# MSA Harness Inspection: V-FLEX<sup>™</sup> Harness

Name	Clock No.			
Model No.	Serial No.	Manufacture Date		
Inspector's	Inspection	DISPOSITION (Check One)		
Name	Date	PASS FAIL		

## Inspection Procedure

- Inspect all webbing (straps) and stitching for cuts, fraying, pulled or broken threads, abrasion, excessive wear, altered or missing straps, burns, UV damage, and heat and chemical exposures.
- Inspect all parts for deformation, cracks, corrosion, deep pitting, burrs, sharp edges, cuts, nicks, exposure to excessive heat or chemicals or other damage. Check for missing, loose or improperly functioning parts.

#### 3. Inspect buckles.

- a. Secure-Fit Buckle (if present): Make sure both locking tabs engage fully and operate smoothly.
- b. Quick Connect Buckle (if present): Make sure both pawls are engaged and operate smoothly.
- RaceFlex (if present): Make sure both pawls are engaged and operate smoothly.
- 4. Inspect all labels. Labels must be present and legible.

For	Formal Inspection Log							
ITEM	DESCRIPTION	QTY/ Unit	CONDITION CODE(S)	OVERALL ASSESSMENT	COMMENTS			
	Fabric Components: Padding							
1	Shoulder Pad—Binding Edges	N/A						
2	Shoulder Pad–Exterior Fabric / Foam	N/A						
3	Shoulder Pad–Interior Fabric / Foam	N/A						
4	Leg Pads—Exterior Fabric / Foam	N/A						
5	Leg Pads—Interior Fabric / Foam	N/A						
Fabric Components: Webbing								
6	Shoulder Straps (above chest buckle)	2						
7	Torso Straps–Front (below chest buckle)	2						
8	Torso Straps–Back (below shoulder pad)	2						
9	Leg Straps	2						
10	Subpelvic Strap	1						
11	Trauma Step (inside leg padding)	1						
Fabric Components: Stitching								
12	Chest Buckle Stitches	2						
13	Leg Buckle Stitches	2						
14	Subpelvic Stitches	2						
15	Load Indicators	2						
Metal Components: D-Rings								
16	Chest Buckle	1						
17	Tongue Buckle Legs	2						
18	Quick Connect Legs	2						
19	Back D-Ring	1						
20	Hip Junctions	2						
21	Grommets	16						
Plastic Components								
22	Leg Web Finials	2						
23	Chest Web Finials	2						
24	Lanyard Keepers	2						
25	PFL Connector Port	1						
26	Labels	5						



#### **CONDITION CODES/OVERALL ASSESSMENT CODES** Fabric Components: Webbing Metal Components CONDITION CONDITION OVERALL OVERALL ASSESSMENT CODE ASSESSMENT CODE DESCRIPTION DESCRIPTION CODE CODE Deformed/Fractured Cuts/Fraying W1 M1 P' = PassAbrasion/Wear W2 Corroded/Deep Pits M2 Webbing $\mathbf{P}' = \mathbf{Pass}$ Partially Missing/Altered W3 Missing/Loose М3 Acceptable Metallic **Burns/Heat Exposure** M4 W4 Heat Exposure Acceptable F' = FailW5 Chemical Exposure M5 Chemical Exposure Webbing **Burrs/Sharp Edges** Other W6 M6 F' = FailNot Acceptable No Visible Change W0 M7 Cuts/Deep Nicks Metallic Fabric Components: Stitching Malfunction M8 Not Acceptable Cut/Pulled/Loose Thread S1 Other M9 P' = PassM0 Abrasion/Wear S2 No Visible Change Stitching PartiallyMissing/Altered S3 **Plastic Components** Acceptable Burns/Heat Exposure S4 Cut/Broken P1 $\mathbf{P}' = \mathbf{Pass}$ F' = FailChemical Exposure S5 Wear Damage P2 Plastic Stitching Othe S6 Missina/Loose P3 Acceptable Not Acceptable No Visible Change S0 Burns/Heat Exposure P4

### Formal Inspection

MSA requires that all harnesses be inspected by a competent person other than the user at intervals of no more than six months per applicable standard or as specified by a formal fall protection program. Record formal inspections in the provided Inspection Log. Punch or indelibly mark the inspection grid attached to the harness. Do not use a harness with a formal inspection date older than six (6) months unless under provision of formal inspection program. MSA recommends that harnesses with formal inspection dates older than six (6) months be tagged "UNUSABLE" and removed from service until after formal inspection.

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F' = Fail

Plastic

Not Acceptable

Chemical Exposure

No Visible Change

Other

P5

P6

P0

