Mechanical Problems

Mechanical problems can include noise and vibration caused by loose or worn parts. Use the following tables to diagnose mechanical failures.

Walk Belt

Problem	Possible Cause	Action
Belt stops and an overcurrent error code appears.	1. Heavy runner increased the resistance on belt. 2. Runner holding handrail stopped belt movement for more than two seconds. 3. Worn deck	1. Do not exceed weight envelope (see *Specifications*). 2. Do not resist belt for more than two seconds. 3. Turn over or replace deck.
Walk belt slipping	1. Improper walk belt tension. 2. Incorrect drive belt tension or drive belt worn.	1. Adjust walk belt tension. 2. Check drive motor belt. Adjust tensioner or replace drive belt if necessary.
Walk belt not tracking	Belt misaligned or tracking adjustment bolt overtightened.	Adjust tracking.
Walk belt worn	Various	Replace belt and deck.
Walk deck worn	Various	Replace belt and deck.

Drive Belt

Problem	Possible Cause	Action
Belt showing abnormal wear	Drive motor belt (poly-V belt) slipping	Check belt alignment. Adjust drive belt tensioner. Replace drive belt if necessary.

Treadmill Noise

Noise	Possible Cause	Action
Knocking or thumping. Rate increases or decreases with walking belt speed.	Front or rear roller (pulley) assembly bearings	Isolate* and replace roller assembly
Squealing (similar to loose automobile fan belt)	Drive belt loose	Adjust belt tension. Replace belt if necessary
Knocking at high rate	Idler pulley	Replace idler assembly
Low thumping noise with each revolution of walking belt	Belt seam needs breaking in	Noise should decrease after 2-4 weeks of operation (new belt only)

* The rate of bearing noise can help determine which bearing is at fault. The number of knocks per minute varies with treadmill speed because the roller speeds change as the belt speed changes. Use a stethoscope with a tube-like end, or a piece of hose about two feet long, to isolate bearing noise. Hold one end of the hose near the suspected bearing and the other end near your ear. Compare several bearings to determine which is the faulty one.