

ROPS

(Rollover Protective Structure) and FOPS

(Falling Object Protective Structure)



Best Practice Series

BP-9

A ROPS/FOPS design is required to be certified by the manufacturer to comply with specific structural requirements.

The ROPS/FOPS system includes the structure, its mounts to the main frame, and the main frame.

Any repair or unauthorized modification made to ROPS/FOPS voids the certification unless specifically approved by the manufacturer or a registered professional engineer familiar with ROPS and FOPS.

ROPS/FOPS shall be maintained in a condition that meets the performance requirements applicable to the equipment.

Bent, deformed, or broken ROPS/FOPS structure components, including mounting brackets, shall be recertified by a registered professional engineer.

ROPS/FOPS should be inspected daily for damage or loose bolts.

Every 1000 hours, or as specified by the machine or ROPS/FOPS manufacturer, the mounting bolt torque must be checked, and any missing or broken bolts must be replaced with manufacturer's specified bolts.

Arrive Home Alive

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Mine Safety and Health Administration
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