

# TIVO UPGRADE INSTRUCTIONS

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Instructions for Series 1 DirecTV/TiVo GXCEBOT TWO-DRIVE REPLACE upgrade  
Color instructions are also available at [http://www.weaknees.com/upgrade\\_instructions.php](http://www.weaknees.com/upgrade_instructions.php)

## WORDS OF CAUTION:

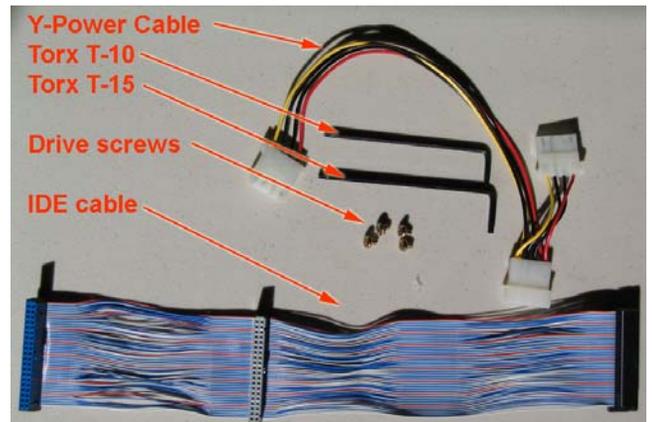
Please be aware that upgrading presents a few physical hazards. As with most consumer electronics devices, components in the TiVo may still carry a charge, even after disconnecting from your power supply. Be aware of this while working inside your TiVo. Allow sufficient time for discharging of components and avoid contact as much as possible with potential hazards. While we have done everything we can to provide accurate, easy-to-follow instructions, we cannot be responsible for any damage done to your TiVo or to yourself as a result of your upgrade. Please be VERY careful when upgrading. NEVER open the TiVo while the unit is plugged in and NEVER operate the TiVo if the lid is not securely fastened.

Please Note: Opening the TiVo voids the warranty.

## THIS KIT INCLUDES:

- 1 T10 Torx L-Key
- 1 T15 Torx L-Key
- 4 Drive screws
- 1 IDE hard drive cable (actual cable may vary from picture)
- 1 Y-power
- 1 Upgrade hard drive (not shown)
- 1 Set of upgrade instructions (not shown)

You will also need a Phillips-head screwdriver



## 1. OPENING THE TIVO

Unplug the power cord from your electrical outlet and wait five minutes for the TiVo to discharge. Do not plug the TiVo back in until you are completely finished. Be very careful of static electricity, which can destroy your TiVo's internal parts. You should not perform this upgrade on carpet.

Using the Torx T10 (smaller of the two) L-key included with your kit, unscrew the four lid screws on the back of your TiVo. The four screws are surrounded by silver from the top of the TiVo's case.

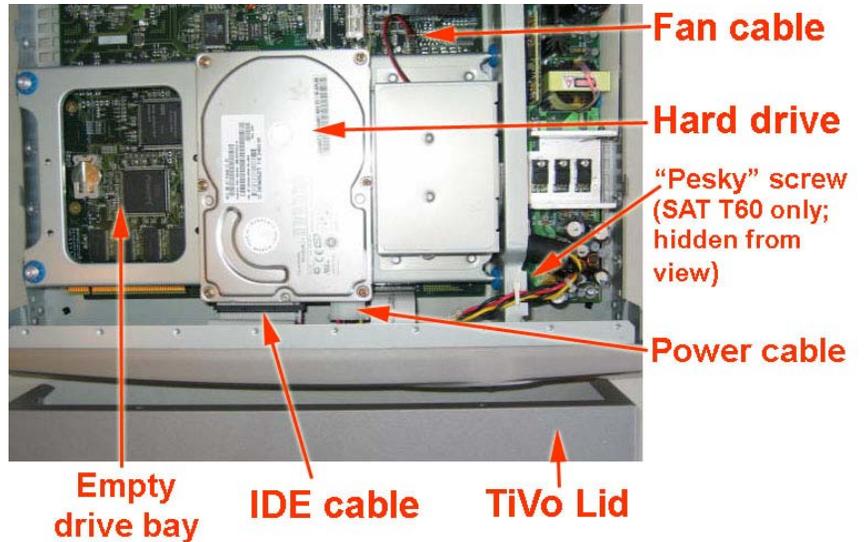
Once the four screws are removed, remove the lid. Place your palms on the top side edges of the TiVo, toward the back and push toward the back of the TiVo (this occasionally requires a bit of force). The cover should slide back and then up. Remove the cover from the TiVo.



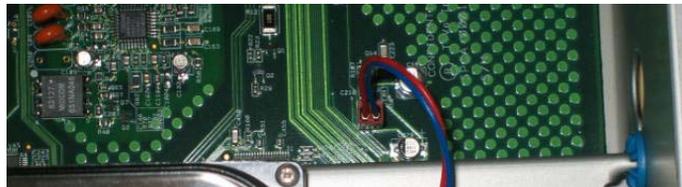
## 2. DISCONNECTING THE DRIVE BAY

Place the TiVo lid upright in front of the TiVo, forming a platform that will be used to support the drive bay after you remove it.

With the cover off and looking underneath the front lip of the TiVo, you will be able to see (1) a multi-colored (red, black, yellow) power cable that runs from the power supply to the hard drive, (2) a gray IDE ribbon cable that runs from the greenish motherboard underneath the drive to the hard drive, (3) one hard drive, and (4) a fan cable (two-wires; red/black or red/blue) that runs from the hard drive bay to the motherboard.



Gently remove the fan cable from the motherboard. Pull straight up and out.



Using your Torx T15 L-key (larger of the two, although either may work for these screws), unscrew and remove the two screws on the left-hand side of the drive bay (as you are looking at the front of the TiVo). Also remove the gold inserts from the blue grommets and keep the two screws inside the gold-colored inserts. [In the picture at the right, the front of the TiVo is to the left.]



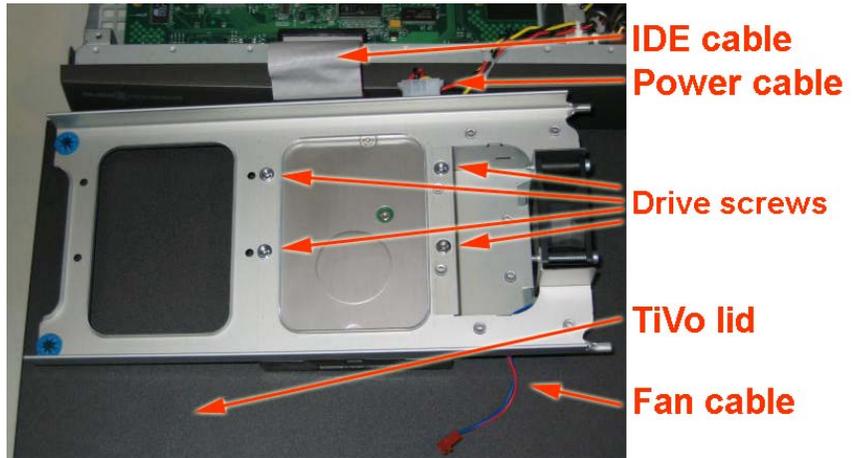
Once the screws and inserts are removed, you will be able to lift the drive bay up from the left side (as you are looking at the front of the TiVo) and slide it out of the two holes on the right side of the drive bay. As you slide the drive bay up and out of the TiVo, do two things simultaneously (1) support the right side of the bracket to prevent it from falling onto the motherboard as you pull it out of the holes, and (2) be mindful of the drive cable and power cable that are still connected to the drive. Flip the drive bay up and out of the TiVo and onto the TiVo lid, with the hard drive face-down on the TiVo lid and the two cables running from the drive to the TiVo



You will now need to remove both of the cables connected to the hard drive by following the instructions below:

The hard drive has a power connector running into the hard drive. The power cable has a white connector plugged into the hard drive. Remove the power connector from the hard drive. The power cables are sometimes difficult to remove; patience and wiggling it back and forth usually does the trick.

Remove the hard drive ribbon cable (longer, gray cable with a blue or black connector) from the hard drive by pulling on the hard plastic piece connected to the hard drive.



### 3. REMOVING THE EXISTING DRIVE

Before removing the factory drive, take note of its position and orientation on the drive bay. Note in particular the direction in which the drive connectors face.

With the hard drive bay upside-down on the TiVo lid, use your Torx T15 L-key to remove the four screws connecting the hard drive to the hard drive bay. Set these screws aside, and do not confuse them with the four screws you removed from the back of the TiVo when you removed the lid. Once you have removed the hard drive, set it aside for safe keeping.

If you purchase a replacement fan for your TiVo, now is the time to replace it. Please refer to the separate fan replacement instructions and follow the steps in Section 3.



### 4. CONNECTING THE NEW HARD DRIVES TO THE DRIVE BAY

Install your two drives in the positions shown in the picture. (Your drives will look different than those in the picture.) Align the new hard drive(s) on the drive bay, as shown. Use the 4 screws that were included with your kit and the 4 screws you removed from your drive in step 3.

We have found that the easiest way to attach the drive to the bracket is to turn the bracket upside down. Using one hand, hold the drive against the bottom of the bracket and look through the holes in the drive bay to align the screw holes. Using your hands, screw the screws into each of the four holes. Use your Torx T15 L-key to tighten the screws. **NOTE: Do NOT change the jumper on any of your upgrade drive(s). The jumpers (or in some cases absence of jumpers) are correct.**



## 5. REPLACING THE POWER CABLE AND IDE CABLE

Your upgrade kit contains two cables. The first is a multi-color (black, red, yellow) power splitter cable. The second is a hard drive IDE cable. You will first need to ADD the power cable to the end of the existing TiVo power cable and REMOVE the current IDE hard drive cable from the TiVo.

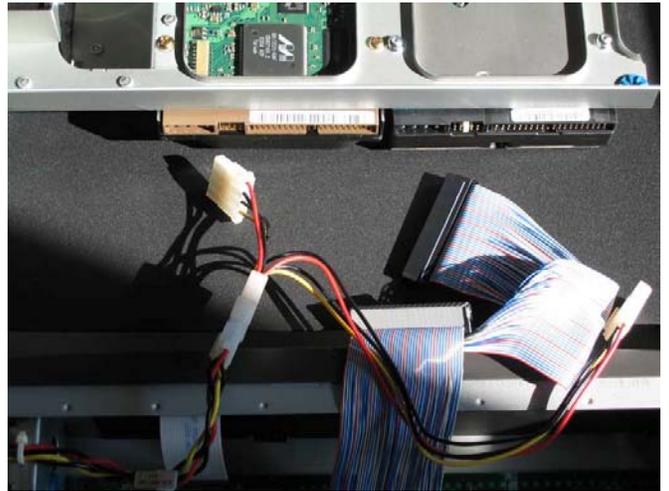
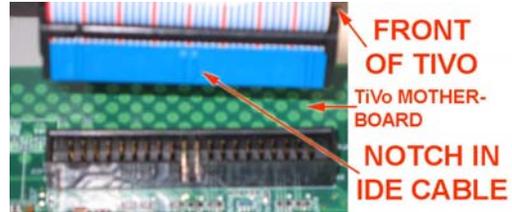
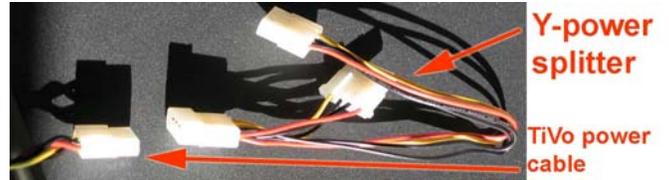
Carefully remove the gray ribbon cable from the TiVo's motherboard and set it aside. Pull straight up from the black plastic piece attached to the motherboard. Be very careful with static and do not touch the motherboard itself. You will not need the cable for this upgrade.

Take the red/yellow/black power splitter cable included with your upgrade kit and connect it to the TiVo power cable that you removed from the factory hard drive (only one end of the splitter cable will fit into to the TiVo power cable).

Install the hard drive cable that was included in your upgrade kit into the motherboard. The blue connector attaches to the TiVo motherboard. The other two connectors (black and gray) connect to each of the two drives (see below). You will notice a slight groove in one side of the plastic connector. That small groove aligns with the groove on the motherboard socket.

Once you have connected both the power cable and the hard drive cable, you should have a hard drive cable and a power cable hanging out of your TiVo.

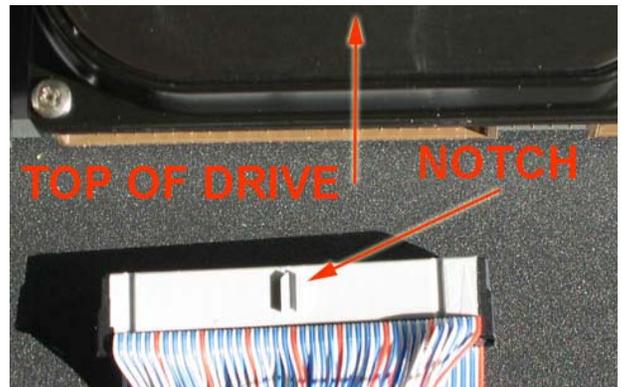
NOTE: Your IDE cable may look different than the one pictured.



## 6. CONNECTING THE POWER AND HARD DRIVE CABLES TO THE DRIVES

Connect the two power cords to the two drives, being sure to align the power connectors properly (rounded side down). Be sure that the power connectors are securely fastened.

Connect the IDE hard drive cable to each of the hard drives. The *middle* connector (generally gray) attaches to your "B" drive; the *end* connector (black) attaches to your "A" drive. Be sure the cable is pushed snugly into the drive (it only fits one way). Be very careful not to bend any of the hard drive pins. Once you have attached your IDE cable to the drives, you can remove the "A" and "B" labels from your hard drives.



## 7. RE-ATTACHING THE DRIVE BAY

Now, carefully flip the drive bay over. You will need to insert the two pins on the right into the light blue grommets, while at the same time watching the power connectors and the gray hard drive cable. You will want to tuck the power cables down into the TiVo (in front of the hard drives). You will also want to watch the fan cable (the lone red/blue cable) to be sure that it hangs free.

Once the two pins are in the blue grommets, align the left side of the drive bay so that it is directly over the screw holes on the left side of the TiVo.

Screw the two screws (and gold inserts) back into the holes on the left side of the drive bay using the Torx T15 L-key.

**Insert the fan cable back into the motherboard. (This is easy to forget, which is why it is in bold!)**



## 8. RE-ATTACHING THE TIVO LID

Kneel down in front of your TiVo as you did when you removed the lid. Place the TiVo lid back over the TiVo. Align the clips on each side of the lid so that they clip down on the sides of your TiVo. Slide the lid toward you while simultaneously pushing down on the top of the lid. Once the lid is in place, reattach the four Torx screws using your T10 L-key. Reconnect your TiVo to your television and power it on.

### IMPORTANT NOTES:

- (1) When you first power on your TiVo, you will see a message saying, *“Clearing and Deleting Everything. This will take an hour.”* It will actually take about 10-15 minutes, and is completely normal.
- (2) During the setup process, if your TiVo sticks at 28% when detecting your satellite, please refer to the separate instructions included with your kit. This is a DirecTV problem that is easy to resolve; it affects some units, but not all.

After you have gone through guided setup, you will be able to verify your TiVo's new capacity in the System Information screen.



ENJOY! We thank you very much for your purchase and hope that you enjoy your newly-upgraded TiVo. Please email us with any comments, suggestions or complaints. If you found the upgrade easy to install (or even if you found it more difficult than you expected), we'd love to know. If you found our service to be excellent (or awful), we want to know that too. We're always looking to improve our products and services...the more we hear from you, the better. Thanks very much!