



MTI Instruments
Webinar Series:

How To Balance a Turbine Engine

Introducing the PBS Product Family



PBS-4100R+

Supporting
the engine test cell

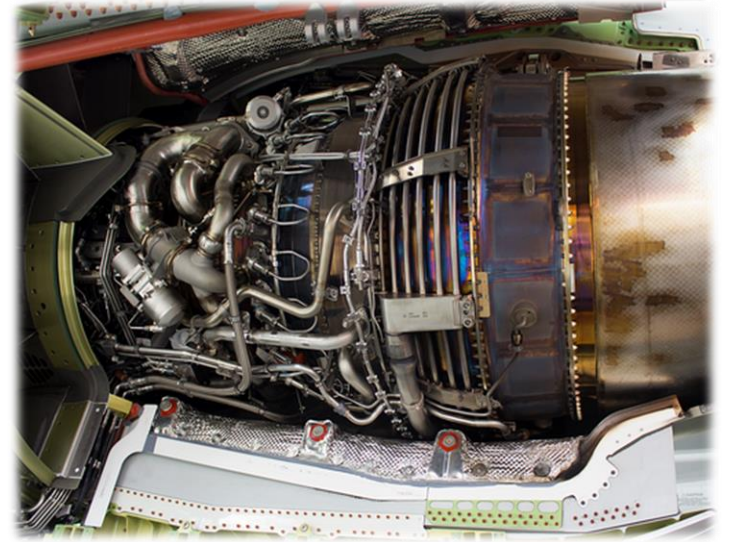


PBS-4100+

Portable, for the flight line,
connecting to the aircraft directly

Why Balance the Engine?

- Maximize propulsion readiness, maximum availability for revenue service,
- Optimize engine performance,
- Reduce maintenance significantly, saving money,
- Decrease SFC (fuel burn), saving money,
- An invaluable troubleshooting tool to find the cause of a fault,
- Reduces labor hours and costs.



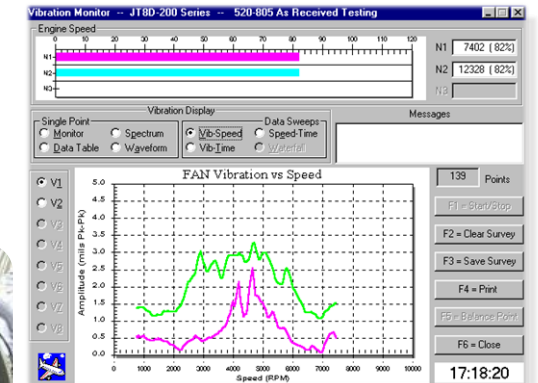
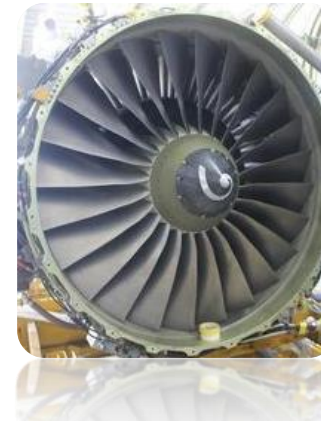
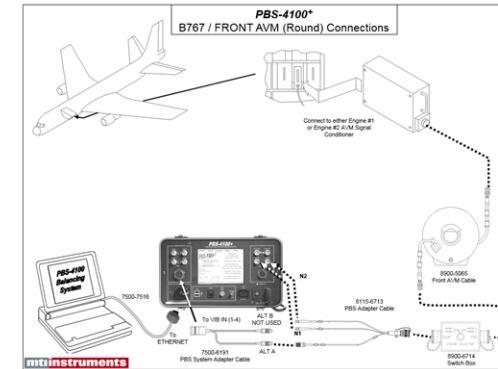
The Procedure, Top-Level

Preparation:

- Attach the PBS-4100+ equipment to the engine,
- Ready the PBS-4100+ for the engine type,

Execution:

- Take a vibration survey; identify whether the balance is required and plausible,
- Perform the trial weight (TW) or the IC Balance,
- Confirm the balance was effective and document.

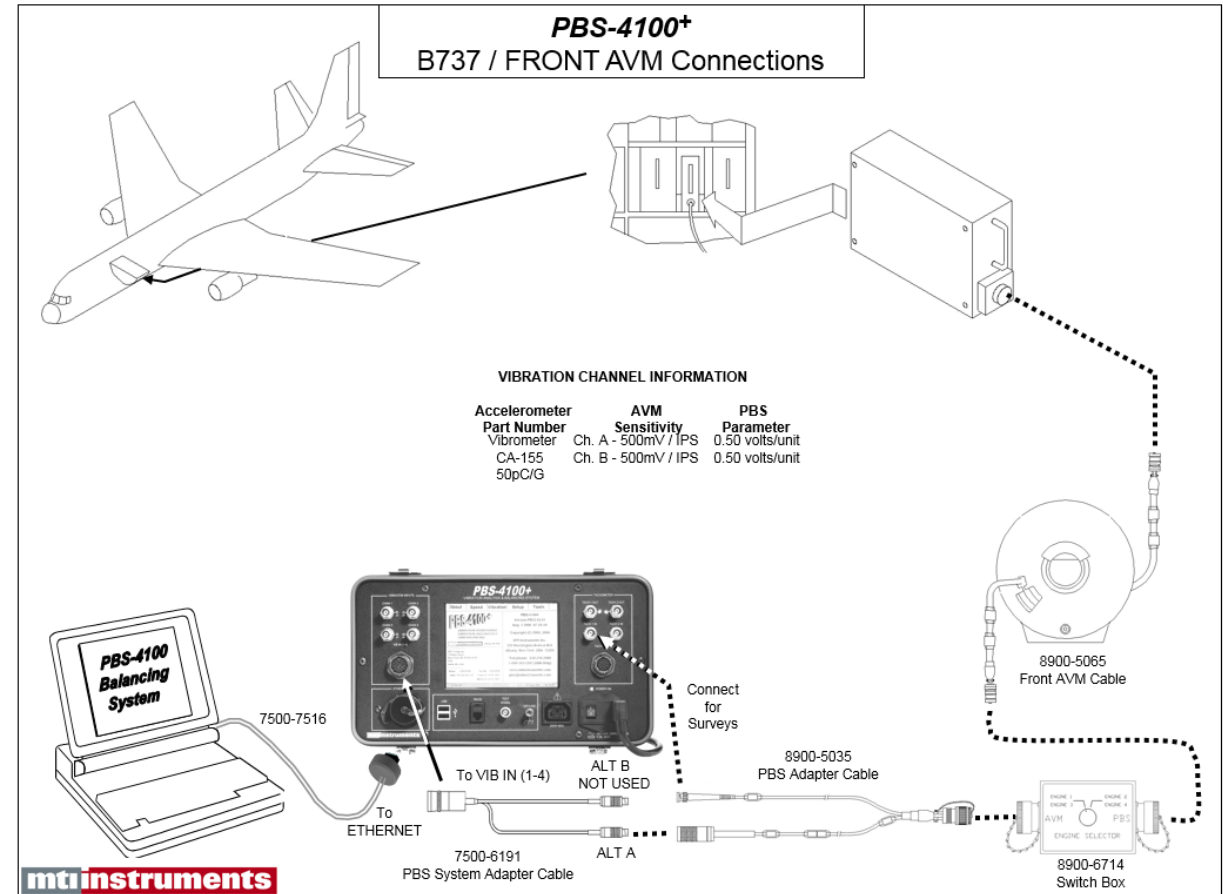


Preparation: Connecting PBS to the Engine

Two strategies to making the connections:

#1: Via the AVM diagnostic port *or*

#2: Direct to the Engine (DTE)

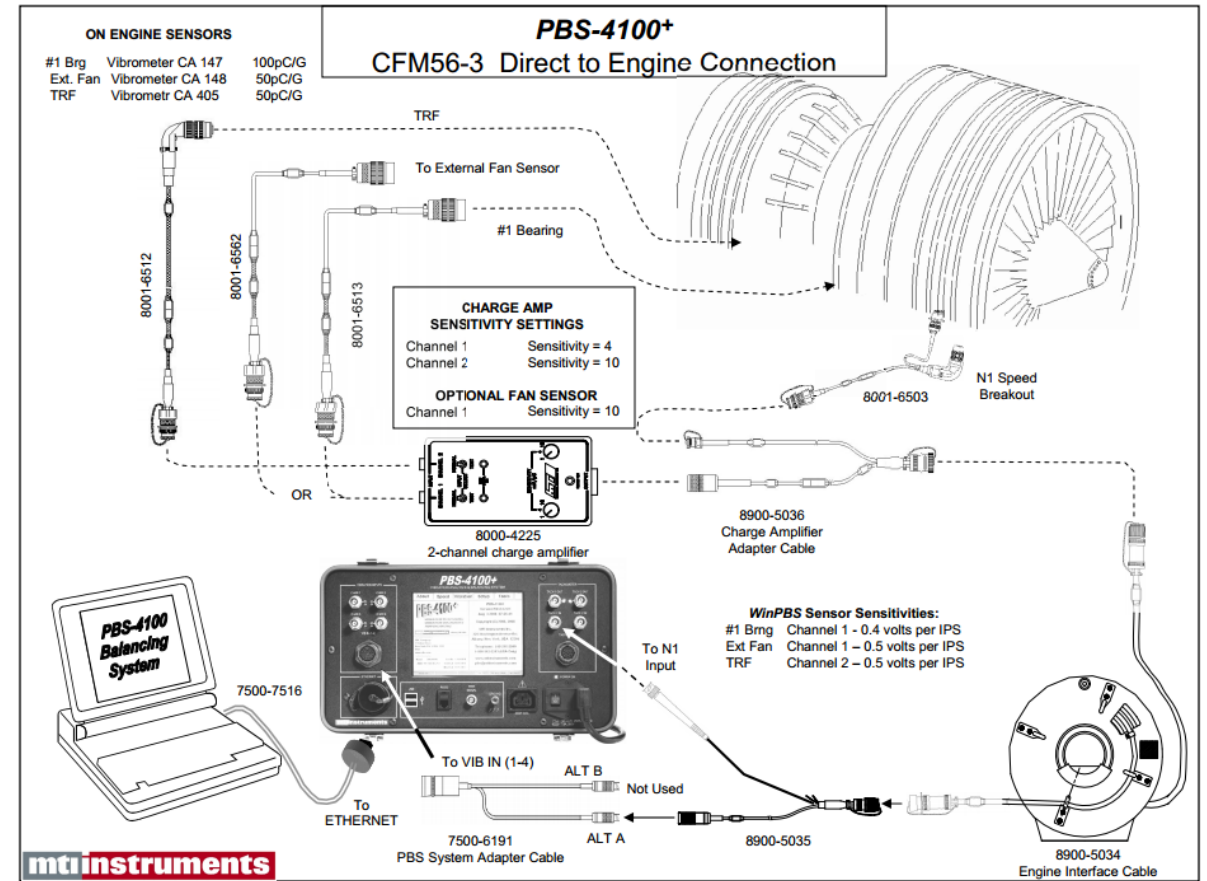


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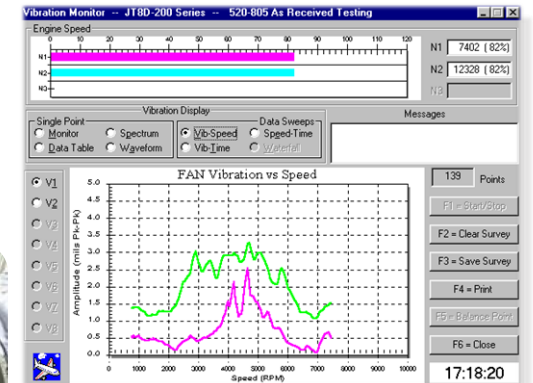
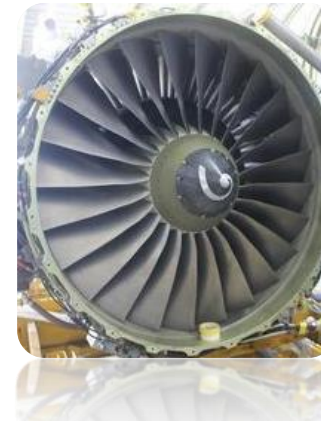
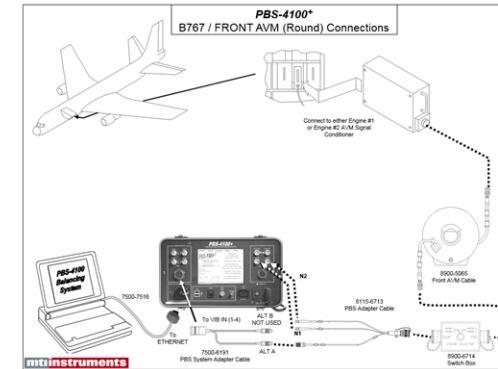
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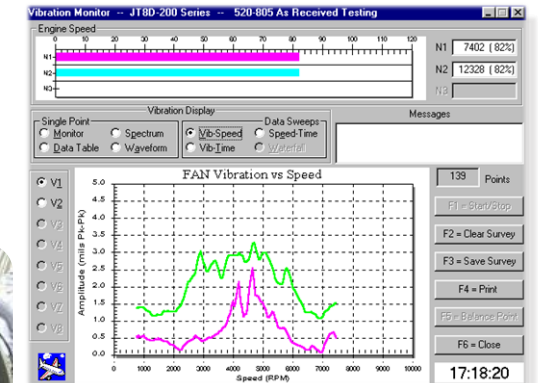
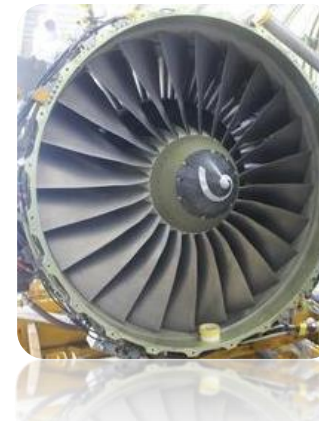
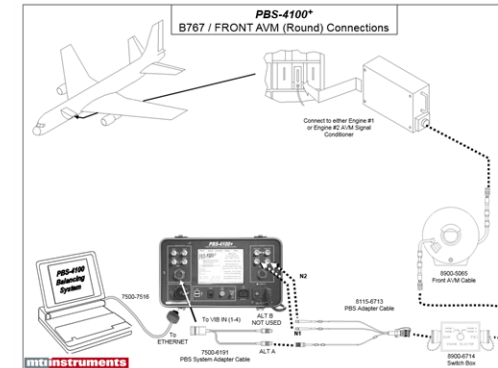
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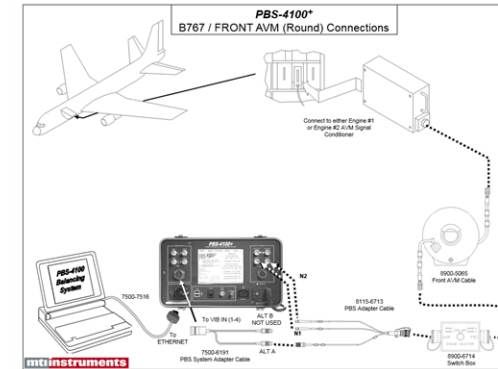
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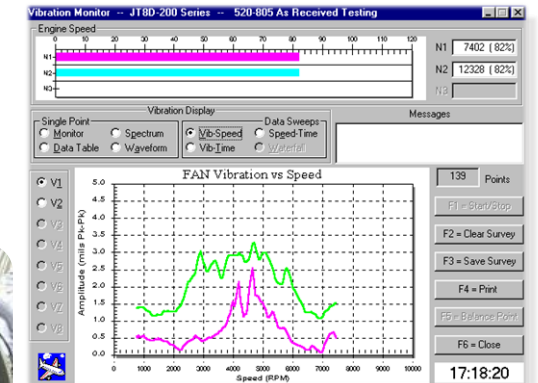
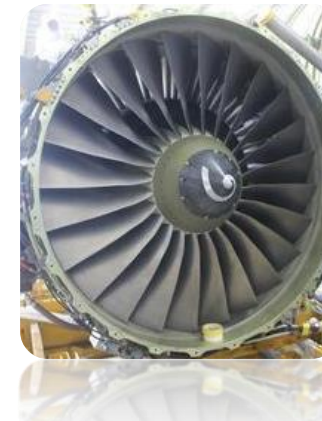
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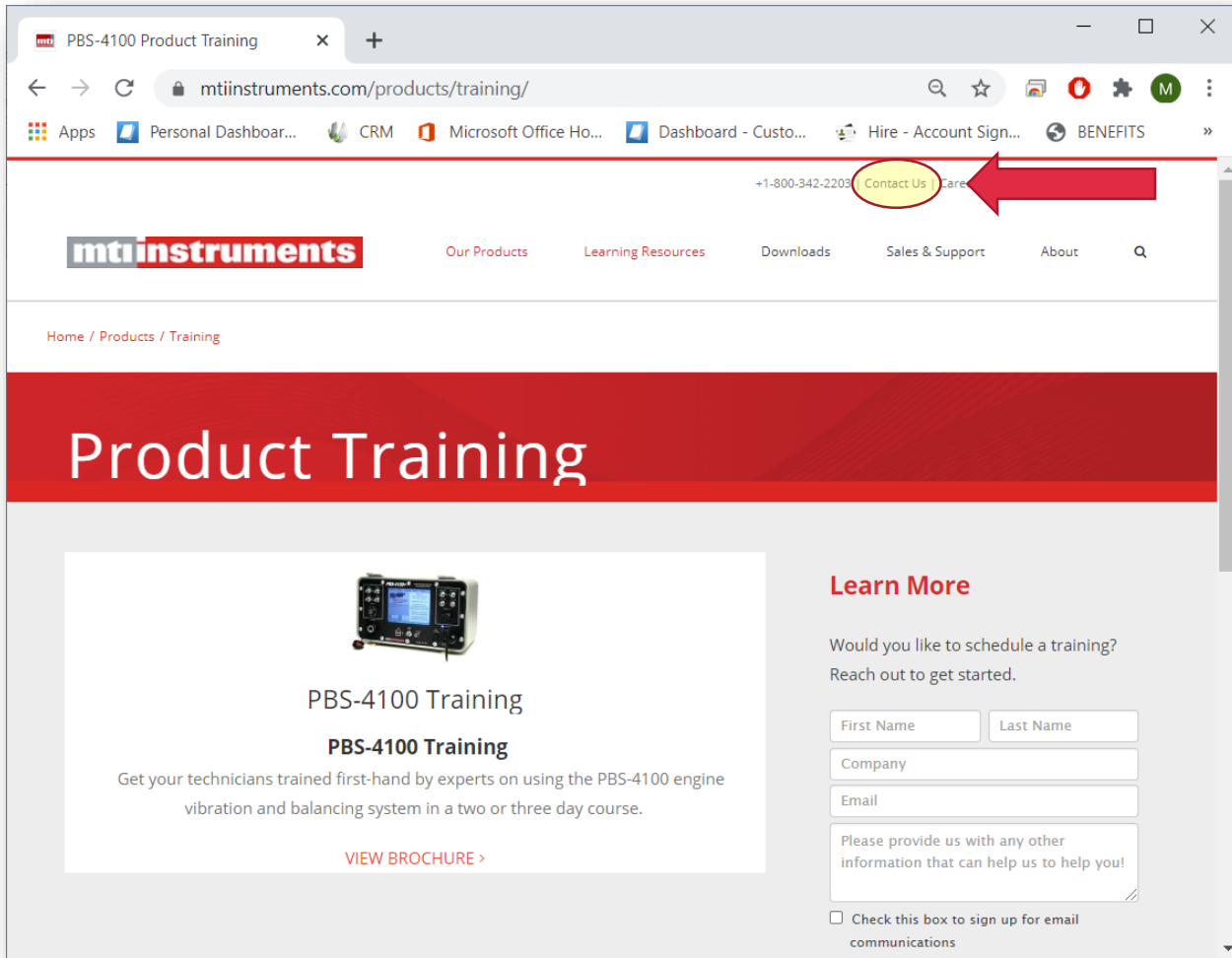
Why Balance a Turbine Engine?

Questions? Comments?



Contact US

<https://www.mtiinstruments.com/products/training/>



The screenshot shows a web browser window with the URL <https://www.mtiinstruments.com/products/training/>. The page features the MTI Instruments logo and a navigation menu with links: Our Products, Learning Resources, Downloads, Sales & Support, and About. A red arrow points to the 'Contact Us' link in the top navigation bar. Below the navigation bar, the page title 'Product Training' is displayed. The main content area includes a section for 'PBS-4100 Training' with a subheading 'PBS-4100 Training' and a description: 'Get your technicians trained first-hand by experts on using the PBS-4100 engine vibration and balancing system in a two or three day course.' A 'VIEW BROCHURE >' link is provided. To the right, there is a 'Learn More' section with a form to schedule a training session. The form includes fields for First Name, Last Name, Company, and Email, and a checkbox for signing up for email communications.

PBS-4100 Training

PBS-4100 Training

Get your technicians trained first-hand by experts on using the PBS-4100 engine vibration and balancing system in a two or three day course.

[VIEW BROCHURE >](#)

Learn More

Would you like to schedule a training?
Reach out to get started.

First Name Last Name

Company

Email

Please provide us with any other information that can help us to help you!

☐ Check this box to sign up for email communications



THANK YOU