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> Sole Fitness Drive Motor Belt N010001 / 022553 (610J) Instruction Manual

Sole Fitness N010001

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Model: N010001 / 022553 (610J)

INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and troubleshooting of your Sole Fitness Drive Motor Belt, part numbers N010001 or 022553, commonly identified as a 610J belt. Adhering to these instructions will help ensure the longevity and optimal performance of your treadmill.

SAFETY INFORMATION

- Always disconnect the treadmill from the power source before attempting any installation, maintenance, or repair.
- Wear appropriate personal protective equipment, such as gloves and eye protection, when working with machinery.
- Ensure the work area is well-lit and clear of obstructions.
- If you are uncomfortable performing any of these procedures, consult a qualified fitness equipment technician.

COMPATIBILITY

This drive motor belt (N010001 or 022553, 610J) is compatible with various Sole Fitness, Spirit, and Xterra treadmill models. Please verify your treadmill's model and serial number against the list below to ensure proper fitment. For serial numbers, the first 2-5 characters are typically sufficient for identification.

Sole Fitness Treadmills:

- **2009-2010 Series:** WF80 (580888), WF63 (563888), WF83 (583888), WF85 (585888), WS77 (577888), WTT8 (588888)
- **2013 Series:** F63 (563812), F65 (565812), F80 (580812), F85 (585812), S77 (577812)
- **2014 Series:** F63 (563813), F65 (565812), F80 (580812), F85 (585812), S77 (577812), TT8 (588812)
- **2006 Series:** F63 (563881)
- **2008 Series:** VF63 (563887)

- **2011 Series:** AF63 (563810), AF65 (565810), AF83 (583810), AF85 (585810), F80 (580810)
- Sole F63 (563886)

Spirit Fitness Treadmills:

- SL445 Fold-Up
- SR275 Fold-Up
- STS Fold-Up

Xterra Fitness Treadmills:

- **X Series Motorized Treadmill:** XT175 (2005-2010), XT200 (2005-2010), XT275 (2005-2010), XT285 (2005-2010), XT375 (2005-2010), XT385 (2005-2010), XT485 (2005-2010), XT675 (2005-2010), XT9 (2005-2010)
- **Esprit Motorized Treadmill:** ET288 (2010), ET388 (2010), ET488 (2010), ET588 (2010)
- **X Series (2011-2012):** XT185 (185810), XT285 (285810), XT385 (385810), XT485 (485810), XT685 (685810)
- **Xterra Fitness (2010):** TR250 (250809), TR350 (350809), TR450 (450809), TR550 (550809)
- **Xterra Fitness (2012):** TR6.2 (162811)

SETUP AND INSTALLATION

Replacing the drive motor belt requires careful attention. Follow these steps to ensure correct installation.

Tools Required (Typical):

- Screwdriver set (Phillips and flathead)
- Socket wrench set
- Pry tool (optional, for stubborn covers)
- Flashlight

Procedure:

1. **Power Disconnection:** Unplug the treadmill from the wall outlet. This is a critical safety step.
2. **Access Motor Compartment:** Locate and remove the motor cover. This usually involves unscrewing several screws around the perimeter of the cover. Carefully lift and set aside the cover.
3. **Identify Old Belt:** Observe how the existing drive belt is routed around the motor pulley and the front roller pulley. Take a photo if necessary for reference.
4. **Remove Old Belt:** Loosen any tensioning mechanisms (if present) or gently pry the old belt off the pulleys. It may be necessary to rotate one of the pulleys manually to assist in removal.
5. **Install New Belt:** Begin by placing the new belt onto the smaller motor pulley. Then, carefully stretch and guide the belt onto the larger front roller pulley. This may require rotating the larger pulley by hand while applying pressure to the belt. Ensure the ribs of the belt align correctly with the grooves on both pulleys.
6. **Tension Adjustment:** If your treadmill has a belt tension adjustment mechanism (e.g., motor mounting bolts that allow for slight movement), adjust it to achieve proper tension. The belt should be taut but not overly tight, allowing for a small amount of deflection when pressed. Refer to your treadmill's specific service manual for precise tensioning guidelines if available.
7. **Reassemble:** Replace the motor cover and secure it with the screws.



This image displays two drive motor belts. The top belt clearly shows the marking '610 J', indicating its size and type. The bottom belt is also a multi-ribbed drive belt. These belts are essential for transmitting power from the motor to the treadmill's drive system.

OPERATING (POST-INSTALLATION CHECK)

After installing the new drive motor belt, perform the following checks before regular use:

1. **Visual Inspection:** Ensure the belt is properly seated on both pulleys and is not twisted or misaligned.
2. **Power On:** Plug the treadmill back into the power outlet.
3. **Initial Test Run:** Start the treadmill at a very low speed (e.g., 1 mph) and observe the motor and belt. Listen for any unusual noises (squealing, grinding) or vibrations.
4. **Increase Speed Gradually:** If the initial test is successful, gradually increase the treadmill speed, monitoring for smooth operation and consistent belt movement.
5. **Check for Slippage:** If the walking belt hesitates or slows down under load, the drive motor belt may be slipping, indicating insufficient tension or an incorrect belt.

MAINTENANCE

Regular maintenance helps extend the life of your drive motor belt and treadmill.

- **Periodic Inspection:** Every 3-6 months, or more frequently with heavy use, remove the motor cover and visually inspect the drive belt for signs of wear, cracking, fraying, or glazing.
- **Cleanliness:** Keep the motor compartment clean and free of dust and debris, which can accumulate on the belt and pulleys, leading to premature wear or slippage. Use a dry cloth or vacuum.
- **Tension Check:** Periodically check the belt tension. If the belt feels loose or shows signs of slipping, adjust the tension as described in the installation section.
- **Replacement:** Replace the drive belt if significant wear or damage is observed, or if it consistently slips despite proper tensioning. The lifespan of a drive belt varies based on usage and environmental factors.

TROUBLESHOOTING

Refer to the following table for common issues and their potential solutions related to the drive motor belt.

Symptom	Possible Cause	Solution
Treadmill walking belt slips or hesitates	Loose drive motor belt, worn drive motor belt, incorrect belt size	Adjust drive motor belt tension. Inspect belt for wear and replace if necessary. Verify correct belt part number (N010001/022553, 610J).
Squealing noise from motor area	Loose drive motor belt, worn drive motor belt, debris on pulleys	Adjust drive motor belt tension. Clean pulleys and belt. Replace belt if worn.
Burning smell from motor area	Severely slipping drive motor belt, motor overheating	Immediately stop treadmill and unplug. Inspect drive motor belt for severe slippage or damage. Adjust tension or replace belt. If smell persists, consult a technician.

If you are uncomfortable diagnosing or treating your machine with replacement parts, it is recommended to consult a fitness technician in your area.

SPECIFICATIONS

- **Part Numbers:** N010001 or 022553
- **Belt Style:** Timing Belt (Poly-V / Multi-ribbed)
- **Size/Length:** 610J (approximately 610mm effective length, J-profile)
- **Compatible Devices:** Treadmills (Sole Fitness, Spirit, Xterra models as listed)
- **Brand:** Sole Fitness

SUPPORT

For further assistance, technical support, or to locate a qualified service technician, please refer to the official Sole Fitness website or contact their customer service department. When contacting support, have your treadmill's model and serial number readily available.

