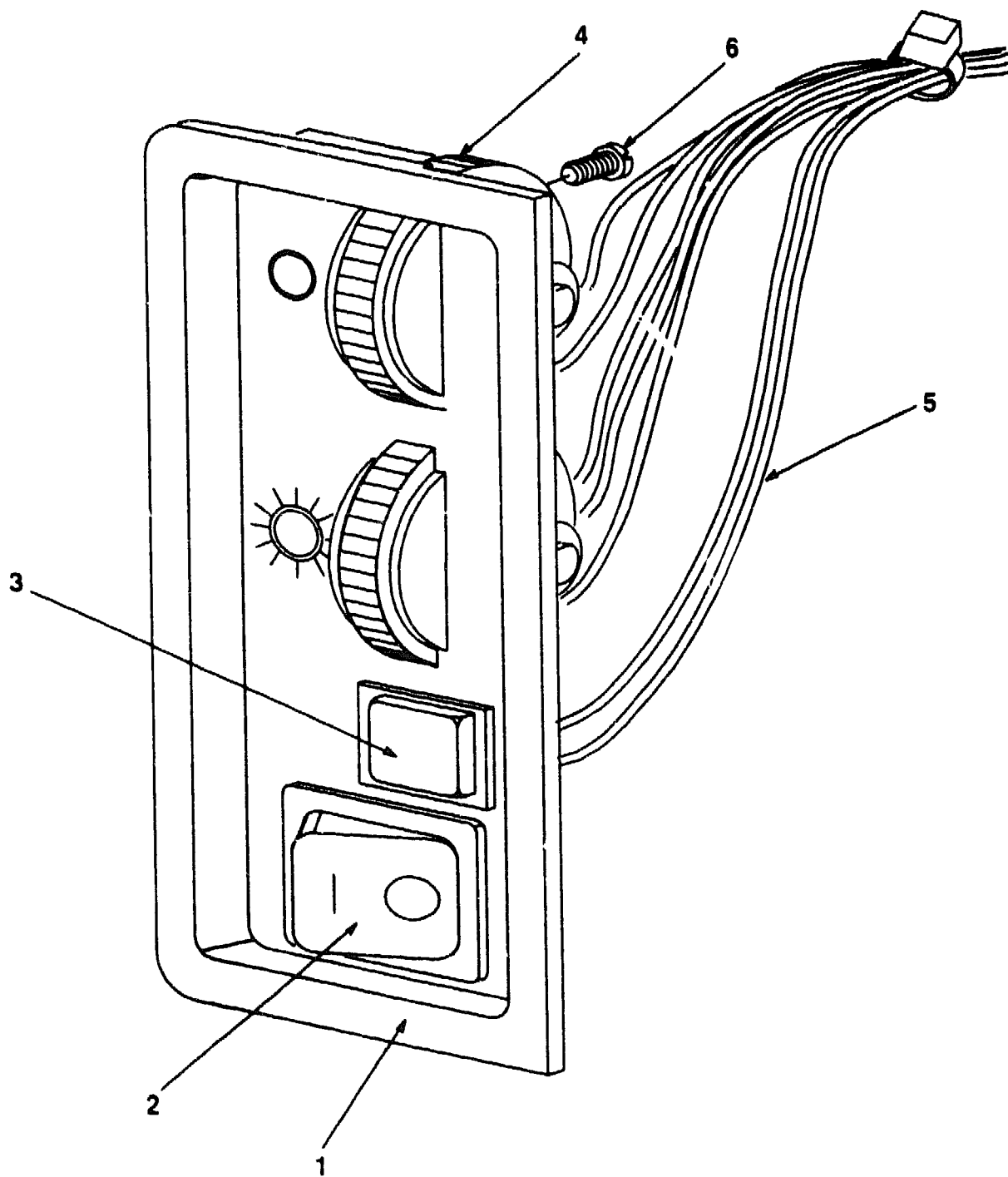
FIG. & ITEM NO.	DESCRIPTION	A DEC PART NO.	ECO CUT-IN 70-25474 00000	USED ON CODE	REF FIG NO.
4-	PANEL ASSEMBLY, REAR	70-25474-01			2
1	*Panel, Rear	74-36279-01			
2	*Power Supply Assembly, HVPS	30-26505-01			
3	*Line Filter/Wire Assembly	70-25482-01			
4	*Nut, Kep 10-32	90-06565-00			
5	*Screw, Sems Hex Hd No. 6-32 x 1/4	90-00061-07			



XVR295-05

Figure 5. Base Band Bowl Assembly

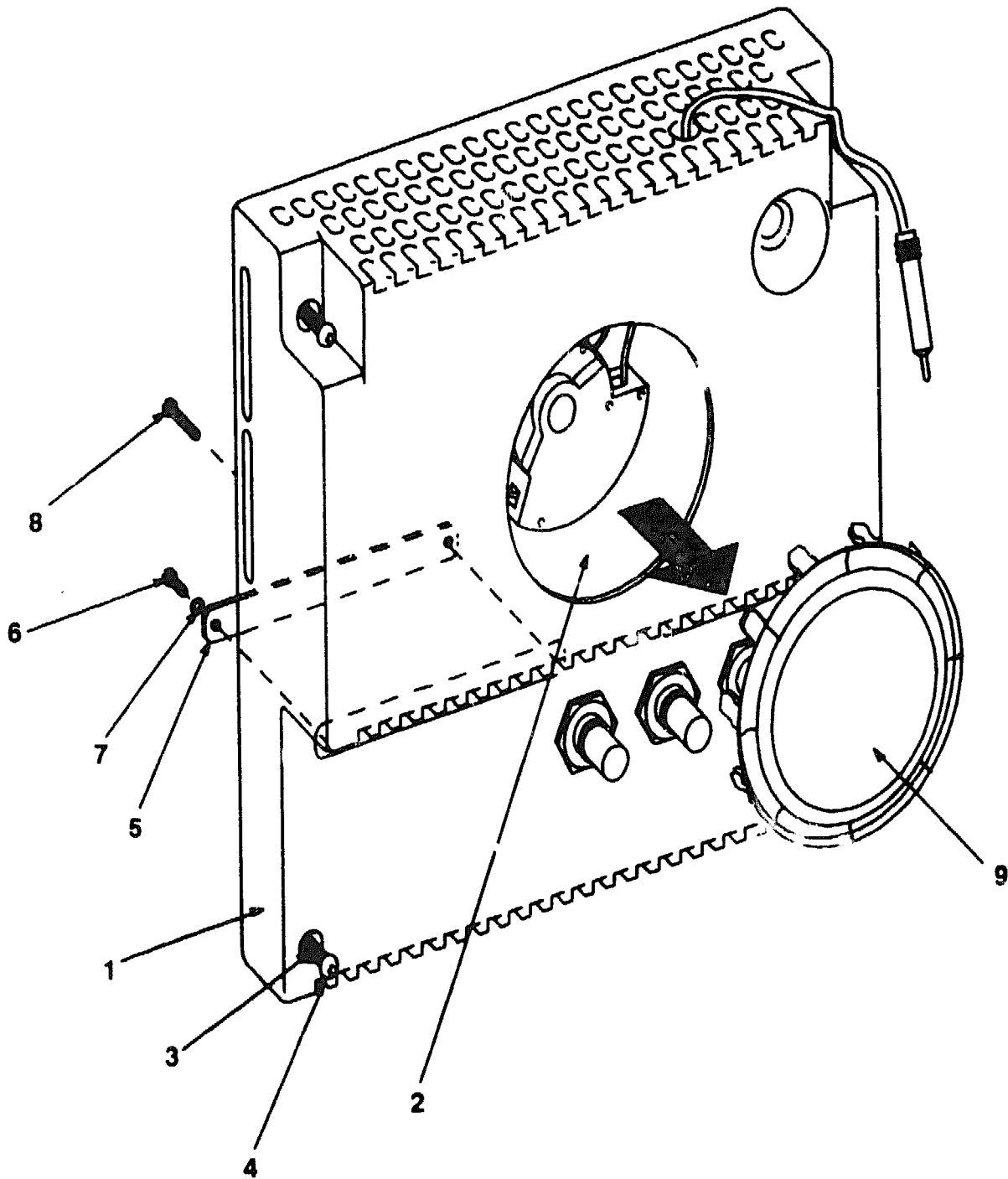
FIG. & ITEM NO.	DESCRIPTION	A DEC PART NO.	ECO CUT-IN 70-24021 00000	USED ON CODE	REF FIG NO.
5-	BASE BAND BOWL ASSEMBLY	70-24021-02			2
1	*Base Assembly	74-34324-01			
2	*Bracket	74-34238-01			
3	*Screw, Self Tapping Phi Hd No. 6-19 x 3/8	90-09800-06			
4	*Brake	74-32332-01			
5	*Lever	74-32334-01			
6	*Knob	74-32335-01			
7	*Band/Bowl Assembly	70-24025-02			
8	*Adjuster	74-32329-01			
9	*Nut, M30 x 1.5	90-10756-01			



XVR295-IP-08

Figure 6. Control Panel Assembly

FIG. & ITEM NO.	DESCRIPTION	A DEC PART NO.	ECO CUT-IN 70-25468 00000	USED ON CODE	REF FIG NO.
6-	CONTROL PANEL ASSEMBLY	70-25468-01			2
1	*Panel, Control	74-36640-01			
2	*Switch, Rocker On/Off	12-235/9-03			
3	*Switch, Push Degauss	12-21825-03			
4	*Thumbwheel	74-29651-01			
5	*Cable Assembly, Degauss/Bright/Contrast	70-25465-01			
6	*Screw, Self Tap, Phi Pan Hd No. 4 x 5/16	90-09800-19			
	ITEMS (Not Shown)				
	*Label, "ID"	90-09255-00			
	*Bracket Assembly, Control Panel	70-26666-00			



XVR295-IP-07

Figure 7. Enclosure Assembly, Video

FIG. & ITEM NO.	DESCRIPTION	A DEC PART NO.	ECO CUT-IN 70-25467 00000	USED ON CODE	REF FIG NO.
7-	ENCLOSURE ASSEMBLY, VIDEO	70-25467-01			2
1	*Casting, Video Board	74-36281-01			
2	*Module, Video	54-17333-01			
3	*Spring, Compression	12-19914-00			
4	*Screw, Captive No. 6-32 x 1 1/4	12-24468-01			
5	*Pad, Thermal Conductive	12-29171-01			
6	*Screw, Phl Pan Hd No. 4-40 x 1/4	90-08301-01			
7	*Washer, Shoulder	90-10057-01			
8	*Screw, Phl Pan Hd No. 4-40 X 5/8	90-00049-55			
9	*Plug, Button (See Note)	90-00017-01			
	NOTE: Item 9 Part of Chassis Assembly, (Figure 2). Shown Here For Clarity.				

PART NUMBER/DESCRIPTION SORT



BA214 CHASSIS ASSEMBLY SORT BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG. NO.	ITEM
12-19914-00	Spring, Compression	7	3
12-21249-04	Clip, Cable	2	Not Shown
12-21566-02	Fastener, Module	2	10
12-21825-03	Switch, Push Degauss	6	3
12-23579-03	Switch, Rocker	6	2
12-25469-01	Grommet, Caterpillar	2	Not Shown
12-26949-01	Screw, Captive M5 Metric Thread x 1 1/8	2	4
12-26950-01	Screw, Phil Pan Hd. M5 Metric Thd x 1 1/8	1	5
12-29171-01	Pad, Thermal Conductive	7	5
12-29264-01	Washer, Spring	3	5
12-29364-02	Nut, Hex No. 6-19	3	6
12-29468-01	Screw, Captive No. 6-32 x 1 1/4	7	4
12-30285-01	Grommet, 3/8	2	13
12-30285-02	Grommet, 5/8	2	12
16-30024-01	Coil, Degaussin	2	17
17-00606-15	Power Cord, AC (120V)	1	Not Shown
30-28504-01	CRT, 19" Color w/Yoke	3	2
30-28504-02	CRT, 19" Color w/Yoke	3	2
30-28505-01	Power Supply Assembly	4	2
36-17905-16	Label, "Warning"	1	Not Shown
36-29711-01	Label, "VR295-DA"	1	Not Shown
36-29711-02	Label, "VR295-D3"	1	Not Shown
36-29711-03	Label, "VR295-D4"	1	Not Shown
54-17320-01	Module, Deflection	2	7
54-17333-01	Module, Video	7	2
70-24021-02	BASE BAND BOWL ASSEMBLY	2	1
70-24021-02	BASE BAND BOWL ASSEMBLY	5	N/A
70-24025-02	Band/Bowl Assembly	5	7
70-25462-01	Line Filter/Wire Assembly	4	3
70-25463-01	CHASSIS ASSEMBLY (Domestic/USA) (120V)	2	N/A
70-25463-01	CHASSIS ASSEMBLY (Domestic/USA) (120V)	1	1
70-25463-02	CHASSIS ASSEMBLY (Northern Hemis.) (240V)	1	1
70-25463-02	CHASSIS ASSEMBLY (Northern Hemis.) (240V)	2	N/A
70-25463-03	CHASSIS ASSEMBLY (Southern Hemis.) (240V)	2	N/A
70-25463-03	CHASSIS ASSEMBLY (Southern Hemis.) (240V)	1	1
70-25464-01	Cable Assembly, HVPS Deflection	2	15
70-25465-01	Cable Assembly, Degauss/Bright/Contrast	6	5
70-25466-01	Cable Assembly, Degauss/Power	2	14
70-25467-01	ENCLOSURE ASSEMBLY, VIDEO	7	N/A
70-25467-01	ENCLOSURE ASSEMBLY, VIDEO	2	9
70-25468-01	CONTROL PANEL ASSEMBLY	2	18
70-25468-01	CONTROL PANEL ASSEMBLY	6	N/A
70-25469-01	BEZEL ASSEMBLY, FRONT	3	N/A
70-25469-01	BEZEL ASSEMBLY, FRONT	2	3
70-25469-02	BEZEL ASSEMBLY, FRONT	2	3
70-25469-02	BEZEL ASSEMBLY, FRONT	3	N/A
70-25471-01	Chassis	2	2

BA214 CHASSIS ASSEMBLY SORT BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG. NO.	ITEM
70-25474-01	PANEL ASSEMBLY, REAR	2	6
70-25474-01	PANEL ASSEMBLY, REAR	4	N/A
70-25475-01	Cable Assembly, LED	3	3
70-25476-01	Enclosure Assembly, Rear	1	2
70-25764-01	Screw Assembly, Captive	1	8
70-26211-01	Cover, Top	1	4
70-26666-00	Bracket Assembly, Control Panel	6	Not Shown
74-27257-01	Logo, "Digital"	3	Not Shown
74-29651-01	Thumbwheel	6	4
74-32321-02	Bezel, Front	3	1
74-32329-01	Adjuster	5	8
74-32332-01	Brake	5	4
74-32334-01	Lever	5	5
74-32335-01	Knob	5	6
74-34238-01	Bracket	5	2
74-34324-03	Base Assembly	5	1
74-34421-01	Base, Dress Panel	1	6
74-36279-01	Panel, Rear	4	1
74-36281-01	Casting, Video Board	7	1
74-36640-01	Panel, Control	6	1
74-37200-01	Cover, Dress Panel	1	7
90-00017-01	Plug, Button	7	9
90-00049-55	Screw, Phl Pan Hd No. 4-40 X 5/8	7	8
90-00061-07	Screw, Sems Hex Hd No. 6-32 x 1/4	4	5
90-00061-09	Screw, Hex Hd, Roll Thd No. 6 x 3/8	2	11
90-00061-09	Screw, Hex Hd, Roll Thd No. 6-32 x 3/8	1	3
90-06565-00	Nut, Kep No. 10-32	4	4
90-06565-00	Nut, Kep No. 10-32	2	16
90-08301-01	Screw, Phl Pan Hd No. 4-40 x 1/4	7	6
90-09255-00	Label, "ID"	6	Not Shown
90-09800-06	Screw, Phl Pan Hd No. 6-19 x 3/8	3	7
90-09800-06	Screw, Self-Tapping Phl Hd No. 6 x 3/8	5	3
90-09800-19	Screw, Self-Tap, Phl Pan Hd No. 4 x 5/16	6	6
90-10057-01	Washer, Shoulder	7	7
90-10754-01	Nut	2	5
90-10755-01	Nut, Leveler No. 6-19	3	4
90-10756-01	Nut, M3e x 1.5	5	9
90-10860-01	Clip, Cable	2	Not Shown

VR295 COLOR MONITOR SORTED BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM
Adjuster	74-32329-01	5	8
Band/Bowl Assembly	70-24025-02	5	7
Base Assembly	74-34324-03	5	1
BASE BAND BOWL ASSEMBLY	70-24021-02	5	N/A
BASE BAND BOWL ASSEMBLY	70-24021-02	2	1
Base, Dress Panel	74-34421-01	1	6
BEZEL ASSEMBLY, FRONT	70-25469-01	2	3
BEZEL ASSEMBLY, FRONT	70-25469-02	2	3
BEZEL ASSEMBLY, FRONT	70-25469-02	3	N/A
BEZEL ASSEMBLY, FRONT	70-25469-01	3	N/A
Bezel, Front	74-32321-02	3	1
Bracket	74-34238-01	5	2
Bracket Assembly, Control Panel	70-26666-00	6	Not Shown
Brake	74-32332-01	5	4
Cable Assembly, Degauss/Bright/Contrast	70-25465-01	6	5
Cable Assembly, Degauss/Power	70-25466-01	2	14
Cable Assembly, HVPS Deflection	70-25464-01	2	15
Cable Assembly, LED	70-25475-01	3	3
Casting, Video Board	74-36281-01	7	1
Chassis	70-25471-01	2	2
CHASSIS ASSEMBLY (Domestic/USA) (120V)	70-25463-01	1	1
CHASSIS ASSEMBLY (Domestic/USA) (120V)	70-25463-01	2	N/A
CHASSIS ASSEMBLY (Southern Hemis.) (240V)	70-25463-03	1	1
CHASSIS ASSEMBLY (Northern Hemis.) (240V)	70-25463-02	2	N/A
CHASSIS ASSEMBLY (Northern Hemis.) (240V)	70-25463-02	1	1
CHASSIS ASSEMBLY (Southern Hemis.) (240V)	70-25463-03	2	N/A
Clip, Cable	90-10860-01	2	Not Shown
Clip, Cable	12-21249-04	2	Not Shown
Coil, Degaussing	16-30024-01	2	17
CONTROL PANEL ASSEMBLY	70-25468-01	6	N/A
CONTROL PANEL ASSEMBLY	70-25468-01	2	18
Cover, Dress Panel	74-37200-01	1	7
Cover, Top	70-26211-01	1	4
CRT, 19" Color w/Yoke	30-28504-01	3	2
CRT, 19" Color w/Yoke	30-28504-02	3	2
Enclosure Assembly, Rear	70-25476-01	1	2
ENCLOSURE ASSEMBLY, VIDEO	70-25467-01	7	N/A
ENCLOSURE ASSEMBLY, VIDEO	70-25467-01	2	9
Fastener, Module	12-21566-02	2	10
Grommet, 3/8	12-30285-01	2	13
Grommet, 5/8	12-30285-02	2	12
Grommet, Caterpillar	12-25469-01	2	Not Shown
Knob	74-32335-01		5

VR295 COLOR MONITOR SORTED BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM
Label, "ID"	90-09255-00	6	Not Shown
Label, "VR295-D3"	36-29711-02	1	Not Shown
Label, "VR295-D4"	36-29711-03	1	Not Shown
Label, "VR295-DA"	36-29711-01	1	Not Shown
Label, "Warning"	36-17905-16	1	Not Shown
Lever	74-32334-01	5	5
Line Filter/Wire Assembly	70-25462-01	4	3
Logo, "Digital"	74-27257-01	3	Not Shown
Model VR295-D3 (Northern Hemisphere) (240V)	VR295-D3	1	N/A
Model VR295-D4 (Southern Hemisphere) (240V)	VR295-D4	1	N/A
Model VR295-DA (Domestic/USA) (120V)	VR295-DA	1	N/A
Module, Deflection	54-17320-01	2	7
Module, LVPS	H7257-A	2	8
Module, Video	54-17333-01	7	2
Nut	90-10754-01	2	5
Nut, Hex No. 6-19	12-29364-02	3	6
Nut, Kep No. 10-32	90-06565-00	2	16
Nut, Kep No. 10-32	90-06565-00	4	4
Nut, Leveler No. 6-19	90-10755-01	3	4
Nut, M30 x 1.5	90-10756-01	5	9
Pad, Thermal Conductive	12-29171-01	7	5
PANEL ASSEMBLY, REAR	70-25474-01	2	6
PANEL ASSEMBLY, REAR	70-25474-01	4	N/A
Panel, Control	74-36640-01	6	1
Panel, Rear	74-36279-01	4	1
Plug, Button	90-00017-01	7	9
Power Cord, AC (120V)	17-00606-15	1	Not Shown
Power Supply Assembly	30-28505-01	4	-
Screw Assembly, Captive	70-25764-01	1	8
Screw, Captive M5 Metric Thread x 1 1/8	12-26949-01	2	4
Screw, Captive No. 6-32 x 1 1/4	12-29468-01	7	4
Screw, Hex Hd, Roll Thd No. 6 x 3/8	90-00061-09	2	11
Screw, Hex Hd, Roll Thd No. 6-32 x 3/8	90-00061-09	1	3
Screw, Phi Pan Hd No. 4-40 x 1/4	90-08301-01	7	6
Screw, Phi Pan Hd No. 4-40 X 5/8	90-00049-55	7	8
Screw, Phi Pan Hd No. 6-19 x 3/8	90-09800-06	3	7
Screw, Phi Pan Hd, M5 Metric Thd x 1 1/8	12-26950-01	1	5
Screw, Self-Tap, Phi Pan Hd No. 4 x 5/16	90-09800-19	6	6
Screw, Self-Tapping Phi Hd No. 5/8 x 3/8	90-09800-06	5	3
Screw, Sems Hex Hd No. 6-32 x 1/4	90-00061-07	4	5
Spring, Compression	12-19914-00	7	3
Switch, Push Degauss	12-21825-03	6	3
Switch, Rocker	12-23579-03	6	2
Thumbwheel	74-29651-01	6	4
Washer, Shoulder	90-10057-01	7	7
Washer, Spring	12-29264-01	3	5