

Common Mechanical Problems and Solutions

Table 4–1. Walking Belt

	Problem	Potential Causes	Solutions
1	Walking belt is too far to the left or right.	<ul style="list-style-type: none"> The belt is tracking improperly. 	<ul style="list-style-type: none"> Adjust the tracking. (Refer to Part 1 to correct the problem.)
2	Walking belt slips, but the front roller turns.	<ul style="list-style-type: none"> The walk belt tension is improperly set. 	<ul style="list-style-type: none"> Adjust the belt tension. (Refer to Part 1 to correct the problem.)
3	Walking belt hesitates. Adjusting the walking belt tension is ineffective.	<ul style="list-style-type: none"> The motor drive belt is slipping. 	<ul style="list-style-type: none"> Replace the motor drive belt. Adjust the motor drive belt tension.
		<ul style="list-style-type: none"> The VSD is bad. 	<ul style="list-style-type: none"> Replace the VSD.

Table 4–2. Noises

	Problem	Potential Causes	Solutions
1	There is a grinding sound.	<ul style="list-style-type: none"> There is a bad roller bearing. 	<ul style="list-style-type: none"> Replace the roller.
		<ul style="list-style-type: none"> The motor has a bad bearing. 	<ul style="list-style-type: none"> Replace the motor.
2	Banging noise when the person is running.	<ul style="list-style-type: none"> One or more compression mounts are worn (normally the ones in the front). 	<ul style="list-style-type: none"> Replace the compression mounts.
3	There is a squeaking noise when you walk on the deck.	<ul style="list-style-type: none"> The unit may not be level. 	<ul style="list-style-type: none"> Check the leveling feet.
		<ul style="list-style-type: none"> The deck is contacting the side rails. 	<ul style="list-style-type: none"> Replace the deck.
4	There is a squeaking noise all the time when the belt is running.	<ul style="list-style-type: none"> The motor drive belt is worn. 	<ul style="list-style-type: none"> Relace the motor drive belt.
		<ul style="list-style-type: none"> The motor drive belt is misaligned. 	<ul style="list-style-type: none"> Make sure the grooves on the belt are seated correctly in the grooves on the front roller pulley and the motor flywheel.
		<ul style="list-style-type: none"> The motor flywheel is misaligned. 	<ul style="list-style-type: none"> Realign the motor flywheel with respect to the front roller pulley.

Note: Remove the motor drive belt to isolate if the problem to a roller or the drive motor.