

INSTALLATION INSTRUCTIONS

Product

DOCK-PANASONIC-PANDOCK

Revision

Rev B

Form

INST-459

7160-0227-00, 7160-0227-02

7160-0227-01, 7160-0227-04

7160-0227-05, 7160-0227-06

8 Pages

This instruction sheet is for the following products:

Panasonic Toughbook CF29 & CF30 docking stations with
No integrated high gain antenna pass-thru cable.

Item No. 7160-0227-00 (Button lock, No RF)

Item No. 7160-0227-04 (Auto lock, No RF)

Panasonic Toughbook CF29 & CF30 docking stations with
Single integrated high gain antenna pass-thru cable.

Item No. 7160-0227-01 (Button lock, Single RF)

Item No. 7160-0227-05 (Auto lock, Single RF)

Panasonic Toughbook CF29 & CF30 docking stations with
Dual integrated high gain antenna pass-thru cable.

Item No. 7160-0227-02 (Button lock, Dual RF)

Item No. 7160-0227-06 (Auto lock, Dual RF)



**These instructions are for the docking station only. For instructions on features, set-up and operation of the CF29 computer, please refer to the manuals provided by Panasonic with the computer.*

*** This docking station is designed to be used with a variety of Gamber-Johnson mounting systems. Installation instructions for other Gamber-Johnson products are provided with each individual product.*

IMPORTANT SAFETY INFORMATION for INSTALLERS

Safety is dependent on the proper installation and servicing of this docking station. It is important to read and follow all instructions before installing this product.

To properly install a Gamber-Johnson docking station you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and service of aftermarket vehicle equipment.

There are no adjustments required at any time of the electrical components within the docking station. ***Opening the port replication housing will void the product warranty.***

During Installation

- DO NOT connect this docking station to the vehicle battery until:
 1. ALL other electrical connections are made
 2. Mounting of ALL components is complete
 3. VERIFICATION that no shorts exist in the entire system
- DO NOT install equipment or route wiring or chords in the deployment path of any air bag.
- When drilling into the vehicle, DO make sure that both sides of the surface are clear of anything that could be damaged.

CAUTION: If wiring is shorted to the frame, high current conductors can cause hazardous sparks resulting in electrical fires or flying molten metal.

After Installation

- Test the docking station to ensure that it is working properly.

File these instructions in a safe place and refer to them when performing maintenance or re-installing.

WARNING: Failure to follow all safety precautions and instructions may result in property damage, serious injury or death.

PRE-INSTALLATION RECOMMENDATIONS

Conduct a "Bench Test"

Gamber-Johnson strongly advises a "bench test" be conducted to verify that all electronic and software issues are resolved prior to installation:

1. Make sure computer is operational by itself.
2. Insert computer into docking station and verify that the computer is operating in the dock.
3. Interconnect entire assembly and verify start-up of all components, including other equipment (printers, modems, scanners, etc.).

**Gamber-Johnson also recommends positioning of all mounts and equipment in the vehicle prior to the actual install to verify that mounting locations are safe and practical.*

POWER SUPPLY INFORMATION

This docking station has an add on power supply and is designed to be used with a 12 volt or 24 volt DC systems only. The voltage output is factory set at 15.6 volts.

WIRING INSTRUCTIONS

*IMPORTANT: Make sure that you have read this entire section before you begin wiring!
Refer to Figure 1*

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.(See Figure 1)
3. Connect the RED wire to the supply voltage (V+) from the vehicle. (See Figure 1)

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 standard J1128.
- 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 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 personnel using Littelfuse part number FHMI (Gamber-Johnson part number 11689). This device conforms to ASTM standard D471 and SAE standard J1128.*
- Fuse must be inserted in 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 amp, 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

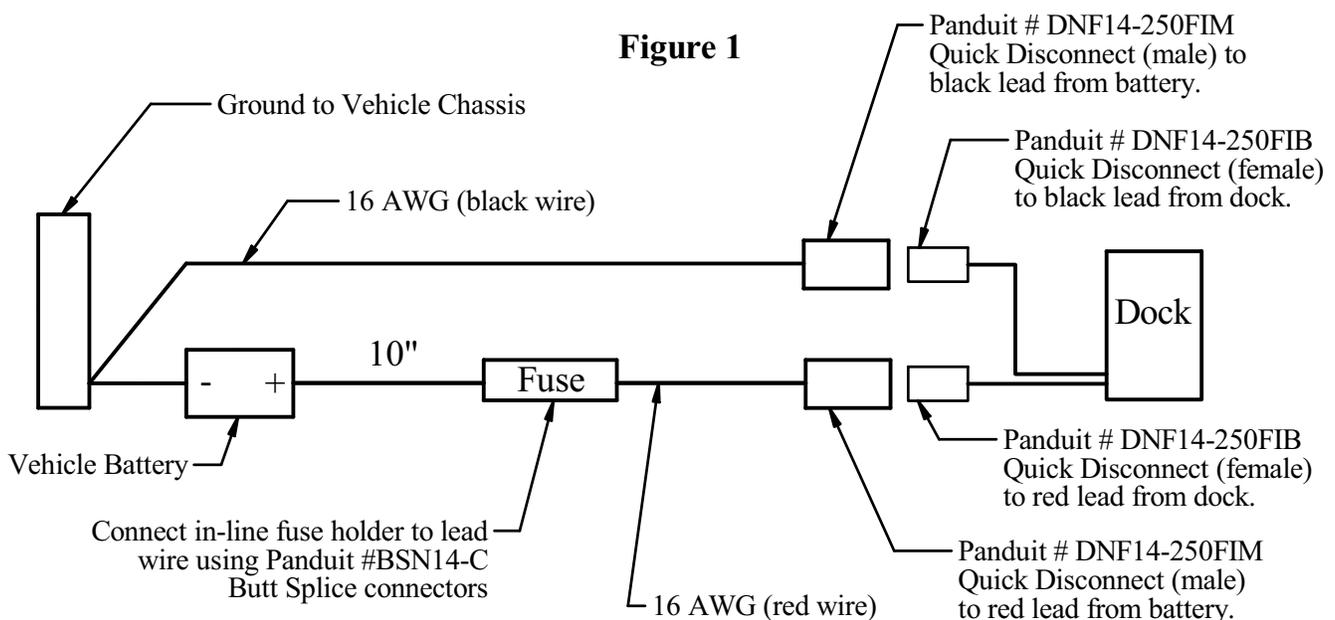


Figure 1

CABLE RESTRAINT INFORMATION

Attach tie wrap anchors to the underside of the dock by pushing into the holes in the locations shown in Figure 1. Anchors are located in the hardware bag supplied with the dock.

Attach cable ties to the anchors as shown in Figure 2. Cables to be bundled using the cable ties at the users discretion.

The USB and Ethernet have a secondary restraint bracket which the cables can be tied to to allow for more support of the USB and ethernet cables. If the USB or ethernet cables used by the customer are odd sized and do not fit with the secondary restraint bracket simply remove the bracket and restrain the cables with the additional tie wrap anchors supplied in the hardware bag.

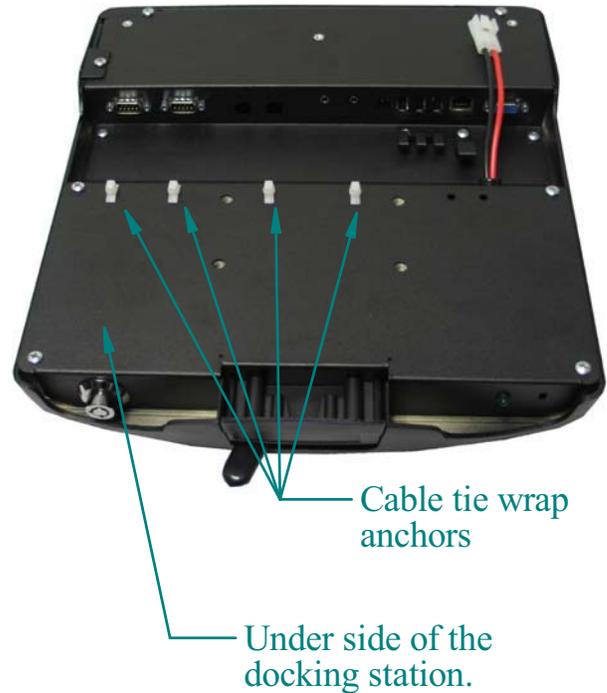
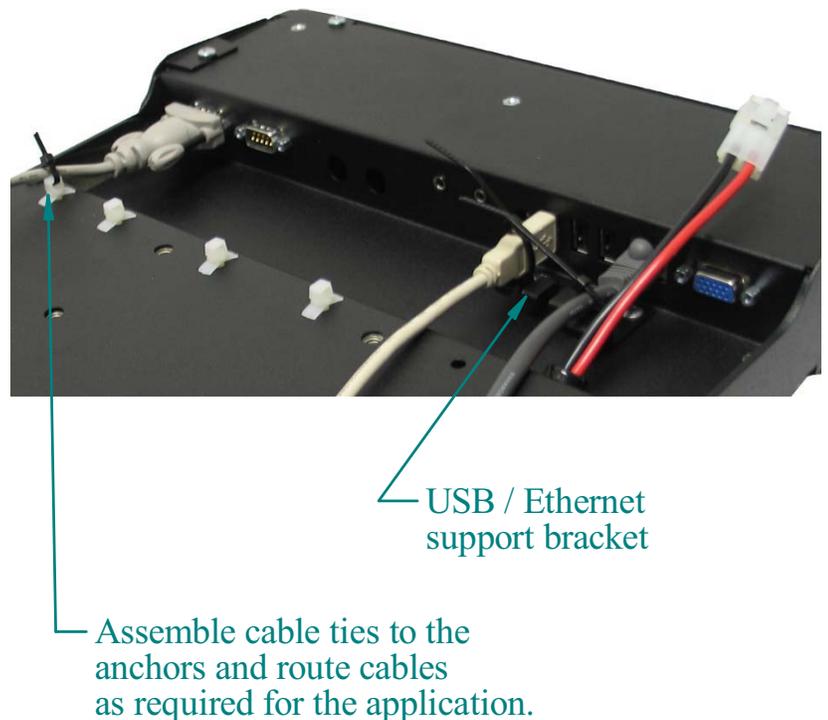


Figure 2



INSERTING COMPUTER into the DOCK

1. Make sure the sliding door (located on the back edge of the computer) has been opened, exposing the computer's docking connector. (See Figure 3)

2. Insert the computer:
- Align the center notch in the computer with the front retainer tab.
 - Lower the back of the computer, pressing down onto the locating pins.

4. Pull the docking handle towards the left side of the dock until the latch catches and holds the handle. (See Figure 5)
The push button latch can be locked for added security.

5. Unit is powered and ready for use.

**Docking station will operate with computer screen opened or closed.*

Figure 3



Sliding Door/Docking Connector

Figure 4

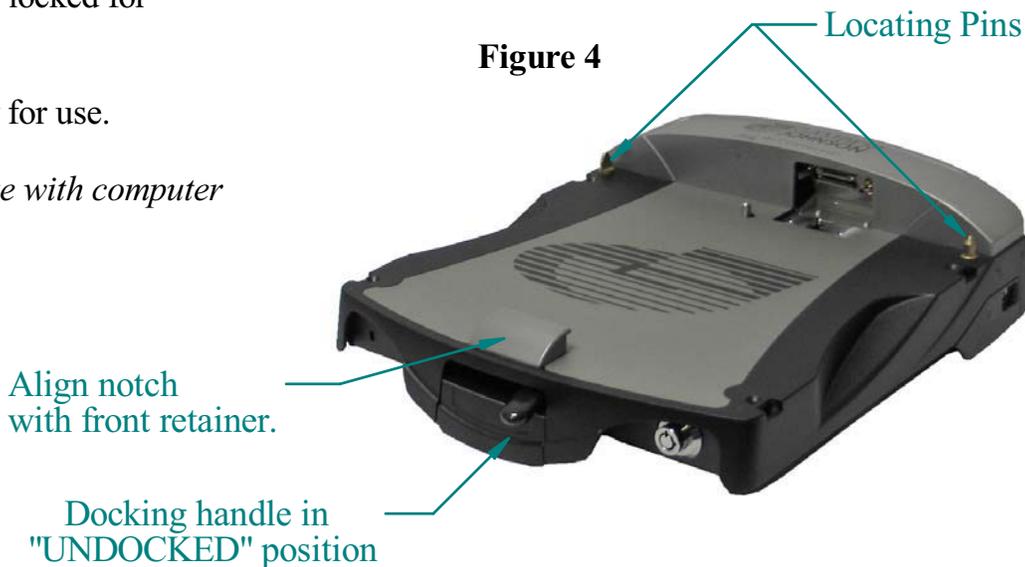


Figure 5



REMOVING COMPUTER from the DOCK

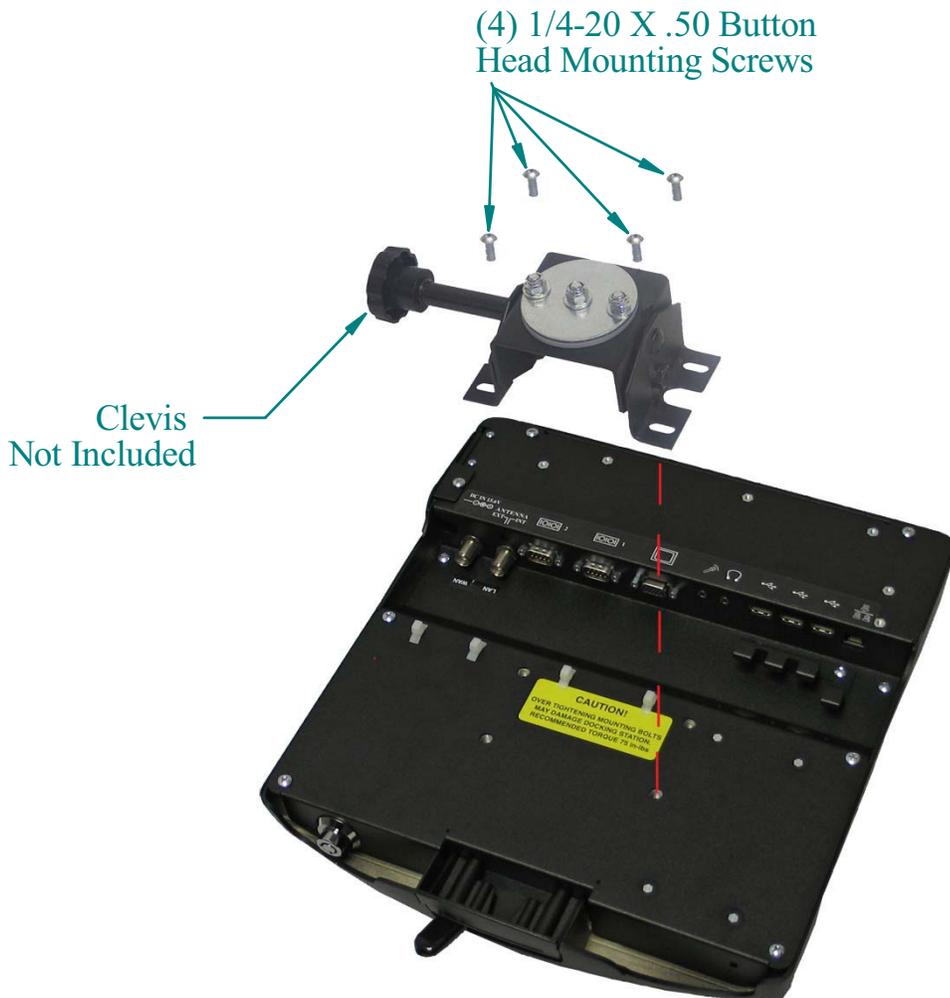
1. Push latch button in (Unlock with key if locked).
2. Lift the back of the computer off of the locating pins.
3. Lift the computer out from under the front retainer tab.

MOUNTING THE DOCKING STATION

Mount docking station to mounting system using the four 1/4-20unc mounting holes on the bottom of the dock. Four 1/4-20unc X .50 Button Head Mounting Screws are provided in the hardware bag.

**** Recommended Torque 75 in-lbs. Over Tightening Mounting Hardware May Damage Docking Station.**

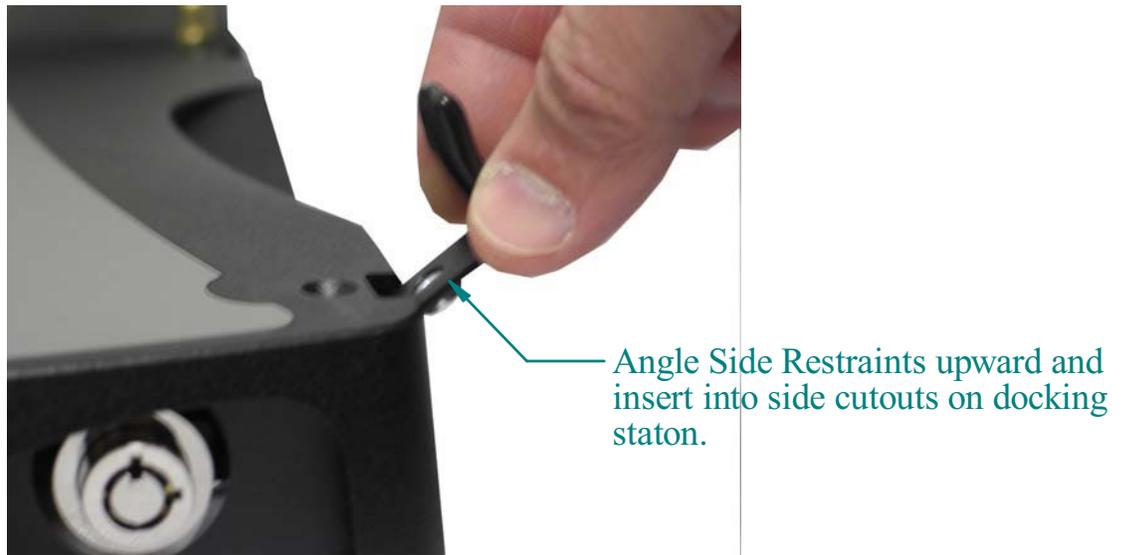
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Severe Vibration Installations

Gamber-Johnson highly recommends the use of the vinyl covered side restraints in severe vibration applications. Restraints and mounting hardware are provided with the dock in the hardware bag and are assembled to the dock as shown in Figure 6.

Figure 6



Side restraints are secured using (4) 8-32unc X .38 flat head screws provided in hardware bag.

