

AIRBALL
BLOWER CONTROL MODIFICATION

DISASSEMBLE

1. Remove coin acceptor door.
2. Remove four 1/4" wing nuts from coin acceptor frame and remove frame.
3. Remove left lower lexon panel to expose blower control assembly.
4. Remove large and small existing cotter pins and discard.
5. Remove blower handle return spring (1) and remove handle (2).
6. Remove two 7/16" blower control assembly mounting nuts and remove assembly from cabinet.
7. Remove front 8-32 x 3/4" screw and nut closest to the contact rivets and discard. Note: If rheostat fiber link is broken, replace rheostat. Be sure that jumper wire (16) is installed on the new rheostat.

MODIFICATION

8. Install one flat washer onto the 4-40 x 1 1/2" screw. Then install the 5/8" gray insulated spacer (15) and another flat washer. Install this assembly through the front mounting hole so that the wiper arm will be stopped by the insulated spacer. Add the other flat washer, the lock washer, and 4-40 nut as shown. Leave the 4-40 nut finger tight. Also loosen the 8-32 screw and nut (3) - this will be tightened later.
9. Install the two 7/16" gray spacers with the cut (4) in upper slot of the blower handle mounting bracket (5) as shown.

10. With the 8-32 (3) and the 4-40 (6) loose, adjust the rheostat (7) to its furthest downward and forward position. Tighten the 8-32 (3) and the 4-40 (6). Note: Do not over tighten these nuts as excessive force will crack the rheostat body.

REASSEMBLY

11. Re-install the assembly into the cabinet and tighten the two 7/16" blower assembly mounting nuts.
12. Install handle (2) from topside. As the handle passes through lower slot of blower handle mounting bracket (5), install 7/8" compression spring (8) around blower handle so that the slot in the handle straddles the tip of the fiber link (9) of the rheostat.
13. Now push the compression spring (8) down so that the blower handle return spring (1) can be installed on the blower handle. Release the compression spring so it rests on the blower handle return spring and fiber link as shown.
14. Attach the other end of the blower handle return spring to the mounting bracket (10).
15. Install the new 3/16" x 1 1/2" cotter pin (11) through the upper hole in the blower handle. Spread the cotter pin.
16. Adjust the blower handle mounting bracket (5) so that the wiper in an "at rest" position is off the last contact rivet (12). When the blower control handle is pushed all the way forward, the wiper arm (13) should just be touching its furthest contact rivet (14). If additional adjustment is needed, loosen the rheostat mounting screws (3 & 6) and adjust rheostat to obtain desired wipe.
17. Replace the lexon panel, coin acceptor frame, wing nuts and coin acceptor door.

This modification will prevent damage to the fiber link in locations where excessive abuse is encountered.

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This diagram shows an exploded view of a mechanical assembly. The components are labeled with circled numbers 1 through 16. The assembly includes a main housing (1), a vertical support plate (2), a horizontal plate (3), a spring (4), a lever arm (5), a pivot pin (6), a spring (7), a spring (8), a spring (9), a spring (10), a spring (11), a spring (12), a spring (13), a spring (14), a spring (15), a spring (16), and a spring (17).

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