

Technical Service Bulletin

TSB_IT 2008-016
Floor Cleaning Equipment

Subject: SCRUBTEC 343 B & E

New electrovalve

15 December 2008

Ref. ODM Nr: 2866

PROBLEM: Some premature failure of the electrovalve consist of coil burnt, both on 24V and 230V machine versions.

SOLUTION: Supplier change from SIRAI to ACL, also as matter of harmonization to other models.

AFFECTED: SCRUBTEC 343 B & E,
Implemented in production starting from week48-2008, breaking Serial Nr.**084834866**

SPARE

PARTS: Machine before SN 084834866

New Part Nr.	Description
909 5977 000	KIT ELETTRIVALVE SCRUBTEC 343 B
909 5699 000	KIT ELETTRIVALVE SCRUBTEC 343 E
909 5980 000	KIT ELETTRIVALVE SCRUBTEC 343 E - JP

Machine after SN 084834866, new PN for spare:

New Part Nr.	Description
9097738000	ELETTRIVALVE ACL 24V
9097740000	ELETTRIVALVE ACL 220/230V
9097739000	ELETTRIVALVE ACL 110V

ACTION: It's possible to update the machine on the field to the current production by the new KIT (all necessary parts included and assembly instruction here enclosed)

Yours faithfully,
Nilfisk-ALTO

Alberto Rastelli
Technical Support & Training

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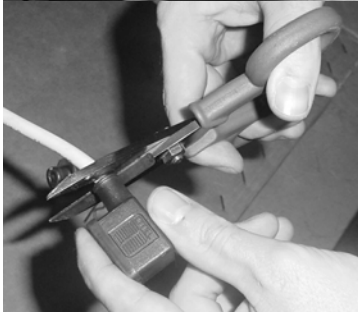
INSTALLATION INSTRUCTIONS FOR KIT



1

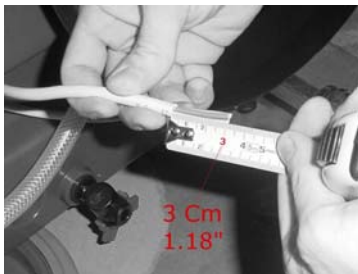
Follow the operations to replace the connector of the valve.

1. *Verify if the power supply is disconnected.*
2. *With a screw drive remove the connector screw.*



2

Cut the electric wire as in figure.



3

Cut the protection of the wire for 1.18 inc (3cm) (as shown in figure). Attention, don't cut the coloured wire.



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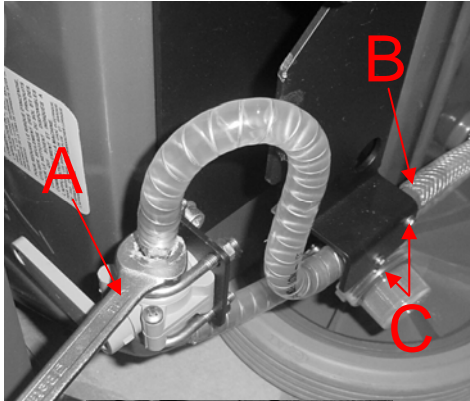
Connected the wire as in figure.

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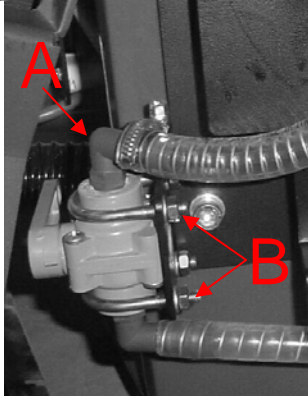
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5

Follow this operations to remove the pipes, pipe fitting and the valve.

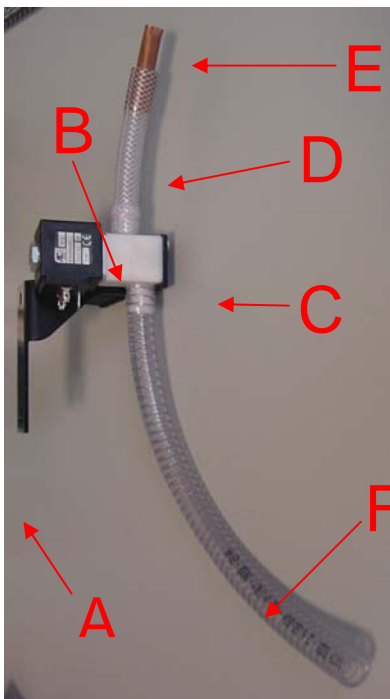
1. Remove the pipe fitting with the key (A).
2. Remove the tube (B) from the valve.
3. Remove the screws (C), and then the valve.



6

Follow this operations to install the 90° pipe fitting.

1. Unscrew the nuts (B) to let the valve free.
2. Screw the 90° pipe fitting (A) with the key used before.
3. Screw the nuts (B).



7

Follow this operations to install the valve.

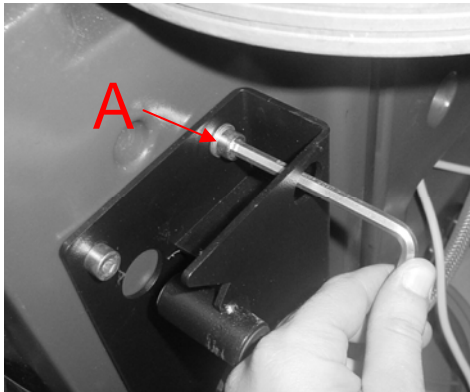
1. install the valve (B) on the bracket (A) and fix the screws (C). Put attention on the orientation of the valve shown in figure.
2. insert the pipe (D) and the copper adapter (E). The adapter should be fix in the middle of the length.
3. Insert the pipe (F).

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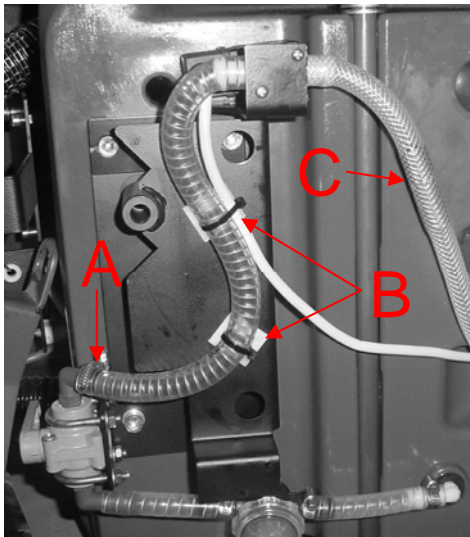
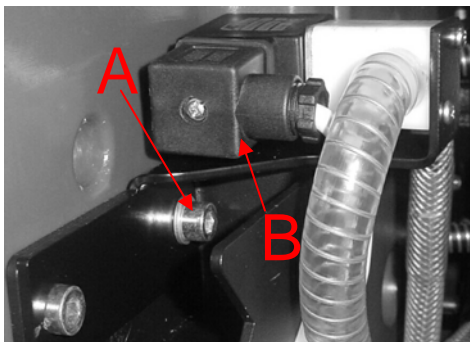
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Follow this operations to install the valve prepared before.

1. To install the valve is only necessary to remove the screw (A). This part must be changed with the new screw in the kit (M8x16).
2. Insert the bracket (show in figure) and fix the screw M8x16 (in the kit, A).
3. Insert the connector in the valve. If the wire in too short pull it (as shown in the figure). Attention, don't damage the wire during the operation.



9

Follow this operations to install the pipes.

1. Insert the copper fitting in the tube (C in figure).
2. Clean the surface where the hose clamps (B) will be positioned.
3. If you need is possible to fix the hose clamps (B) also with screw, if so follow the instruction below:
 - 3.1 Paste the fixing-tube(B) as shown in the figure.
 - 3.2 Make an hole in the centre of hose clamps with drill tool $\varnothing 4.5\text{mm}$.
 - 3.3 Fix the hose clamps with the screws M4x14 in the Kit.If you don't decide to use the screw, use only the glue on the hose clamps.
4. Fix the tube with nylon black clamp, fix also the electrical wire with the pipe.
5. Close the clamp (A).

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