

# Invacare® EC-Track™, Gantry, Robin®, Robin® Mover

en Periodic Inspection Checklist




PROVIDER: Keep this manual.  
The procedures in this manual MUST be performed by a qualified technician.



**Yes, you can.®**

# 1 Periodic Inspection Checklist | EC-Track System, Gantry and Robin

In accordance with ISO 10535.

 **CAUTION!**  
**Risk of injury and damage to property**  
 Failure to ensure an adequate **Periodic Inspection** of the product can compromise the safety of people and property.  
 – A periodic inspection of the product must be performed at least every **12 months** unless otherwise stated in local requirements.  
 – The frequency of inspection must be increased if the product is continuously exposed to high humidity, high condensation and corrosives (e.g., chlorine or ammonia gases), to prevent product impairment.  
 – Inspections **MUST** be performed by a qualified person who is acquainted with the design, use and care of the product.  
 – The inspection record **MUST** be recorded in the logbook and reported to the owner.

**Is the EC-Track on the installation?**

**Yes** (Complete the following section):

The Invacare EC-Track System installation label shows the following information:		
Maximum SWL		Installation Date
Label Number (LN)		

**No** (Proceed to **2. Checkpoints | Robin**).


1. Checkpoints   EC-Track and Gantry	✓	✗	Comments
<b>1.1</b> The installation label is present, visible and readable.			
<b>1.2</b> All connection points, brackets to structure are tightened with recommended torque. Retighten, if necessary (if NOT accessible please see point <b>1.21</b> on load test).			
<b>1.3</b> All connection points, brackets to rail system are tightened with recommended torque. If the system is the Gantry, all the connections are tightened with recommended torque. Retighten, if necessary (if NOT accessible please see point <b>1.21</b> on load test).			
<b>1.4</b> All rail ends are secured with end stops, sufficiently tightened. Retighten, if necessary.			
<b>1.5</b> End stops don't show any sign of damage, wear and/or deformation.			
<b>1.6</b> Brackets don't show any sign of damage, wear and/or deformation. If the system is Gantry, connections don't show any sign of damage, wear and/or deformation.			
<b>1.7</b> Trolleys don't show any sign of damage, wear and/or deformation.			
<b>1.8</b> The trolley (and if applicable, traverse trolleys) run smoothly and silently in the entire track system.			
<b>1.9</b> Check and adjust if required the trolley friction brake.			
<b>1.10</b> End Covers are assembled (If applicable).			
<b>1.11</b> Rail systems with track connections: The connections are aligned. Re-align, if needed.			
<b>Transit Coupling / Track Switch</b> (if applicable)			
<b>1.12</b> Lock fixtures all OK (secure to tracking, each claw moves independently, correctly aligned with tracking slots, no obstructions to prevent correct function, safety plate is fitted).			
<b>1.13</b> Check traverse trolley mounting fixtures.			
<b>1.14</b> The tracking is aligned. Re-align, if needed.			

1. Checkpoints   EC-Track and Gantry	✓	✗	Comments		
1.15 The gap between the track and the transit coupling/track switch is max. 3 mm.					
1.16 Function of transit coupling / lock fixture OK (10 times — disable left / right claw x 5).					
1.17 Function test performed under load through the track switch of the system (5 cycles with the maximum SWL).					
1.18 Inlay plate is fitted (L and M rail).					
<b>Load test</b>					
1.19 The track system is leveled and all fixings are sufficiently tightened before carrying out a load test.					
1.20 If all wall and ceiling brackets are accessible, and sufficiently secured a load test must be performed with the maximum SWL (200 kg). The load must be passed through the entire rail system.					
1.21 If all wall and ceiling brackets are NOT accessible a load test must be performed with 300 kg – 1,5 × maximum SWL (200 kg). This test must take a minimum of 20 minutes. The load must be suspended under each bracket/fixing point and passed through the entire rail system.					
1.22 The rail system remains the same height after the load test.					
1.23 The rail system remains leveled after the load test.					
1.24 Place a label with the date for next inspection (MM-YYYY) on the Tracks. <b>Label Example:</b>					
<table border="1" style="width: 100%;"> <tr> <td style="background-color: #e0e0e0;"><b>Date for Next Inspection</b></td> </tr> <tr> <td style="height: 20px;"></td> </tr> </table>				<b>Date for Next Inspection</b>	
<b>Date for Next Inspection</b>					

Is Robin hoist assembled on the EC-Track?

- Yes (Complete the following section).
- No (Skip to the **3. Final Steps** and make sure to check the hoist's manufacturer **Instructions / Installation Manual**).

2. Checkpoints   Robin	✓	✗	Comments
2.1 Product Label is present and legible (write SN on the comments section).			
2.2 The hoist is marked with the maximum SWL.			
2.3 Up switches work correctly.			
2.4 Down switches work correctly. Loose strap function works correctly. Check adjustment if it is not working.			
2.5 End stop works correctly. Check adjustment if it is not working.			
2.6 The emergency stop and reset work correctly.			
2.7 The emergency lowering function and reset work correctly.			
2.8 The emergency lowering end stop switch operates correctly.			
2.9 The full length of straps (tapes) have no signs of wear, fraying and/or loose stitching.			
2.10 Check if the end stop strap switch is working correctly (via hand control). Adjust if necessary.			
2.11 Hooks and hooks' fixation (screws and pins) do NOT have signs of wear/damage that could endanger the lifting.			
2.12 Check suspension and cross pin.			
2.13 Steel and plastic gearwheels do NOT have signs of wear and damage. If gearwheels are dry, apply gearwheel grease.			
2.14 Check tape guide cylinders.			
2.15 The hand control is connected correctly.			

2. Checkpoints   Robin	✓	✗	Comments		
2.16 The hand control is functional and in good conditions.					
<b>Electrical Connections</b>					
2.17 All cables are intact.					
2.18 No signs of rupture on cables and on isolation.					
2.19 Clamping and mechanical function of micro switches work correctly.					
2.20 The charger does not have signs of damage and is functional.					
2.21 The emergency lowering end stop switch works correctly, if applicable.					
<b>Load Test</b>					
2.22 Perform a full lifting cycle with the maximum SWL (200kg).   Must be effortless and without jarring sound.					
2.23 Stick a label with the date for next inspection (MM-YYYY) on the Robin hoist.  <b>Label Example:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #cccccc; padding: 2px;">Date for Next Inspection</td> </tr> <tr> <td style="height: 20px;"> </td> </tr> </table>	Date for Next Inspection				
Date for Next Inspection					

3. Final Steps	✓	✗	Comments
3.1 The owner has all the necessary <b>User Manuals</b> .			

**Overall assessment**

<input type="checkbox"/> <b>Pass</b> No safety or functional deficiencies were detected.	<input type="checkbox"/> <b>Fail</b> Safety or functional deficiencies were detected, and corrective actions are required.  Comments:
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Date of next inspection: \_\_\_\_\_

Service Company Name: \_\_\_\_\_

Inspection done by: \_\_\_\_\_

Date / Signature: \_\_\_\_\_







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