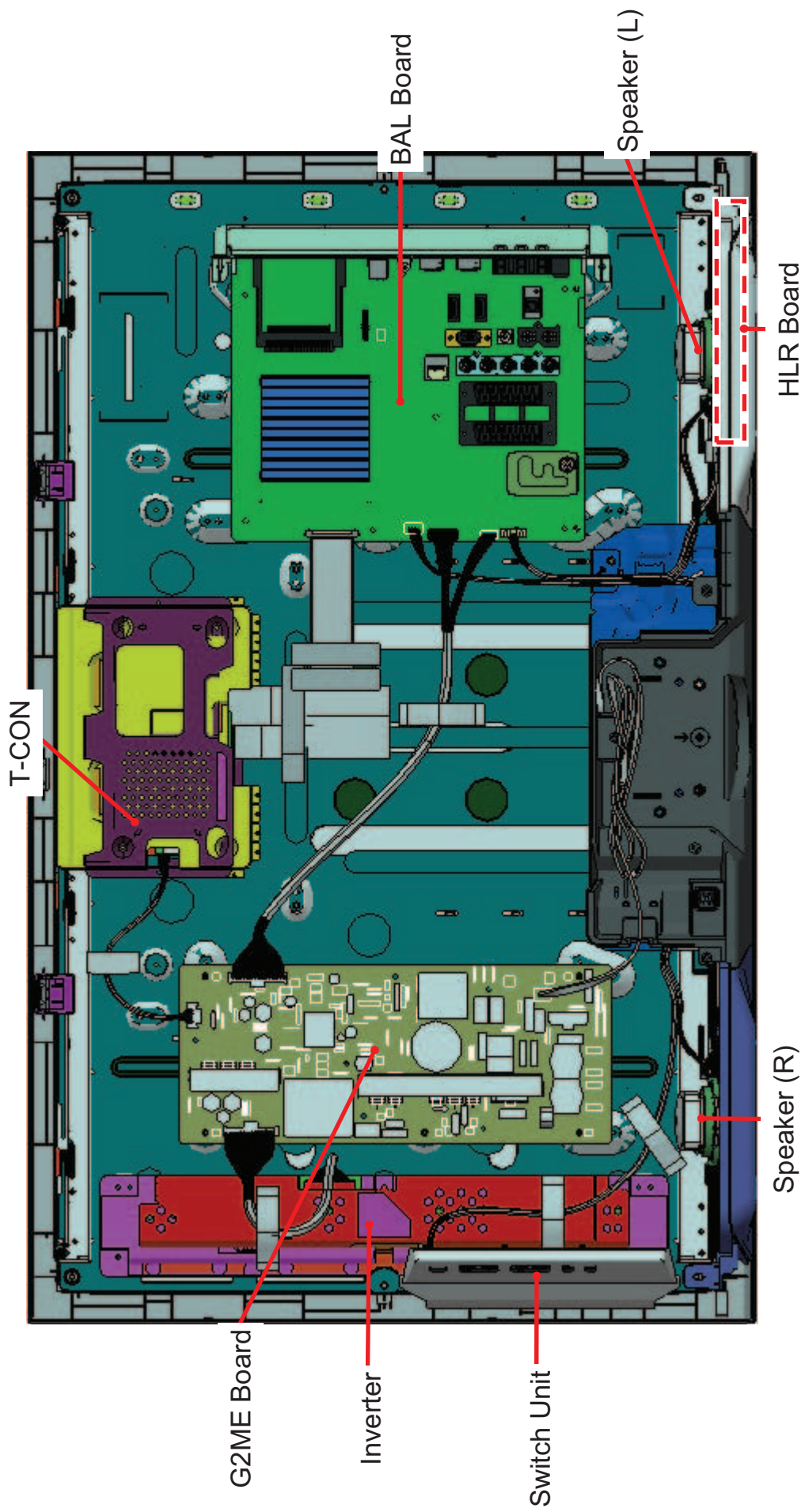


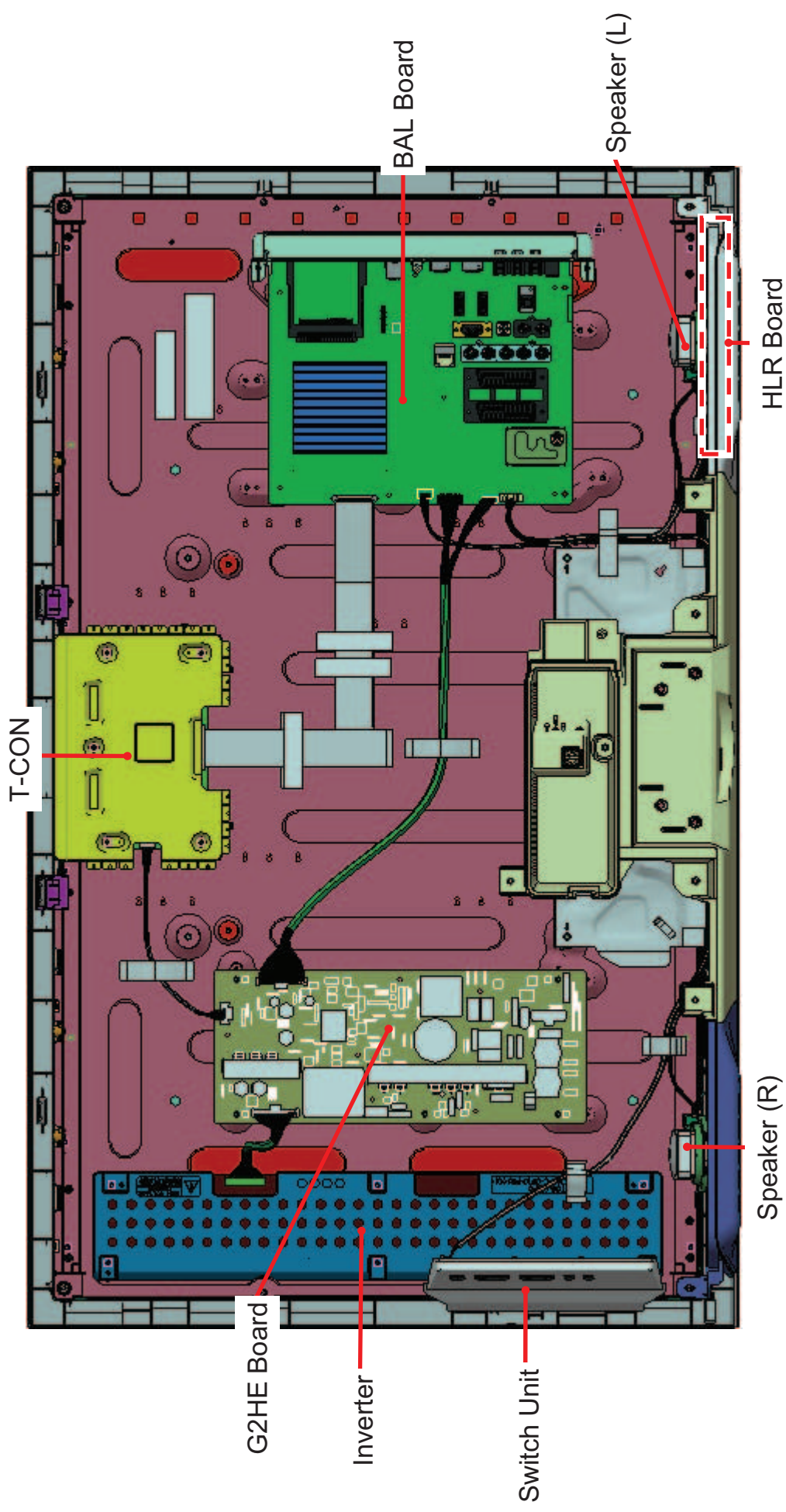
### 4-2. CIRCUIT BOARDS LOCATION

(1) KDL-32EX500 Series



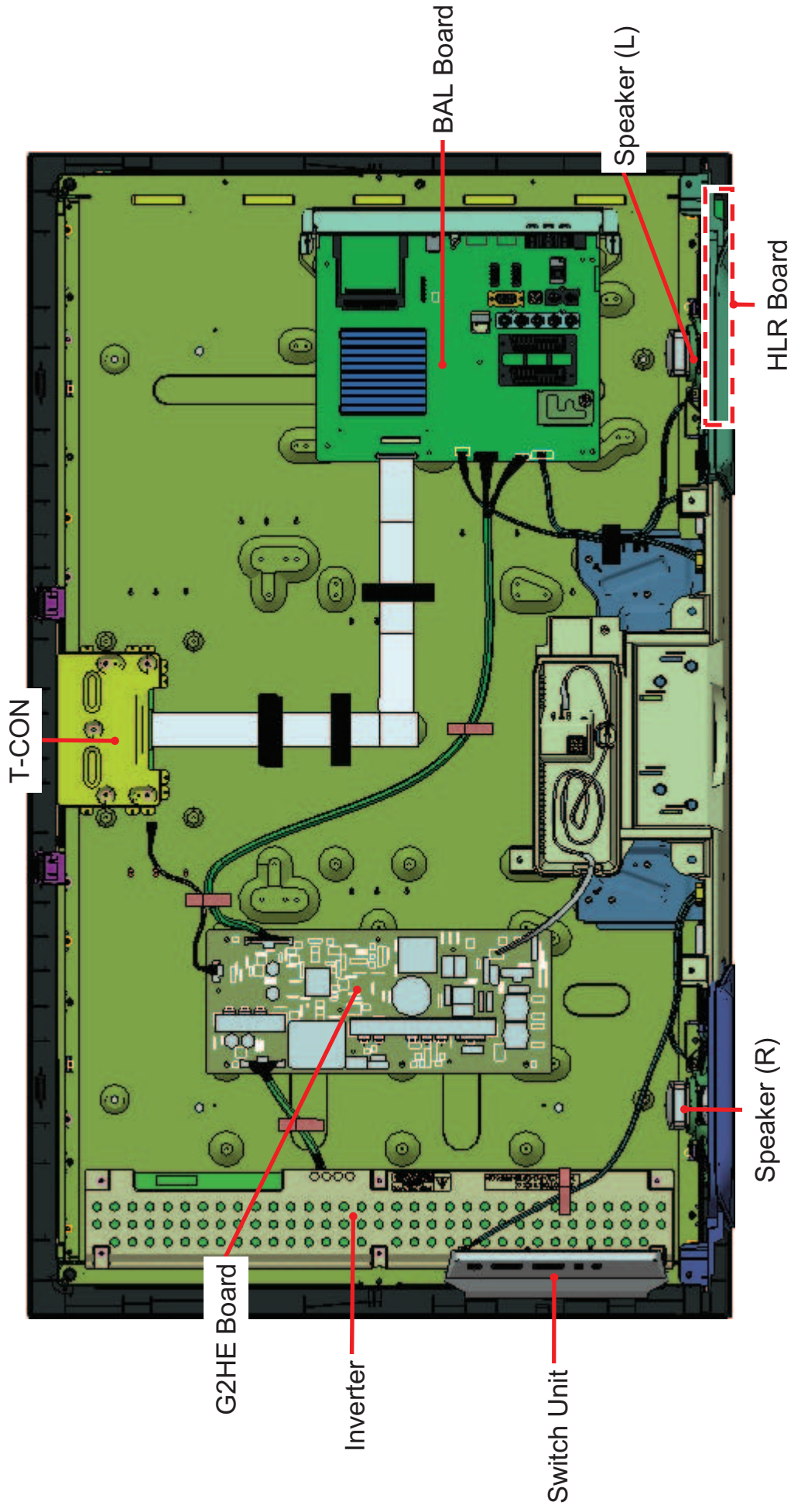
# DIAGRAMS

(2) KDL-37EX500 Series



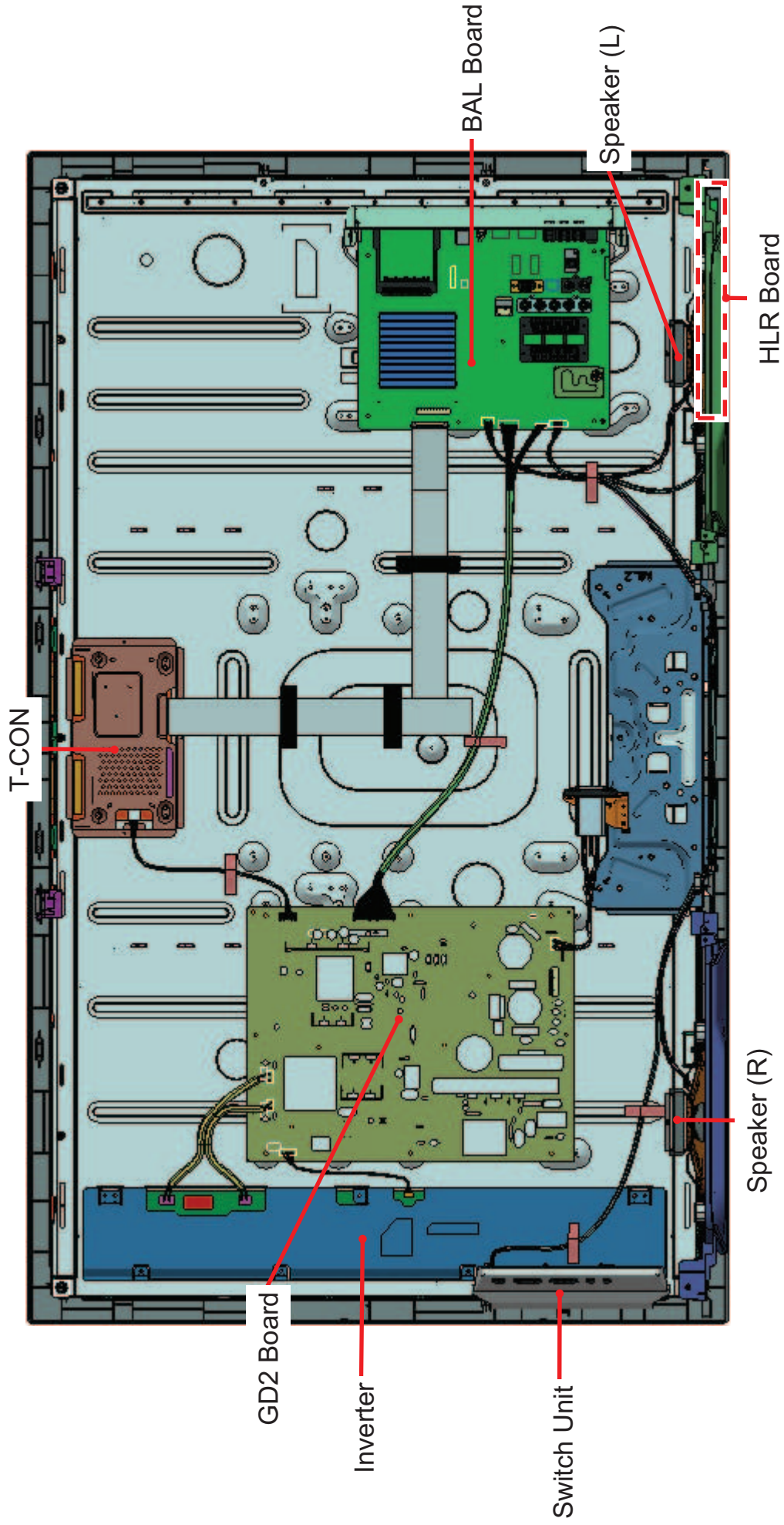
# DIAGRAMS

(3) KDL-40EX500 Series



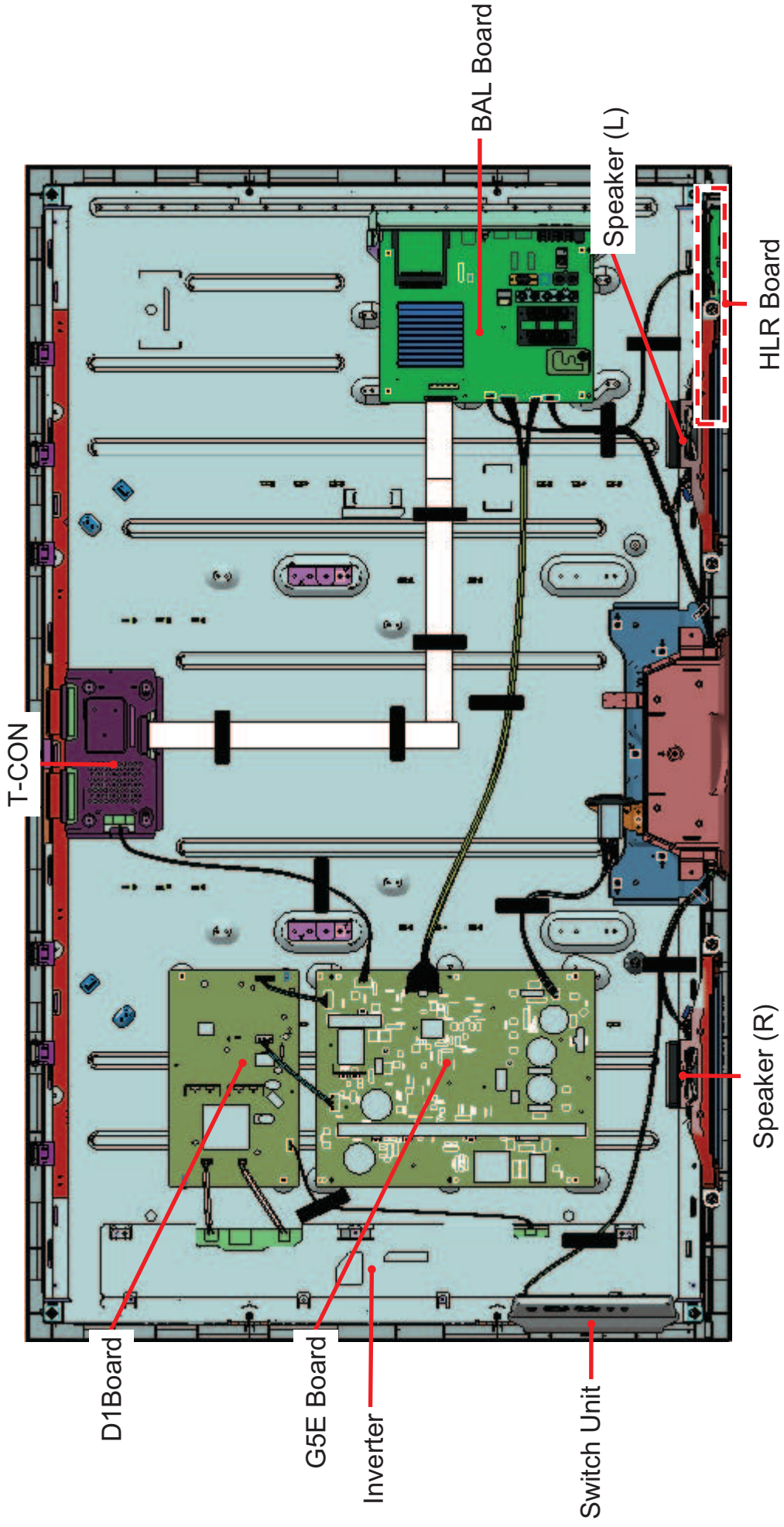
# DIAGRAMS

(4) KDL-46EX500 Series



# DIAGRAMS

(5) KDL-55EX500 Series



# SEC 5. EXPLODED VIEWS

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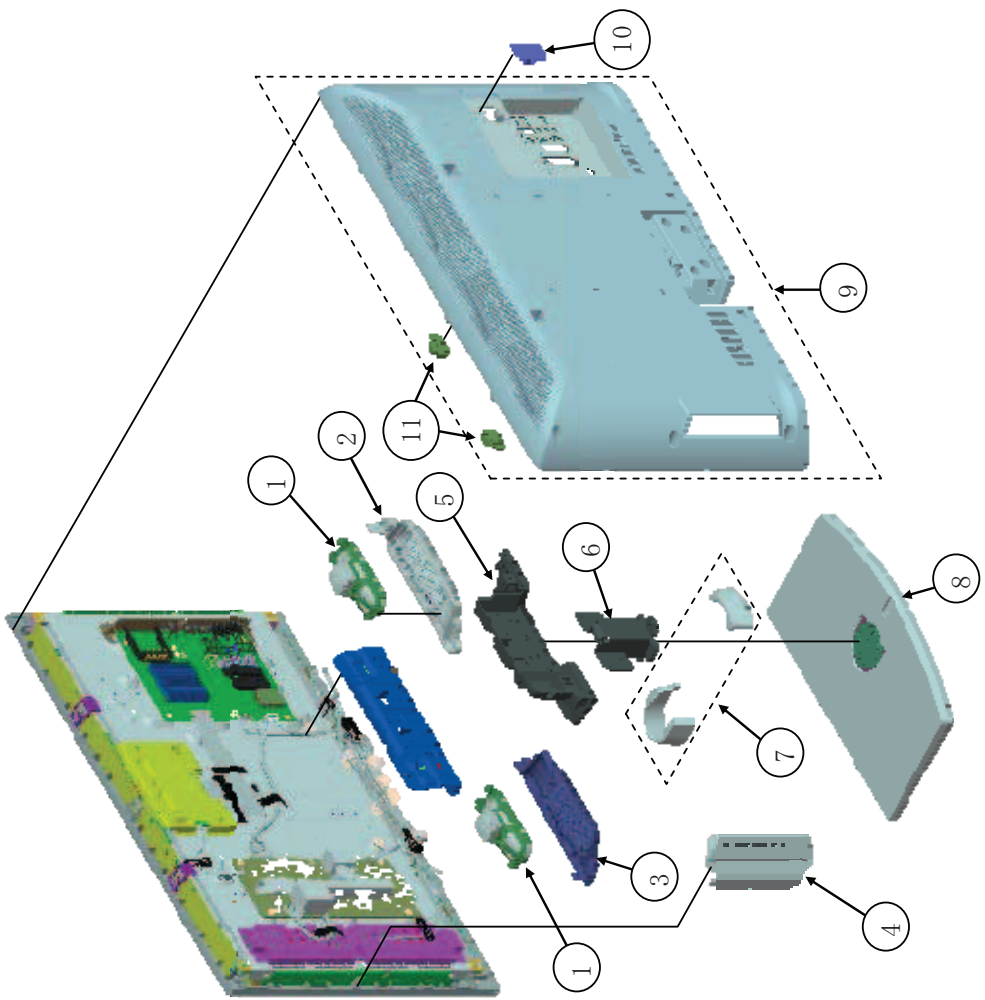
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

The components identified by mark  $\square$  contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

# EXPLODED VIEWS

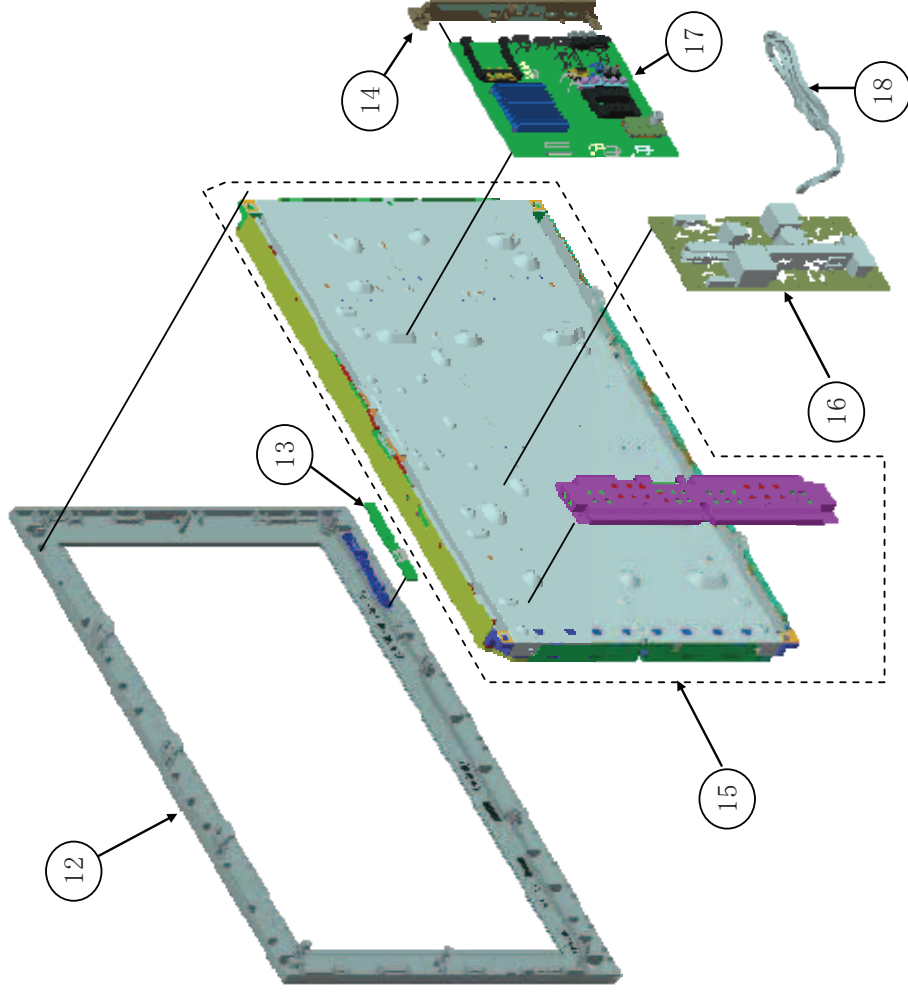
## 5-1. KDL-32EX500 SERIES 5-1-1. CHASSIS-1



REF. No.	PART No.	DESCRIPTION	REMARK
1	1-858-364-22	LOUDSPEAKER (12.5x4.5CM)	
2	4-166-121-11	BRACKET, SP (32L)	
3	4-166-122-11	BRACKET, SP (32R)	
4	1-487-728-11	SWITCH UNIT	
5	4-166-124-11	COVER, UNDER (32)	
6	4-158-349-01	NECK (M3)	
7	X-2546-541-1	COVER (M3) ASSY	
8	X-2546-980-1	BASE (M3) ASSY	
9	X-2546-624-1	REAR COVER (TR32) ASSY	
10	X-2547-420-1	REAR COVER (32_SAT) ASSY	EX505,508
	*3-106-546-51	COVER,ECS	
11	4-167-326-01	BRACKET, VESA (S)	

# EXPLODED VIEWS

## 5-1. KDL-32EX500 SERIES 5-1-1-2. CHASSIS-2



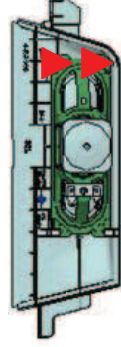
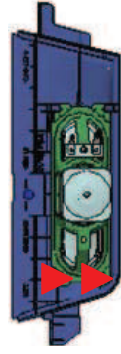
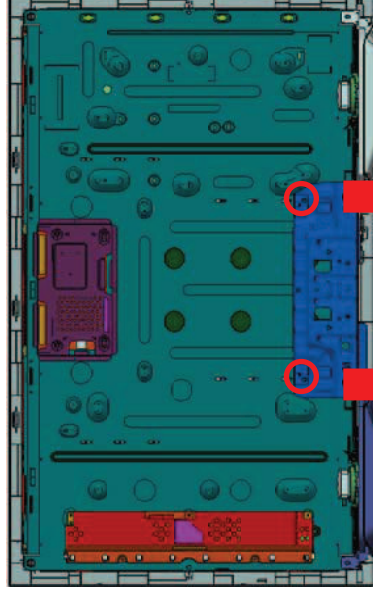
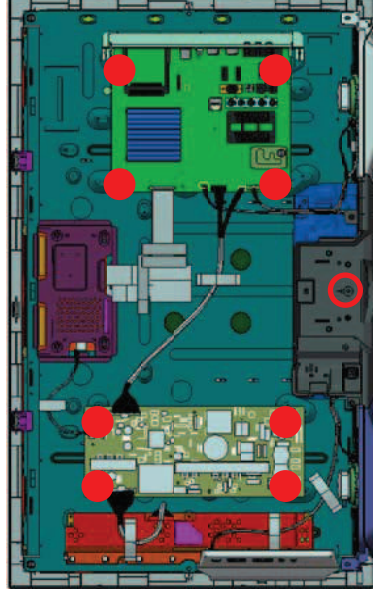
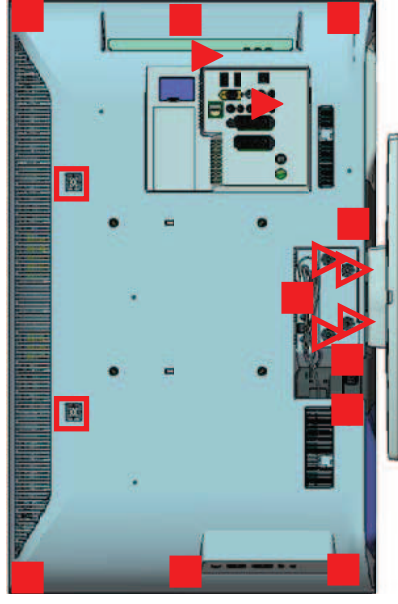
REF. No.	PART No.	DESCRIPTION	REMARK
12	X-2546-599-1	BEZEL ASSY (32TR_MET)	EX500,503,504,505
	X-2546-744-1	BEZEL ASSY (32TR_BCK)	EX501,EX508
13	A-1753-636-A	HLR MOUNT	
14	4-166-268-01	BRACKET, SIDE JACK	
15	1-811-054-11	LCD PANEL (S32TDP)	
16	1-474-201-21	STATIC CONVERTER (TV)	
17	A-1760-331-A	BAL BOARD COMPLETE	EX500,501
	A-1768-994-A	BAL BOARD COMPLETE	EX503
	A-1769-581-A	BAL BOARD COMPLETE	EX505,508
	A-1780-319-A	BAL BOARD COMPLETE	EX504 Ver 2.0
18	1-837-454-11	POWER-SUPPLY CORD	



## 5-1. KDL-32EX500 SERIES

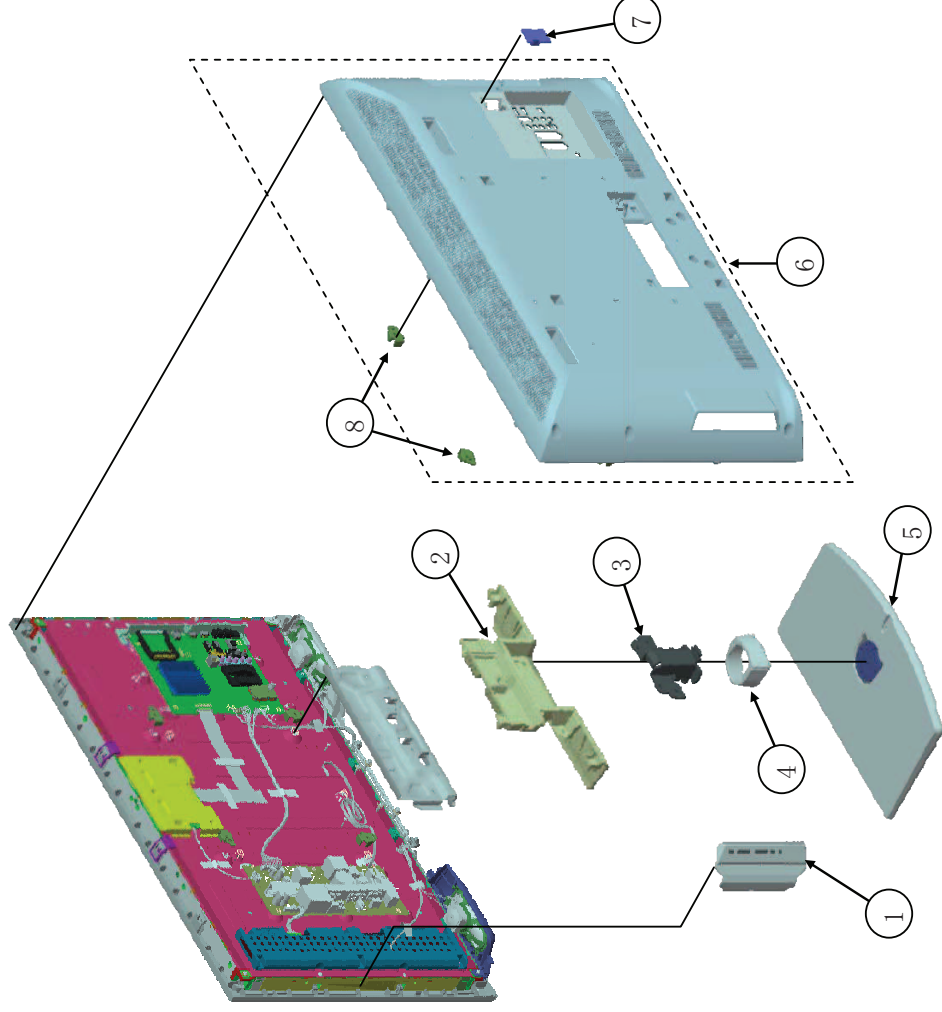
### 5-1-3. SCREWS

PART No.	DESCRIPTION
2-580-640-01	SCREW, +BVTP 4X16 TYPE2 IT-3
2-580-595-01	SCREW, +PSW M3X12
7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3
2-580-608-01	SCREW, +PSW M5X16
2-580-592-01	SCREW, +PSW M3X8
4-159-298-01	SCREW, +PSW M4X10



# EXPLODED VIEWS

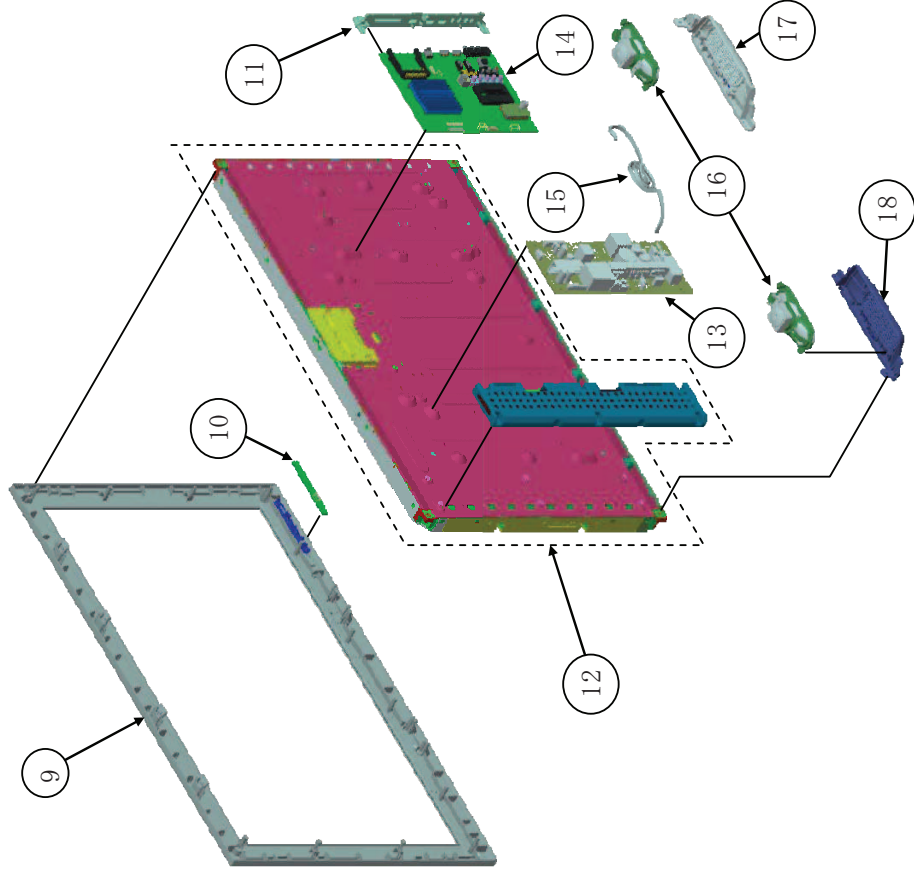
## 5-2. KDL-37EX500 SERIES 5-2-1. CHASSIS-1



REF. No.	PART No.	DESCRIPTION	REMARK
1	1-487-728-11	SWITCH UNIT	
2	4-166-123-11	COVER, UNDER (37)	
3	4-158-350-01	NECK (ML3)	
4	X-2546-541-1	COVER (M3) ASSY	
5	X-2541-845-1	BASE (ML3) ASSY	
6	X-2546-655-1	REAR COVER (TR37) ASSY	
7	X-2547-422-1	REAR COVER (37_SAT) ASSY	EX505
8	*3-106-546-51 4-167-326-01	COVER,ECS BRACKET, VESA (S)	

# EXPLODED VIEWS

## 5-2. KDL-37EX500 SERIES 5-2-2. CHASSIS-2



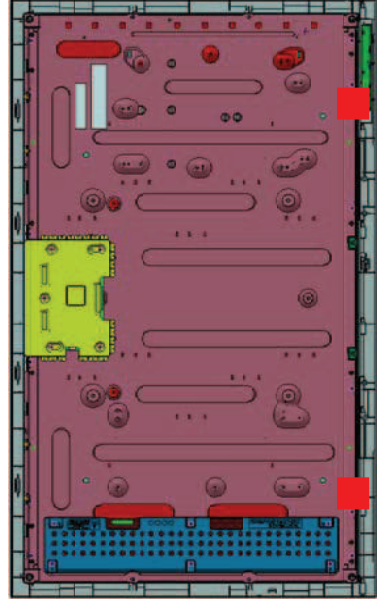
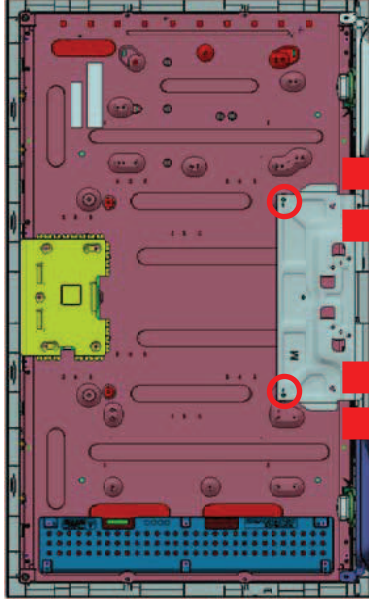
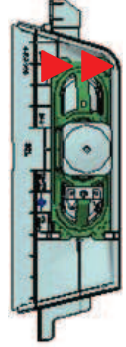
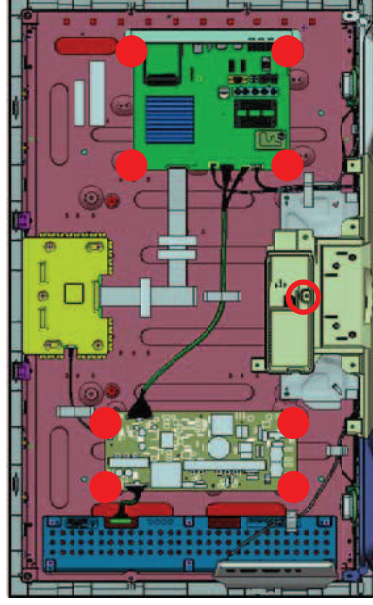
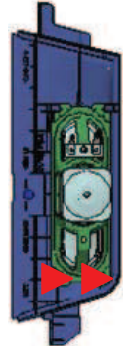
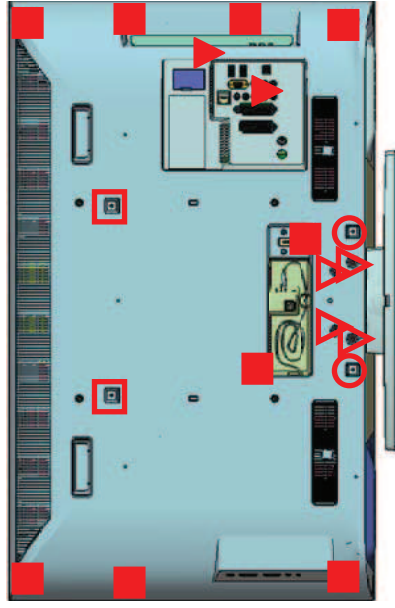
REF. No.	PART No.	DESCRIPTION	REMARK
9	X-2546-657-1	BEZEL ASSY (TR37_MET)	
10	A-1753-636-A	HLR MOUNT	
11	4-166-268-01	BRACKET, SIDE JACK	
12	1-811-077-11	LCD PANEL (A37V9)	
13	1-474-202-21	STATIC CONVERTER (TV)	
14	A-1760-331-A	BAL BOARD COMPLETE	EX500,501
	A-1768-994-A	BAL BOARD COMPLETE	EX503
	A-1769-581-A	BAL BOARD COMPLETE	EX505
	A-1780-319-A	BAL BOARD COMPLETE	EX504 Ver 2.0
15	1-837-454-11	POWER-SUPPLY CORD	
16	1-858-364-22	LOUDSPEAKER (12.5x4.5CM)	
17	4-166-121-11	BRACKET, SP (37L)	
18	4-166-122-11	BRACKET, SP (37R)	

# EXPLODED VIEWS

## 5-2. KDL-37EX500 SERIES

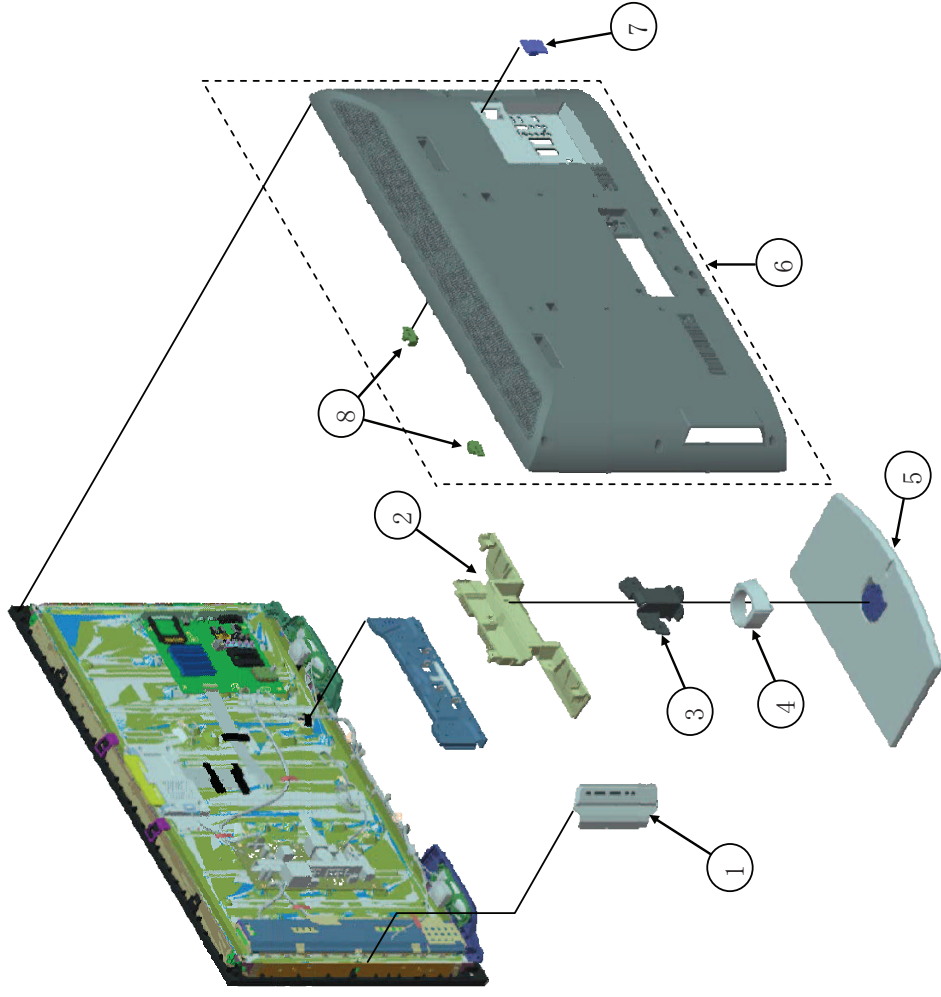
### 5-2-3. SCREWS

PART No.	DESCRIPTION
2-580-640-01	SCREW, +BVTP 4X16 TYPE2 IT-3
2-580-595-01	SCREW, +PSW M3X12
7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3
2-580-608-01	SCREW, +PSW M5X16
2-580-592-01	SCREW, +PSW M3X8
4-159-298-01	SCREW, +PSW M4X10



# EXPLODED VIEWS

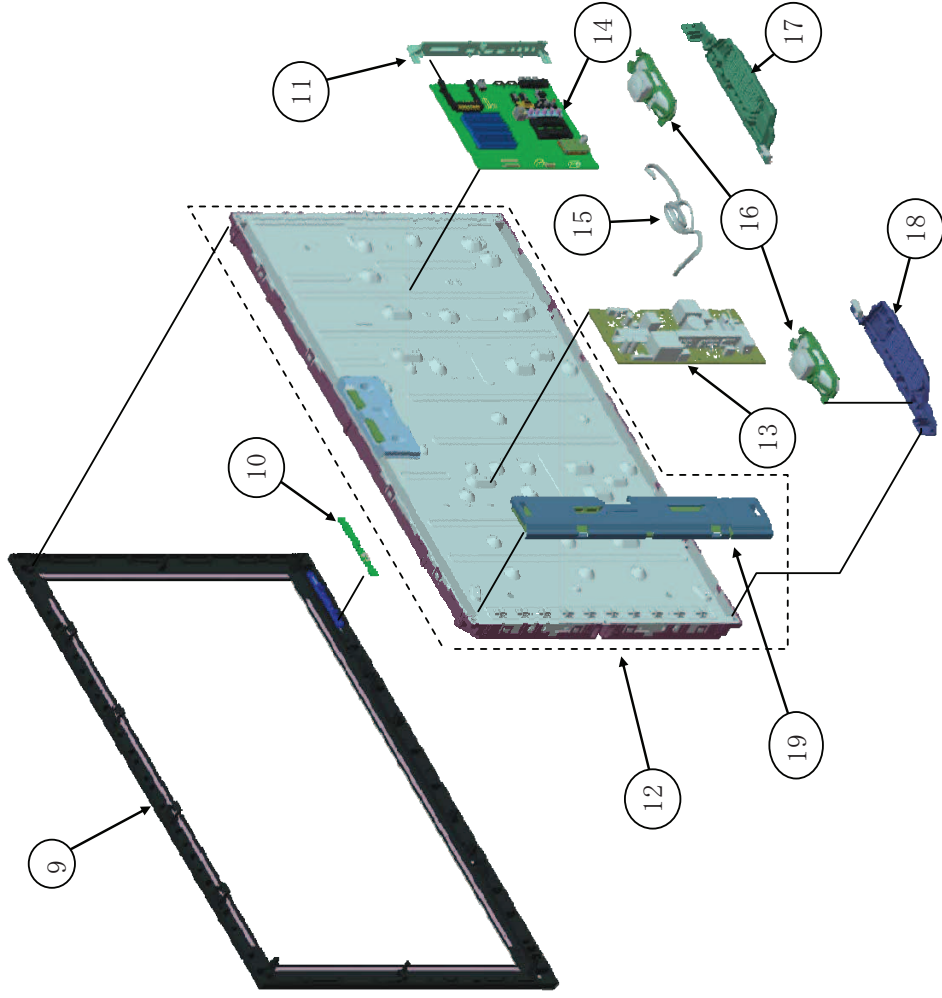
## 5-3. KDL-40EX500 SERIES 5-3-1. CHASSIS-1



REF. No.	PART No.	DESCRIPTION	REMARK
1	1-487-728-11	SWITCH UNIT	
2	4-166-123-11	COVER, UNDER (37)	
3	4-158-350-01	NECK (ML3)	
4	X-2546-541-1	COVER (M3) ASSY	
5	X-2541-845-1	BASE (ML3) ASSY	
6	X-2546-618-1	REAR COVER (TR40) ASSY	
7	X-2547-412-1	REAR COVER (TR40_SAT) ASSY	EX505,508
8	*3-106-546-51	COVER,ECS	
	4-167-326-01	BRACKET, VESA (S)	

# EXPLODED VIEWS

## 5-3. KDL-40EX500 SERIES 5-3-2. CHASSIS-2



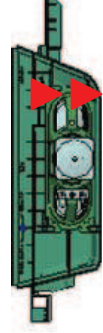
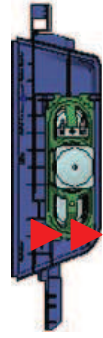
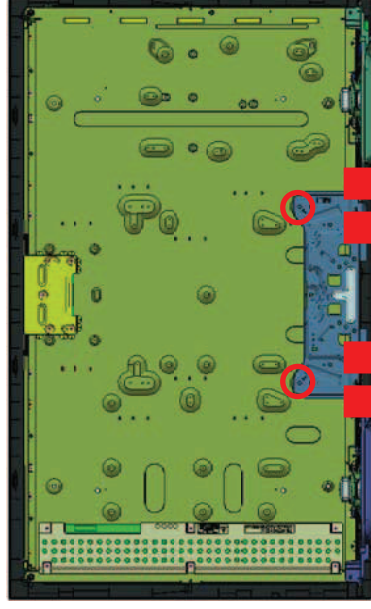
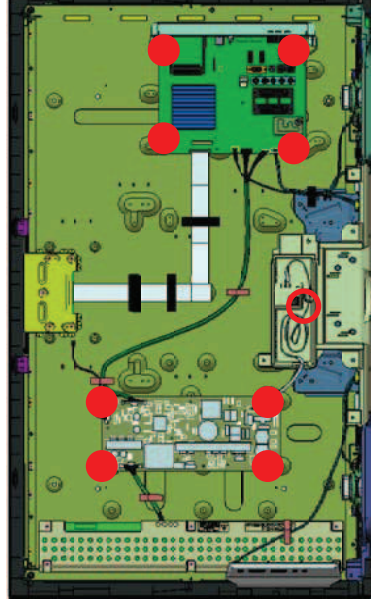
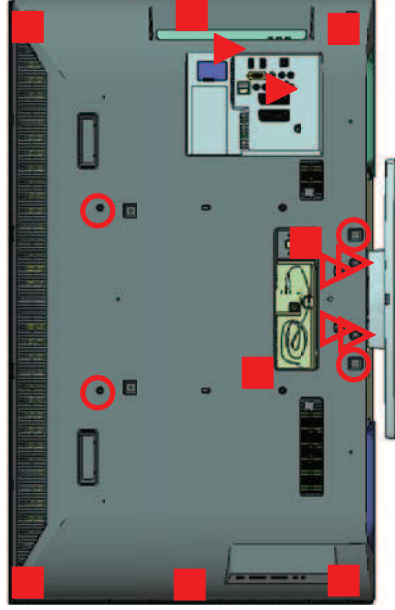
REF. No.	PART No.	DESCRIPTION	REMARK
9	X-2546-615-1	BEZEL ASSY (TR40_MET)	EX500,503,505
	X-2546-769-1	BEZEL ASSY (TR40_BCK)	EX501,508
10	A-1753-636-A	HLR MOUNT	
11	4-166-268-01	BRACKET, SIDE JACK	
12	1-811-055-12	LCD PANEL (S40TDP)	
13	1-474-202-21	STATIC CONVERTER (TV)	
14	A-1760-331-A	BAL BOARD COMPLETE	EX500,501
	A-1768-994-A	BAL BOARD COMPLETE	EX503
	A-1769-581-A	BAL BOARD COMPLETE	EX505,508
15	1-837-454-11	POWER-SUPPLY CORD	
	1-837-455-11	POWER-SUPPLY CORD (UK)	EX503
16	1-858-364-22	LOUDSPEAKER (12.5x4.5CM)	
17	4-166-119-11	BRACKET, SP (40L)	
18	4-166-120-11	BRACKET, SP (40R)	
19	1-857-640-11	INVERTER MT BOARD	

# EXPLODED VIEWS

## 5-3. KDL-40EX500 SERIES

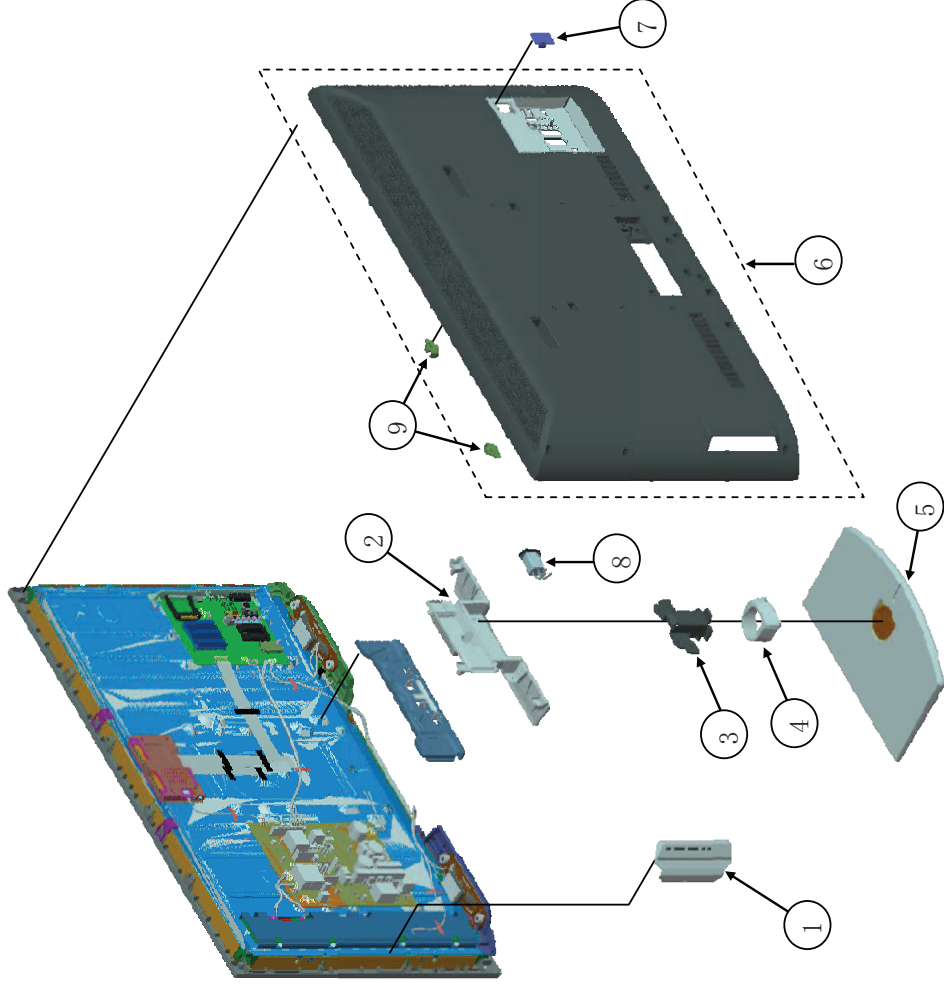
### 5-3-3. SCREWS

PART No.	DESCRIPTION
2-580-640-01	SCREW, +BVTP 4X16 TYPE2 IT-3
2-580-595-01	SCREW, +PSW M3X12
7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3
2-580-608-01	SCREW, +PSW M5X16
2-580-592-01	SCREW, +PSW M3X8
4-159-298-01	SCREW, +PSW M4X10



# EXPLODED VIEWS

## 5-4. KDL-46EX500 SERIES 5-4-1. CHASSIS-1

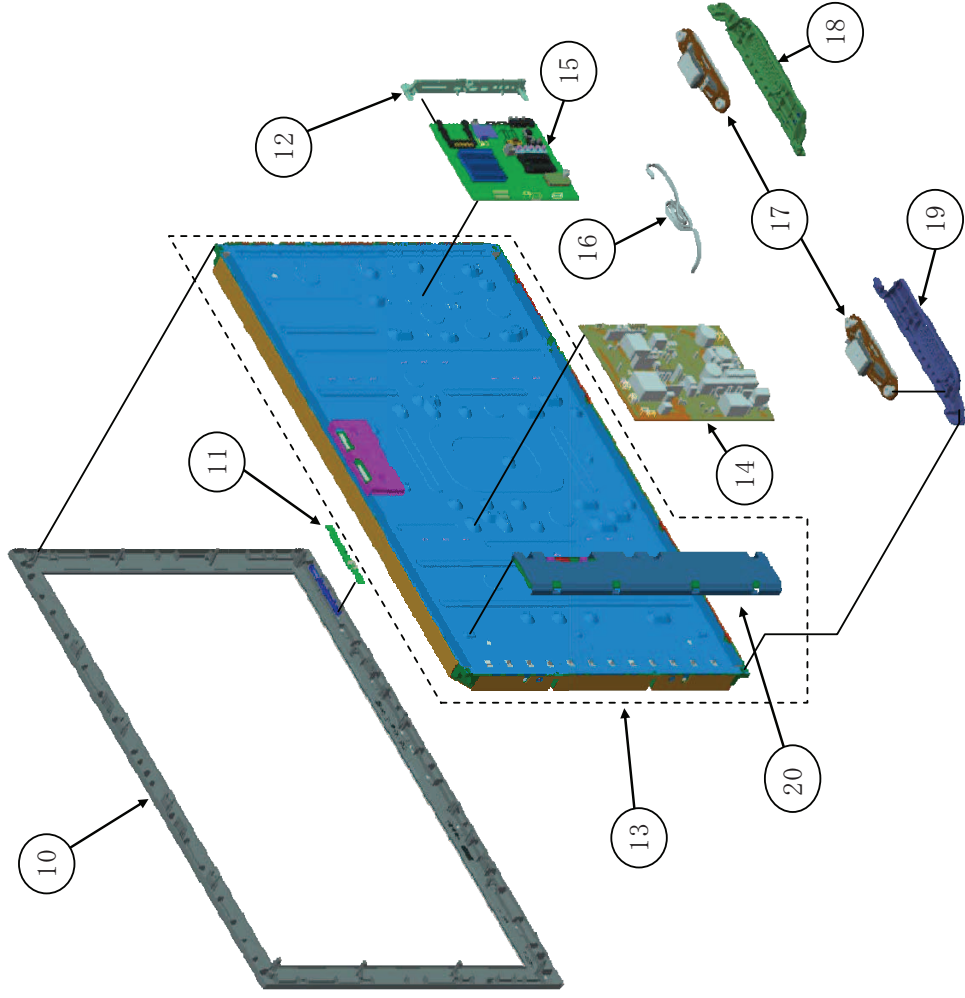


REF. No.	PART No.	DESCRIPTION	REMARK
1	1-487-728-11	SWITCH UNIT	
2	4-166-123-31	COVER, UNDER (37)	
3	4-158-350-01	NECK (ML3)	
4	X-2546-541-1	COVER (M3) ASSY	
5	X-2541-846-1	BASE (L3) ASSY	
6	X-2546-628-1	REAR COVER (TR46) ASSY	
7	X-2547-418-1	REAR COVER (46_SAT) ASSY	EX505
7	*3-106-546-51	COVER,ECS	
8	▲ 1-842-008-11	AC INLET FILTER	
9	4-167-326-01	BRACKET, VESA (S)	



# EXPLODED VIEWS

## 5-4. KDL-46EX500 SERIES 5-4-2. CHASSIS-2

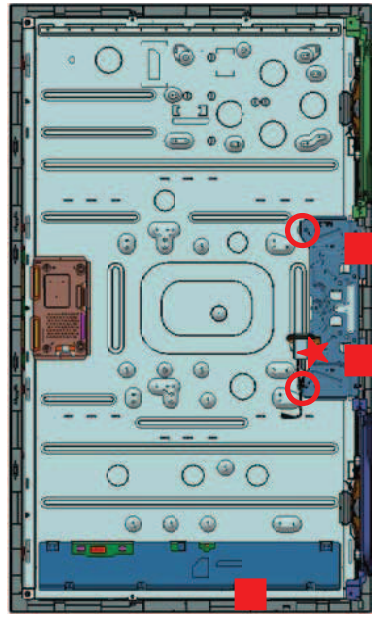
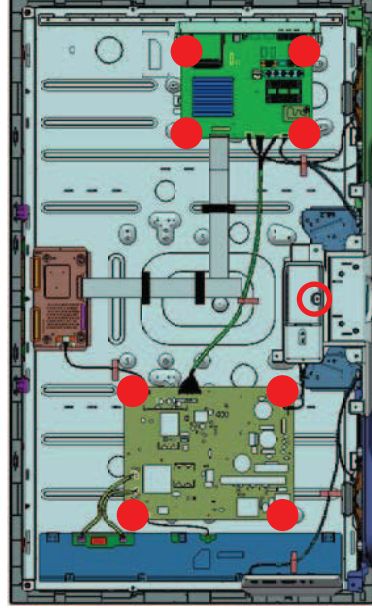
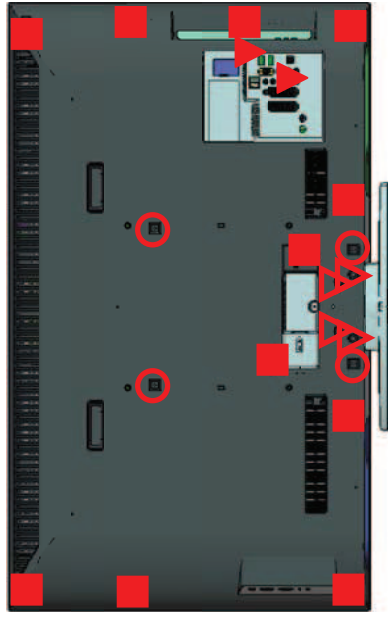


REF. No.	PART No.	DESCRIPTION	REMARK
10	X-2546-629-1	BEZEL ASSY (TR46_MET)	EX500,503,505
	X-2546-746-1	BEZEL ASSY (TR46_BCK)	EX501
11	A-1753-636-A	HLR MOUNT	
12	4-166-268-01	BRACKET, SIDE JACK	
13	1-811-056-12	LCD PANEL (S46TDP)	
14	1-474-205-11	STATIC CONVERTER (TV)-GD2	
15	A-1760-331-A	BAL BOARD COMPLETE	EX500,501
	A-1768-994-A	BAL BOARD COMPLETE	EX503
	A-1769-581-A	BAL BOARD COMPLETE	EX505
16	1-837-639-11	POWER-SUPPLY CORD	EX500,501,505
	1-837-640-11	POWER-SUPPLY CORD	EX503
17	1-858-371-11	LOUDSPEAKER (20x4.5CM)	
18	4-157-973-11	BRACKET, SP (46L)	
19	4-157-974-11	BRACKET, SP (46R)	
20	1-857-643-11	INVERTER MT BOARD	

## 5-4. KDL-46EX500 SERIES

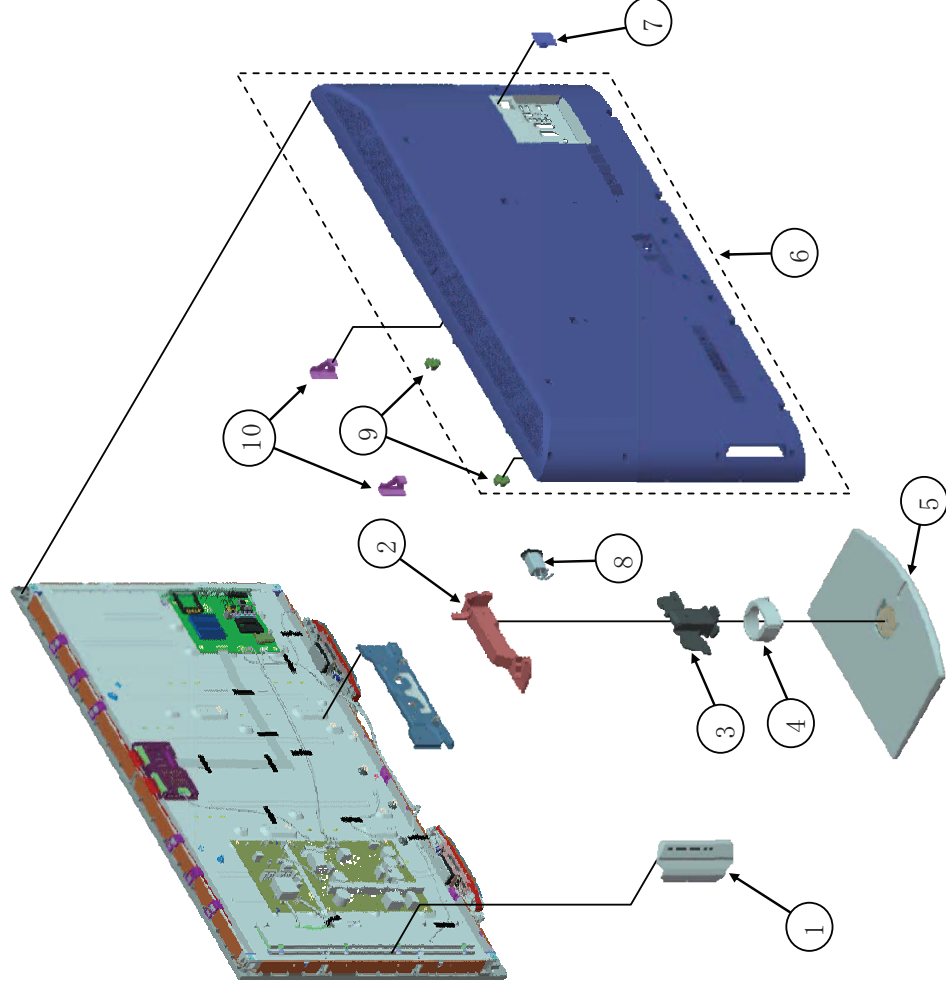
### 5-4-3. SCREWS

PART No.	DESCRIPTION
2-580-640-01	SCREW, +BVTP 4X16 TYPE2 IT-3
2-580-595-01	SCREW, +PSW M3X12
7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3
2-580-608-01	SCREW, +PSW M5X16
2-580-592-01	SCREW, +PSW M3X8
4-159-298-01	SCREW, +PSW M4X10
2-580-629-01	SCREW, +BVST 3X8
4-167-964-01	SCREW, +PWTP2 4X16



# EXPLODED VIEWS

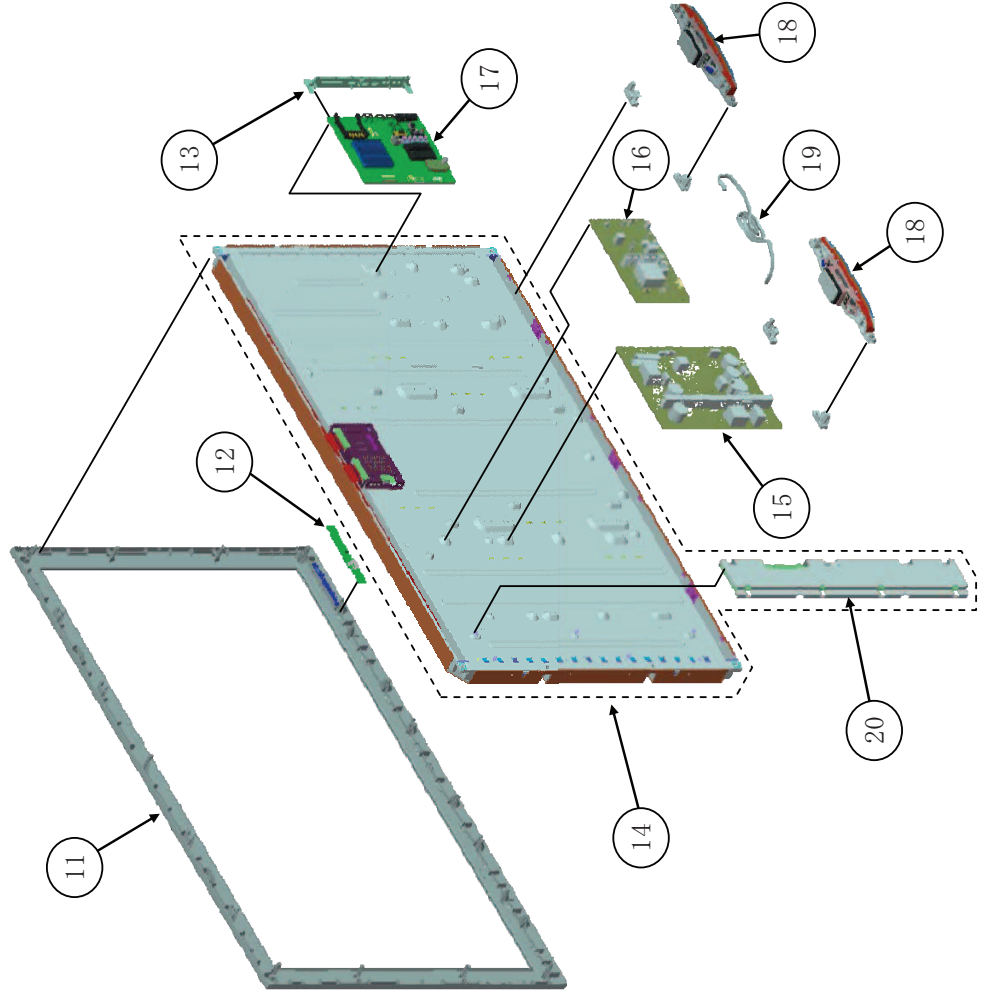
## 5-5. KDL-55EX500 SERIES 5-5-1. CHASSIS-1



REF. No.	PART No.	DESCRIPTION	REMARK
1	1-487-749-11	SWITCH UNIT	
2	4-157-979-11	COVER, UNDER (55)	
3	4-158-351-01	NECK (LL3)	
4	X-2546-543-1	COVER LL3) ASSY	
5	X-2541-847-1	BASE (LL3) ASSY	
6	X-2546-580-1	REAR COVER (55TR) ASSY	
7	X-2547-421-1	REAR COVER (55 SAT) ASSY	EX505
8	*3-106-546-51	COVER,ECS	
9	1-842-009-11	AC INLET FILTER	
10	4-167-326-01	BRACKET, VESA (S)	
	4-156-946-01	BRACKET, VESA (XL)	

# EXPLODED VIEWS

## 5-5. KDL-55EX500 SERIES 5-5-2. CHASSIS-2

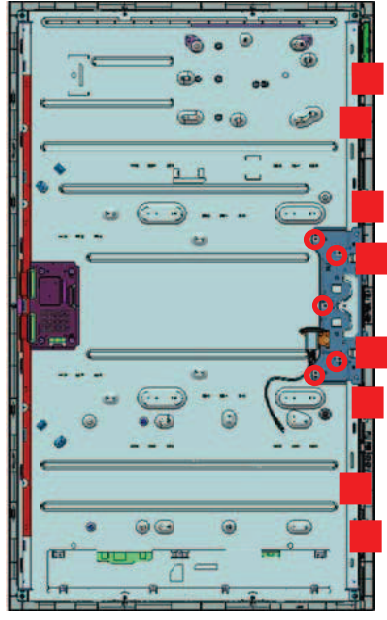
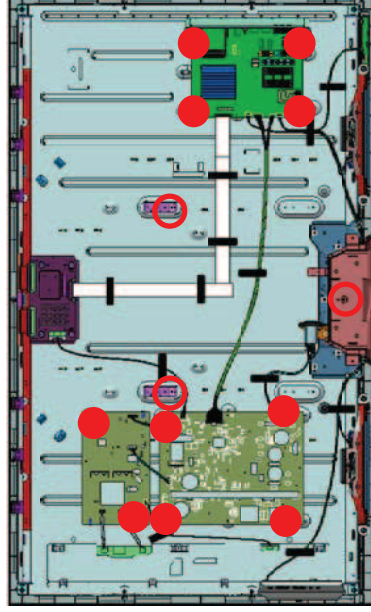
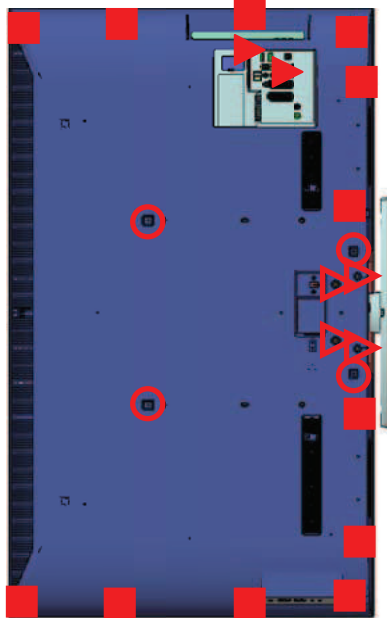


REF. No.	PART No.	DESCRIPTION	REMARK
11	X-2546-579-1	BEZEL ASSY (TR55_MET)	
12	A-1753-636-A	HLR MOUNT	
13	4-166-268-01	BRACKET, SIDE JACK	
14	1-811-057-12	LCD PANEL (S55TDP)	
15	1-474-203-11	STATIC CONVERTER (TV)	
16	1-474-206-11	STATIC CONVERTER (TV)-D1	
17	A-1760-331-A	BAL BOARD COMPLETE	EX500, EX501
	A-1768-994-A	BAL BOARD COMPLETE	EX503
	A-1769-581-A	BAL BOARD COMPLETE	EX505
18	1-858-354-11	LOUDSPEAKER	
19	1-837-639-11	POWER-SUPPLY CORD	EX500, 501, 505
	1-837-640-11	POWER-SUPPLY CORD	EX503
20	1-857-653-11	INVERTER MT BOARD	

## 5-5. KDL-55EX500 SERIES

### 5-5-3. SCREWS

PART No.	DESCRIPTION
2-580-640-01	SCREW, +BVTP 4X16 TYPE2 IT-3
2-580-595-01	SCREW, +PSW M3X12
7-685-648-79	SCREW +BVTP 3X12 TYPE2 IT-3
2-580-608-01	SCREW, +PSW M5X16
2-580-592-01	SCREW, +PSW M3X8
4-159-298-01	SCREW, +PSW M4X10
2-580-629-01	SCREW, +BVST 3x8



## 5-6. OTHER PARTS

### 5-6-1. ACCESSORIES and CONNECTORS

#### 32 INCHES

1-837-517-11 FLEXIBLE FLAT CABLE (CN2600-TCON)  
 \*1-910-060-06 HARNESS ASSY (CN2602,CN4300-CN001,SW,SP)  
 \*1-910-060-07 CONNECTOR ASSY 15P (CN6401-CN2561,CN3800)  
 \*1-910-060-08 CONNECTOR ASSY 14P (CN6402-BALANCER)  
 \*1-910-060-09 CONNECTOR ASSY 6P (CN6403-TCON)

#### 37 INCHES

1-837-519-11 FLEXIBLE FLAT CABLE (CN2600-TCON)  
 \*1-910-060-10 HARNESS ASSY (CN2602,CN4300-CN001,SW,SP)  
 \*1-910-060-11 CONNECTOR ASSY 15P (CN6401-CN2561,CN3800)  
 \*1-910-060-12 CONNECTOR ASSY 14P (CN6402-BALANCER)  
 \*1-910-060-13 CONNECTOR ASSY 6P (CN6403-TCON)

#### 40 INCHES

1-837-521-11 FLEXIBLE FLAT CABLE (CN2600-TCON)  
 \*1-910-060-14 HARNESS ASSY (CN2602,CN4300-CN001,SW,SP)  
 \*1-910-060-15 CONNECTOR ASSY 15P (CN6401-CN2561,CN3800)  
 \*1-910-060-16 CONNECTOR ASSY 14P (CN6402-BALANCER)  
 \*1-910-060-17 CONNECTOR ASSY 6P (CN6403-TCON)

#### 46 INCHES

1-837-523-11 FLEXIBLE FLAT CABLE (CN2600-TCON)  
 \*1-910-060-18 HARNESS ASSY (CN2602,CN4300-CN001,SW,SP)  
 \*1-910-060-19 CONNECTOR ASSY 15P (CN6150-CN2561,CN3800)  
 \*1-910-060-20 CONNECTOR ASSY 5P (CN6702-BALANCER)  
 \*1-910-060-21 CONNECTOR ASSY 6P (CN6151-TCON)

#### 55 INCHES

\*1-836-742-11 CONNECTOR ASSY (CN6301-CN6600)  
 \*1-837-322-11 CONNECTOR ASSY (CN6705-BALANCER)  
 \*1-837-324-11 CONNECTOR ASSY (CN6704-BALANCER)  
 1-837-524-11 FLEXIBLE FLAT CABLE (CN6200-TCON)  
 \*1-910-060-22 HARNESS ASSY 15P (CN2602,CN3400-CN001,SW,SP)  
 \*1-910-060-23 CONNECTOR ASSY 15P (CN6201-CN2561,CN3800)  
 \*1-910-060-24 CONNECTOR ASSY 5P (CN6702-BALANCER)  
 \*1-910-060-25 CONNECTOR ASSY 6P (CN6403-TCON)  
 \*1-910-060-26 CONNECTOR ASSY 6P (CN6401-CN6703)

## 5-6-2. INSTRUCTION MANUALS

*4-174-985-21	MANUAL, INSTRUCTION	EX500, EX501, EX504
*4-174-985-31	MANUAL, INSTRUCTION	EX500, EX501
*4-174-989-71	MANUAL, INSTRUCTION	EX505, EX508
*4-174-990-11	MANUAL, INSTRUCTION	EX503

## 5-6-3. REMOTE COMMANDER

1-487-700-11	REMOTE COMMANDER (RM-ED035)	
1-487-758-11	REMOTE COMMANDER (RM-ED033)	EX508

## 5-6-4. MISCELLANEOUS

1-822-482-11	HDMI CONNECTOR (REAR)	1-822-580-41	CONNECTOR DUAL SCART
1-822-484-11	HDMI CONNECTOR (SIDE)	1-822-581-12	MULTIPLE PHONO JACK 4P
1-822-525-21	OPTICAL OUT CONNECTOR	1-842-010-11	JACK
1-821-827-21	D SUB CONNECTOR	1-822-524-21	PHONO JACK 2P
1-821-868-11	ETHERNET CONNECTOR(8P)	1-842-096-11	PHONO JACK 5P
1-821-834-12	USB CONNECTOR		
1-822-579-31	CARD CONNECTOR (PCMCIA CARD)		

# END

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**9-888-265-02**

KDL-32/37/40/46/55EX500 Series(AEP/UK)

**Sony Corporation  
Sony UK  
Service Promotions Dept.**

**English**  
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