



Our new and improved troubleshooting section was carefully constructed to put the power to repair your machine in your hands. As you can tell, we have put a great deal of time and effort into the process. All of this can save you the cost of a service call which is approaching \$150 in many markets and in many cases, we can save you the cost of parts since many parts are sold from factories unnecessarily (many parts cost over \$100 alone). With all of this said, if our troubleshooting tips help you out, please donate to keep this info on the web and so we can continue to add to it for your future use. As we get the funds, we will start to post video helps too. If this info helps you, please click on the donate button and donate to help us expand and maintain our troubleshooting help. Donations are NOT tax deductible.

WHY USE TREADMILL BELT CLEANER?

If your treadmill is properly maintained, you should not have to clean the backing of the belt, unless it is in a normally dirty area (we recommend that you keep your treadmill out of these areas). What you must do to the backing of the belt is lubricate it. We have formulated a lubricant (World Famous Treadmill Lube) that has an agent that actually repels dirt from the underside of the belt. It also has another agent that has a high heat constant which means it takes more energy to heat it up (that keeps the heat lower). So, if you keep it maintained (cleaning, etc.) and lubricated, you shouldn't have a problem with dirt on the underside of the belt.

To understand why to use belt cleaner, you first have to understand the dynamics of a conveyor belt driven system. Most home treadmills have a DC controller attached to a DC motor which is belt driven to a front roller which is a belt driven conveyor system. Walking or running on this conveyor system creates heat (from the friction of the belt backing). If you have too little friction, the treadmill will not operate properly (the most evident problem is on an incline the treadmill will keep speeding up). The energy exchange process creates heat. The pressure that is exerted against this system from the user, for the average person, equals hundreds of thousands lbs. of pressure every mile. In other words, no matter what the lubricity of the belt is, the potential for heat build up is great.

If you combine this with a nice layer of dirt on the top of the belt (acting as an insulator) your heat constant will certainly rise. Removing the dirt layer from the top of the belt helps reduce belt heat and thereby lowers the amp draw requirements of the DC electrical system. This helps the controller and motor run cooler in addition to the heat level of the belt. We have tested treadmills before and after belt cleaning and have seen a 20% reduction in the amp draw of the unit. This could be a major contributor to the longevity of the 1) motor brushes 2) armature of the motor 3) DC motor controller.

Since heat is also an enemy of the walking belt and deck, lower operating temps can also extend their life.

You don't have to have our belt cleaner to clean your belt. Another way to clean it is to use water and a nylon bristle brush. Make sure to let the belt completely dry before using it again and don't get water underneath the walking belt.

Copyright © 2008 by TreadmillDoctor.com, Inc.

All illustrations, photographs, and scanned images, and text are the property of TreadmillDoctor.com, Inc. and may not be reused, retransmitted, copied, given, sold, or bartered to any third party. The recipient of this property is authorized to use it only in the manner expressly indicated by a staff member of TreadmillDoctor.com, Inc. All rights reserved.