# Product End-of-Life Disassembly Instructions

**Product Category:** Personal Computers

**Marketing Name / Model**

[List multiple models if applicable.]

HP ProOne 480 G3 Non-Touch All-in-One Business PC

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**Purpose:** The document is intended for use by end-of-life recyclers or treatment facilities. It provides the basic instructions for the disassembly of HP products to remove components and materials requiring selective treatment, as defined by EU directive 2002/96/EC, Waste Electrical and Electronic Equipment (WEEE).

## 1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment.

1.2 Enter the quantity of items contained within the product which require selective treatment in the right column, as applicable.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Notes</th>
<th>Quantity of items included in product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)</td>
<td>With a surface greater than 10 sq cm</td>
<td>1</td>
</tr>
<tr>
<td>Batteries</td>
<td>All types including standard alkaline and lithium coin or button style batteries</td>
<td>1</td>
</tr>
<tr>
<td>Mercury-containing components</td>
<td>For example, mercury in lamps, display backlights, scanner lamps, switches, batteries</td>
<td>0</td>
</tr>
<tr>
<td>Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm</td>
<td>Includes background illuminated displays with gas discharge lamps</td>
<td>1</td>
</tr>
<tr>
<td>Cathode Ray Tubes (CRT)</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Capacitors / condensers (Containing PCB/PCT)</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td>Power cord</td>
<td>1</td>
</tr>
<tr>
<td>Gas Discharge Lamps</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Plastics containing Brominated Flame Retardants weighing &gt; 25 grams (not including PCBs or PCAs already listed as a separate item above)</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Components and parts containing toner and ink, including liquids, semi-liquids (gel/paste) and toner</td>
<td>Include the cartridges, print heads, tubes, vent chambers, and service stations.</td>
<td>0</td>
</tr>
<tr>
<td>Components and waste containing asbestos</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Components, parts and materials containing</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>
refractory ceramic fibers

Components, parts and materials containing radioactive substances

<table>
<thead>
<tr>
<th>2.0 Tools Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>List the type and size of the tools that would typically be used to disassemble the product to a point where components and materials requiring selective treatment can be removed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tool Description</th>
<th>Tool Size (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric screwdriver (Torx)</td>
<td>T15, Torx</td>
</tr>
<tr>
<td>Electric screwdriver (Cross)</td>
<td>#0, Cross</td>
</tr>
<tr>
<td>Plastic stick</td>
<td></td>
</tr>
<tr>
<td>Description #4</td>
<td></td>
</tr>
<tr>
<td>Description #5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3.0 Product Disassembly Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1 List the basic steps that should typically be followed to remove components and materials requiring selective treatment:</td>
</tr>
</tbody>
</table>

1. Follow steps described in Disassembly instruction (file attached)
2. If parts can be removed without using a tool, remove it first
3. Use correct screwdriver and torque value before unlock the screw.
4.
5.
6.
7.
8.
9.

3.2 Optional Graphic. If the disassembly process is complex, insert a graphic illustration below to identify the items contained in the product that require selective treatment (with descriptions and arrows identifying locations).
### A. Current station version list:

<table>
<thead>
<tr>
<th>Station</th>
<th>Version</th>
<th>Station</th>
<th>Version</th>
<th>Station</th>
<th>Version</th>
<th>Station</th>
<th>Version</th>
<th>Station</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.00</td>
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<tr>
<td>5</td>
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<td>1.00</td>
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</table>

### B. Version Modify list:

<table>
<thead>
<tr>
<th>Date</th>
<th>Station</th>
<th>Content</th>
<th>Ver.</th>
<th>Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017/5/23</td>
<td>ALL</td>
<td>First version</td>
<td>1.**</td>
<td>Porter Zan</td>
</tr>
</tbody>
</table>

**Sub-assembly name:** Pyxis400 DISASS'Y SOP  
**Document No.:** Pyxis400 DISASS'Y SOP  
**Written by:** Ethan Lai  
**Date:** 2017/5/23  
**Revision:** 1.00  
**Page:** 1 of 1
Glove Requirements: Half-fingered gloves

Steps:

1. Take out Stand and put into the material box (Fig. 1).
   - Follow the steps as Fig. 1, push the latch upward, then pull up the hinge.

2. Pull open Rear Cover (Fig. 2, 3).
   - Follow the steps as Fig. 2 & 3, use the stick to pull open the region of gap for lever force to unfix Rear Cover.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic stick</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Standard Operation Procedure

Document No. : Pyxis400 DISASS’Y SOP
Operation Name : Take out Rear Cover

Steps :

1. Take out Rear Cover (Fig. 1, 2, 3).
   ❖ Follow the steps as Fig. illustrated.
   ❖ Have one hand to hold the system, and the other hand to pull the edge of Rear Cover for release.

2. Put Rear Cover into the material box.

Glove Requirements: Half-fingered gloves

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
</table>

Tabulator : Xin-Xin Chen          Auditor : Ethan Lai          Issue Department : NPSU-PPE
Glove Requirements: Full-fingered gloves

Steps:

1. Unscrew (Torx Pin-Head \(\times 4\)) all joints to take out M/B shielding (Fig. 1).
   - Torsion: \(4.0 \pm 1.0\) kgf.cm
   - Take the screwdriver vertically to the screw holes.
   - The screw holes are marked in red circles.

**Fig. 1**

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-6000MS)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bits Type: T15, (\varphi=5) mm, (L=60) mm</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: If finding anything uncommon, notice foreman or assistant at once.
Standard Operation Procedure

Document No. : Pyxis400 DISASS’Y SOP  Station : 4(1/1)
Operation Name : Take out Thermal Module  Ver. : 1.00  Date : 2017/5/23

Glove Requirements: Full-fingered gloves

Steps:

1. Unscrew (Torx Pin-Head ×5) all joints to take out Thermal Module (Fig. 1).
   - Torsion: 4.0 ± 1.0 kgf·cm
   - Take the screwdriver vertically to the screw holes.

2. Put Thermal Module into the material box.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-6000MS)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bits Type: T15,φ=5mm,L=60mm</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fig. 1
Glove Requirements: Half-finger gloves

Steps:

1. Take out HDD (Fig. 1).
   - Pull open the HDD bracket softly to the right, and push upward HDD to disconnect, then put it into the material box.

2. Take out ODD (Fig. 2).
   - Press the latch and push ODD to the left simultaneously to disconnect, then put ODD into the material box.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
</table>

Tabulator: Xin-Xin Chen   Auditor: Ethan Lai   Issue Department: NPSU-PPE
Standard Operation Procedure

Document No. : Pyxis400 DISASS’Y SOP
Operation Name : Take out I/O board

Glove Requirements: Half-fingered gloves

Steps:

1. Unscrew (Torx Pin-Head ×2) all joints to take out I/O board and disconnect I/O cable (Fig. 1, 2).
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.
   - Put I/O board and two screws into the material box.

2. Be careful not to make the pin heads of the I/O connector are crooked (Fig. 3).
   - Pull out the I/O cable vertically from the top of the I/O connector.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-3000MS)</td>
<td>1</td>
<td>Bits Type: T15, φ=5mm, L=60mm</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator: Xin-Xin Chen  Auditor: Ethan Lai  Issue Department: NPSU-PPE
Glove Requirements: Half-finger gloves

Steps:

1. Take out DDR and put it into the material box (Fig. 1).
   - Expand the springs on both sides of the DDR socket.
2. Take out CPU illustrated as Fig. 2, then put it into the tray.
   - Don’t touch the pin heads of CPU.
   - Open the bracket by pulling off the link and take out CPU.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ion fan</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPU DISASS’Y fixture</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Xin-Xin Chen  Auditor: Ethan Lai  Issue Department: NPSU-PPE
Steps:

1. Unscrew (×5) all joints of Vesa Mount illustrated as Fig. 1.
   - Torsion: $6.0 \pm 1.0$ kgf.cm
   - Take the screwdriver vertically to the screw holes.
   - Put the screws into the material box.

2. Follow the angle of the red line to take out Vesa Mount (Fig. 2).

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-6000MS)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bits Type: T15, $\varphi=5$ mm, $L=60$ mm</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Glove Requirements: Half-finger gloves

Steps:

1. Disconnect cables from the connectors of M/B side, including Sate Power cable, ODD cable and HDD cable (Fig. 1).
   - Pull out cables vertically from the top of connectors.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic stick</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: If finding anything uncommon, notice foreman or assistant at once.

Tabulator: Xin-Xin Chen  | Auditor: Ethan Lai  | Issue Department: NPSU-PPE
Glove Requirements: Half-finger gloves

Steps:

1. Follow the locations of cables from top to bottom illustrated as Fig. 1 to take out cables.

2. Unscrew the screws (Torx Pin-Head ×2) illustrated as Fig. 1.
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-4000MS)</td>
<td>1</td>
<td>Bits Type: T15, φ=5mm, L=60mm</td>
<td>1</td>
</tr>
</tbody>
</table>
Standard Operation Procedure

Document No. : Pyxis400 DISASS’Y SOP  Station : 11(1/1)
Operation Name : Take out Top Vent  Ver. : 1.00  Date : 2017/5/23

Glove Requirements: Half-finger gloves

Steps:

1. Unscrew (Torx Pin-Head ×5) all joints of Top Vent (Fig. 1).
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

2. Follow the direction of the red arrow to take out Top Vent (Fig. 1).
   - Take out Top Vent moderately to prevent damaging it.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-4000MS)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bits Type: T15, φ=5mm, L=60mm</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fig. 1
Steps:

1. Unscrew (×3) all joints of FAN (Fig. 1).
   - **Torsion**: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

2. Disconnect FAN cable and LVDS cable, then take out FAN (Fig. 1).
   - Pull out FAN cable from the hook carefully.

Glove Requirements: Half-finger gloves

**Fixtures list (Specification)**

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-4000MS)</td>
<td>1</td>
</tr>
<tr>
<td>Bits Type: T15,φ=5mm,L=60mm</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: If finding anything uncommon, notice foreman or assistant at once.
Glove Requirements: Half-finger gloves

**Steps:**

1. Tear off the acetate tape (Fig. 1).

2. First disconnect WLAN antennas, then unscrew (Cross ×1) one screw to take out WLAN card (Fig. 2, 3).
   - Torsion: 2.5 ± 0.5 kgf.cm
   - Take the screwdriver vertically to the screw holes.

**Note:** If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-3000MS) Bits Type: #0,Cross,φ=5mm,L=60mm</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>
Glove Requirements: Half-finger gloves

Steps:

1. Pull out Backlight cable from the hooks, then pull out it vertically from the top of connector on M/B (Fig. 1, 2).
   - Be careful not to make the pin heads of the connector are crooked.
   - Tear off the acetate tape (Fig. 2).

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
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</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

Tabulator: Xin-Xin Chen  Auditor: Ethan Lai  Issue Department: NPSU-PPE
Glove Requirements: Half-finger gloves

Steps:

1. Disconnect CCD cable and touch cable from the connectors of M/B side, then pull out them from the hooks (Fig. 1).
   - Pull out the cables vertically from the top of connectors on M/B.
   - Pull out the cables moderately to prevent damaging.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
</table>

Fig. 1

Tabulator: Xin-Xin Chen  Auditor: Ethan Lai  Issue Department: NPSU-PPE
Standard Operation Procedure

Document No. : Pyxis400 DISASS’Y SOP  
Operation Name : Take out SIDE BAND-R & unscrewing  
Station : 16(1/1)  
Ver. : 1.00  
Date : 2017/5/23

Glove Requirements: Half-finger gloves

Steps:

1. Unscrew (×4) all joints illustrated as Fig. 1.
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

2. Take out SIDE BAND-R (Fig. 2).
   - Follow the direction of the red arrow to take out SIDE BAND-R carefully.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-4000MS)</td>
<td>1</td>
<td>Bits Type: T15, φ=5mm, L=60mm</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator: Xin-Xin Chen  
Auditor: Ethan Lai  
Issue Department: NPSU-PPE
Steps:

1. Unscrew (×2) all joints illustrated as Fig. 1.
   - Torsion: $4.0 \pm 1.0$ kgf.cm
   - Take the screwdriver vertically to the screw holes.

2. Push out SIDE BAND-L horizontally, then put it into the material box (Fig. 2).

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-4000MS)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bits Type: T15, φ=5mm, L=60mm</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Xin-Xin Chen     Auditor: Ethan Lai     Issue Department: NPSU-PPE
Standard Operation Procedure

Document No. : Pyxis400 DISASS'Y SOP  
Operation Name: Unscrew the screws of cushions  
Tabulator : Xin-Xin Chen  
Auditor : Ethan Lai  
Issue Department : NPSU-PPE

Station : 18(1/1)  
Ver. : 1.00  
Date : 2017/5/23

Glove Requirements: Half-finger gloves

Steps :

1. Unscrew (Torx Pin-Head ×4) all joints of BASE PAN (Fig. 1, 2).
   
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

Fixtures list (Specification) | Qty. | Fixtures list (Specification) | Qty.
--- | --- | --- | ---
Electric Screwdriver (S-4000MS) | 1 |  |  
Bits Type: T15, φ=5mm, L=60mm | 1 |

Note: If finding anything uncommon, notice foreman or assistant at once.
Standard Operation Procedure

Document No.: Pyxis400 DISASS’Y SOP
Operation Name: Take out cushions & unscrew BOTTOM BAND
Station: 19(1/1)
Date: 2017/5/23
Version: 1.00

Glove Requirements: Half-finger gloves

Steps:
1. Take out Cushion-R and Cushion-L (Fig. 1, 2).
   ✷ Take out vertically.

2. Unscrew (Torx Pin-Head × 2) all joints of BOTTOM BAND (Fig. 3).
   ✷ The length of the bits is 60 mm, be careful not to scrape the plastic part.
   ✷ Torsion: 4.0 ± 1.0 kgf.cm
   ✷ Take the screwdriver vertically to the screw holes.

Fixtures List (Specification):

<table>
<thead>
<tr>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
<th>Fixture list (Specification)</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Screwdriver (S-4000MS)</td>
<td>1</td>
<td>Bits Type: T15, φ=5mm, L=60mm</td>
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</tbody>
</table>

Note: If finding anything uncommon, notice foreman or assistant at once.

Tabulator: Xin-Xin Chen
Auditor: Ethan Lai
Issue Department: NPSU-PPE
Standard Operation Procedure

Document No. : Pyxis400 DISASS'Y SOP  Operation Name : Take out DC-IN cable & BOTTOM BAND  Ver. : 1.00  Date : 2017/5/23

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
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</tbody>
</table>

Glove Requirements: Half-finger gloves

Steps:

1. Unscrew (Torx Pin-Head ×2) all joints of DC-IN cable (Fig. 1).
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

2. Pull out DC-IN cable vertically from M/B side (Fig. 2).
   - Don’t pull out the cable in the oblique direction.

3. Take out BOTTOM BAND (Fig. 3).
   - Put BOTTOM BAND into the material box.
Steps:

1. Unscrew (Torx Pin-Head ×4) all joints of Speaker (Fig. 2, 3).
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

2. Take out Speaker (Fig. 2, 3).
   - Don’t lose the four rubber rings of Speaker.
   - No obvious defect in the surface.
   - First pull out the cable from the hook and don't pull it using force (Fig. 1).

Glove Requirements: Half-finger gloves

Note: If finding anything uncommon, notice foreman or assistant at once.

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</tbody>
</table>
Glove Requirements: Half-finger gloves

Steps:

1. Pull out Speaker cable moderately from the hooks marked in red circles (Fig. 2).

2. Disconnect Speaker cable from the connector of M/B side (Fig. 1).
   ▶ First pull out the cable from the hooks and don't pull it using force (Fig. 1).

Note: If finding anything uncommon, notice foreman or assistant at once.

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<tr>
<td>Plastic stick</td>
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</tbody>
</table>
Glove Requirements: Half-finger gloves

Steps:

1. Unscrew (Torx Pin-Head ×8) all joints to take out M/B (Fig. 1).
   - Torsion: 3.0 ± 0.5 kgf.cm
   - Take the screwdriver vertically to the screw holes.

Fig. 1

Electric Screwdriver (S-4000MS)
Bits Type: T15, φ=5mm, L=60mm

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Note: If finding anything uncommon, notice foreman or assistant at once.
Glove Requirements: Half-finger gloves

**Steps:**

1. Pull out Antenna cables moderately from the hooks from the left side to the right side (Fig. 1).
   - Pull out the cables from the hooks and don't pull them using force.
   - To confirm whether the cable is broken, fractured and so on.

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**Note:** If finding anything uncommon, notice foreman or assistant at once.

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Tabulator: Xin-Xin Chen         Auditor: Ethan Lai         Issue Department: NPSU-PPE
Glove Requirements: Half-finger gloves

**Steps:**

1. Pull out the long side Antenna cable (Fig. 1).

2. Pull out the short side Antenna cable (Fig. 1).
   - Pull out the cables from the hooks and don’t pull them using force.

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**Note:** If finding anything uncommon, notice foreman or assistant at once.

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Tabulator: Xin-Xin Chen  
Auditor: Ethan Lai  
Issue Department: NPSU-PPE
Steps:

1. Pull out the cable from the hooks marked in white circles (Fig. 1).

2. Unscrew (Torx Pin-Head ×2) all joints of Camera (Fig. 1).
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

Note: If finding anything uncommon, notice foreman or assistant at once.

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Glove Requirements: Half-finger gloves

Steps:

1. Take out CCD switch, then pull out the camera cable from Camera (Fig. 1, 2).
   - To confirm whether CCD switch is OK, then put it into the material box.

2. Tear off the Mylar from the front to the back of Camera (Fig. 4).

3. Separate CCD bracket and Camera (Fig. 3).

4. Tear off the gaskets (x 2) from CCD bracket (Fig. 2).

Note: If finding anything uncommon, notice foreman or assistant at once.
Glove Requirements: Half-finger gloves

Steps:

1. Pull out Backlight cable from the connector of Panel (Fig. 1).
   - Pull out the cable from the red engraved line to the outside and don't pull it using force.

2. Pull out Control/B cable from the hooks of BASE PAN (Fig. 2).

Note: If finding anything uncommon, notice foreman or assistant at once.

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Tabulator: Xin-Xin Chen        Auditor: Ethan Lai        Issue Department: NPSU-PPE
Glove Requirements: Half-finger gloves

Steps:

1. Unscrew (Torx Pin-Head ×6) all joints of Panel (Fig. 1, 2).
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

Note: If finding anything uncommon, notice foreman or assistant at once.

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</table>

Tabulator: Xin-Xin Chen  Auditor: Ethan Lai  Issue Department: NPSU-PPE
Glove Requirements: Half-finger gloves

**Steps:**

1. Take out BASE PAN from Panel (Fig. 1, 2).
   - Obliquely take out BASE PAN.

2. Inspect whether Panel has lack of parts, deformation or other defects (Fig. 1).

3. To confirm whether the LVDS cable is broken, fractured and so on (Fig. 2).

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**Note:** If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
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<th>Fixture list (Specification)</th>
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</table>

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**Tabulator:** Xin-Xin Chen  
**Auditor:** Ethan Lai  
**Issue Department:** NPSU-PPE
Steps:

1. Confirm there is no RF material shortage for BASE PAN, then put it into the material box.

Glove Requirements: Half-finger gloves

No leak

Note: If finding anything uncommon, notice foreman or assistant at once.

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Tabulator: Xin-Xin Chen       Auditor: Ethan Lai      Issue Department: NPSU-PPE
Glove Requirements: Half-finger gloves

Steps:

1. Tear the handle, then pull out LVDS cable horizontally from the connector of Panel (Fig. 1).
   - Goldfinger side of LVDS cable is downward.
   - Follow the direction of red arrow to press the both side of connector, then pull out the cable (Fig. 2).

Note: If finding anything uncommon, notice foreman or assistant at once.

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Tabulator: Xin-Xin Chen    Auditor: Ethan Lai    Issue Department: NPSU-PPE
Standard Operation Procedure

Document No. : Pyxis400 DISASS’Y SOP          Station : 30(1/1)
Operation Name : Take out Panel               Ver. : 1.00          Date : 2017/5/23

Steps :

1. Take out Panel from Front Bezel (Fig. 3).

2. Inspect whether Front Bezel has obvious defect in the four side, back side and bottom side (Fig. 1, 2).
   ❖ No obvious defect in the surface of Front Bezel, then put it into the material box.

Glove Requirements: Half-finger gloves

Fixtures List (Specification) | Qty. | Fixtures List (Specification) | Qty.
-------------------------------|------|-------------------------------|------
Static air gun                | 1    |                               |      

Note: If finding anything uncommon, notice foreman or assistant at once.

Tabulator : Xin-Xin Chen       Auditor : Ethan Lai       Issue Department : NPSU-PPE
Standard Operation Procedure

Document No. : Pyxis400 DISASS’Y SOP
Operation Name : Take out the brackets of Panel

Tabulator : Xin-Xin Chen       Auditor : Ethan Lai       Issue Department : NPSU-PPE

<table>
<thead>
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<td>Electric Screwdriver (S-4000MS)</td>
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<tr>
<td>Bits Type: T15, φ=5mm, L=60mm</td>
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</tbody>
</table>

**Steps:**

1. Unscrew (×2) all joints to take out Bracket-R and Bracket-L (Fig. 2, 3).
   - First unscrew the round hole, then unscrew the oval hole (Fig. 2).
   - Torsion: 4.0 ± 1.0 kgf.cm
   - Take the screwdriver vertically to the screw holes.

Note: If finding anything uncommon, notice foreman or assistant at once.
Glove Requirements: Half-finger gloves

Steps:

1. Tear off the Mylar (×3) of Bracket-R (Fig. 1).
   ❖ This step is only for Panel of Samsung.

2. Tear off the Mylar (×3) of Bracket-L (Fig. 2).
   ❖ This step is only for Panel of Samsung.

Note: If finding anything uncommon, notice foreman or assistant at once.

<table>
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Tabulator: Xin-Xin Chen  Auditor: Ethan Lai  Issue Department: NPSU-PPE
Steps:

1. Put Panel into the material box carefully.

Glove Requirements: Half-finger gloves

Note: If finding anything uncommon, notice foreman or assistant at once.

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<th>Qty.</th>
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