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# INSTALLATION INSTRUCTIONS

## Product

**7160-0496**

**INTEGRATED POWER SUPPLY,  
CF-31 DOCK REV AA+**

## Revision

Rev.A

## Form

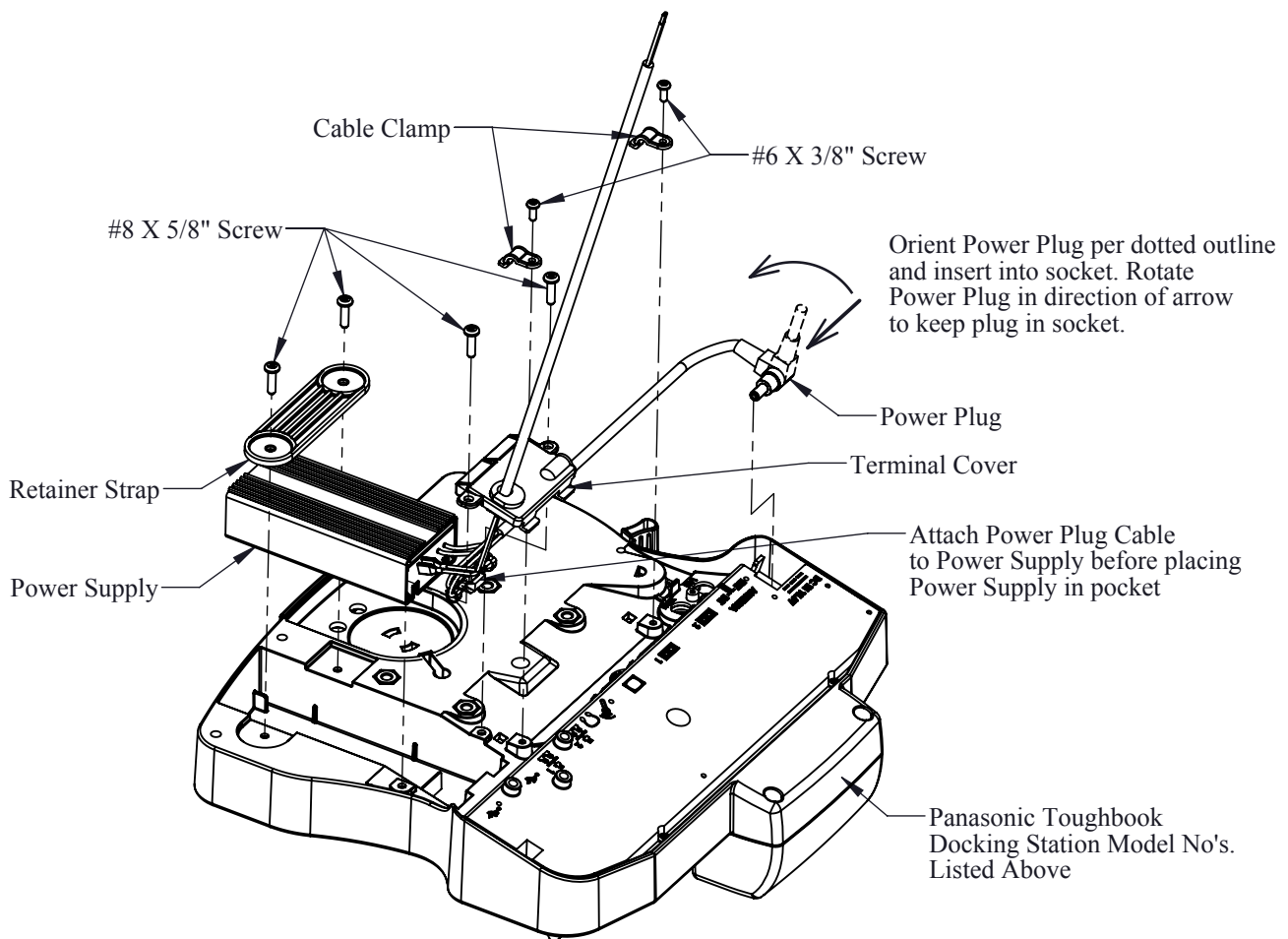
INST-605

**Printing Spec: PS-001**

This instruction sheet provides directions on how to install the Integrated Power Supply Kit (7160-0496). This kit should be installed **ONLY** in the following products:

### **Panasonic Toughbook CF-31 Docking Station**

Model No's. : 7160-0318-00 (-P), 7160-0318-01 (-P), 7160-0318-02 (-P), 7160-0318-07 (-P), 7160-0318-08 (-P), 7160-0318-09 (-P)



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If you need assistance or have questions, call Gamber-Johnson at 1-800-456-6868

Pg 1

# KIT INSTALLATION

1. Place Docking Station on a soft flat surface . Orient with the bottom facing up and lock towards installer.
2. If attached remove mounting system and/or cable restraint bracket from bottom of dock.
3. With cable of Power Plug oriented perpendicular to the bottom of the dock insert Power Plug into socket labeled **DC IN 15.6V**. After Power Plug is inserted into socket rotate Power Plug towards LAN/WAN labels to lock Power Plug into socket.
4. Attach Power Plug Cable to Power Supply.
5. Place power Supply in pocket on right hand side of docking station. Ribbed surface of Power Supply should be facing up.
6. Insert cable between snap finger and frame and secure with Cable Clamp and #6 X 3/8" screw. See Fig. 1 for correct position of cable to maximize space around RF connector, if dock is so equipped.

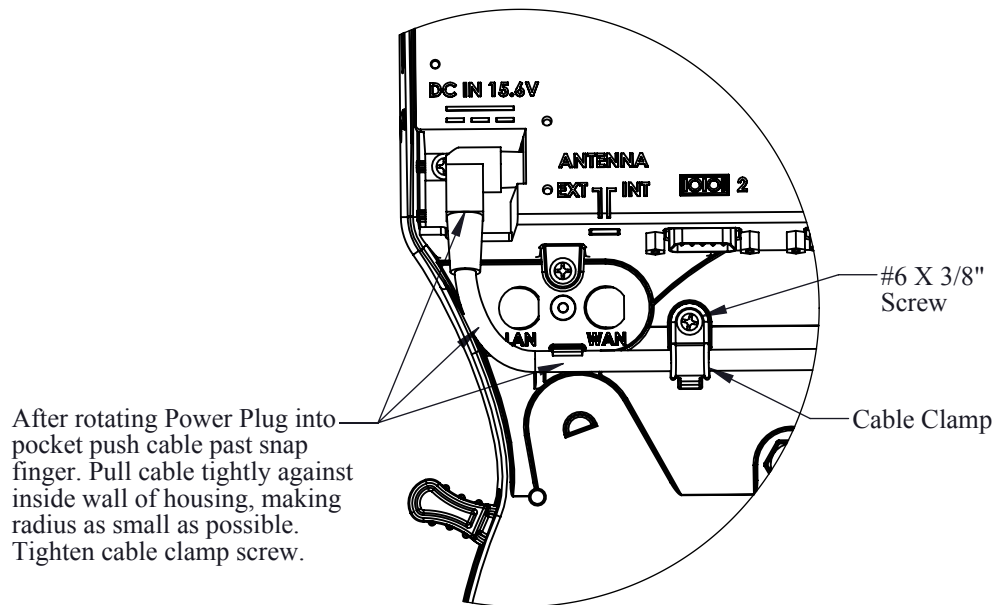


Fig. 1

7. Route cable across dock and place connectors in space provided in front of Power Supply and beneath Terminal Cover.
8. With connectors and wires placed into space provided attach Terminal Cover to dock using 2 #8 X 5/8" screws. Terminal Cover should overlap edge of Power Supply and secure it in pocket when the screws are tightened (Fig. 2).
9. Install second Cable Clamp and #6 X 3/8" screw.

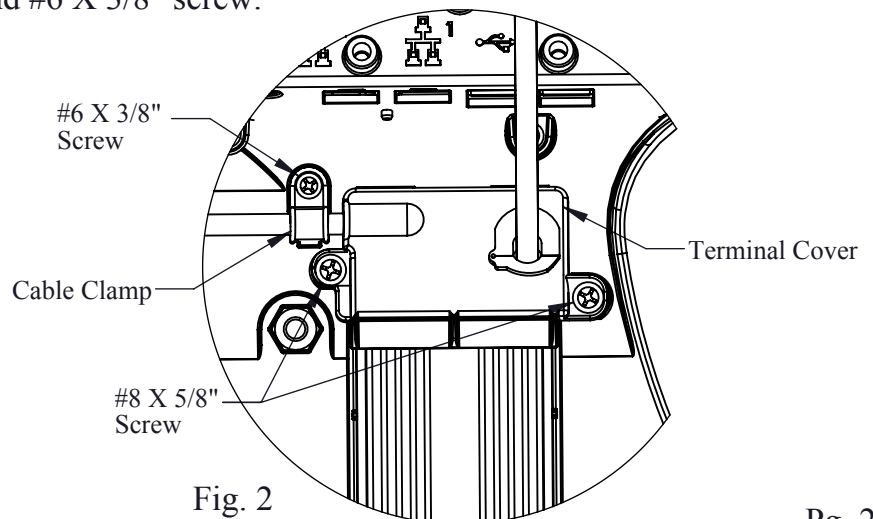


Fig. 2

10. Place Retainer Strap into pocket provided and attach with 2 #8 X 5/8" screws (Fig. 3).

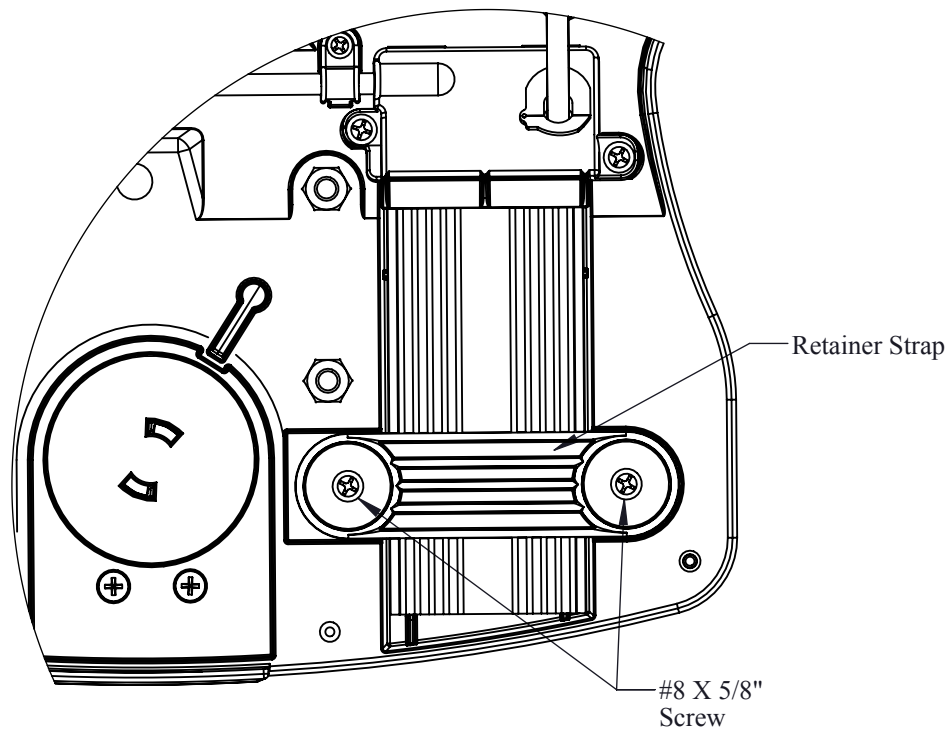


Fig. 3

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## WIRING INSTRUCTIONS

*IMPORTANT: Make sure that you have read this entire section before you begin wiring!  
Refer to Fig. 4*

1. Install docking station into vehicle, making sure that all bolts are tight.
2. Attach BLACK ground wire to the location where the vehicle battery grounds to vehicle chassis (Fig. 4).
3. Connect the RED wire to the supply voltage (V+) from the vehicle (Fig. 4).

## IMPORTANT REMINDERS:

- Use only SAE J1128 Type GPT number 16 AWG stranded wire (minimum) to attach the docking station to the vehicle's electrical system.
- Connect lead wires to the Docking Station (recommend using quick disconnects as shown in Figure 1) Caution: *The disconnect must be easily accessible. When assembling the quick disconnects, use only Panduit crimp tools CT-100, CT-600, CT-1525, CT-1550 or CT-1551.*
- Route the lead wires to the battery. Total wire in the circuit must not exceed 30 feet and must conform to SAE J1128 standard.
- Protect the lead wires from abrasion and chafing by using wire loom or conduit and route away from moving parts or areas where high temperatures may occur.
- Connection of the supply voltage (V+) must be kept as close to the battery as possible.
- The power connection must be made with the 10 amp in-line fuse and fuse holder provided with the dock. Connect the fuse holder to the lead wire using the butt splice connectors provided with the fuse holder. *When assembling the butt splice connectors, use only Panduit crimp tools CT-100, CT-600, CT-1525 or CT-1551.*  
The fuse holder location must be kept within 10 inches of the connection to the battery positive, away from moving parts and temperatures that exceed 180 degrees F.  
*Caution: If the fuse holder requires replacement, it should be replaced by qualified service personal using Littlefuse part number FHMI (Gamber-Johnson part number 11689). This device conforms to ASTM D471 and SAE J1128 standards.*
- Fuse must be inserted in the supplied fuse holder. *Caution: For continued protection against risk of fire, replace only with the same type and rating of supplied fuse. The provided fuse is UL Listed, rated at 10 amps, 32 volt AC/DC fast acting.*
- If a timing device is used, follow the instructions of the manufacturer of that device. It must be wired in-line with the supply voltage (V+) to the docking station.
- If you have any installation questions, please call Gamber-Johnson customer support at 1-800-456-6868.

