Service Bulletin

ELECTRIC KETTLE ELEMENT TEST SHEET

This is a mandatory form.
Once completed, forward this sheet with request for repair.
You will then be granted Return Authorization.

Date: ____ ____ ____ Model #: _____

Serial #: _____

Customer: _____

Service Company: _____

Volts: _____ Phase: _____

WARNING: HIGH VOLTAGE

Disconnect power before testing.

Preparation

1. Disconnect power at circuit breaker.
2. Secure kettle in tilted position. Remove bottom cover.
3. Kettles may have 1, 3 or 6 elements. Each element has two terminals. The element terminal pairs can be identified by the wire colour coding. Locate and mark the element terminal pairs.

Wire Colour Coding

PAIR(s) #1, 4 Red/Brown
PAIR(s) #2, 5 Yellow/Black
PAIR(s) #3, 6 White/Blue

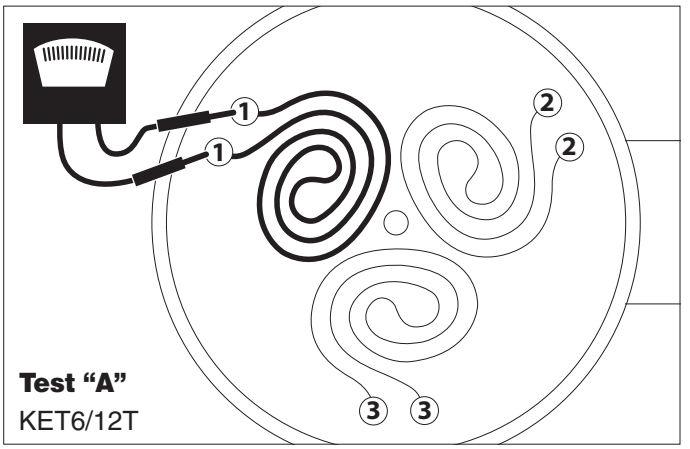
4. Disconnect wires from element terminals being careful to prevent excessive bending of element terminal pin.

Tests

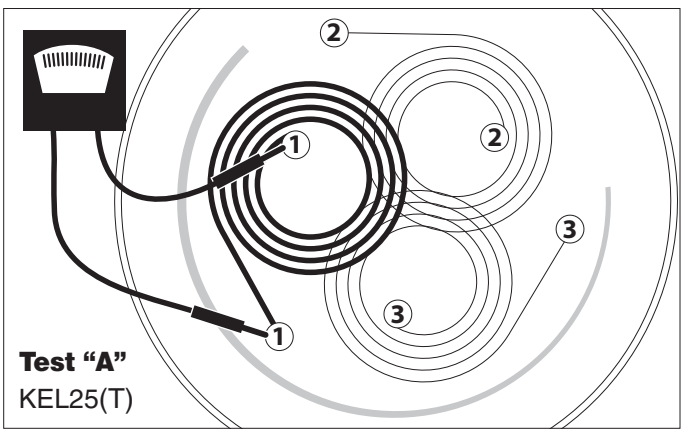
Test "A"

With an OHM meter, measure the resistance across all the pairs of element terminals and record results in boxes below (see illustrations to right).

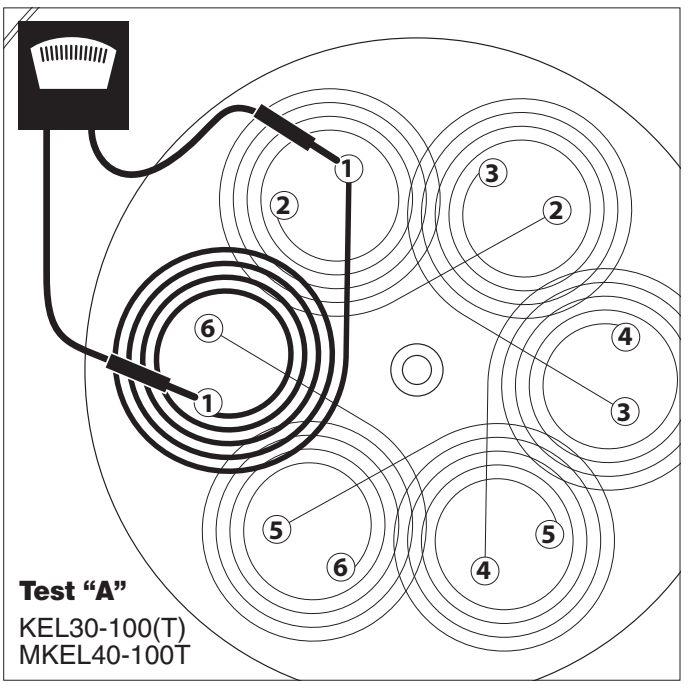
1	2	3	4	5	6



Test "A"
KET6/12T



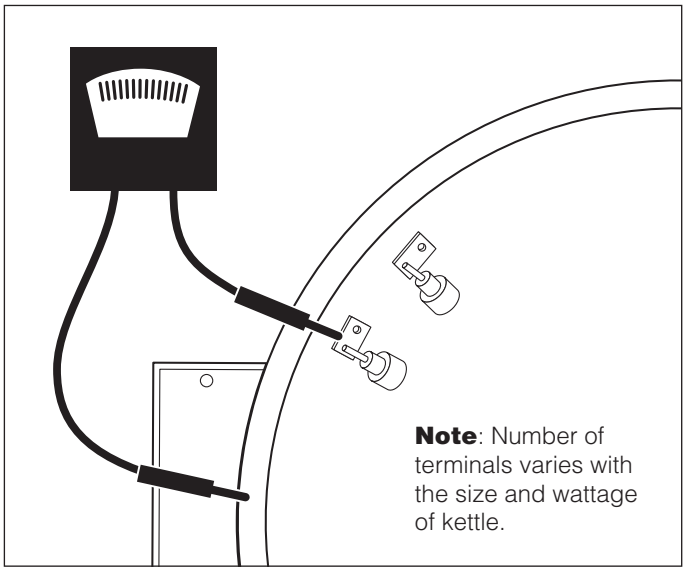
Test "A"
KEL25(T)



Test "A"
KEL30-100(T)
MKEL40-100T

Tests (continued)

Test “B”



Measure resistance between the kettle body (ground) and each element terminal. Record results in boxes below.

✔ **Yes** (resistance is greater than 1 mega ohm)

✘ **No** (resistance is less than 1 mega ohm)

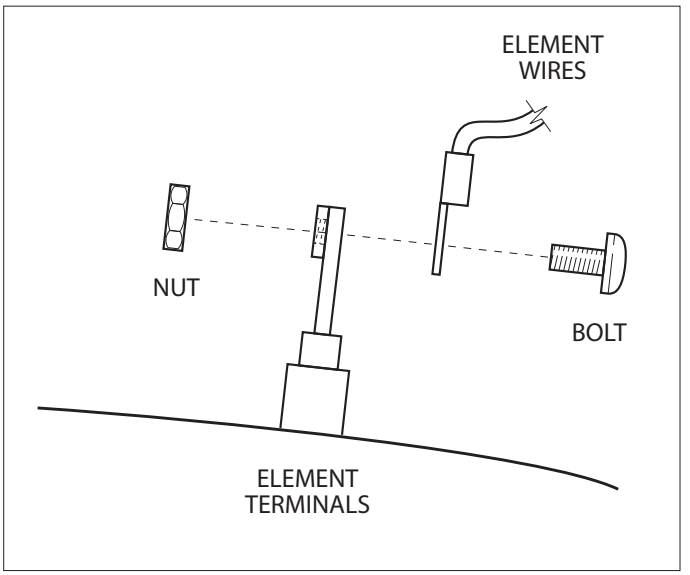
1	2	3	4	5	6

7	8	9	10	11	12

Results.

You probably have faulty elements if:

1. In **TEST "A"**, the resistance is not between 8-140 ohms.
2. In **TEST "A"**, elements have substantially different ohm readings.
3. In **TEST "B"**, you have recorded any ✘'s.



If no elements test faulty, reconnect element wires to terminals as shown using only the original stainless steel nuts and bolts.

If necessary remove any corrosion. Tighten firmly to prevent arcing.

Replace bottom cover.

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Cleveland

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