Assembly Notice

Model Name: G481-HA0-00

GBT P/N: 6NG481HA0MR-00-*

Release Date: 2018/07/02

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CUSTOMER: __________________________

PROJECT: G481-HA0

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Checked By: __________________________

Released By: __________________________

Ref.No/ Rev: 1.0
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1 Overview

1.1 Document History

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<th>Item</th>
<th>Revision</th>
<th>Description</th>
<th>Date</th>
<th>Originator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.1</td>
<td>1st release</td>
<td>2018-07-02</td>
<td>張建誠</td>
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</tbody>
</table>

1.2 Purpose

This document defines the particular Gigabyte requirements for standard server assembly at DVT stage. The purpose is to ensure the method of assembly be transfer to the factory.
### 1.3 Screw Torque Table

<table>
<thead>
<tr>
<th>(Screw Spec)</th>
<th>(Screwdriver Type)</th>
<th>(Suggestion Torque)</th>
<th>(Remark)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw type: M3x5L</td>
<td>#2</td>
<td>5kg/cm±0.5</td>
<td></td>
</tr>
<tr>
<td>2598EG-1C003-S00</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 2 Procedure for System assembly

<table>
<thead>
<tr>
<th>Step</th>
<th>Method</th>
<th>Part number / Board model name</th>
<th>Q’ty</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Remove top cover and take off fan duct, loosen the 40 FAN BKT thumb screw and remove the 40 fan kit.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**2.1 Step 1**
### Work Instruction

<table>
<thead>
<tr>
<th>Step</th>
<th>Method</th>
<th>Part number / Board model name</th>
<th>Q’ty</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Remove the 40 fan kit and open the GPU tray. Loosen the PCIE BKT screws and take out the PCIE BKE.</td>
<td></td>
<td></td>
<td>please keep the screws on hand</td>
</tr>
</tbody>
</table>

#### 2.2 Step 2

![Image of the internal components of a server with annotations for removing screws and PCIE](image-url)

- **Remove screws**
- **Remove PCIE**
### 2.3 Step 3

<table>
<thead>
<tr>
<th>Step</th>
<th>Method</th>
<th>Part number / Board model name</th>
<th>Q’ty</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Plug in short GPU Power cable with GPGPU</td>
<td>25CRI-100002-B0R</td>
<td>8</td>
<td><strong>Total needs to assembly 8 units</strong></td>
</tr>
</tbody>
</table>

Before plug in the GPGPU power cable, please bend the cable as below.
### Step 4 – 1st GPGPU assembly

1. Please follow the arrowhead to insert the GPGPU into GPU fan duct then 4.2 lock it on PCIe/B and fasten it with 2* M3x5L, then 4.3 power cable assembly on GPU Power /B.
2.5 Step 5 – 2nd to 8th GPGPU assembly

5.1 Please follow the arrowhead to insert the GPGPU into GPU fan duct then 5.2 lock it on PCIE/B and fasten it with 2* M3x5L, then 5.3 power cable assembly on GPU Power /B.
3rd to 8th GPGPU assembly please follow 2ndGPGPU card assembly SOP.
2.6 Step 6 – 9th GPGPU assembly

<table>
<thead>
<tr>
<th>Step</th>
<th>Method</th>
<th>Part number / Board model name</th>
<th>Q’ty</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Put back the GPGPU Tray and take off the M3x5L screws on the tray top.</td>
<td></td>
<td></td>
<td>please keep the screws on hand</td>
</tr>
</tbody>
</table>
## Work Instruction System integration

**Issued Date:** 2018-07/02  
**Revised Date:**  
**Document Ref. Number:**  
**Revision:** 0.1  
**Pages:** 13/21

<table>
<thead>
<tr>
<th>Step</th>
<th>Method</th>
<th>Part number / Board model name</th>
<th>Q’ty</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Take off the screws from GPU BKT and take off the PCIE BKT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Plug in the long GPU Power cable with GPGPU</td>
<td>25CRI-300002-B0R</td>
<td>1</td>
<td>please keep the screws on hand</td>
</tr>
</tbody>
</table>

### 2.7 Step 7

![Image of GPU BKT with screws highlighted](image1.png)

### 2.8 Step 8

![Image of the long GPU Power cable](image2.png)
### Work Instruction System integration

#### Issued Date: 2018-07/02

#### Step 9

<table>
<thead>
<tr>
<th>Step</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Please follow the arrowhead to insert the GPGPU into GPU BKT and fasten 2 x pcs M3x5L screws</td>
</tr>
</tbody>
</table>

#### 2.9 Step 9

- Please follow the arrowhead to insert the GPGPU into GPU BKT and fasten 2 x pcs M3x5L screws.
When done the GPU to assembly it with BKT, put it on tray and fasten it with 3pc M3 x 5L screws. Put power cable with GPU Power/ B and trim the cable.

2.10 Step 10

When assembly the GPGPU cable, please notice to the power connector and trim the cables.
2.11 Step 11- 10th GPGPU assembly

- Take of the M3x5L screws from GPU BKT tray please keep the screws on hand
### Step Method

<table>
<thead>
<tr>
<th>Step</th>
<th>Method</th>
<th>Part number / Board model name</th>
<th>Q’ty</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Take off the GPU BKT screws and take off the PCIE BKT.</td>
<td></td>
<td></td>
<td>please keep the screws on hand</td>
</tr>
<tr>
<td>13</td>
<td>Plug in the long GPU Power cable and assembly it with GPGPU</td>
<td>25CRI-300002-B0R</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

#### 2.12 Step 12

![Image of GPU screws to be removed](image1)

#### 2.13 Step 13

![Image of GPU power cable](image2)
### 2.14 Step 14

Follow the arrowhead to make GPU insert into GPU BKT, and fasten it with 2pcs M3x5L screws.

<table>
<thead>
<tr>
<th>Step</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Follow the arrowhead to make GPU insert into GPU BKT, and fasten it with 2pcs M3x5L screws.</td>
</tr>
</tbody>
</table>
When done the GPU to assembly it with BKT, put it on tray and fasten it with 3pcs M3 x 5L screws. Put power cable with GPU Power/ B and trim the cable.

When assembly the GPGPU cable, please notice to the power.
2.16 Step 16

Assembly the 40 Fan kit and fasten it with Thumb screws then put the fan cable with clip then trim it.
2.17 Step 17

Put back the fan duct back to system