



Routine Inspection for Structural Gear NFPA 1851, 2008 edition

GENERAL

Each firefighter shall perform a Routine Inspection of their protective clothing after each use.

Universal precautions should be followed until it is confirmed that the garment is safe to handle.

Routine Inspection is not required to be documented.

Routine Inspection shall include inspecting the following items:

Jacket and Trouser (all three layers should be examined)

- ✓ Soiling
- ✓ Contamination
- ✓ Physical damage such as rips, tears, cuts, and abrasions
- ✓ Damaged or missing hardware
- ✓ Thermal damage such as charring, burn holes, melting, or discoloration of any layer
 - ❖ To check for weakening of the fabric, aggressively flex the material and attempt to tear by pushing a finger or thumb through the fabric.
- ✓ Loss of seam integrity, or broken or missing stitches
- ✓ Damaged or missing reflective trim
- ✓ Correct assembly and size compatibility of shell, liner, and the Drag Rescue Device (DRD).

Hood

- ✓ Soiling
- ✓ Contamination
- ✓ Physical damage such as rips, tears, and cuts
- ✓ Thermal damage such as charring, burn holes, melting, or discoloration of any layer
- ✓ Loss of face opening adjustment
- ✓ Loss of seam integrity, or broken or missing stitches

Helmet

- ✓ Soiling
- ✓ Contamination
- ✓ Physical damage to the helmet shell such as cracks, crazing, dents, and abrasions

- ✓ Thermal damage to the helmet shell such as bubbling, soft spots, warping, or discoloration
- ✓ Ear flaps for rips, tears, and cuts
- ✓ Ear flaps for thermal damage such as charring, burn holes, and melting
- ✓ Ear flaps for loss of seam integrity, or broken or missing stitches
- ✓ Damaged or missing components of the suspension and retention systems
- ✓ Damaged or missing components of the faceshield/goggle system, including discoloration, crazing, and scratches to the faceshield/goggle lens limiting visibility
- ✓ Damaged or missing reflective trim

Gloves

- ✓ Soiling
- ✓ Contamination
- ✓ Physical damage such as rips, tears, and cuts
- ✓ Thermal damage such as charring, burn holes, melting, or discoloration of any layer
- ✓ Inverted liner
- ✓ Shrinkage
- ✓ Loss of flexibility
- ✓ Loss of elasticity and shape in wristlets
- ✓ Loss of seam integrity, or broken or missing stitches

Footwear

- ✓ Soiling
- ✓ Contamination
- ✓ Physical damage such as cuts, tears, punctures, cracking or splitting
- ✓ Thermal damage such as charring, burn holes, melting, or discoloration of any layer
- ✓ Exposed or deformed steel toe, steel midsole, or shank
- ✓ Loss of water resistance
- ✓ Closure system component damage and functionality
- ✓ Loss of seam integrity, or broken or missing stitches

Drag Rescue Device (DRD)

- ✓ Installation in garment
- ✓ Soiling
- ✓ Contamination
- ✓ Physical damage such as cuts, tears, punctures, cracking, or splitting
- ✓ Thermal damage such as charring, burn holes, melting, or discoloration
- ✓ Loss of seam integrity, or broken or missing stitches

Interface components

- ✓ Soiling
- ✓ Contamination
- ✓ Physical damage
- ✓ Loss or reduction of properties that allow component to continue as effective interface, such as loss of shape or inability to remain attached to the respective element(s) where attachment is required
- ✓ Loss of seam integrity, or broken or missing stitches