

TM 10-8470-208-24&P

TECHNICAL MANUAL

**FIELD AND SUSTAINMENT MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST FOR**

INTERCEPTOR BODY ARMOR SYSTEM

DISTRIBUTION STATEMENT A. – Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

21 APRIL 2010

**SUSTAINMENT MAINTENANCE
CLEANING AND DRYING
SERVICE**

INITIAL SETUP:**Tools and Special Tools****Personnel Required**

Washer: High Extract (300 G), 65-lb (dry) capacity, solid mount computer-controlled wet clean system, Wascomat® Model EXSM-230C or equivalent (WP 0047, Item 18)

Non-MOS Specific

Dryer: Wascomat® Model TD75 RMC or equivalent (WP 0047, Item 2)
Temperature Measuring Instrument (70 °F – 200 °F capability, 1 °F accuracy) (WP 0047, Item 16)
Textile Fabric Moisture Analyzer (0% – 15% moisture capability, 1% accuracy) (WP 0047, Item 17)

Equipment Condition**Materials/Parts****References**

Lanadol® Avant® Detergent (WP 0046, Item 5)
Lanadol® Aktiv® Detergent (WP 0046, Item 4)
Perforated Laundry Bag (WP 0046, Item 13)
Laundry ID Tags or Wash-resistant Bar Code Label (human readable) (WP 0046, Item 6)
Ventilated Plastic Bag for Storing Cleaned IOTV Components (WP 0046, Item 16)
Plastic Bag for Storing Soft Ballistic Inserts (WP 0046, Item 14)

WP 0004
WP 0009

SERVICE**NOTE**

Universal Side Plate Carrier (IOTV Gen II) is not machine washable. Hand wash
Universal Side Plate Carrier IAW WP 0004.

The IOTV and IOTV Gen II consists of 15 to 16 individual component of which, 10 to 11 of the components are machine-washable using the instructions outlined below. All components of the IOTV and IOTV Gen II are interchangeable. It is possible to have a left side plate carrier with a universal side plate carrier with universal side plate pouch.

The remaining five components consist of the soft ballistic inserts and the quick release cable. None of these items may be machine washed. The laundry procedures outlined below apply to the items marked "Yes" in the Washable column in Table 1. Locations of pin tracking ID tag or label are indicated by a circle.

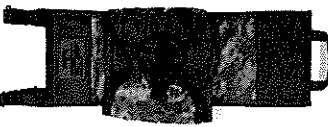
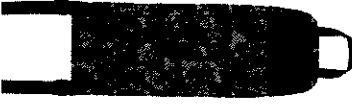
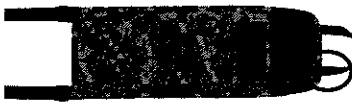
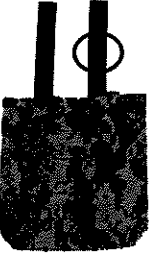
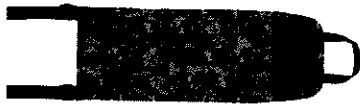
SERVICE – CONTINUED

Table 1. IOTV Components.

Item #	Picture		Data Label Item Name	Washable
	Exterior	Interior		
1			IOTV Front Carrier	Yes
			IOTV Front Carrier – FQ/PD 04-05 D/E	
2			IOTV Back Carrier	Yes
			IOTV Back Carrier – FQ/PD 04-05 D/E	

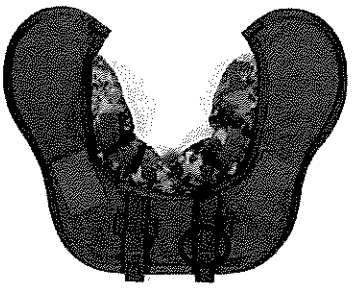
SERVICE – CONTINUED

Table 1. IOTV Components – Continued.

Item #	Picture		Data Label Item Name	Washable
	Exterior	Interior		
3			Right External Side Plate Carrier	Yes
	OR			
			Universal Side Plate Carrier – FQ/PD 04-05 D/E	
	AND 	AND 	Universal Side Plate Pouch – FQ/PD 04-05 D/E	
4			Left External Side Plate Carrier	Yes
	OR			
			Universal Side Plate Carrier– FQ/PD 04-05 D/E	
	AND 	AND 	Universal Side Plate Pouch– FQ/PD 04-05 D/E	

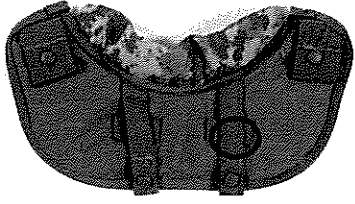
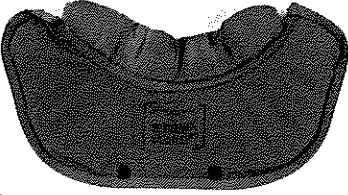
SERVICE – CONTINUED

Table 1. IOTV Components – Continued.

Item #	Picture		Data Label Item Name	Washable
	Exterior	Interior		
5			Right Internal Waistband	Yes
	OR		Right Internal Waistband – FQ/PD 04-05 D/E	
6			Left Internal Waistband	Yes
	OR		Left Internal Waistband – FQ/PD 04-05 D/E	
7			Front Yoke/Collar Assembly	Yes
	OR		Front Yoke/Collar Assembly – FQ/PD 04-05 D/E	

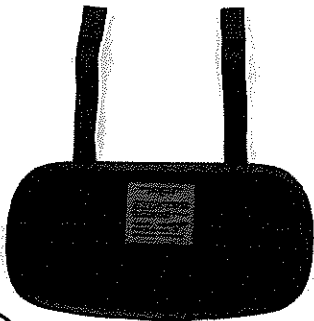
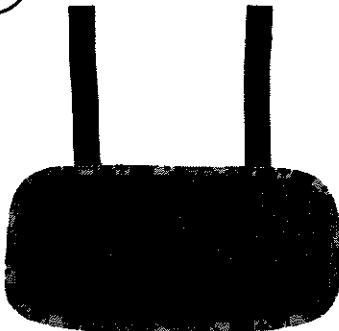
SERVICE – CONTINUED

Table 1. IOTV Components – Continued.

Item #	Picture		Data Label Item Name	Washable
	Exterior	Interior		
8			Yoke and Collar, Front and Rear or Yoke and Collar, Front and Rear – FQ/PD 04-05 D	Yes
	OR		Yoke and Collar, Front and Rear – FQ/PD 04-05 E	
9			Groin Protector Outershell	Yes
	OR		Groin Protector Outershell – FQ/PD 04-05 D	

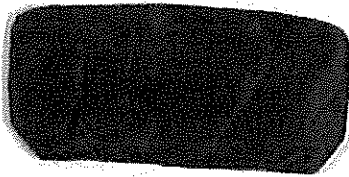
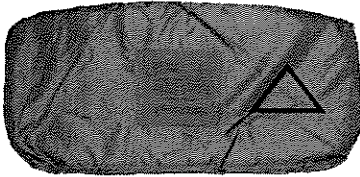
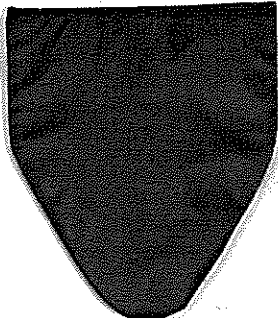
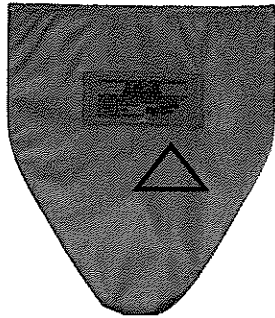
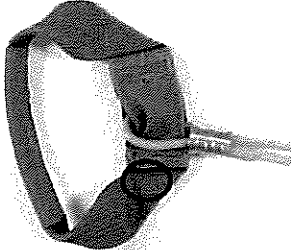
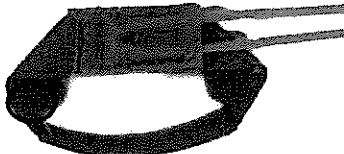
SERVICE – CONTINUED

Table 1. IOTV Components – Continued.

Item #	Picture		Data Label Item Name	Washable
	Exterior	Interior		
10			Lower Back Protector Outershell	Yes
			Lower Back Protector Outershell – FQ/PD 04-05 D/E	
11			Front Ballistic Insert	No
12			Back Ballistic Insert	No

SERVICE – CONTINUED

Table 1. IOTV Components – Continued.

Item #	Picture		Data Label Item Name	Washable
	Exterior	Interior		
13			Lower Back Protector Ballistic Insert	No
14			Groin Protector Ballistic Insert	No
15			Cable Release Assembly	No
			Cable Release Assembly – FQ/PD 04-05 D/E	
OR				
LEGEND:				
Black Circle –		Indicates recommended location to pin tracking ID tag or label. Pin to MOLLE straps at mark.		
Black Triangle–		Indicates recommended location to place adhesive-backed ID tracking label.		

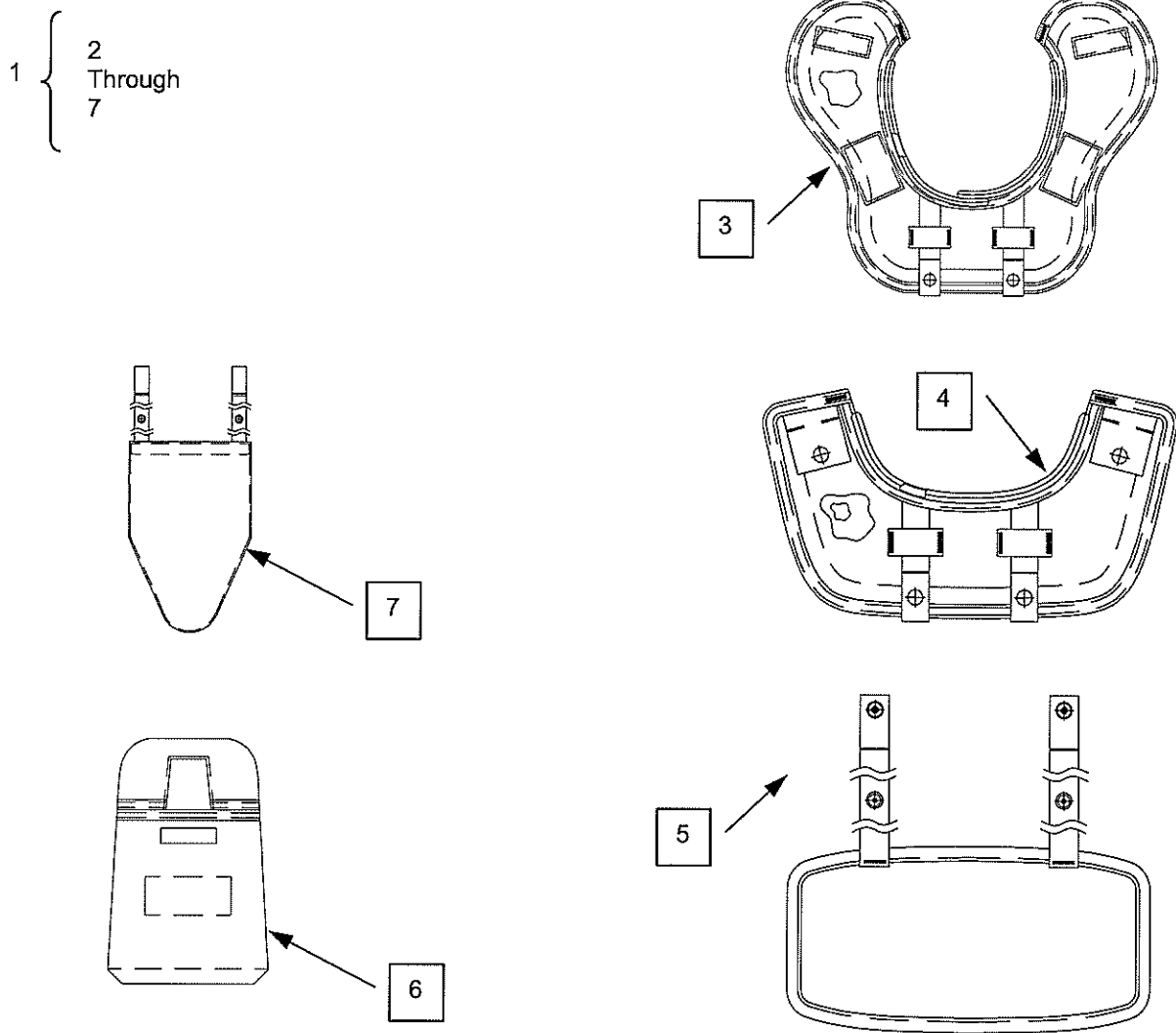


Figure 6. Interceptor Body Armor Improved Outer Tactical Vest Gen II Complete.

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 0301						
FIG. 6. INTERCEPTOR BODY ARMOR (IMPROVED OUTER TACTICAL VEST GEN II) COMPLETE						
1	PAFDD	8470-01-556-1703	81337	2-2-1010-101	BODY ARMOR, IMPROVED OUTER TACTICAL VEST (IOTV) (COMPLETE),X-SMALL, UCP	1
1	PAFDD		81337	2-2-1010-201	BODY ARMOR, IMPROVED OUTER TACTICAL VEST (IOTV) (COMPLETE),X-SMALL, OCP	1
2	PAFDD	8470-01-564-0133	81337	2-2-1011-101	.BASE VEST ASSEMBLY, IOTV GEN II, X-SMALL, UCP	1
2	PAFDD	8470-01-583-9519	81337	2-2-1011-201	.BASE VEST ASSEMBLY, IOTV GEN II, X-SMALL, OCP	1
3	PAFDD	8470-01-582-0613	81337	2-2-1031-101	.YOKE AND COLLAR ASSEMBLY, BACK, IOTV GEN II, X-SMALL, UCP	1
3	PAFDD	8470-01-586-2358	81337	2-2-1031-201	.YOKE AND COLLAR ASSEMBLY, BACK, IOTV GEN II, X-SMALL, OCP	1
4	PAFDD	8470-01-582-1007	81337	2-2-1030-101	.YOKE AND COLLAR ASSEMBLY, FRONT, IOTV GEN II, X-SMALL, UCP	1
4	PAFDD	8470-01-584-0742	81337	2-2-1030-201	.YOKE AND COLLAR ASSEMBLY, FRONT, IOTV GEN II, X-SMALL, OCP	1
5	PAFDD	8470-01-564-2999	81337	2-2-1027-101	.LOWER BACK PROTECTOR ASSEMBLY, IOTV GEN II, ONE SIZE, UCP	1
5		8470-01-584-0760	81337	2-2-1027-201	.LOWER BACK PROTECTOR ASSEMBLY, IOTV GEN II, ONE SIZE, OCP	1
6	PAFDD	8470-01-564-3393	81337	2-2-1028-101	..LOWER BACK PROTECTOR CARRIER(OUTERSHELL), IOTV GEN II, ONE SIZE, UCP	1
6	PAFDD	8470-01-584-0788	81337	2-2-1028-201	..LOWER BACK PROTECTOR CARRIER(OUTERSHELL), IOTV GEN II, ONE SIZE, OCP	1
7	PADDD	8470-01-551-8523	81337	2-2-1029-101	..LOWER BACK PROTECTOR INSERT, ONE SIZE	1
8	PAFDD	8470-01-564-5304	81337	2-2-1021-101	.DELTOID PROTECTOR ASSEMBLY, IOTV GEN II, XS-SM, UCP	1
8	PAFDD	8470-01-584-0910	81337	2-2-1021-201	.DELTOID PROTECTOR ASSEMBLY, IOTV GEN II, XS-SM, OCP	1
9	PAFDD	8470-01-564-5449	81337	2-2-1022-101	..DELTOID PROTECTOR OUTERSHELL, IOTV GEN II, XS-SM, UCP	2
9	PAFDD	8470-01-584-0909	81337	2-2-1022-201	..DELTOID PROTECTOR OUTERSHELL, IOTV GEN II, XS-SM, OCP	2
10	PADDD	8470-01-556-2192	81337	2-2-1023-101	..BALLISTIC PANEL, DELTOID PROTECTOR, XS-SM	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
11	PAFDD	8470-01-564-3415	81337	2-2-1024-101	.GROIN PROTECTOR ASSEMBLY, IOTV GEN II, XS-MED LONG, UCP	1
11	PAFDD	8470-01-584-0792	81337	2-2-1024-201	.GROIN PROTECTOR ASSEMBLY, IOTV GEN II, XS-MED LONG, UCP	1
12	PAFDD	8470-01-564-4278	81337	2-2-1025-101	..GROIN PROTECTOR CARRIER(OUTERSHELL), IOTV GEN II, XS- MED LONG, UCP	1
12	PAFDD	8470-01-584-0795	81337	2-2-1025-201	..GROIN PROTECTOR CARRIER(OUTERSHELL), IOTV GEN II, XS- MED LONG, OCP	1
13	PADDD	8470-01-497-8626	81337	2-2-1026-101	..INSERT, BALLISTIC, GROIN PROTECTOR, XS-MED LONG	1

END OF FIGURE

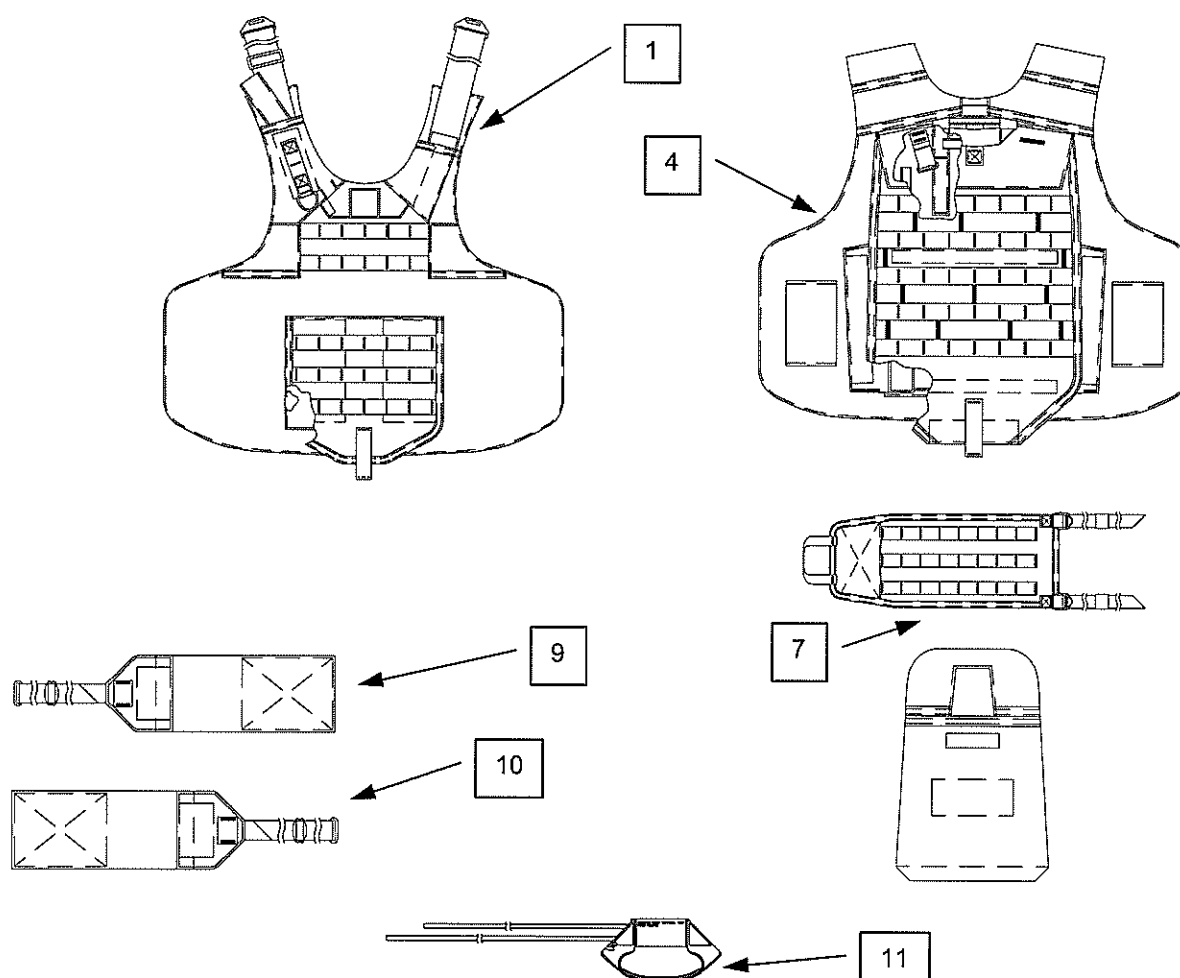


Figure 7. Base Vest Assembly (IOTV Gen II).

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
GROUP 030101						
FIG. 7. BASE VEST ASSEMBLY (IOTV GEN II)						
1	PAFDD	8470-01-564-0954	81337	2-2-1013-101	FRONT, BASE VEST ASSEMBLY, IOTV GEN II, X-SMALL, UCP	1
1	PAFDD	8470-01-584-0057	81337	2-2-1013-201	FRONT, BASE VEST ASSEMBLY, IOTV GEN II, X-SMALL, OCP	1
2	PAFDD	8470-01-564-1373	81337	2-2-1015-101	.FRONT, IOTV CARRIER (OUTERSHELL), IOTV GEN II, X-SMALL, UCP	1
2	PAFDD	8470-01-583-9763	81337	2-2-1015-201	.FRONT, IOTV CARRIER (OUTERSHELL), IOTV GEN II, X-SMALL, OCP	1
3	PADDD	8470-01-551-8039	3T951	1502-XS	.FRONT BALLISTIC INSERT, X-SMALL	1
4	PAFDD	8470-01-564-1701	81337	2-2-1012-101	BACK, BASE VEST ASSEMBLY, IOTV GEN II, X-SMALL, UCP	1
4	PAFDD	8470-01-583-9811	81337	2-2-1012-101	BACK, BASE VEST ASSEMBLY, IOTV GEN II, X-SMALL, OCP	1
5	PAFDD	8470-01-564-1701	81337	2-2-1014-101	.BACK, IOTV CARRIER (OUTERSHELL), IOTV GEN II, X-SMALL, UCP	1
5	PAFDD	8470-01-583-9891	81337	2-2-1014-101	.BACK, IOTV CARRIER (OUTERSHELL), IOTV GEN II, X-SMALL, OCP	1
6	PADDD	8470-01-551-8057	3T951	1503-XS	.BACK BALLISTIC INSERT, X-SMALL	1
7	PAFDD	8470-01-576-7903	81337	2-2-1032-101	UNIVERSAL EXTERNAL SIDE PLATE CARRIER, IOTV GEN II, XS-SM, UCP	2
7	PAFDD	8470-01-584-0678	81337	2-2-1032-201	UNIVERSAL EXTERNAL SIDE PLATE CARRIER, IOTV GEN II, XS-SM, OCP	2
8	PAFDD	8470-01-576-8138	81337	2-2-1034-101	UNIVERSAL EXTERNAL SIDE PLATE POUCH, IOTV GEN II, ONE SIZE, UCP	2
8	PAFDD	8470-01-584-0716	81337	2-2-1034-201	UNIVERSAL EXTERNAL SIDE PLATE POUCH, IOTV GEN II, ONE SIZE, OCP	2
9	PAFDD	8470-01-551-8631	81337	2-2-1037-101	RIGHT INTERNAL WAISTBAND, XS-SM, UCP	1
9	PAFDD	8470-01-584-6361	81337	2-2-1037-201	RIGHT INTERNAL WAISTBAND, XS-SM, OCP	1
10	PAFDD	8470-01-551-8620	81337	2-2-1035-101	LEFT INTERNAL WAISTBAND, XS-SM, UCP	1
10	PAFDD	8470-01-584-6006	81337	2-2-1035-201	LEFT INTERNAL WAISTBAND, XS-SM, OCP	1
11	PAFZZ	8305-01-551-8940	81337	2-2-1020-101	CABLE ASSEMBLY, XS-SM, UCP	1
11	PAFZZ	8305-01-584-9370	81337	2-2-1020-101	CABLE ASSEMBLY, XS-SM, OCP	1

END OF FIGURE