

DOCKET NO. SA-516

EXHIBIT NO. 110

NATIONAL TRANSPORTATION SAFETY BOARD
WASHINGTON, D.C.

CABIN ELECTRICAL WRITE-UPS

(PAGES O-1 THRU O-13)

CABIN ELECTRICAL WRITE-UPS

APRIL

<u>DATE</u>	<u>PAGE</u>	<u>WRITE-UP AND SIGN-OFF</u>
4/2	33038-2	Call light wont light at 43-1. Relamped checks ok.
4/2	33039-1	reading lights out at seats 21-1, 25-4, 31-3, 31-6, 35-8, 36-1, 36-2, 43-1, 44-1. relamped checks ok.
4/4	33043-2	Lav "J" no lights. Relamped ops check ok.
4/4	33044-1	Lav "L" lights are out. Relamped ops check ok.
4/6	33049-3	Overhead light out in lav U1. Relamped bulb check ok.
4/7	22102-1	Audio out "C" zone seats 4,5,6 whole cabin. Reset PSS test accomplished normal.
4/7	22104-3	Lav U1 no light as you enter. Relamped checked ok.
4/8	22106-1	Pax stereo plug seat 8-8 stereo plug loose, intermittent sound. Secured plug seat 8-8. Ops check normal.
4/8	Non-routine	"B" galley and "D" galley overhead fluorescent lights inoperative. Relamped check ok.
4/11	22108-2	Entire cabin F/C and coach no music. Tried to replace main mux and PA 1 ampl. No help. Deferred until LAX 4/12 - troubleshot system found both audio switches bad. Replaced switch at L-4 door. Needs switch at L-1 door P/N 91-0264. Cabin audio restored but must use switch at L-4 door. 4/15 JFK - replaced audio switch at L1 door - no help. Resoldered wires at L1 door, audio switch ops check normal.

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4/11	22109-1	Lav "J" no fluorescent light. Relamped. Checked ok.
4/12	22115-2	Ceiling light out above cockpit door. Cleaned contact and relamped. Ops normal.
4/13	22118-1	Reading lights out 36-1,2. Tried to replace SEB control seat panel and PSU no help. Deferred until JFK 4/15 - repaired broken power wire at pax reading light assembly. Reading light ops check normal.
4/14	22119-2	Audio does not work. Lights go on and off in last half of "C" zone in center. Secured connector at seat. Ops check ok.
4/14	22121-2	"D" and "E" overhead lights out. Relamped checked ok.
4/14	Non-routine	L-2 aft overhead ceiling lights inop. Relamped checked ok.
4/14	Non-routine	Center lav both overhead ceiling lights inop. Relamped checked ok.
4/14	Non-routine	Right aft overhead ceiling light inop. Relamped checked ok.
4/14	Non-routine	R1-L1 aft overhead ceiling lights inop. Relamped checked ok.
4/16	Non-routine	Upper call light inop - no 3R door. Relamped ok for service.
4/20	22131-2	Cove light at 4R inop. Relamped no help. Replaced ballast at 4R cove lights ops checked normal.
4/20	22133-2	Seats 6 and 7 in rows 41-54 and seats 4 and 5 in rows 22-28 have static on audio channels. Reseated seat cable at 43-7 and 22-4. Audio ops checked normal.

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4/20	22133-3	Overhead lights in D/E galley right rear and left forward won't come on bright. Relamped lights ops check good.
4/22	22139-2	Lav "J" fluorescent light inop. Relamped ops check normal.
4/22	22140-3	Ceiling lights inop row 34 left side and row 10 left side and row 19 right side. Relamped. Ops checked normal.
4/23	22143-3	Lav "K" entry light inop. Relamped.
4/23	22144-1	Reading lights inop 38-2 and 33-8. Relamped
4/23	22144-2	Cabin overhead lights inop row 34 left side. Relamped.
4/24	22146-2	Reading light at seat 41-0 is burned out. Relamped ops check normal secured PSU.
4/25	Non-routine	Check all pax reading lights in all zones for proper operation. Checked and relamped as needed.
4/25	Non-routine	Check all pax call lights in all zones for proper operation. Check and relamped as needed.
4/26	19151-2	R2 cabin door area chime button light is inop and no chime when pax call button is activated. Corrected wire tension ops normal.
4/26	19151-3	Call button reset switch will not cancel pax call light at 29-8, 9, and 0 seats. Operated call button at all connections several times. Reset works normally. Could not duplicate.
4/29	Non-routine	Check all interior lights. Accomplished ok.

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4/29	Non-routine	Aft left hand coat compartment ceiling light out. Relamped. Ops check ok.
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5/1	19167-3	Seat 9-7, no reading light. Relamped - ops check normal.
5/3	19175-2	"D" galley overhead lights right side very dim. Relamped galley "D" lights - ops check ok.
5/8	19190-1	Seat 25-3, reading light inop. Relamped checked ok.
5/8	19190-3	Seat 4-5, no movie sound on channel #1 also some channels inop. Reseated SEB connectors at seat 4-5, checked ok.
5/9	19194-2	Seat 4-5 sound switches movie sound to audio and back with no inputs from selector. Replaced seat control op checks normal.
5/11	22902-1	Cab attendant light burned out R-4 door. Relamped. Ops check normal.
5/11	22902-2	"D" galley left side work surface light burned out. Readjusted and resecured lamps at left hand side "D" galley. Ops check ok.
5/11	22903-1	No smoking sign facing R-4, jump seat burned out. Moved and readjusted no smoking sign lamp aft of R-4 door. Ops check ok.
5/11	22903-3	Lav "M" no light. Reseated lamp connector, ops checked normal.
5/15	22913-2	Seat 15-4 heavy static on movie channel. Reseated SEB checked ok.
5/17	22290-1	Call lights inop at seats 12-7, 14-2, 15-2, 18-7, 32-8, 44-4, 46-4, 47-7, 25-8. Relamped checked operation ok.

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5/17	22920-2	Reading light inop at 33-8. Relamped checked ok.
5/17	22925-1	Light on second from top stair socket broken, light seems to be ok. Relamped checked all stair lights. Operation normal.
5/20	22929-1	"M" lav interior light doesn't come on when door is locked. Exercised door switch. Operation ok.
5/20	22929-3	92-2 reading light inop. Relamped checked operation ok.
5/21	22937-1	Lav "M" light does not come on when door is locked. Recheck lav "M" ops normal lights normal.
5/23	22942-1	Row 42-7 reading light inop. Relamped ops good.
5/23	22944-1	44-6 and 7 reading lights out. Relamped, ops check good.
5/23	22946-1	Seat 92-1 reading light inop. Relamped checks ok.
5/23	22946-2	Seat 42-0 reading light inop. Relamped checks ok.
5/23	22947-2	Seats 1-1,2-1, 2-2, 3-1, 3-2, 4-1, 4-2, 5-4, 5-5 reading lights inop. Unable to duplicate malfunction. Checked lights operation normal.
5/24	Non-routine	Several stairwell step lights are burned out. Relamped checks ok.
5/25	22949-3	Row 29-1 and 2 reading lights out. Repaired wire. Checked ok secured PSU.
5/25	37751-1	"M" lav interior light out. Relamped ops normal.
5/25	37751-2	Lav light S call light does not work. Relamped call light, ops normal.

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5/25	37753-1	First class 92-1 reading light inop. Relamped, no help deferred until BCN 5/26 - spliced loose wire to lamp holder operation checked ok.
5/27	Non-routine	Lavatory "M" light inop. Relamped checked ok.
5/29	37766-3	Static sound only seats 18-4 and 5, 19-4 and 5, 20-4 and 5. Reseated connection at SEB ops check.
5/30	37768-1	Reading lights burned out at 20-4, 25-6, 26-6, 21-8, 31-2, 32-5, 30-8, 29-8, 45-5, 45-6. Relamped as required checks ok.
5/30	37769-1	Upper deck blue pax call light continually blinks on and off. Found switch in test position. Selected normal light operation normal.
5/31	37777-1	Seat 5-6 audio goes on and off only one ear (side) working. Deferred until LGW 5/31 - reseated cp on SEB. checks ok.
5/31	37777-2	Lav K light out - only dim when door is locked. Relamped ops checked ok.
5/31	Non-routine	Multiple reading lights inop. Relamped as necessary. Ops checked ok.

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6/2	37787-3	Loose wires on floor under 34-4 and 38-5. Repositioned wire. All ok.
6/1	37788-2	"B" galley counter light is dim only. Repositioned bulb. All ok.
6/2	Non-routine	805042 - check all interior lights. Accomplished ok

<u>DATE</u>	<u>PAGE</u>	<u>WRITE-UP AND SIGN-OFF</u>
6/2	37792-3	Lav K overhead round light burnt out. Relamped ops checked ok
6/3	37793-2	Pax call light will not turn off. Checked found all ok.
6/3	37793-3	Pax call lights burnt out 31-8, 51-7, 54-9, 54-4, 54-7. Relamped ops ok.
6/3	Non-routine	805046 cove lights 1-9, 4-9, 5-9, out. 1-9 relamped check ok. Relamped 4-9, 5-9. No help deferred until 6/6, amps input accomplished. JFK 6/17 - replaced both lamp holders. Ops check normal
6/5	27257-1	"B" zone cannot hear announcements properly. Adjusted "B" zone amplifier ops normal.
6/6	27262-1	Numerous passenger reading lights blink in first class. Performed PSS test an ops check normal.
6/6	27263-1	Seats 8-8, 8-0, audio static. Replaced seat control unit. Ops check normal.
6/6	27263-2	Galley "B" work lights above counter only work on dim. Relamped, ops check normal.
6/6	27263-3	Seat 8-9, no audio. Reseated connector at seat control, ops check normal.
6/11	27282-3	Reading lights inop 45-7, 37-5, 36-3, 23-8, 25-8. Relamped ops check normal.
6/11	27283-2	Overhead ceiling light inop, row 21-27 left side, row 41-43 right side. Relamped ceiling lights row 21-22, rows 41-43.
6/11	27284-2	Pax call light inop row 32, seat 1-2-3; row 11, seat 6 and 7. Relamped pax call button ops checked normal.
6/11	27285-3	Two lights on stairway to upper deck inop. Relamped ops check normal.

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6/12	27288-2	Stereo/audio has static sound in row 15 center section. Re-set connector on seat control boxes. Ops check normal.
6/12	27288-3	Cabin overhead lights inoperative at row 22, left side and row 33, left side. Excited fluorescent tubes, repositioned in sockets ops normal.
6/12	27291-2	Several lights (push button) above cove lights in upper deck are out. Replaced several bulbs in push button side wall lights. No help deferred until JFK 6/12 - relamped ops check normal, remove placard.
6/11	Non-routine	"B" galley ceiling lights inop in bright position. Relamped ops check normal
6/14	27303-1	Rows 2 through 5 left side F/C disco lights and flashing call lights. Deferred until STL 6/14 - re-seated SEU cables at seat 2 and 5 ground ops check normal.
6/15	27305-2	Bulb burnt out in F/A call light outside of Lav E. Relamped ops check normal.
6/15	27308-1	All "E" zone right side seats 8, 9 and 0, no audio-static (rows 40-54). Reseated cp's on several SEB's. All check ok
6/19	27317-3	11-7, no light. Relamped ops check ok.
6/20	27321-2	Reading lights burnt out 10-1, 10-2, 14-8, 27-1, 37-5, 38-1, 37-5, 45-7, 52-6. Relamped reading light. Ops check normal.
6/20	27322-1	92-1, something wrong with reading lights all lights in that area inop. Repaired broken wire at attendant rotarty light selector switch. ops check ok.
6/20	27322-2	Call lights burnt out 21-1, 49-0. Deferred until 6/24 CDG - relamped and installed cover checked ok.

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6/20	27323-1	Ceiling light in aisle outside of lav R burnt out. Relamped ops check ok.
6/20	27323-3	Middle lavs left cross aisle ceiling light burnt out. Relamped ops check ok.
6/20	27324-3	One of the round ceiling lights at both R5 and L5 burnt out. Relamped ops check ok.
6/20	27327-2	"A" galley right round ceiling light burnt out. Relamped ops check ok.
6/20	27327-3	Staircase to upper deck, 2nd step light from top burnt out. Relamped ops check ok.
6/22	27336-1	28-4,5,6,7, lights flash will not stay on. Secured connector at SEB ops checked ok.
6/22	27336-2	28-6,7, audio all channels go in and out. Reseated audio control cannon plug. Ops check normal.
6/22	27341-3	Upper deck pax reading lights on fuselage inop 2 center ones on left and first 3 on right. Deferred until FCO 6/27 - relamped wall lights operating normally per aircraft configuration.
6/22	27342-1	Cove light at 36-right inop. Deferred until CDG 6/27 - relamped checked ok removed placard.
6/23	27346-2	"B" and "C" galley - counter lights out. Relamped counter lights - ok, B and C galley.
6/25	21105-2	Seat 91-2 no reading light. Relamped ops checked ok.
6/25	21105-3	Seat 91-2, no stereo. Replaced controller checked ops ok.
6/25	21108-2	No audio rows 41-8,9,0 to 44-8,9,0. Found seat electronic unit cannon plug out at seat 48-8,9,0. Repositioned same checked ok.

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6/26	21112-1	91-2 reading light out. Deferred until FCO 6/27 - relamped checked ok.
6/26	21112-2	28-4,5,6,7 lights continuously flash, audio goes in and out. Secured connector at seat SEB ops checked ok.
6/26	21112-3	Seat 16-8,9,10 no electrical power (no lights, no audio). Re-installed connector at SEB ops checked ok.
6/27	21117-2	Overhead light outside of lav R does not illuminate. Relamped checks ok.
6/27	21118-1	91-2 reading light does not illuminate. Relamped checked ok.
6/27	21118-3	Overhead light between lavs L and J does not illuminate. Relamped checks ok.
6/27	21119-3	C galley left work light does not illuminate. Repositioned lamps checks ok.
6/28	21126-3	E galley left side overhead light is out. Relamped ops good.
6/28	21127-2	Seats 40-8,9,0 headset sound does not work. Reseated plugs at SEB row 40 right hand side ops normal.
6/28	21127-3	B galley left and right sides work surface lights are out. Relamped ops good.
6/28	21129-1	B galley left side overhead light is out. Relamped ops good.
6/29	21132-2	Audio in C zone out on left side of aircraft. Reseated loose audio plug C zone audio ops check ok.
6/30	Non-routine	Upper deck left ceiling light overhead out. Replaced left assembly checked ok.
6/30	Non-routine	Check all interior lights. Accomplished.

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6/30	Non-routine	Lots of reading lights out 1st cabin. Replaced bulbs checks ok.
6/30	Non-routine	Window light out 21. Replaced lamps row, ok
JULY		
7/2	21146-3	Seat 16-4 passenger entertainment and reading light controls do not work. Could not duplicate. No 16-4 on aircraft. 16-3, 15-4 ops checked normal.
7/2	Non-routine	Check all pax reading lights in all zones for proper ops. Checked reading lights in all zones. Relamped as required.
7/2	Non-routine	Check all pax call lights for proper ops. Check call light system ops normal.
7/3	21148-1	C zone left side coach from row 20-1, 20-2, 20-3, to back of zone, no audio just static. Cleaned SCU connector 20-2 ops checked normal.
7/2	21149-1	Seats 16-1, 16-2, 16-3 PSU controls - no light control. Wiring connected to seats 15-1, 15-2, 15-3. Replaced seat control unit ops checked normal.
7/3	19602-1	Rows 33-36, seats 5-6-7 - no audio. Reseated SEB operation normal.
7/4	19606-1	91-1, no reading light. Deferred until FCO 7/5 - relamped checked ok.
7/4	19609-3	Light bulb works but switch in arm rest does not 91-1. Cleaned reading light switch and relamped properly checked ok.
7/6	19616-2	Upper deck galley light reading light over side servicing area upperdeck galley out. Deferred until 7/7 TLV relamped checked.

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7/6	Non-routine	"H" lav mirror light is inop. Replaced both fluorescent tubes checked ok.
7/7	Non-routine	Lots of ----- bulbs out on all F-A doors. Relamped.
7/7	Non-routine	Several ceiling lights out in cabin. Relamped ok.
7/7	Non-routine	Few cabin ceiling lights out. Relamped checks ok.
7/8	Non-routine	43-4 light switch inop - reading light. ----- seat control page 80508.
7/8	Non-routine	Seat 14-0 reading light out. Relamped ops checked ok.
7/9	19624-2	92-8 reading light does not turn on at seat. Relamped checked ok.
7/9	19625-1	Reading lights are out at 17-3, 25-2, 21-0, 22-6, 27-6, 28-7, 26-4&5. Replaced column recorder timer fuses checked ok.
7/9	19625-3	Rows 21-28, seats 1,2,3 have no audio. Unable to duplicate on ground operation checked ok.
7/9	19629-1	C zone right side no audio. Reseated SEB connection at 27 8,9,0 audio ops normal.
7/9	19629-2	Row 28-6,7 reading go off and on by themselves. Reseated PSUD connection reading lights ops normal.
7/9	19631-2	Rows 8-16, seats 8,9,0 - no lights, call lights or audio. Replaced burnt fuse operation checked ok.
7/11	Non-routine	Reading light inop seat 5-6. Replaced bulb, operation checked ok.
7/11	Non-routine	Galley B worklight inop. Reseated neon tubes operation checked ok.

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7/15	Non-routine	"B" zone right side egress lights inop. Replaced track power feed strip. Ops check normal.
7/15	Non-routine	"E" zone aft right side and aux. bar area egress light inop. Reconnected wall power feed strip. Ops check normal.
7/15	Non-routine	Ceiling lights inop at seats 9-1,10-1,11-1, 12-1, 14-1 and 15-1. Relamped 9-1. Reworked socket at 11-1. Ops checked normal at 9-1, 10-1, 11-1, 12-1, 14-1, 15-1.