# INSTALLATION INSTRUCTIONS

| Product | Revision | Form |
|---|---|---|
| **7160-0393** | Rev .B | INST-571 |
| **CF53 DOCKING STATION** | | **Printing Spec:** PS-001 |

This instruction sheet is for the CF53 docking station only.  For instructions on features, set-up, and operation of the CF53 computer, please refer to the manual 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.

This instruction sheet is for the following products:

**Item No. 7160-0393-00(-P)**  No RF    (External Power Supply sold separately)
**Item No. 7160-0393-02(-P)**  Dual RF (External Power Supply sold separately)
**Item No. 7160-0393-04(-P)**  No RF with Internal Power Supply
**Item No. 7160-0393-06(-P)**  Dual RF with Internal Power Supply



**Product Mounting Disclaimer**
Gamber-Johnson is not liable under any theory of contract or tort law for any loss, damage, personal injury, special, incidental or consequential damages for personal injury or other damage of any nature arising directly or indirectly as a result of the improper installation or use of its products in vehicle or any other application. In order to safely install and use Gamber-Johnson products full consideration of vehicle occupants, vehicle systems (i.e., the location of fuel lines, brakes lines, electrical, drive train or other systems), air-bags and other safety equipment is required. Gamber-Johnson specifically disclaims any responsibility for the improper use or installation of its products not consistent with the original vehicle manufactures specifications and recommendations, Gamber-Johnson product instruction sheets, or workmanship standards as endorsed through the Gamber-Johnson Certified Installer Program.

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

# PRE-INSTALLATION RECOMMENDATOINS

Conduct a "Bench Test"

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

1. Make sure the computer is operational by itself.
2. Insert computer into the 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 recommends positioning of all mounts and equipment in the vehicle prior to the actual install to verify that mounting locations are safe and practical.*

# 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 docking station 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 cords 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.*
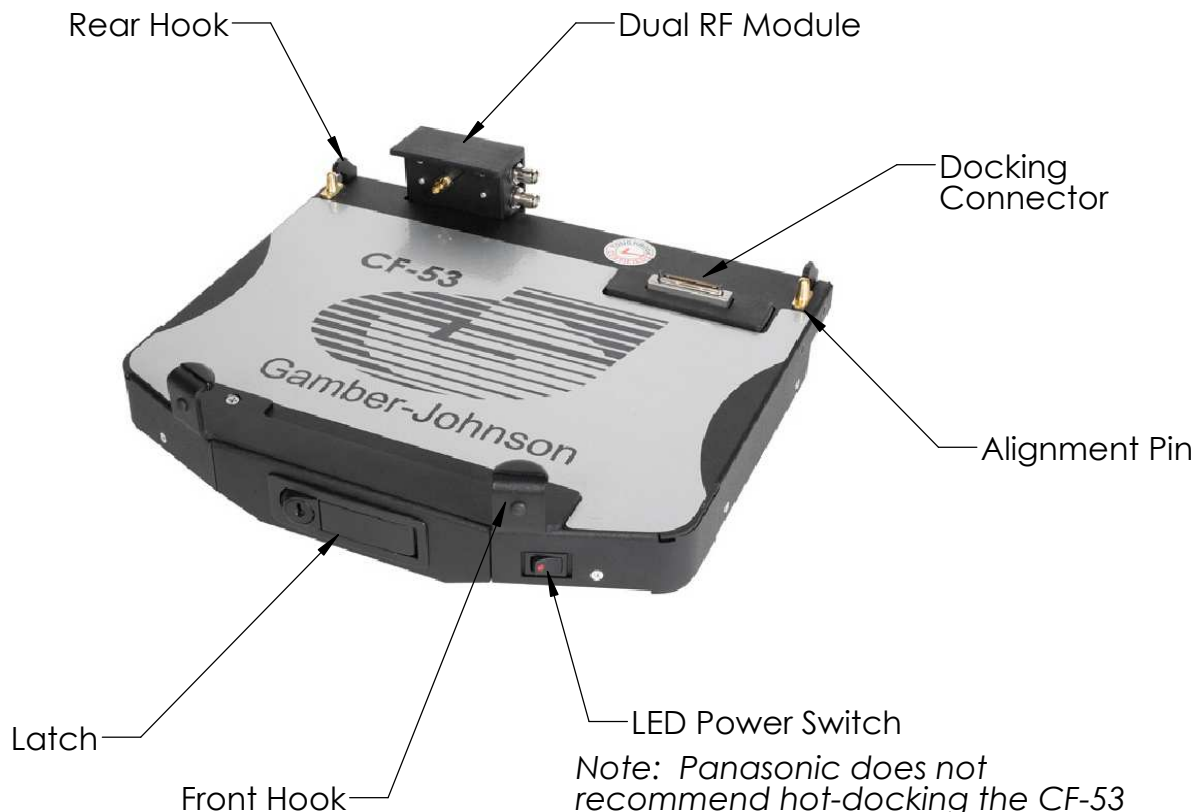
After installation:

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

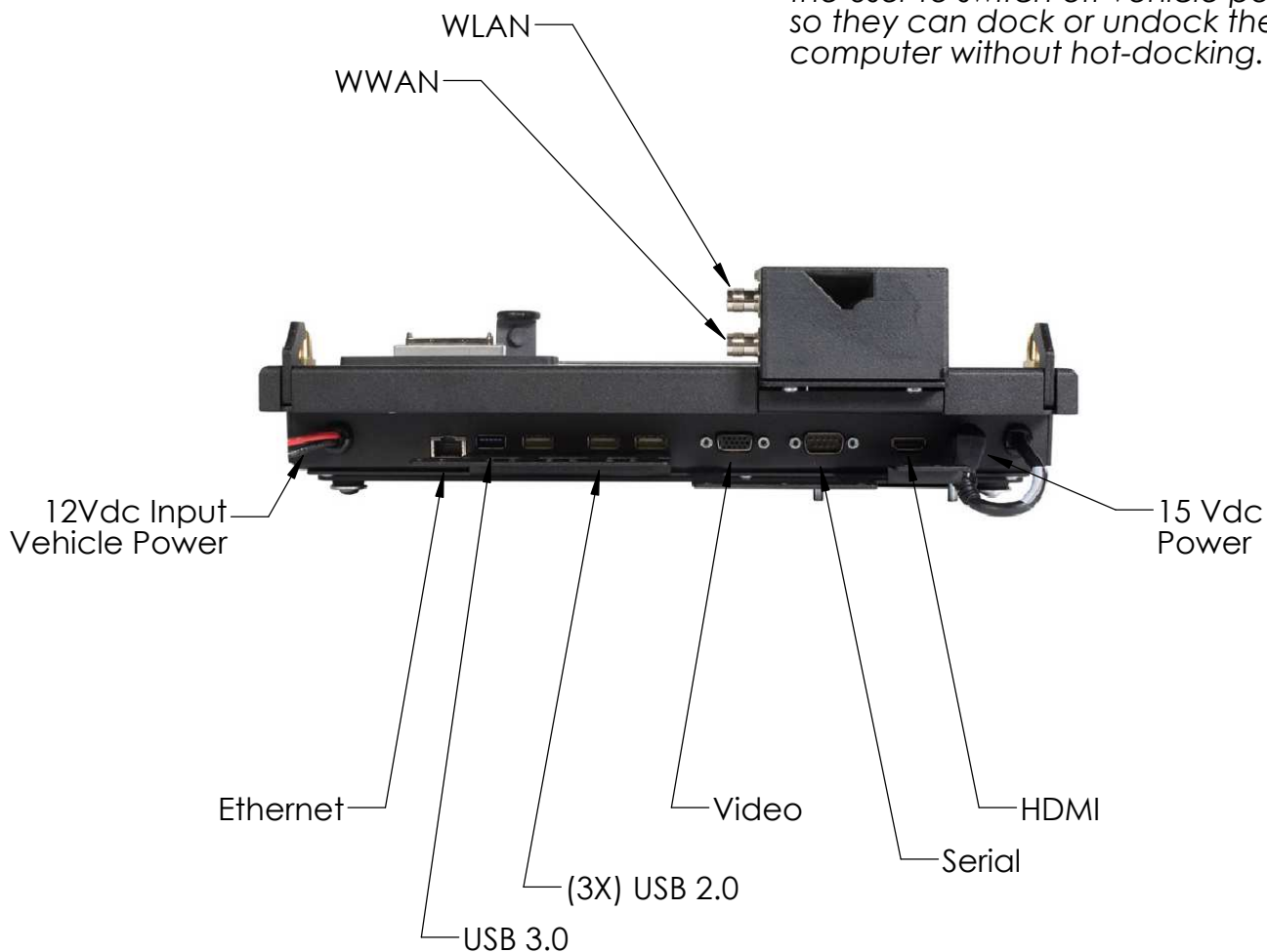File these instructions in a safe place and refer to them when performing maintenance or re-installing.

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

# CF-53 DOCKING STATION FEATURE IDENTIFICATON

Rear Hook

Dual RF Module

Docking Connector

Alignment Pin

Latch

Front Hook

LED Power Switch

*Note: Panasonic does not recommend hot-docking the CF-53 computer. The power switch allows the user to switch off vehicle power so they can dock or undock the computer without hot-docking.*

WLAN

WWAN

12Vdc Input Vehicle Power

15 Vdc Power

Ethernet

Video

HDMI

Serial

(3X) USB 2.0

USB 3.0

Isolator

Isolator Mounting Plate

1/4-20 threaded inserts for attaching to Gamber-Johnson mounting equipment

Mounting Standoffs for Optional External Mounted Power Supply

Cable Restraint Bracket

Wire Ties Secure the cable connection to the docking station

# CONNECTING VEHICLE POWER TO A CF-53 DOCKING STATION WITH AN INTERNAL POWER SUPPLY

Connect Vehicle Power to the Red wire with a 10 Amp in-line fuse. Connect Vehicle Ground to the Black wire.

# CONNECTING VEHICLE POWER TO A CF-53 DOCKING STATION WITH AN EXTERNAL POWER SUPPLY

Lind Electronics Power Supply with integrated 10 Amp Fuse

Connect to 12Vdc Vehicle Power

15 Vdc Output Power - The plug will need to be cut off so the internal Red and Black wires can be attached to the Red and Black wires on the dock. This will enable the power switch to be used with the external power supply.

# DOCKING THE COMPUTER

1.  Make sure the dock power switch is in the OFF position and the LED is not lit.

2.  Push the Latch Button to open the latch if the dock is in the closed position.

3.  Insert the front of the CF-53 computer under the front hooks on the dock.  Look at the handle to make sure the front of the computer is centered on the front hooks.

4.  Lower the back of the computer down onto the guide pins and the docking connector.

5.  Lightly press down on the back of the computer to ensure if is fully seated.

6.  Close the latch to engage the rear hooks (and Dual-RF if applicable) into the back of the computer to hold it in place.

7.  Turn ON the power switch to allow vehicle power to the computer.

Dock Power Switch

Latch Button

## TO UNDOCK THE COMPUTER

1.  Turn off the Dock Power Switch.

2.  Press the Latch Button.  The front latch is spring loaded and will automatically open.  The rear hooks are also spring loaded and will retract from the computer.

3.  Lift the back of the computer off the guide pins and docking connector.

4.  Pull the front of the computer out from under the front hooks.

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