GETAC
rugged mobile computing solutions

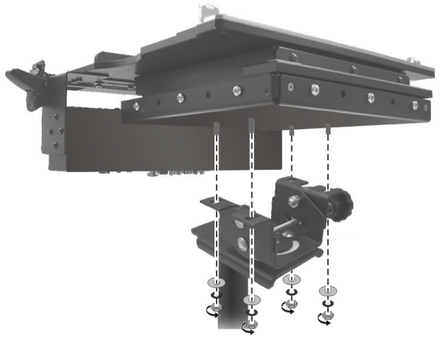
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B300 Vehicle Docking Reference Guide

1 Installing the Pedestal & Vehicle Docking / Wiring Instructions

CAUTION: This vehicle docking has a built-in power supply and is designed to be used with an 11~28-volt DC system only. The voltage output is factory set at 19-volts.

1. Have a qualified technician install the pedestal to your vehicle. You are highly recommended to use the Gamber Johnson pedestal as it has been tested to be compatible to your vehicle docking.
2. Install the four nuts to fix vehicle docking to pedestal by inserting the big flat washer first, then the small washer, and tighten using the nut.



3. Attach BLACK ground wire to the location where the vehicle battery grounds to vehicle chassis.

   Standard Installation (power switch is operational) – connect the RED wire to the supply voltage (V+) from the vehicle. (The BLUE wire remains unconnected)

   By-Pass Installation (power switch is by-passed) – Connect the BLUE wire to the supply voltage (V+) from the vehicle. (The RED wire remains unconnected)

Important Reminders:

- Use only SAE J1128 Type GPT number 14 AWG stranded wire (minimum) to attach the vehicle docking to the vehicle's electrical system.
- Connect lead wires to the disconnect pigtail using the butt splice connectors provided with the vehicle docking.

CAUTION: The butt splice connections must be made as close to the vehicle docking as possible using the disconnect pigtail provided with the vehicle docking. The disconnect must be easily accessible. When assembling the butt splice connectors use only Panduit crimp tools CT-100, CT-600, CT-1525, CT-1550 or CT-1551.

- Using the wire joint provided with the vehicle docking, cap the un-used RED or BLUE wire on the disconnect pigtail.

CAUTION: Use only Panduit crimp tool 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 the fuse holder.

CAUTION: When assembling the butt splice connectors use only Panduit crimp tools CT-100, CT-600, CT-1525 or CT-1551.

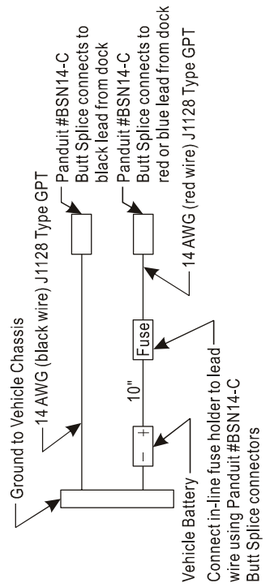
- The fuse holder location must be kept within 10 inches of the connection to the battery positive, away from moving parts, and temperatures that exceed 180°F.

CAUTION: If the fuse holder requires replacement it should be replaced by qualified service personnel using Littelfuse part number FHM1 (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 vehicle docking.



2 Connecting the Computer

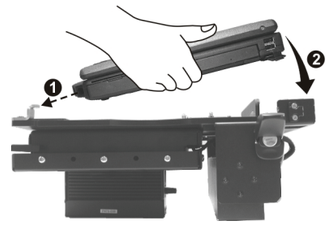
1. Make sure that the computer is turned off and disconnect all cables from the computer.
2. Slide open the expansion bus connector cover on the computer.



3. Push the expansion bus connector latch all the way inward. This ensures that the expansion bus connector is all the way inside the enclosure.



4. Align the center notch of computer with front retainer tab (❶) and gently insert the rear side of the computer into vehicle docking (❷).



5. Pull the expansion bus connector latch all the way outward (❶) and at the same time use the included key to lock the latch (❷) in order to secure the computer to the vehicle docking.

Reverse the previous steps to remove the computer from the vehicle docking.

3 Troubleshooting and Helpful Tips

Power switch red LED does not light up:

If after applying power to the vehicle docking and turning the power switch on, the red LED does not light up – check to see if the BLACK and RED (or BLUE in by-pass installation) wires are providing power to the vehicle docking.

If NO – determine the cause and solve.
If YES – the problem is inside the vehicle docking and should not be adjusted by the installer. Obtain GETAC customer support by accessing the web link at **http://www.getac.com → Service**.

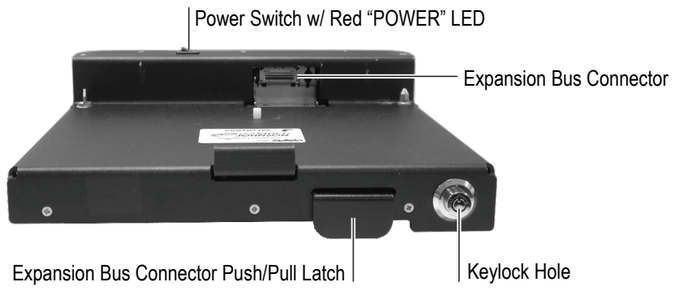
Helpful Tips (DO):

- If computer malfunctions while vehicle docking is connected, turn off the computer, disconnect vehicle docking (see previous section), connect the AC adapter to the computer, and check to see if the computer operates normally. If the computer operates normally, the vehicle docking may be malfunctioning.
- Remove the computer from the vehicle docking if any of the following malfunctions occur:
  – the vehicle docking is damaged
  – a foreign object is inside the vehicle docking
  – smoke is emitted
  – an unusual smell is emitted
  – the vehicle docking is unusually hot
  Continuing to use the vehicle docking while any of the above conditions are present may result in fire or electric shock.

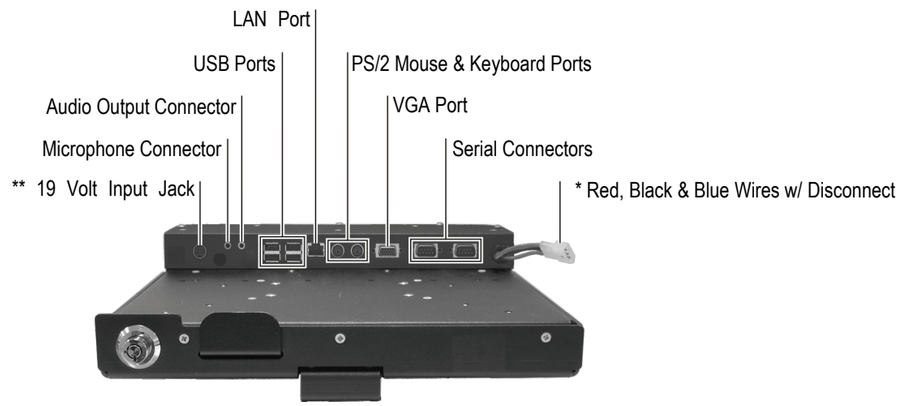
Helpful Tips (DON'T):

- Connect the vehicle docking while computer is powered on or in the Sleep or Hibernation mode.
- Attempt to make connections if there is any object between the computer and the vehicle docking. Doing so could damage the computer and the vehicle docking.
- Touch the expansion bus connector and ports of the vehicle docking.
- Touch vehicle docking during an electrical storm. Electric shock may result.

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The red LED light, built into the power switch, indicates that there is power to the unit.
Standard Installation – In this set-up, the power switch can be turned on and off to regulate power through the unit.
By-Pass Installation – In this set-up, the unit is continuously powered (bypassing the power switch) and the red LED light is lit regardless of switch position.



For the functions of ports and connectors, see chapter 1 of the B300 Operation Manual.
* Standard Installation – Use the RED & BLACK wires to utilize the power switch on vehicle docking.
* By-Pass Installation – Use the BLUE & BLACK wires to continuously power vehicle docking and bypass the power switch.
** Use only the BLACK, RED or BLUE wires to connect to the vehicles electrical system. DO NOT power the vehicle docking through the 19 volt input jack. This input jack is to be used only with the AC adapter provided by GETAC.