

# TIVO UPGRADE INSTRUCTIONS (#100)

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Instructions for ONE DRIVE REPLACEMENT for TiVo BOLT

## A FEW WORDS OF CAUTION:

Upgrading 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. By opening your TiVo, you agree that neither weaKnees nor any of its members or affiliates is responsible in any way for any harm done. 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 (see Figure 1)
- 1 T8 Torx Screwdriver (not shown)
- 1 Upgrade hard drive (not shown)
- 1 Set of upgrade instructions (not shown)

## RECOMMENDED AND NOT INCLUDED

- 1 Thin flathead screwdriver



Figure 1

## 1. REMOVE (A) HDMI SCREW, (B) CABLECARD DOOR, (C) SIDE SCREWS AND (D) SIDE LID

Unplug the power cord and other cables from the back of your 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 should not perform this upgrade on carpet.

(A) Using the Torx T8 or T10 tool (use whichever fits; there are two versions of the Bolt and the screw size varies) included with your kit, remove the screw located directly above the connector on the back of the unit that is marked "HDMI." See Figure 2. We suggest you put this screw in a bag and label it "HDMI screw." As you proceed through the upgrade, please label the other screws as well, so you know which is which when you reassemble your TiVo.



HDMI Screw

Figure 2 - Remove HDMI screw

(B) Next, turn the TiVo upside down and remove the CableCARD door. Push the clips shown in Figure 3 and pop the door up and off. Set the door aside.

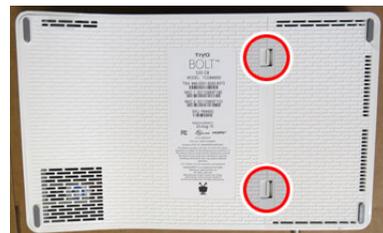
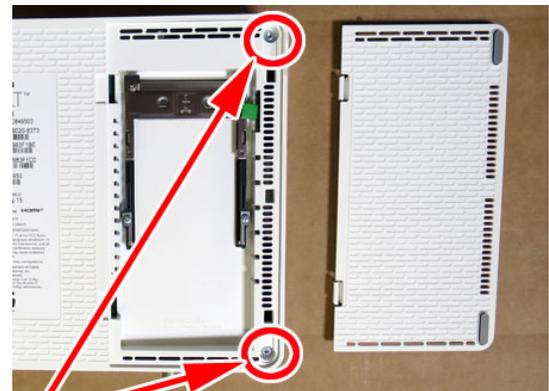


Figure 3 - CableCARD Door Clips

(C) Once you have removed the CableCARD door, you will see two screws in the corners. See Figure 4. Remove both screws using your Torx T10 screwdriver. NOTE: DO NOT remove the small screws that hold the CableCARD cage to the TiVo. Only remove the two screws shown in Figure 4. If a CableCARD is installed, you do not have to remove it.



Bottom screws

Figure 4 - Bottom screws

(D) Next, remove the side lid. Turn the TiVo on its edge so that the front panel is facing down. Take a regular (flat head) screwdriver and insert it under the lid, as shown in Figure 5, in the area marked "A". Pry the lid up and place the thumb of your other hand in the location marked "B" in Figure 5. Then, with the screwdriver still prying the lid up, use your thumb to push (with force) in the direction of the arrow marked "C." You might have to pry and push hard.



Figure 5 - Removing side lid

If you apply sufficient pressure at point B in the direction C, you will hear a click as the first of the clips is released. At that point, continue holding the lid with your thumb and then remove the screwdriver and re-insert it around the location marked D in Figure 6. While prying the lid back at point D, move your thumb to point E and continue pushing back the lid. As the lid opens more, remove the screwdriver and place it at point F and continue prying and pushing. The side lid will then pop off. Set aside the side lid.

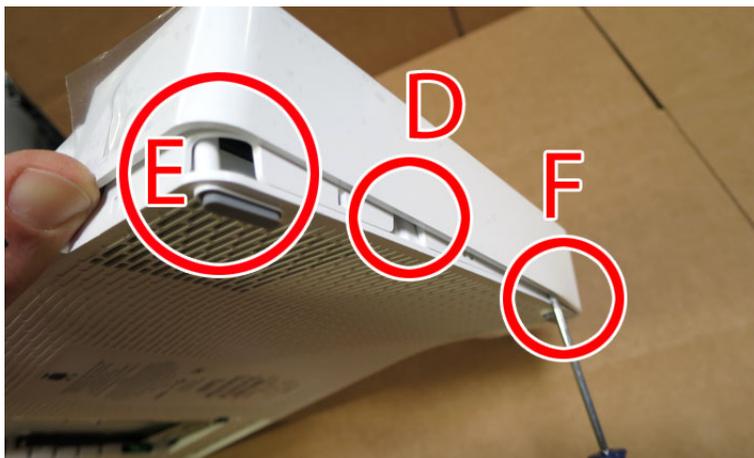


Figure 6 – Removing side lid

## 2. REMOVE THREE LID SCREWS

Once the lid is removed, set the unit down so that you are looking at the partially-exposed fan and hard drive. Locate the three screws that hold the large lid to the TiVo. These screws are highlighted in Figure 7. Using the T10 screwdriver, remove these three screws.

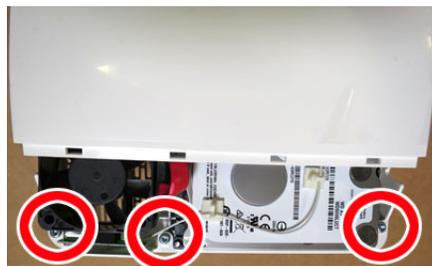


Figure 7 – Side screws

## 3. REMOVE THE LARGE LID

Place the TiVo back on its front face. Locate the input marked “Cable/Ant.” Use that connector for a bit of leverage and pry the corner of the lid up, as shown in Figure 8a.

Once the lid has popped up from the clips in the corner and the side, hold the corner in place and set the TiVo down flat. Rotate the lid clockwise as shown in Figure 8b, until the lid is almost entirely off. The last point of contact will be the clip shown in the bottom right corner of Figure 8b. If necessary, pull back gently on that final clip and the lid will come free.

Set the lid aside.

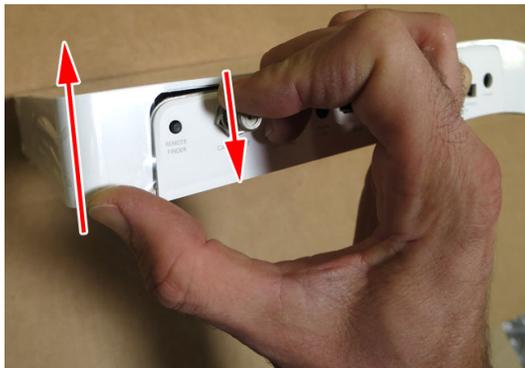


Figure 8a – Removing large lid step 1



Figure 8b – Removing large lid step 2

#### 4. REMOVE THE DRIVE FROM THE TiVo

Remove the one drive screw connecting the drive bracket to the motherboard. See Figure 9. Set the screw aside. Then, remove the wire from the two clips that are attached to the hard drive. Each clip has an opening in the center. As you remove the wire, be careful not to pull the end of the wire from the board connector. If you do, just snap the connector back onto the board. See Figure 9.

Lift the hard drive and hard drive bracket up a few inches so that the red hard drive cable and the black connector are clear of the fan. Again, be careful here not to stretch or catch the wire running over the top of the hard drive. Once the drive cable is clear of the fan, pull the black connector out of the hard drive. See Figure 10. Then, remove the hard drive from the TiVo without disturbing the wire that had been connected to the clips.

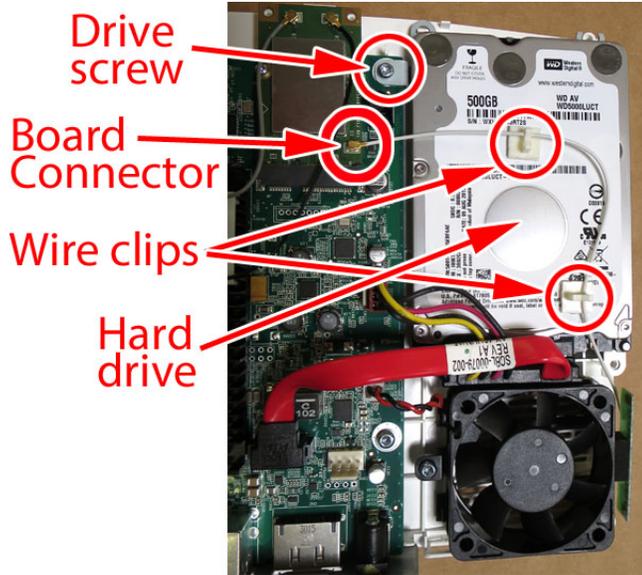


Figure 9 – Drive installed in TiVo



Figure 10 – Remove drive from TiVo

#### 5. CHANGE THE HARD DRIVE

Set the hard drive and bracket on a table, with the drive label facing down. Then, place the new hard drive next to it, label-side down, so that the drive connectors are facing the same direction. See Figure 11. Remove the four drive screws holding the bracket to the drive, then lift the bracket up and place it down in the same location on the new drive. Screw the four drive screws into the new drive. Do not overtighten these screws (or any of the other screws).

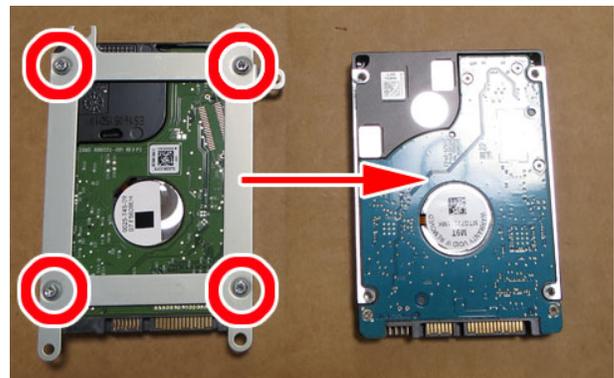


Figure 11 – Move drive bracket to new drive

#### 6. INSTALL THE NEW HARD DRIVE

Install the new hard drive in the TiVo. Pass the drive under the wire. Before lowering the drive, install the drive connector into the drive. Be sure that you do not pull on the wire or disconnect it from the motherboard (if you do, just push the connector back on, see Figure 9). Once the connector is on the drive, align the drive into the TiVo so that two bracket holes align with the standoffs shown in Figure 13. Then screw in the drive screw shown in Figure 13.

Once the hard drive is installed in the TiVo, move the excess wire so that it sits between the hard drive and the fan, as shown in Figure 14.

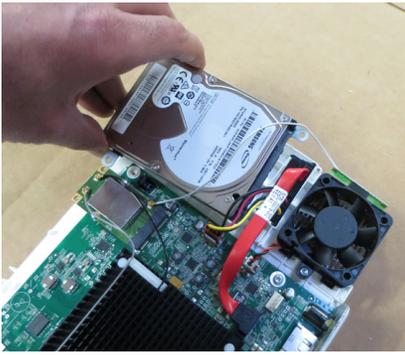


Figure 12 – Installing new hard drive

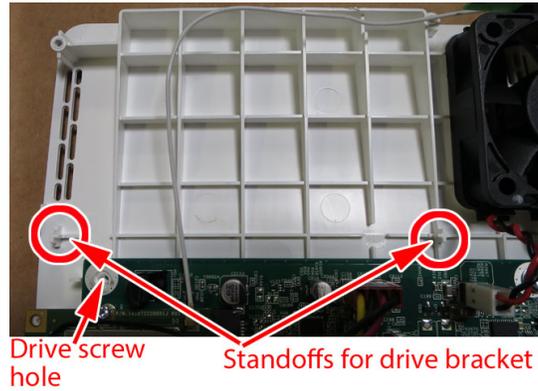


Figure 13 – Aligning new hard drive



Figure 14 – Drive installed

## 7. RE-ATTACH THE TIVO LID, HDMI BACK SCREW AND SIDE SCREWS

(A) The large lid on this model TiVo is very easy to re-attach as long as you have it aligned correctly. First, align and push down the lid at the position marked 1 in Figure 15. Then, push down and attach the lid in the opposite front corner, marked 2 in Figure 15. Third, connect the tab marked 3 in Figure 15. You may have to lift the plastic tab slightly for it to lock into the connector. Once you have the lid attached in these three locations, push down in the final corner, marked 4 in Figure 15. You may see a slight gap in the area marked 5. Simply push down on the top of the lid in this area to seal the lid in place.

(B) When the lid is secure, use your T10 tool to replace the screw that is above the HDMI connector. See Figure 2. Do not overtighten.

(C) Then, replace the three side screws you removed in Step 2. See Figure 7. Do not overtighten.

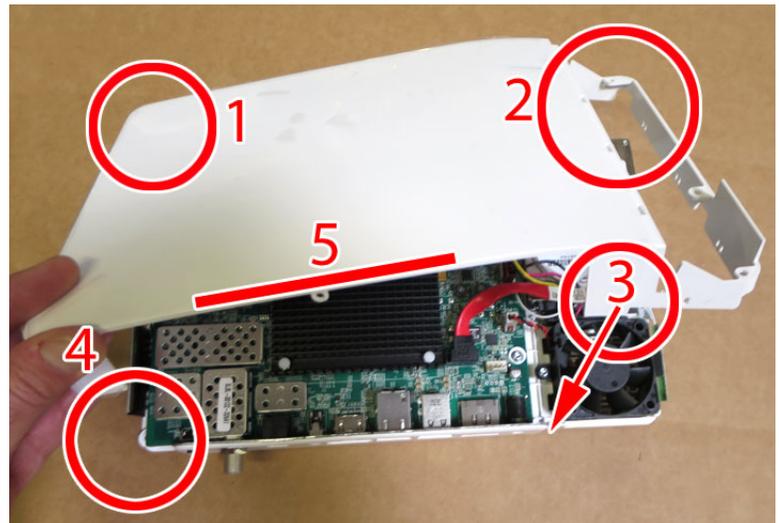


Figure 15 – Re-attaching large lid

## 8. RE-ATTACH THE SIDE LID AND CABLECARD DOOR

Once the large lid is in place and you have screwed in the side screws, snap the side lid back into place.

Then, turn the TiVo over and re-install the two screws you removed in Step 1C. See Figure 4. Do not overtighten.

Finally, re-attach the CableCARD door that you removed in Step 1B.

If you are also installing an external drive, please refer to the external drive instructions included with your kit.

Connect all of your cables (HDMI, cable/antenna, etc.) back to the TiVo and plug in the power cord. Once the unit is powered on, you can go through the setup process and verify your new capacity by looking in the System Information screen of your TiVo. The System Information screen is located in the “Settings and Messages > Help > Account and System Information” menu. Once in the System Information screen, you will see “Variable up to XX HD or YY SD hours” (you may have to scroll down the page using the “channel down” button). This message gives you the maximum capacity of your unit, after the upgrade.

NOTE: If after installation of your new hard drive certain channels are not available, you will want to call your cable company and verify that the Host ID and Data ID that they have matches the TiVo’s CableCARD settings screen.

We thank you very much for your purchase and hope that you enjoy your newly-enhanced 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!