

Purpose / Intent

- This procedure outlines the relevant checks of a detailed inspection for Personal Protective Equipment (PPE).
- The detailed inspection shall be performed at least once every 12 months and after any exceptional event(s) that may occur during use of the product.
- The inspector should be a competent person and have been trained in the inspection process.

Product History

The user shall provide information regarding the lifecycle of the harness. Of special importance are:

- Date of purchase.
- Date of first use.
- Usage conditions and amount of use.
- Reports on any exceptional event that the device may have experienced. Exceptional events include the following:
 - Dynamic events such as falls or fall arrest
 - Overloading or improper use cases
 - Improper storage, cleaning or transport
 - Modifications made by parties other than the manufacturer.
 - Other exceptional events

Any PPE exhibiting unexpected wear or degradation must be quarantined and undergo a detailed inspection.

1. Visual Inspection

Ensure the presence and legibility of the harness labels and markings.

1.1 Model Number

The **Model Number** defines the product configuration and is located in the label package.

Example below:

000250 02	MODEL NO: <u>202C-C3-MD-BK-AL-00-00-Q3</u>
	<u>-00-FL-00-00-00</u>
	DATE: <u>03/12/21</u>
	LOT NO: <u>RD1027</u>
	FITS WAIST SIZE: 81-107CM, 32"-42"
	FITS CHEST SIZE: 56-66CM 22"-26"
	MAX LOAD: 140KG, 310LBS
	MADE OF POYLESTER MATERIALS

- ➡ Verify the legibility of the **model number** and record the **lot number** and **date of manufacture** in the inspection form. Check to make sure that the product has not reached the age of retirement as defined in the product user instructions.

1.2 Certification Mark

Locate **CE certification mark** by referencing the product user instruction.

- ➡ Verify the presence and legibility of the **CE marking** and record findings in the inspection form.



1.3 Visual Comparison

Visually compare the product with a new product to ensure that there are no missing or modified parts.

- ➡ Record findings in the inspection form.

1.4 Check of the Harness Webbing

Carefully inspect the harness for signs of wear, damage from heat, UV exposure, chemicals, abrasions, cuts or other damages. Thoroughly check all structural webbing including the waist belt, leg loops, front lift, rear lift (if present) and shoulder straps. Make sure to check areas that may be covered by buckles or padding.

- ➡ Record the findings in the inspection form.

1.5 Check of the Structural Stitching

Check the condition of structural stitching by inspecting both sides of the sewn area for loose threads, worn stitches or other damages to the stitch pattern. Structural stitching has contrasting color to the base material.

- ➡ Record the findings in the inspection form.

1.6 Check of the Attachment Points

Inspect all attachment points identified in the product user instructions. For metallic components, ensure there are no deep scratches, cracks, areas of significant wear/abrasion, corrosion etc. For textile attachment points, check for damage from heat or chemicals, abrasions, cuts etc. If a fall arrest indicator is present, check that it has not been activated.

1.7 Check of the Buckles / Adjustment Devices

Check the function and condition of all buckles and adjustment devices. Make sure that there are no deep scratches, cracks, areas of significant wear/abrasion, corrosion etc. Check that the webbing is correctly installed into the buckles and that there are no twists in the webbing. Check the function of each buckle / adjustment device as explained in the product user instruction.

1.8 Check of other Harness Components

Check the condition of the harness padding on the waist belt, leg loops and shoulder straps. Check all other webbing such as leg drops, chest ascender connection loops, and gear loops. Make sure they are free of cuts, heavy wear/abrasion, tears, or signs of damage from chemicals, UV exposure or heat.

➡ Record the findings in the inspection form.

2. Examples of Failed Components



Corrosion on the attachment point

CMC Harness Periodic Inspection Procedure



Heavy contamination with an unknown substance



Fall arrest indicator that has been deployed




Webbing showing signs of heavy abrasion



CMC Harness Periodic Inspection Procedure

CMC Rescue, Inc.
6740 Cortona Drive
Goleta, CA 93117, USA
805-562-9120 / 800-235-5741
cmcpro.com

ISO 9001 Certified
©2021 CMC Rescue, Inc. All rights reserved.
CMC and  are registered marks of CMC Rescue, Inc.
Control No. 910003_Rev00