Harness Inspection
Guidelines

Webbing
Grasp the webbing with your hands and bend the webbing, checking both sides. This creates surface tension making damaged fibers or cuts easier to see. Webbing damage may not show up through a sight (visual) inspection only – manual (touch) the harness is equally important.

Visual and Touch Inspection

- ✔ Pass
  - ✗ Fail Criteria

- ✗ Cuts, nicks or tears
- ✗ Broken fibers/cracks
- ✗ Overall deterioration
- ✗ Modifications by user
- ✗ Fraying/Abrasions
- ✗ Discoloration of material
- ✗ Hard or shiny spots
- ✗ Webbing thickness uneven
- ✔ Mildew
- ✗ Missing Straps
- ✗ Undue Stretching
- ✗ Burnt, charred or melted fibers
- ✗ Material marked w/permanent marker
- ✗ Excessive hardness or brittleness

Visual and Touch Inspection

- ✔ Pass
  - ✗ Fail Criteria

- ✗ Discoloration of material

- ✔ Pass
  - ✗ Fail Criteria

- ✔ Pass
  - ✗ Fail Criteria

- ✔ Pass
  - ✗ Fail Criteria

- ✔ Pass
  - ✗ Fail Criteria

- ✔ Pass
  - ✗ Fail Criteria

- ✔ Pass
  - ✗ Fail Criteria

- ✔ Pass
  - ✗ Fail Criteria

Stitching
Visual and Touch Inspection

- ✗ Pulled stitches
- ✗ Stitching that is missing
- ✗ Hard or shiny spots
- ✗ Cut stitches
- ✗ Discoloration of stitching

Hardware
Visual and Touch Inspection

- ✗ Distortion (twists, bends)
- ✗ Rust or corrosion
- ✗ Broken/distorted grommets
- ✗ Modification by users (ie additional holes)
- ✗ Tongue buckle should overlap the buckle frame and move freely back and forth in their socket
- ✗ Roller of tongue buckle should turn freely on frame
- ✗ Bars must be straight
- ✗ All springs must be in working condition

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Harness Inspection – Guidelines

Tagging System

Every harness must have a legible tag identifying the harness, model, date of manufacture, name of manufacturer, limitations and warnings.

• Check tag for date of manufacture and remove from service if past adopted service life policy
• If tagging system is missing or not legible remove harness from service.

Cleaning and Storage

Wipe off all surface dirt with a sponge dampened in plain water. Squeeze the sponge dry. Dip the sponge in a mild solution of water and mild detergent. Work up a thick lather, with a vigorous back and forth motion. Then wipe dry with a clean cloth.

Hang freely to dry, but away from excessive heat, steam or long periods of sunlight.

Storage areas should be clean, dry and free of exposure to fumes, heat, direct ultra violet light, sunlight and corrosive elements.

Note: Do not store harnesses next to batteries, chemical attack can occur if battery leaks.
### Inspection Checklist – Fall Protection Equipment

<table>
<thead>
<tr>
<th>Description:</th>
<th>Model #:</th>
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</thead>
<tbody>
<tr>
<td>Serial #:</td>
<td>Date of Manufacture:</td>
</tr>
<tr>
<td>Inspector:</td>
<td>Date Inspected:</td>
</tr>
<tr>
<td>Inspector Signature:</td>
<td></td>
</tr>
</tbody>
</table>

- **FAIL:** ☐ Initial________  
  - REMOVE FROM SERVICE
- **PASS:** ☑ Initial________  
  - RETURN TO SERVICE

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>DESCRIPTION</th>
<th>FAIL</th>
<th>PASS</th>
<th>COMMENTS</th>
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<tbody>
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</table>
INSPECTION CHECKLIST - HARNESS

ITEM DESCRIPTION
1. X ✓ Dee Ring
2. X ✓ Dee Pad
3. X ✓ Nylon Webbing
4. X ✓ Spring Loaded Friction Buckles
5. X ✓ Elastic Keepers (2)
6. X ✓ Nylon Webbing
7. X ✓ Spring Loaded Friction Buckles
8. X ✓ Elastic Keepers (2)
9. X ✓ Nylon Webbing
10. X ✓ Stitching
11. X ✓ Stitching
12. X ✓ Tongue Buckle
13. X ✓ Elastic Keeper (1)
14. X ✓ Nylon Webbing
15. X ✓ Stitching
16. X ✓ Stitching
17. X ✓ Tongue Buckle
18. X ✓ Elastic Keeper (1)
19. X ✓ Stitching
20. X ✓ Nylon Webbing
21. X ✓ Stitching
22. X ✓ Stitching
23. X ✓ Nylon Webbing
24. X ✓ Grommets
25. X ✓ Stitching
26. X ✓ Nylon Webbing
27. X ✓ Stitching
28. X ✓ Stitching
29. X ✓ Nylon Webbing
30. X ✓ Grommets
31. X ✓ Sub-Pelvic Strap
32. X ✓ Back Strap
33. X ✓ Stitching - Back Strap
34. X ✓ Stitching - Back Strap
35. X ✓ Chest Strap Pad
36. X ✓ Nylon Webbing
37. X ✓ Stitching
38. X ✓ Mating Link
39. X ✓ Chest Strap Pad
40. X ✓ Nylon Webbing
41. X ✓ Stitching
42. X ✓ 3 Bar Mating Buckle
43. X ✓ Elastic Keeper (1)
44. X ✓ Tagging/Label System

CRITERIA
X = FAIL
✓ = PASS

SERIAL # ____________ DATE OF MANUF ____________
INSPECTOR ____________ DATE OF INSPECTION ____________
INSPECTOR SIGNATURE ____________________________

FAIL: Initial ____________ PASS: Initial ____________
REMOVE FROM SERVICE RETURN TO SERVICE

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Examples of Some Typical Thread (TH) and Stitch Patterns (SP) in Webbing (W)
Example of Some Typical Connector (Hardware) Components and Elements

- D-ring
- Tongue, Roller
- Frame
- Adjuster, webbing (Also a buckle)
- Grommet
- Webbing
- Grommets in webbing
Lanyard Inspection

Shock Absorbing Lanyard (Manyard Style)
Inspection – Guidelines

Webbing
Grasp the webbing with your hands and bend the webbing, checking both sides. This creates surface tension making damaged fibers or cuts easier to see. Webbing damage may not show up through a sight (visual) inspection only – manual (touch) the lanyard is equally important. Pay attention to the wrinkled portion of the lanyard.

Visual and Touch Inspection ✔ Pass

✦ Cuts, nicks or tears
✦ Broken fibers/cracks
✦ Overall deterioration
✦ Modifications by user
✦ Fraying/Abrasions

✦ ✔ Discoloration of material Dependant on cause of discoloration
✦ Hard or shiny spots Indicates heat damage
✦ Change in core size Indicates possible fall

✔ Mildew Clean lanyard
✦ Missing or popped flag Indicates possible fall
✦ Undue Stretching Indicates possible fall
✦ Burnt, charred or melted fibers Indicates heat damage
✦ ✔ Material marked w/permanent marker Check w/manufacturer
✦ Excessive hardness or brittleness Indicates heat or uv damage
✦ Knots in lanyard

Stitching
Visual and Touch Inspection

✦ Pulled stitches
✦ Stitching that is missing
✦ Hard or shiny spots Indicates heat damage
✦ Cut stitches
✦ ✔ Discoloration of stitching Dependant on cause of discoloration

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