

HITACHI
Inspire the Next

Travelstar® 2.5" Internal Hard Drive
2-in-1 Notebook PC Upgrade Kit



INSTALLATION GUIDE

For additional information please consult the support resources on our website, www.hitachigst.com/support.

For assistance troubleshooting an installation, please e-mail us at support_usa@hitachigst.com, contact technical support by phone at 1.888.426.5214 or live chat at www.hitachigst.com/support.

The **Travelstar 2-in-1 Notebook PC Upgrade Kit** is a complete hardware and software solution that makes upgrading notebook hard drives fast and easy. This kit includes everything you need to transfer all data from your existing hard drive to the new Hitachi hard drive. Once you install the new drive in your notebook PC, your old hard drive can be used with the hi-speed USB 2.0 enclosure as a separate, external drive.

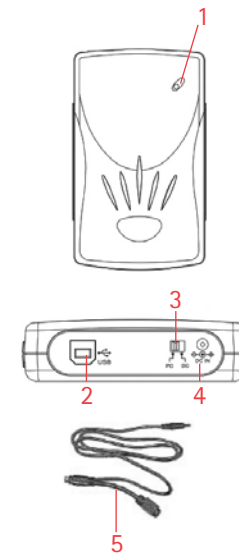
This kit includes:

- Travelstar 2.5-inch hard drive
- Apricorn EZ Gig II software
- Hi-speed USB 2.0 hard drive enclosure (USB 1.1 compatible)
- USB interface cable
- USB auxiliary power cable (should additional power be required)
- This installation guide

NOTE: For information on using additional software functions, install the EZ Gig II software in Windows and review the Apricorn EZ Gig™ II user's guide (EZ Gig II.pdf).

Hard Drive Enclosure

1. **Power-on indicator LED.**
2. **Interface Connector:** Connects to the USB interface cable provided.
3. **Power Switch:**
ON: set whenever using the enclosure.
OFF: set whenever the enclosure is not in use.
4. **External Power Jack:** Connects the external power source (USB power cable) to the unit.
5. **USB Power Cable:** Provides additional power to the enclosure. This cable plugs into a USB port found on most notebook PCs.



NOTE: For Win98/ME systems, please see the notebook PC upgrades FAQ for driver installation procedures at www.hitachigst.com/support.

Preparing for Data Transfer

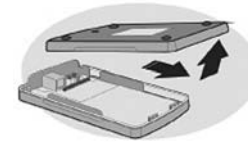
Before running the Upgrade CD, you should:

1. **Back-up your critical data files as a precaution.**
2. Find your notebook users guide to reference hardware disassembly of your notebook PC.
3. Check with the manufacturer if you have any questions regarding the warranty on the notebook PC. Opening the notebook may void your warranty on the notebook.
4. Clean up any file-system errors by running Windows Scandisk (or a similar disk cleanup utility) on your internal hard drive.
5. Defrag your hard drive using the Windows Disk-Defragmenter Utility (or a similar disk defrag utility) on your internal hard drive.
6. Attach the AC adapter to your notebook PC and make sure it is not running on battery power.
7. Insert the Upgrade CD into your notebook PC. The CD may launch the **EZ GIG II** installation utility. Click **exit** and shut down your notebook.

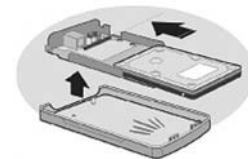
Connect the Hardware

Follow these steps to install the hard drive into the enclosure:

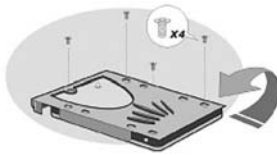
1. Grasp the case bottom; slide lower case backward for approximately $\frac{1}{4}$ inch, then lift it to separate from case top.
2. Separate the circuit board and plastic base from the case top. To insert the hard drive, (label side up) align the connector on the hard drive with the black socket on the enclosure circuit board inlay. If necessary, you may lift the plastic base out from the lower half of the shell to allow the drive to slide in cleanly. The grey sidewalls will act as a guide, properly aligning the connector with the black socket and ensuring a proper connection. Carefully slide, but do not force, the hard drive toward the black socket until fully seating the connector.



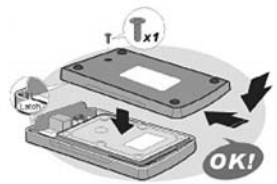
STEP 1



STEP 2



STEP 3



STEP 4

3. Turn over the circuit board and attach the hard drive with all four screws.
Align the latches of the case bottom and case top.
 4. Close the case by reversing the process described in step 1. Install the fastening screw on the underside of the case to complete the assembly.
 5. With your notebook powered down, insert the USB cable into the interface connector on the enclosure, and plug the other end of the USB cable into a USB port on your notebook PC.
 6. Connect the USB auxiliary power cable to the enclosure and to a USB port on the notebook.
- NOTE: The enclosure may not require additional power. However, we recommend using the USB auxiliary power cable during the upgrade process. To do so calls for the use of two USB ports on your notebook PC simultaneously.*
7. Set the enclosure power switch to the ON position.

Clone Existing Hard Drive

The Upgrade CD has the ability to be a bootable disk transfer utility that can copy hard drives without booting to the Windows operating system.

1. Turn on the notebook PC and interrupt the start-up process by immediately going into the system BIOS screen.* Set the CD-ROM as the **first boot device**, save your changes, and exit the BIOS to reboot the notebook. We recommend you document the original BIOS settings and restore them to their original configuration after the upgrade process completes.

**NOTE: Consult your notebook PC's user manual for instructions on how to enter the system BIOS and change the boot order.*

2. Once the BIOS is set correctly, the notebook PC should boot to the CD and start the software.

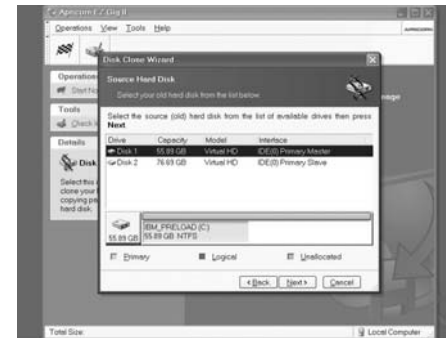
Hitachi recommends that you perform your Travelstar hard drive upgrade by booting directly from the Upgrade CD. For instructions to upgrade or image a drive from within Windows, please visit the notebook PC upgrades section under product FAQs at www.hitachigst.com/support.



STEP 4

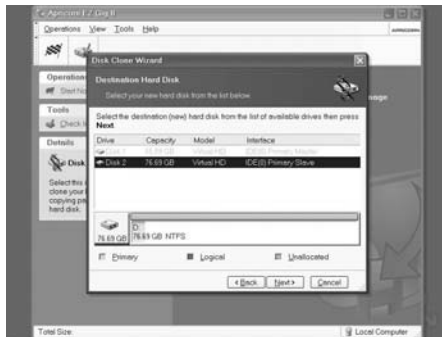


STEP 5



STEP 6

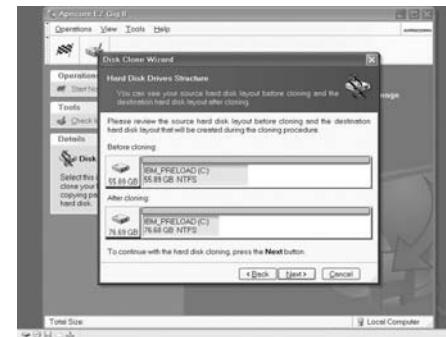
3. When the Upgrade CD has successfully booted, you will see the **EZ Gig II** main program window.
4. Select **Disk Clone** from the EZ Gig II main program window and click **Start Now**. This will start the cloning program.
5. The **Disk Clone Wizard** screen will appear. Select **Automatic** and click **Next** to continue.
6. The **Source Hard Disk** screen will appear. Select the proper source hard drive from the list. The source hard drive is typically the original hard disk. Click **Next** to continue.



STEP 7



STEP 8



STEP 9

7. The **Destination Hard Disk** screen will appear. Select the proper destination hard drive from the list. The destination hard drive is typically your new drive. If you have installed the new drive in the enclosure, the interface column lists it as USB. Click **Next** to continue.
8. The **Nonempty Destination Hard Disk** screen appears when you have selected to clone to a drive that already contains data. When you have chosen the proper source and destination drive, click **Next**, then select the **Delete partitions on the destination hard disk** radio button. Click **Next** to continue.
9. The **Hard Disk Drives Structure** screen will appear. Here you can see your source hard drive layout before the upgrade and the destination hard drive layout after the upgrade. Click **Next** to continue.

NOTE: If the destination hard disk does not appear on the screen, check to make sure both the USB interface cable and the USB auxiliary power cable are securely connected.



STEP 10



STEP 11

NOTE: The time it takes to complete cloning of data will vary depending on the speed of the system and capacity of the drives.

10. The next screen outlines the **Disk Clone** process. You can click the **Back** button to review or change any of the settings. When you are ready to begin the cloning process, click **Proceed** to begin.
11. The cloning process will now begin. Do not turn off your notebook PC during this process. Let the process continue until you see **Disk cloning was successfully completed**. When you click **OK** in the information window, the EZ Gig II main program window will return.
12. Turn off your notebook PC using the power button. Then unplug the enclosure's USB cable from the computer. **DO NOT REBOOT THE NOTEBOOK PC WITH A CLONED HARD DRIVE STILL ATTACHED**. Doing so may alter settings of the Windows operating system.

Switch the Hard Drive

When the data transfer completes, you are ready to install your new hard drive into the notebook. Remove the Upgrade CD. Turn off the notebook and disconnect the enclosure's data and power cables. Disconnect the notebook power adapter and remove the notebook battery to reduce the risk of damage or electrical shock.

Some notebooks may have the disk drive mounted under a cover. Other notebooks may have the original drive mounted inside a "drive caddy" to allow quick removal of the drive from the notebook. If mounted inside a drive caddy, carefully remove the hard drive from the caddy. Be careful not to damage the hard drive connector or any interface connectors. The hard drive may have a cover on the connector. Please take careful note of all custom hardware pieces and their orientation.

Remove the original drive and replace it with the new one. If the original drive mounts inside a caddy or uses custom hardware, install the new drive using the same hardware and insert the assembly back into the notebook. For specific instructions, please refer to your notebook user manual or manufacturer's website.

After complete reassembly, power on your notebook PC and boot to your new hard drive.

Consult the notebook PC user manual or manufacturer's website for instructions on how to remove the original hard drive.

NOTE: Do not connect your original drive to the laptop until after you boot to your new drive. Doing so can result in unusual behavior in Windows and potential operating system corruption.

Warranty

This Statement of Limited Warranty applies to Hitachi Global Storage Technologies' hard disk drives purchased through our authorized distribution network. The information regarding the upgrade process is provided for information purposes only, and comes without any warranty. Please refer to the "Items Not Covered by Warranty" section below.

Statement of Limited Warranty: Part 1—General Terms

The warranties provided by Hitachi Global Storage Technologies, Inc. ("Hitachi Global Storage Technologies") in this Statement of Limited Warranty apply only to Machines you purchase for your use, and not for resale, from an authorized Hitachi Global Storage Technologies Distributor and returned from the countries listed in the Extent of the Hitachi Global Storage Technologies Warranty section below. The term "Machine" means a Hitachi Global Storage Technologies machine, its features, conversions, upgrades, elements, or accessories, or any combination of them. The term "Machine" does not include any software programs, whether pre-loaded with the Machine, installed subsequently or otherwise. Nothing in this Statement of Warranty affects any statutory rights of consumers that cannot be waived or limited by contract. If you have any questions, contact Hitachi Global Storage Technologies or your reseller.

Machine—Hitachi Global Storage Technologies HDDs purchased from or supplied through an authorized Hitachi Global Storage Technologies Distributor. The term "Machine" includes a Hitachi Global Storage Technologies machine, its features, conversions, upgrades, elements, or accessories, or any combination of them. The term "Machine" does not include any software program, whether pre-loaded with the Machine, installed subsequently, or otherwise.

Warranty Period: Travelstar Products, 2.5" form factor—3 years

To obtain warranty service information for the Machine, contact the appropriate Hitachi Global Storage Technologies Call Center.

The Hitachi Global Storage Technologies Warranty for Machines

Hitachi Global Storage Technologies warrants that each Machine 1) is free from defects in materials and workmanship and 2) conforms to Hitachi Global Storage Technologies' Official Published Specifications. (See <http://www.hitachigst.com> for details) The warranty period for a Machine is a specified, fixed period commencing on your date of purchase. A valid proof of purchase may be required. If you do not have a valid proof of purchase, the warranty period will be measured from the date of sale from Hitachi Global Storage Technologies to the authorized Hitachi Global Storage Technologies Distributor.

If, during the warranty period, the Machine is not in good working order, Hitachi Global Storage Technologies will, at its option, repair or replace it at no additional charge, except as is set forth below. A refund may also be available from your point of purchase.

In some cases, the replacement Machine may not be new and may have been previously installed. Regardless of the Machine's production status, Hitachi Global Storage Technologies' appropriate warranty terms apply.

Extent of Warranty

The warranty does not cover the repair or exchange of a Machine resulting from misuse, accident, modification, unsuitable physical or operating environment, improper maintenance by you, or failure caused by a product for which Hitachi Global Storage Technologies is not responsible. The warranty is voided by removal or alteration of Machine or parts identification labels.

THESE WARRANTIES ARE YOUR EXCLUSIVE WARRANTIES AND REPLACE ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THESE WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION

OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD.

The warranty described in this statement applies only to drives returned from the United States, Canada, Mexico, Austria, the Netherlands, Ireland, United Kingdom, France, Spain, Portugal, Switzerland, Denmark, Norway, Germany, Italy, Sweden, Greece, Luxembourg, Belgium, Finland, Australia, Hong Kong, South Korea, Malaysia, New Zealand, Singapore, Taiwan, and Thailand.

For warranty service in other countries, contact your point of purchase.

Items Not Covered by Warranty

Hitachi Global Storage Technologies does not warrant uninterrupted or error-free operation of a Machine.

Unless specified otherwise, Hitachi Global Storage Technologies provides non-Hitachi Global Storage Technologies machines WITHOUT WARRANTIES OF ANY KIND.

Any technical or other support provided for a Machine under warranty, such as assistance via telephone with "how-to" questions and those regarding Machine set-up and installation, will be provided WITHOUT WARRANTIES OF ANY KIND.

Warranty Service

Warranty service may be obtained from Hitachi Global Storage Technologies by returning a Hitachi Global Storage Technologies Returns Material Authorization and the Machine to the Hitachi Global Storage Technologies logistics center during the warranty period. You may be required to present proof of purchase or other similar proof of warranty entitlement. You are responsible for any associated transportation charges, duties and insurance between you and the Hitachi Global Storage Technologies Logistics Center. In all instances, you must ship Machines in Hitachi Global Storage Technologies approved packaging. Information on packaging guidelines can be found at:

<http://www.hitachigst.com/warranty>. Hitachi Global Storage Technologies will ship repaired or replacement Machine Delivery Duty Prepaid (DDP) and will pay for return shipment. You will receive title to the repaired or replacement Machine at the Logistic Center and will be the importer of record.

The following Logistic Centers will accept returned Machines for Hitachi Global Storage Technologies:

North America:

Hitachi Global Storage Technologies, Inc.
c/o UPS Worldwide Logistics
Alvarado Business Park, 30336 Whipple Road, Bldg. F
Union City, CA 94587, United States

When warranty service involves the exchange of a Machine or part, the item Hitachi Global Storage Technologies or your reseller replaces becomes its property and the replacement becomes yours. You may obtain an RMA by contacting the appropriate Hitachi Global Storage Technologies Call Center or at <http://www.hitachigst.com/warranty>. You represent that all removed items are genuine and unaltered. In some cases, the replacement Machine may not be new and may have been previously installed. Regardless of the Machine's production status, Hitachi Global Storage Technologies' appropriate warranty terms apply.

Before Hitachi Global Storage Technologies or your reseller exchanges a Machine or part, you agree to remove all features, parts, options, alterations, and attachments not under warranty service.

You also agree to

1. ensure that the Machine is free of any legal obligations or restrictions that prevent its exchange;
2. obtain authorization from the owner to have Hitachi Global Storage Technologies or your reseller service a Machine that you do not own; and

3. where applicable, before service is provided
 - i. follow the problem determination, problem analysis, and service request procedures that Hitachi Global Storage Technologies or your reseller provides,
 - ii. secure all programs, data, and funds contained in a Machine, and
 - iii. provide Hitachi Global Storage Technologies or your reseller with sufficient, free, and safe access to your facilities to permit them to fulfill their obligations.

Hitachi Global Storage Technologies is responsible for loss of, or damage to, your Machine while it is 1) in Hitachi Global Storage Technologies' possession or 2) in transit in those cases where Hitachi Global Storage Technologies is responsible for the transportation charges.

Neither Hitachi Global Storage Technologies nor your reseller is responsible for any of your confidential, proprietary or personal information contained in a Machine which you return to Hitachi Global Storage Technologies or your reseller for any reason. You should remove all such information from the Machine prior to its return.

Production Status

Each Hitachi Global Storage Technologies Machine is manufactured from new parts, or new and used parts. In some cases, the Machine may not be new and may have been previously installed. Regardless of the Machine's production status, Hitachi Global Storage Technologies' appropriate warranty terms apply.

Limitation of Liability

Circumstances may arise where, because of a default on Hitachi Global Storage Technologies' part or other liability, you are entitled to recover damages from Hitachi Global Storage Technologies. In each such instance, regardless of the basis on which you are entitled to claim damages from Hitachi Global Storage Technologies (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), Hitachi Global Storage Technologies is liable for no more than

1. damages for bodily injury (including death) and damage to real property and tangible personal property; and
2. the amount of any other actual direct damages up to the greater of (i) US \$ 10,000 (ten thousand US dollars) or the equivalent in local currency, or (ii) the charges for the Machine that is the subject of the claim.

This limit also applies to Hitachi Global Storage Technologies' suppliers and your reseller. It is the maximum for which Hitachi Global Storage Technologies, its suppliers, and your reseller are collectively responsible.

UNDER NO CIRCUMSTANCES IS Hitachi Global Storage Technologies LIABLE FOR ANY OF THE FOLLOWING: 1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES (OTHER THAN THOSE UNDER THE FIRST ITEM LISTED ABOVE); 2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR 3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF Hitachi Global Storage Technologies, ITS SUPPLIERS OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

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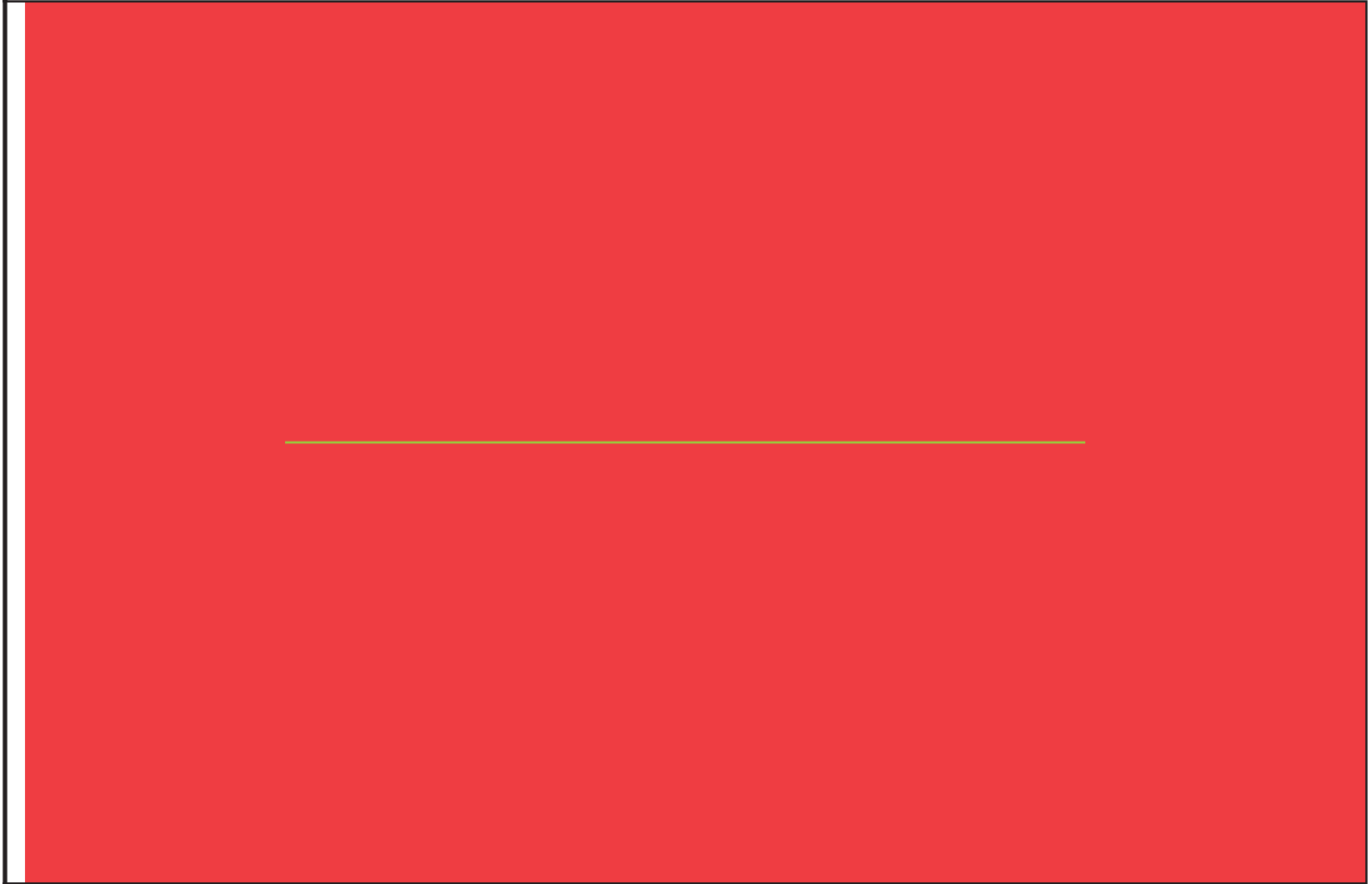
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