

TIVO FAN INSTALLATION INSTRUCTIONS

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WORDS OF CAUTION:

First and foremost, please be aware that opening a TiVo presents a few physical hazards. As with most consumer electronics devices, components in the TiVo may still carry a lethal 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*.

IF YOUR TIVO MODEL IS

DSR6000 DSR6000R DSR6000R01	Hughes GXCEBOT Hughes GXCEBOTD	AT&T/Comcast TCD130040 TiVo TCD140060
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FOLLOW THE INSTRUCTIONS ON THE NEXT PAGE!

FOR ALL OTHER TIVO MODELS:

Installation of your case fan is quite easy. Simply:

- 1) TURN OFF THE TIVO, and wait 5 minutes for the TiVo to discharge.
- 2) Unscrew the 4 or 5 Torx screws on the back of your TiVo
- 3) Remove the lid by sliding it back and pull it up and off
- 4) Unscrew the four screws holding the fan in place
- 5) Pull the connector on the motherboard straight up and off the motherboard
- 6) Reverse the process to install the fan. **NOTE: The new fan MUST be installed in the proper direction. The fan label MUST touch the back of your TiVo case. The fan label should NOT face the inside of the TiVo.**

NOTE FOR SVR3000 owners: Fan instructions are located here:

<http://www.weaknees.com/tivo-fans.php>

(Email for any questions.)

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DSR6000 DSR6000R DSR6000R01	Hughes GXCEBOT Hughes GXCEBOTD	AT&T/Comcast TCD130040 TiVo TCD140060
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FOLLOW THESE INSTRUCTIONS:

1. OPENING THE TIVO

1.1. Unplug the power cord from the TiVo 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 shouldn't perform this upgrade on carpet.

1.2. Unscrew the four Torx screws on the back of your TiVo. The four screws are surrounded by black from the top of the TiVo's case (there are four other screw which you should NOT remove).

1.3. Once the four screws are removed, you have to remove the lid, which can sometimes be difficult. The "tried and true" method is to place the TiVo on the floor and kneel down with your knees about 6 inches from the FRONT of the TiVo. 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

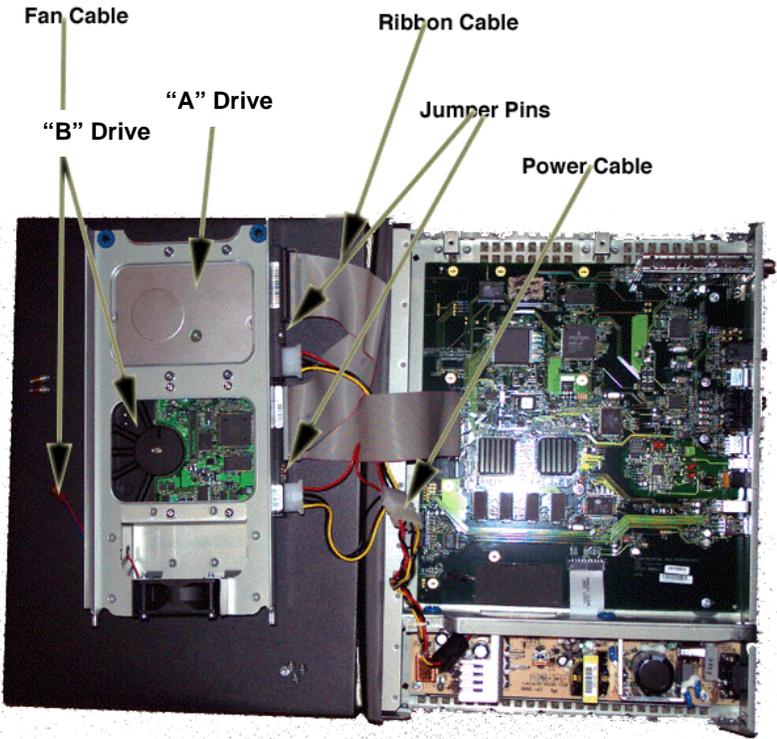
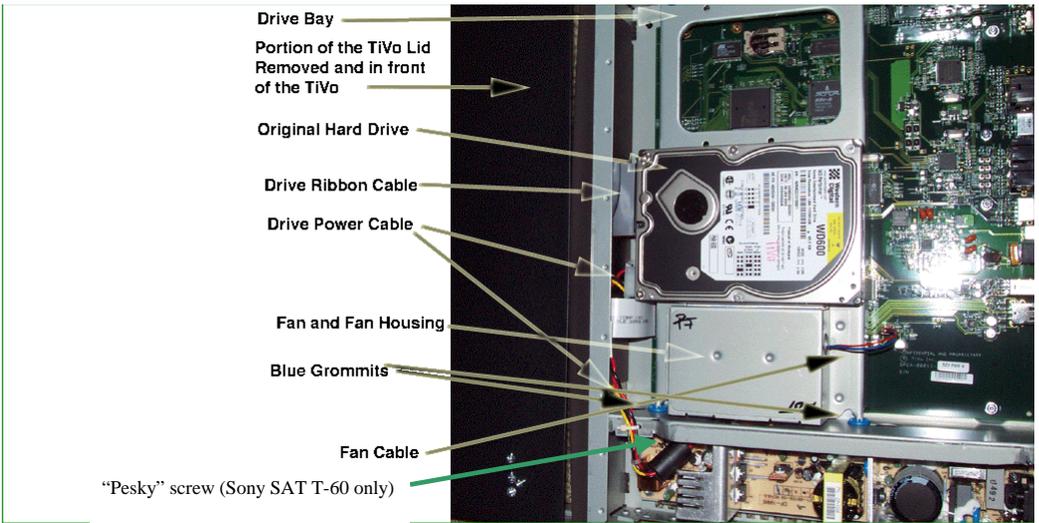
2.1. With the cover off and looking underneath the front lip of the TiVo, you will be able to see (1) one (or possibly two) hard drive(s), (2) a ribbon cable that runs from the greenish motherboard underneath the drive to the hard drive, (3) a multi-colored (red, black, yellow) power cable that runs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

2.2. 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.

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

2.4. (SONY SAT-T60 ONLY): Using the picture above as a guide, locate the "pesky" screw that connects the drive bay to one of the blue grommets. You will have to look behind the power supply. This screw has definitely earned its name, because it is very tricky to remove. Using the L-Key torx driver that was included in your kit, carefully remove the screw. This will take a lot of patience. Be very careful to avoid the power supply. The screw comes out counter-clockwise. Note: Once this screw has been removed, you will NOT have to attach it again at the end of your upgrade.

2.5. Using your Torx key, 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.



2.6. Once the screws and inserts are removed, you will be able to lift the drive bay up from the left side 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 holes, watch the drive cable and power cable that are 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:

(a) 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. If your TiVo has two factory hard drives, remove the cables from both drives.

(b) Remove the hard drive ribbon cable (longer, gray cable with a blue or black connector) from the hard drive(s) by pulling on the hard plastic piece connected to the hard drive. You should now have no cables running to the hard drive(s).

3. REMOVING AND REPLACING THE FAN

3.1. Using your Torx key, remove the two screws that attach the fan to the hard drive bay. Note the placement and location of the fan cable, which threads through the hole in the hard drive bay.

3.2. Insert the fan cable from the new fan through the hole, and attach the fan to the bracket using either the factory screws or the screws included with your fan. **IMPORTANT:** When attaching the fan, be sure to locate the **DIRECTIONAL ARROWS** printed on the fan. These arrows tell you the direction of the airflow. **BE SURE THAT THE ARROWS (AND AIR FLOW) POINT AWAY FROM THE HARD DRIVES** (i.e. toward the outer edge of the TiVo).

4. CONNECTING THE POWER AND HARD DRIVE CABLES TO THE DRIVES

4.1. Connect the power cable(s) to your drive(s), being sure to align the power connectors properly (rounded side down). Be sure that the power connectors are securely fastened.

4.2. Connect the IDE hard drive cable to the hard drive(s). If you have two drives, the middle connector (generally gray) attaches to the secondary/slave drive; the end connector (generally black) attaches to the factory/primary/master 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.

5. RE-ATTACHING THE DRIVE BAY

5.1. Carefully flip the drive bay over.

5.2. 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 tuck down the portion of the hard drive cable that is between the two drives. You will also want to watch the fan cable to be sure that it hangs free.

5.3. 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.

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

5.5. Insert the fan cable back into the motherboard. (This is easy to forget, which is why it is in bold!) Your TiVo's motherboard only has two pins. Therefore, if your fan cable has three wires and a three-pin connector, attach ONLY the red/black cables. The pin with the yellow cable will hang over the motherboard connector.

6. RE-ATTACHING THE TIVO LID

6.1. 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.

6.2. Once the lid is in place, reattach the four Torx screws.