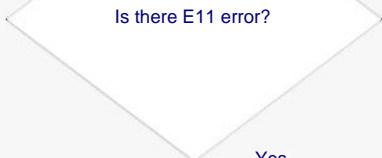


\* Program is left half finished.  
 \* Machine makes sudden strappings.  
 \* Machine does rotate.



E11

Start spin program

\* Motor open circuit or  
 \* Tacho open circuit

Machine shall be turned off.  
 1) Resistance value is measured between the 3<sup>rd</sup> and 4<sup>th</sup> pins of KN1 socket which was removed from the board. Resistance value is approximately 1.5 Ohm. There should be no open or short circuit. (Picture E11-2)  
 2) Resistance value is measured again between the 1<sup>st</sup> and 2<sup>nd</sup> pins of KN1 socket; there should not be any open circuit. (Picture E11-3)

Is the motor moving and stopping suddenly?

Cont'd from E11\_3B-B

Are both measured values correct?

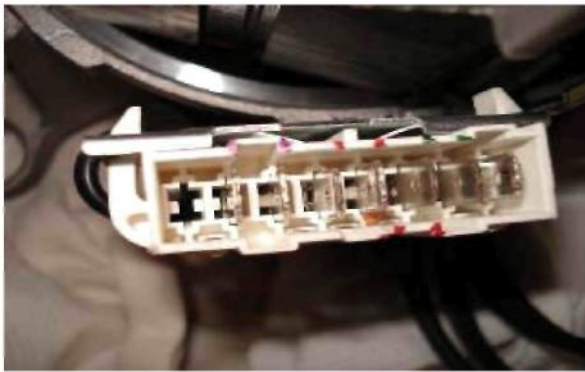
Is there a DC module in the machine?

Cont'd from E11-2 A-A

Replace DC module. Replace control board. Start spin program again

Replace control board. Start spin program again

PICTURE E11-12: 8-pin motor connector

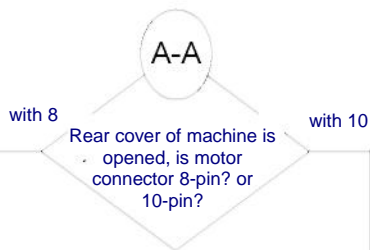
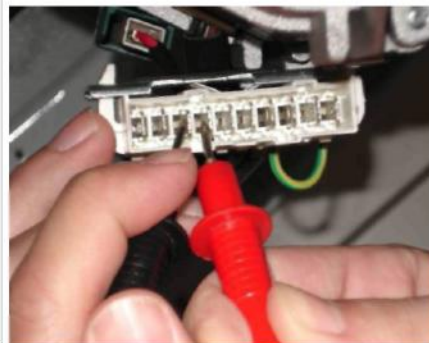


IMPORTANT: First connector on 8-pin motor connector is empty. This connector is also counted. Picture E11-12

PICTURE E11-4: Motor coil resistance is being measured over 8-pin motor



PICTURE E11-6: Motor coil resistance is being controlled over 10-pin motor



1) Motor socket is removed. Resistance value passing between 2<sup>nd</sup> and 3<sup>rd</sup> pins of motor connector is measured. Resistance value is approx. 1.5 Ohm. There should be no open or short circuit. (Picture E11-4)

2) Resistance value is measured between the 4<sup>th</sup> and 5<sup>th</sup> pins of motor connector; there should not be any open circuit. (Picture E11-5)

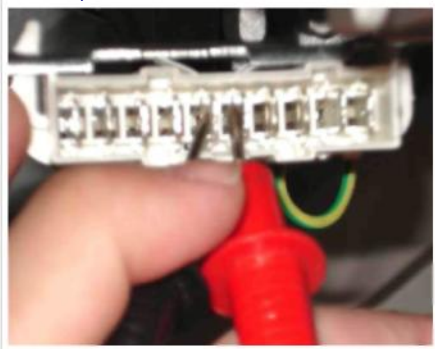
1) Motor socket is removed. Resistance value passing between 3<sup>rd</sup> and 4<sup>th</sup> pins of motor connector is measured. Resistance value is approx. 1.5 Ohm. There should be no open or short circuit. (Picture E11-6)

2) Resistance value is measured between the 5<sup>th</sup> and 6<sup>th</sup> pins of motor connector; there should not be any open circuit. (Picture E11-7)

PICTURE E11-5: Motor rotor is being controlled over 8-pin motor



PICTURE E11-7: Motor rotor is being controlled over 10-pin motor



Are both measured values correct?

Yes

No

Check and correct the cabling between the board and motor  
Start spin program again

Replace the motor. Start spin program again

Cont'd from

Are there 120 seconds between motor movements?

No  
Yes

Check error code again when the machine program is finished.



Machine is turned off and KN4 connector on the Board is removed to check if the resistance between Tacho ends is approximately 80 Ohms or not. (Picture E11-8VX))

Yes

Replace control board. Start spin program again

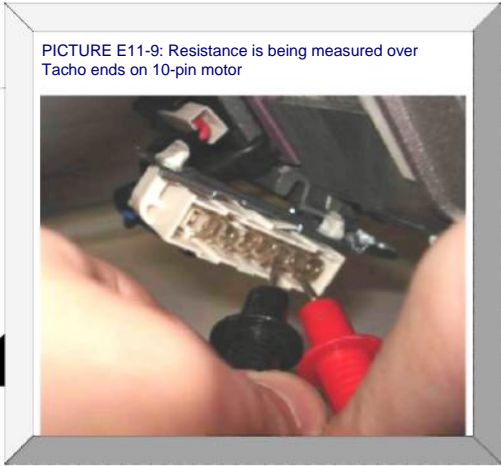
No

Rear cover of machine is opened, is motor connector 8-pin? or 10-pin?

with 8

with 10

Motor connector is removed to measure resistance between Tacho ends. Pin6, Pin7 (Picture E11-9). Tacho resistance must be 80 Ohms.



Motor connector is removed to measure resistance between Tacho ends. Pin7, Pin8 (picture E11-10) Tacho resistance must be 80 Ohms.



Are the measured values correct?

No

Yes

Replace the motor. Start spin program again

Check Tacho cable. Start spin program again