

# IAG GROUP LTD.

## SERVICE GUIDE

STATION

1

NO.

WI-QUAD-033

VERSION:

1.0

PAGE:

1/6

DATE:

2009/2/16

MODEL: ESL2905/2805

P/N: ZC-27800-\*\*\*

APPLICATION: ESL

REWORK INSTRUCTION

### CAUTION

●Extreme care should be exercised when working on ESL as contact with the secondary side of audio transformer under signal conditions can be FATAL.Read all instructions carefully before proceeding with any work.

●Contact with the EHT path should be avoided both when the loudspeaker is connected to or recently disconnected from the AC supply voltage. If the nature of the work being undertaken necessitates contact the EHT should first be discharged by short circuit to earth(ground point chassis)

### REMOVING DUST COVER:GREAT CARE MUST BE TAKEN

●The dust cover is fitted to a clip on frame and is removed by inserting a screwdriver at either end of the top cover. The screwdriver is then slid down between dust cover and side frame. This should be repeated in each of the other three corners after which the dust cover can then be withdrawn.

●Great care should be taken as the dust cover is FRIGILE. If the dust cover does become ruptured, it would be necessary to replace the plastic film, when removed the dust cover should be placed well away from the working area so as do avoid being damaged by solder splashes or wire cutter.

●Having removed both dust cover,it is necessary to unsolder the electrical connections to the faulty element and remove its 4 fixing screws. Care must be taken not to overheat the clips as they may become unsoldered from the electrodes.

●With the faulty element replaced the loudspeaker then can be reassembled in reverse order. Before fitting the dust cover,use an ordinary house hold vacume cleaner on the louvers,just to make sure there is no dust.

●Once the dust cover are in place, they must be retensioned with a hot air blower to remove all wrinkles. The blower should be kept moving all the time in order to prevent burning a hole in the material.

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# IAG GROUP LTD. SERVICE GUIDE

STATION

2

NO.	WI-QUAD-033
VERSION:	1.0
PAGE:	2/6
DATE:	2009/2/16

MODEL: ESL2905/2805 P/N: ZC-27800-\*\*\* APPLICATION: ESL Rework INSTRUCTION

## OPERATION INSTRUCTION

## REQUIRED TOOLS

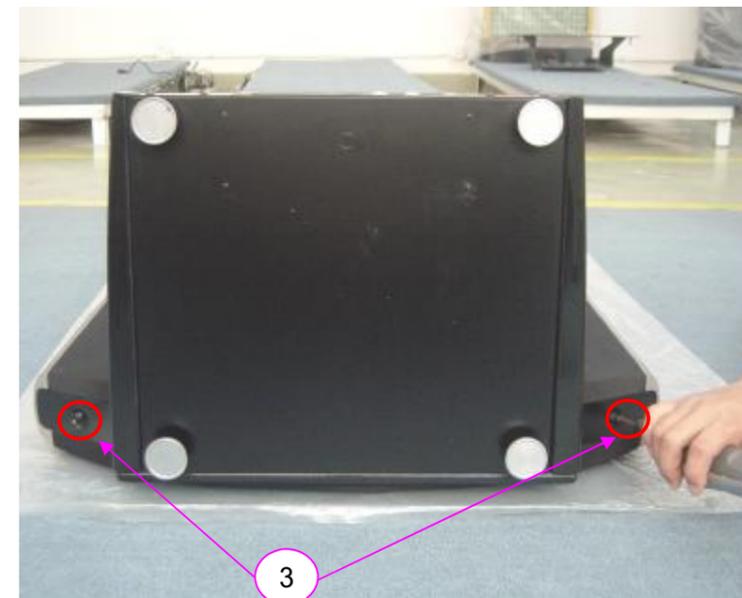
- PHILIP SCREWDRIVER MEDIUM
- PHILIP SCREWDRIVER LARGE
- SOLDERING IRON
- LONG NOSE PLIERS
- SIDE CUTTERS
- SMALL FLAT BLADE SCREWDRIVER
- PLASTIC ROD
- THREAD LOCK (LOCK TIGHT)
- HOUSE HOLD VACUM CLEANER



1. Inspect unit before dismantling



2. Lay the unit on a clean flat surface as shown.



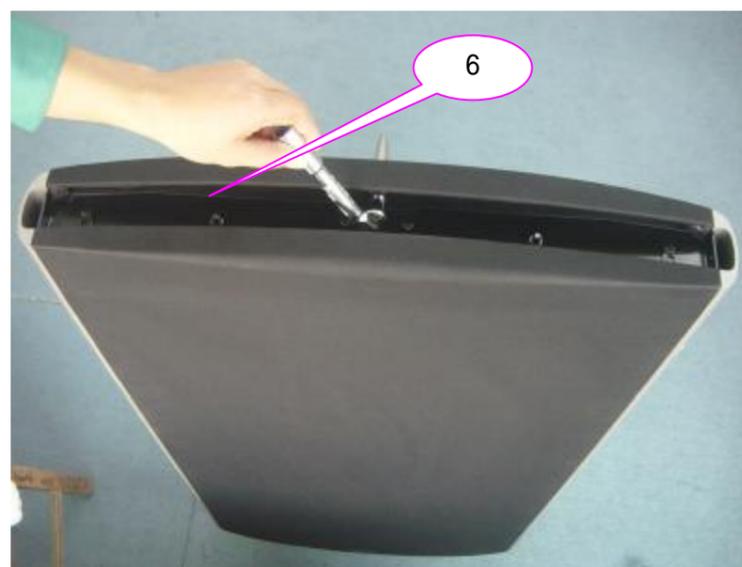
3. Undo and remove the 2 screws(M4 \* 10), remove the 2 plates as shown.



4. Use plastic curton rod to push the top plinth.



5. Gently lift off the top plinth and keep in safe place.



6. Undo the M8 nut with M16 side spanner as shown.

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# IAG GROUP LTD. SERVICE GUIDE

STATION

3

NO.

WI-QUAD-033

VERSION:

1.0

PAGE:

3/6

DATE:

2009/2/16

MODEL: ESL2905/2805

P/N: ZC-27800-\*\*\*

APPLICATION: ESL

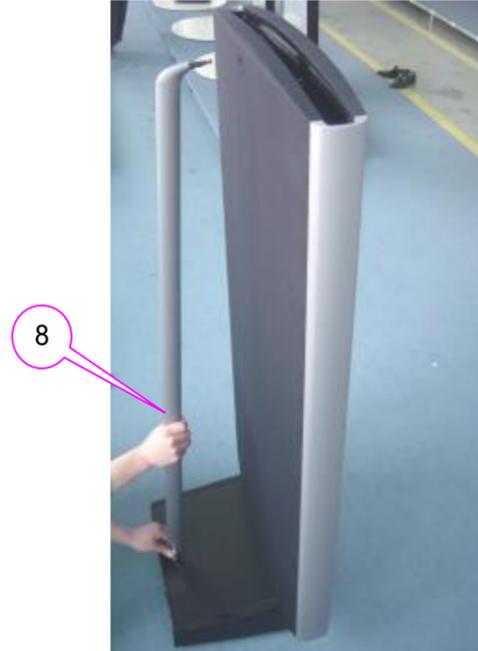
REWORK INSTRUCTION

## OPERATION INSTRUCTION

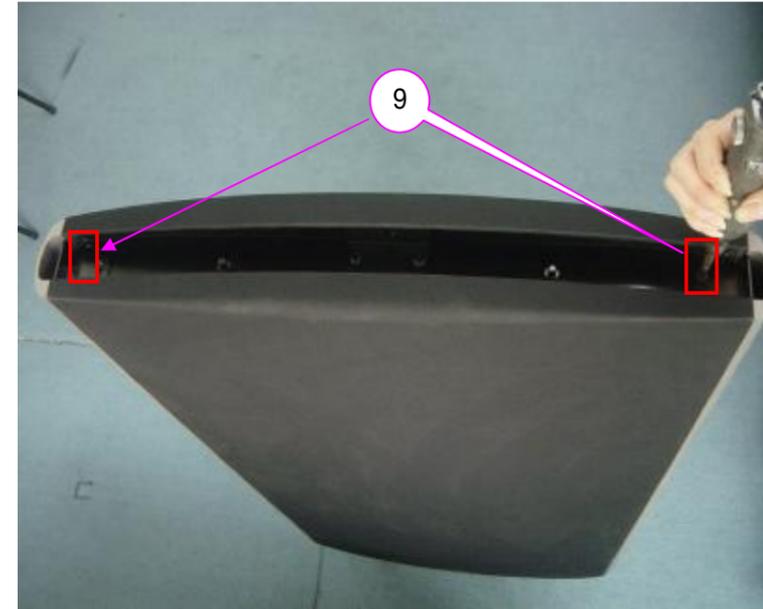
## REQUIRED TOOL



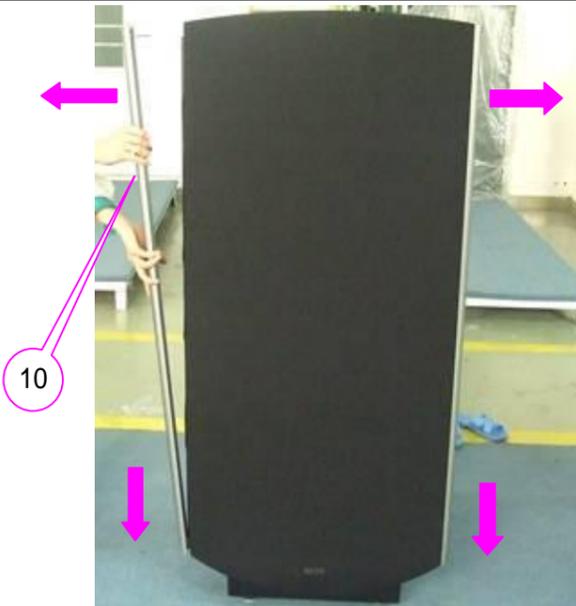
7. Gently pull out the tension rod as shown.



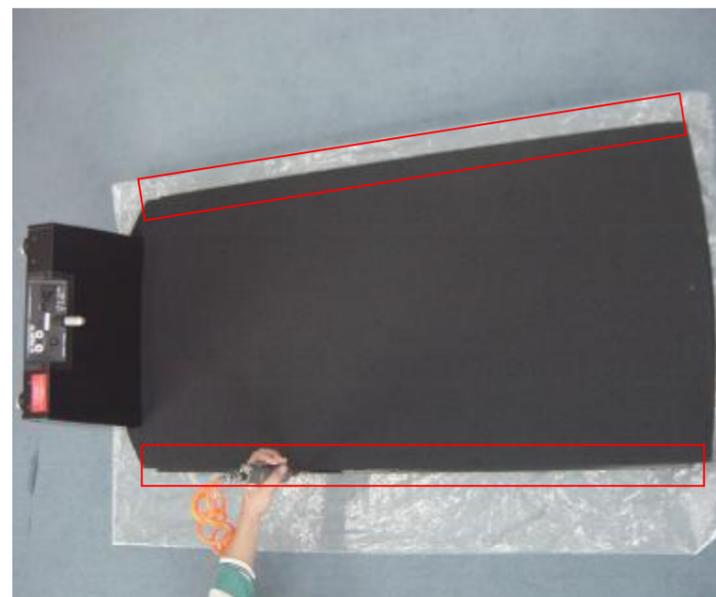
8. Undo the bottom nut to remove the tension rod and keep in safe place.



9. Unscrew the 4 screws (M5 \* 10) as shown in the picture to release the two side alirunner



10. Follow instructions as shown.



11. Remove 14 screws (M3 \* 12), note all screws have been lock tightened.



12. Lift up the grill as shown, (repeat this for both sides, keep the grill in the dust free area).

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# IAG GROUP LTD. SERVICE GUIDE

STATION

4

NO.

WI-QUAD-033

VERSION:

1.0

PAGE:

4/6

DATE:

2009/2/16

MODEL: ESL2905/2805

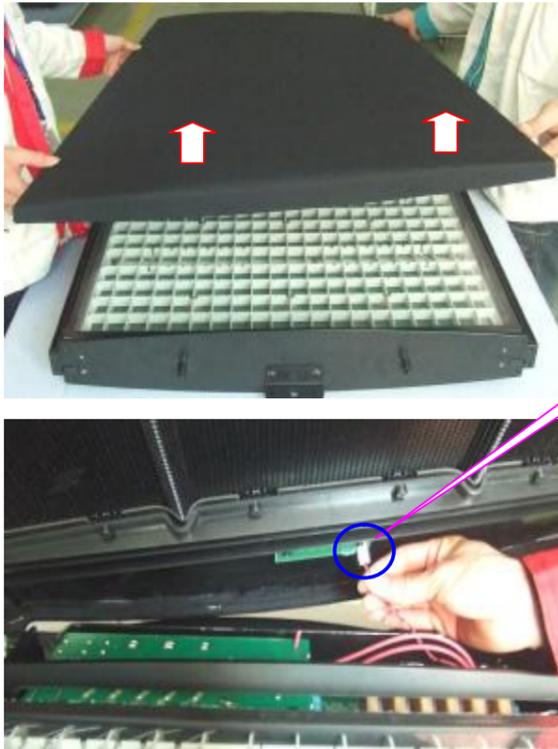
P/N: ZC-27800-\*\*\*

APPLICATION: ESL

REWORK INSTRUCTION

## OPERATION INSTRUCTION

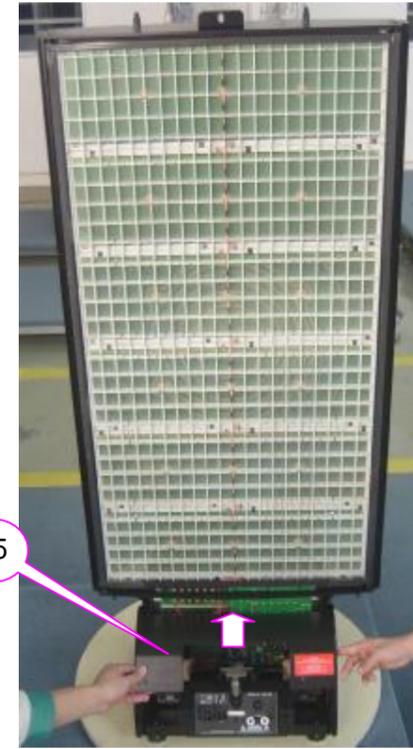
## REQUIRED TOOL



13



14

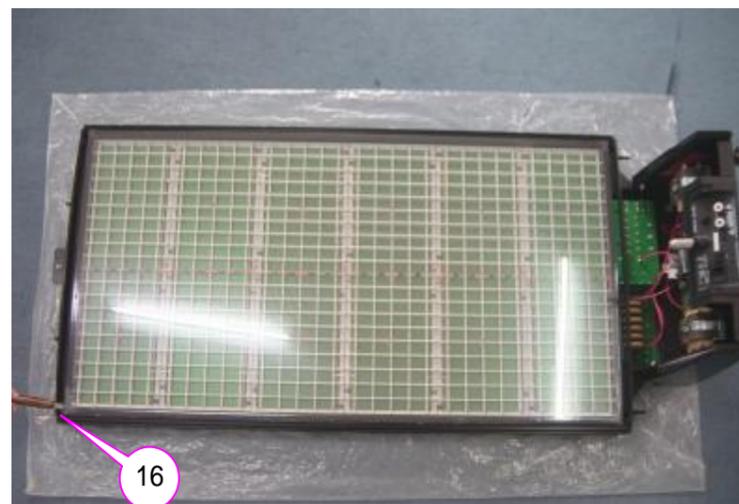


15

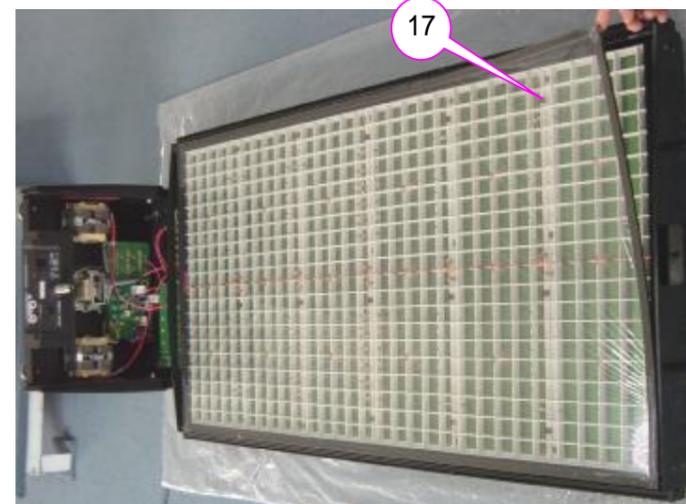
13. Carefully unplug from logo PCB.

14. Unscrew the 4 screws (M4 \* 10) screws as shown.

15. Gently lift the cover upward in the direction of the arrow.



16



17



18

16. Very carefully remove the dust cover already mentioned in the main instruction.

17. Repeat last step.

18. Removed the 8 screws (3.5 \* 25) as marked to lift off the top plate as shown.

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# IAG GROUP LTD. SERVICE GUIDE

STATION

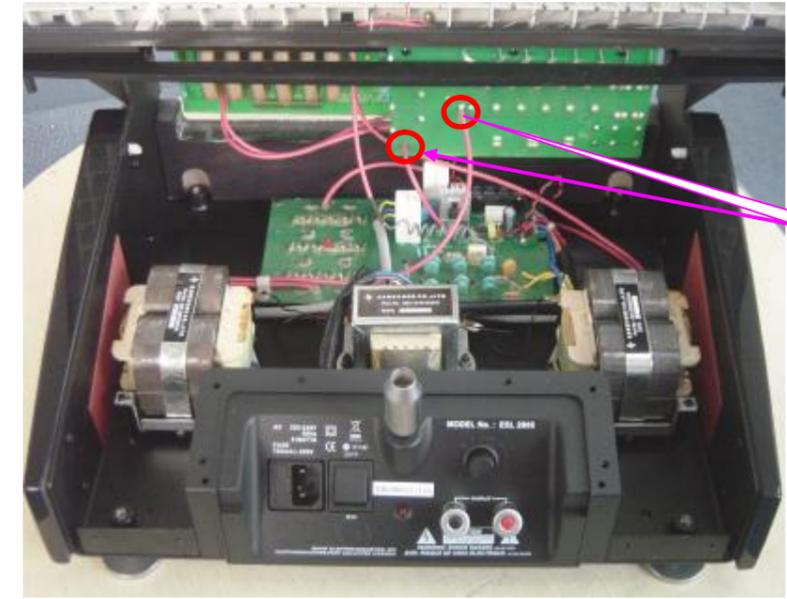
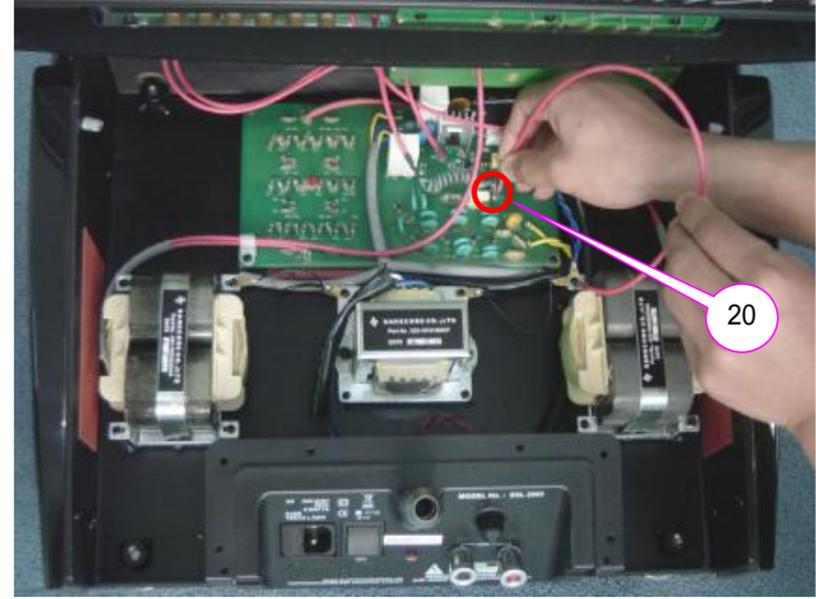
5

NO.	WI-QUAD-033
VERSION:	1.0
PAGE:	5/6
DATE:	2009/2/16

MODEL: **ESL2905/2805** P/N: **ZC-27800-\*\*\*** APPLICATION: **ESL** RERWORK INSTRUCTION

## OPERATION INSTRUCTION

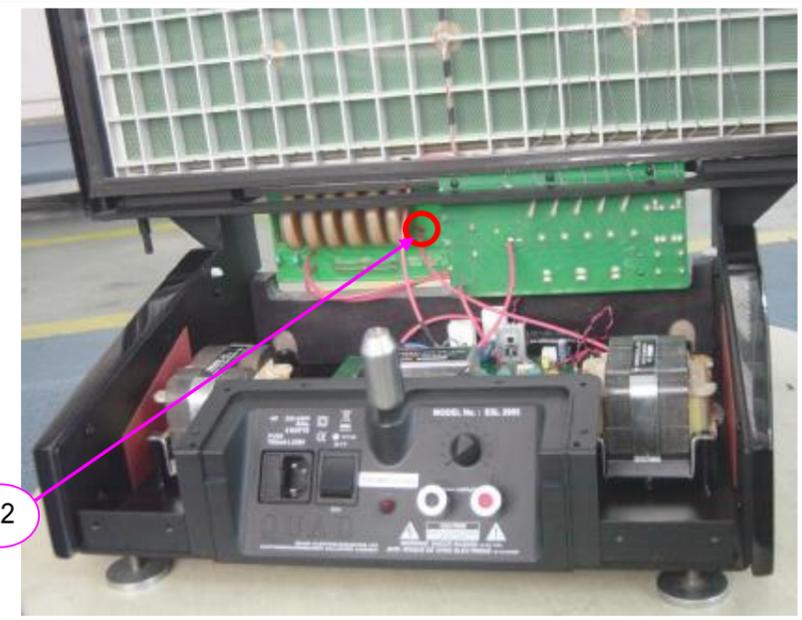
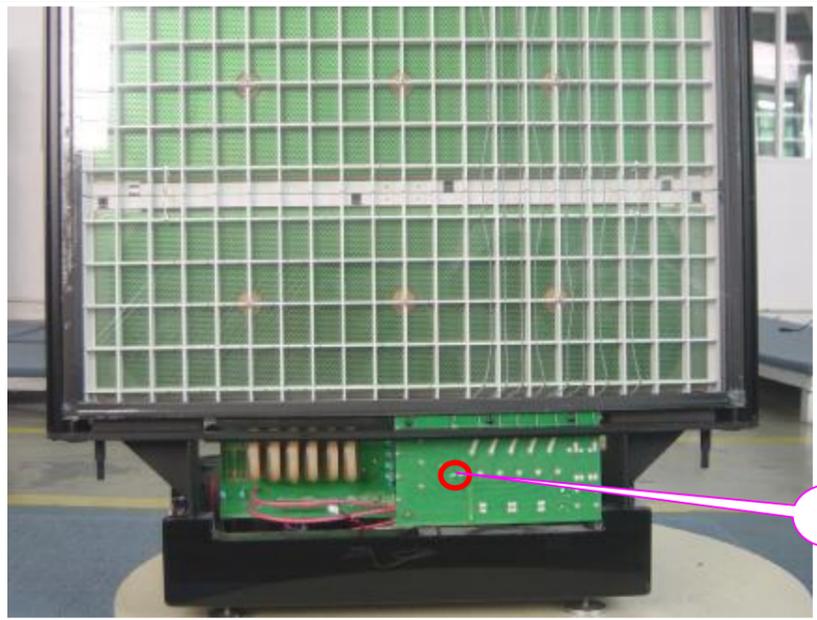
## REQUIRED TOOL



19.Lift off the top plate.

20.(Extreme care must be taken when unsoldering) discharge the remaining charged voltage within circuit and then unsolder EHT wires as shown in the picture.

21.Unsolder the EHT wires as marked in the circle.



22. Unsolder the EHTwires as marked with red circles. (Be sure to identify them when reassembling)

23.Now carefully pull upwards in the direction of the arrows.Remove the whole assembly.

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# IAG GROUP LTD. SERVICE GUIDE

STATION

6

NO.	WI-QUAD-033
VERSION:	1.0
PAGE:	6/6
DATE:	2009/2/16

MODEL: ESL2905/2805

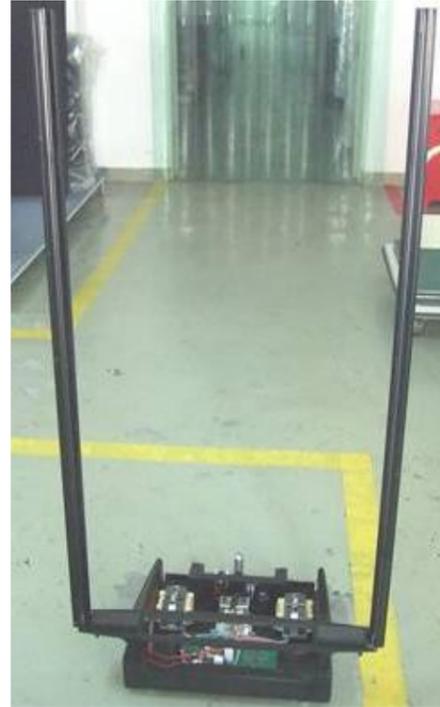
P/N: ZC-27800-\*\*\*

APPLICATION: ESL

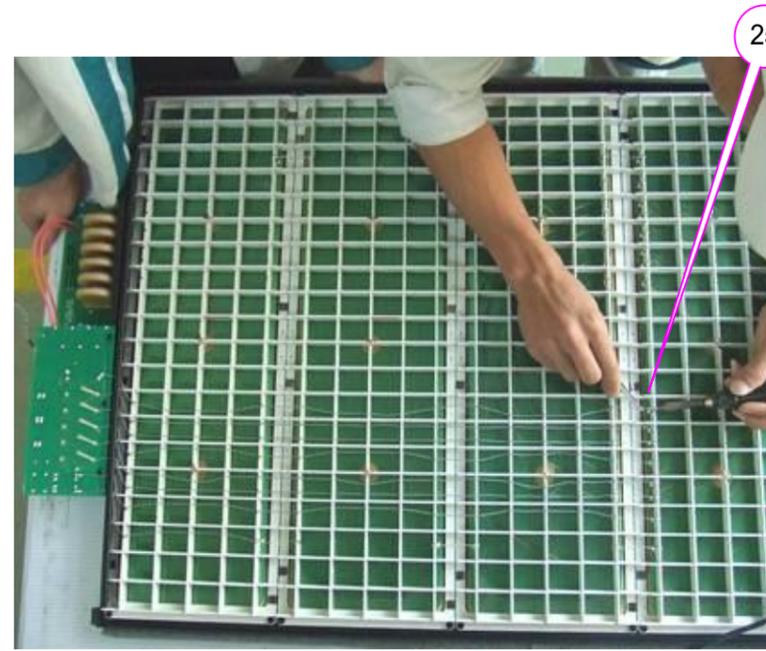
REWORK INSTRUCTION

## OPERATION INSTRUCTION

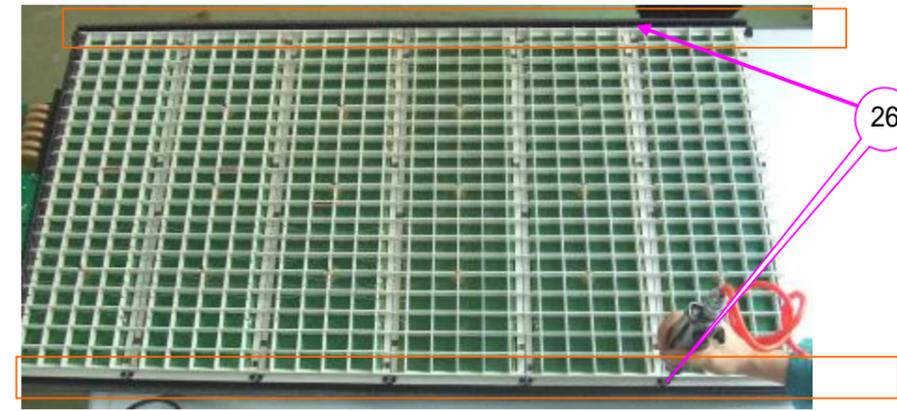
## REQUIRED TOOL



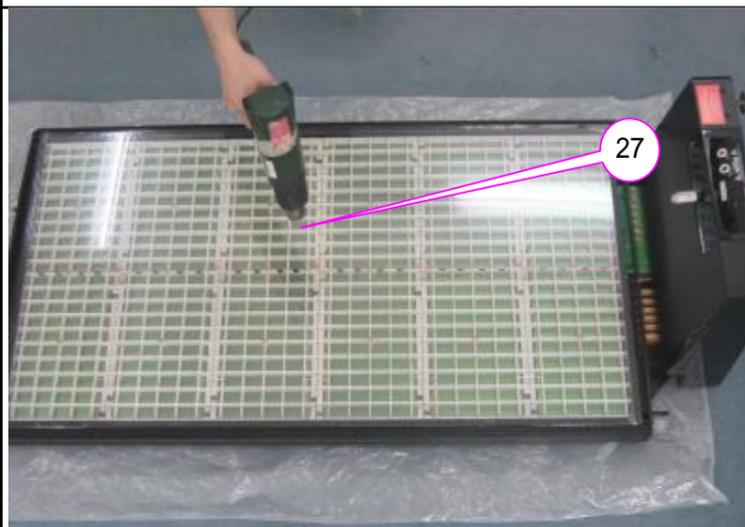
24. Remove element assembly as shown.



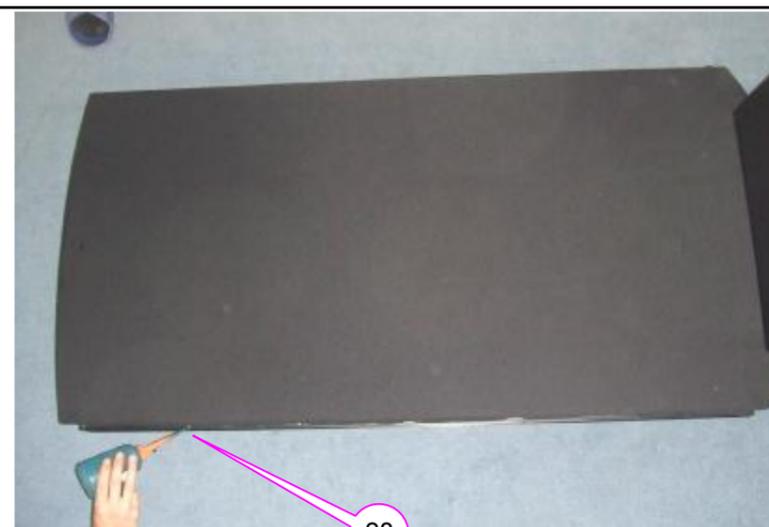
25. Very carefully unsolder wire links and remove the faulty element. After new elements are installed, reassemble in the reverse order.



26. Undo the screws as shown. every element has 4 screws.



27. Distance of the heatgun to the surface should be 150mm approx, and the temperature should be 75 to 80 degrees approx.



28. Apply thread lock on the screw heads.



29. Reassembled final unit, ready for test.

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