

STANDARD INFORMATION

Standard: UL 82

Standard ID: Electric Gardening Appliances [UL 82:2017 Ed.9+R:18Jan2023]

Previous Standard ID: Electric Gardening Appliances [UL 82:2017 Ed.9+R:14May2021]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 1, 2025**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Revision To Specify a Chain Distance Measurement for Pruning Shears
- Particular Requirements for Cordless Reciprocating (non-rotating) Scissor Brushcutters

Specific details of new/revise requirements are found in table below

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
	Info	PRUNING SHEARS
63	Info	Construction
		<i>New clause added;</i>
63.4A		<p>Pruning shears shall have a barrier that limits the forward movement of the hand or finger between the nearest shearing point of the pruning shear blades and the:</p> <ul style="list-style-type: none">a) Front of the switch trigger, (see Figure 63.1A), orb) Nearest point located at the rear outer section of a trigger guard where no more than two fingers are intended to fit and engage the power switch within the trigger guard area, (See Figure 63.2) orc) Nearest point located at the front inside section of the trigger guard where more than two fingers are intended to fit and engage the power switch within the trigger guard area. If there is a barrier located within the trigger guard that prevents the forward movement, then the measurement is made in accordance with (a). (See Figure 63.3). <p>The measurement of the chain distance between the points in (a) or (c) shall be at least 80 mm and a chain distance of at least 100 mm between the points in (b). See Figure 63.1A – Figure 63.3 for examples of the measurement of the chain distance.</p>
Figure 63.1A		<i>New figure added;</i> Measurement of chain distance between nearest shearing point and front of the switch trigger See standard for details.
Figure 63.2		<i>New figure added;</i> Measurement of chain distance between nearest shearing point and the nearest point located at the rear outer section of a trigger guard where no more than two fingers are intended to fit and engage the power switch within the trigger guard area. See standard for details.



CLAUSE	VERDICT	COMMENT
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Figure 63.3		<p><i>New figure added;</i></p> <p>Measurement of chain distance between nearest shearing point and the nearest point located at the front inside section of the trigger guard where more than two fingers are intended to fit and engage the power switch within the trigger guard area.</p> <p>See standard for details.</p>
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Supplement SA		BATTERY POWERED GARDENING APPLIANCES
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SA2		Performance and Construction
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Table SA2.8A		<p><i>New table added;</i></p> <p>Rotating or reciprocating scissor</p> <p>See standard for details.</p>
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Appliance types – Switching arrangement requirements

Table SA2.9	Appliance type	Requires compliance with switching arrangement specified in 18.5 of UL 2595
	Brushcutter, <u>rotating or reciprocating scissor</u>	Yes, and comply with SA2.11 through SA2.13

For a brushcutter, a rotating or reciprocating scissor, these two actions shall not be possible with a single grasping motion or a straight line motion. The switch shall be positioned such that that it can be operated while the appliance is being held with both hands. The switch operation shall be marked if not obvious.

SA2.11		<p>Exception: A single grasping motion or a straight line motion is acceptable provided:</p> <p>a) The unit is provided with an activation mode start switch, and</p> <p>b) The on-off switch or the lock-off device is activated within 45 s of the actuation of the activation mode start switch, otherwise the unit shall return to its off state, and</p> <p>c) There is a visual indication that the brushcutter is in an active state when the activation start mode switch is activated and shall continue until the activation mode start switch is off.</p>
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CLAUSE	VERDICT	COMMENT
		The on-off switch for a brushcutters, <u>a rotating or reciprocating scissor</u> shall immediately return to the locked state when it is released, unless:
SA2.12		a) An operator presence sensor is incorporated in the handle or grasping surface associated with the on-off switch, and b) The hand is not released from the operator presence sensor. The operator presence sensor can be attained by any combination of mechanical, electrical or electronic means.
SA2.13		A brushcutter, <u>a rotating or reciprocating scissor</u> shall be equipped with a momentary contact on-off switch that shall not be capable of being locked in the "on" position.
SA3A	Info	Reciprocating and Rotary Scissors <i>New clause added;</i> A rotary or reciprocating scissor shall: a) Have a barrier with a width of at least 200 mm (7.9 in) where the minimum straight line distance from the rear of the barrier to the nearest unguarded point of the cutting attachment shall be at least 830 mm (32.7 in), where the unguarded point of the cutting attachment is the intersection between the cutting plane and the side-edge of the cutting-attachment guard or the closest point of the cutting attachment if no guard is provided, or b) Have a brushcutter shield with dimensional requirements in accordance with ISO 7918 (See Figure 3 of ANSI B175.3), or c) Have a grass trimmer shield with dimensional requirements in accordance with ISO 7918. (See Figure 4 of ANSI B175.3). In addition, the guard shall extend min 3 mm below the cutting plane of the cutting scissor within the required coverage area of the shield.