CHAPTER

21

AIR CONDITIONING





CHAPTER 21 AIR CONDITIONING

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| 21-EFFECTIVE | E PAGES | | 21-050-00-01 | SYS | | 21-090-00-01 | SYS | |
| 1 thru 2 | JUN 15/2016 | | 1 | Oct 15/2015 | | 1 | Feb 15/2015 | |
| 21-010-00-01 | SYS | | 2 | Oct 15/2015 | | 2 | Feb 15/2015 | |
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| 5 | Feb 15/2015 | | R 7 | Jun 15/2016 | | R 1 | Jun 15/2016 | |
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| 3 | Feb 15/2015 | | 4 | Feb 15/2015 | | 9 | Jun 15/2015 | |
| 4 | Jun 15/2015 | | 5 | Feb 15/2015 | | 10 | Feb 15/2015 | |
| 5 | Jun 15/2015 | | 6 | Feb 15/2015 | | 11 | Feb 15/2015 | |
| 6 | Feb 15/2015 | | 7 | Feb 15/2015 | | 21-150-00-01 | SYS | |
| 21-020-00-01 | SYS | | 21-070-00-01 | SYS | | 1 | Jun 15/2015 | |
| 1 | Jun 15/2015 | | 1 | Oct 15/2015 | | 2 | Feb 15/2015 | |
| R 2 | Jun 15/2016 | | 2 | Feb 15/2015 | | 3 | Feb 15/2015 | |
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| 4 | Feb 15/2015 | | 4 | Feb 15/2015 | | 5 | Feb 15/2015 | |
| 21-030-00-01 | SYS | | 5 | Feb 15/2015 | | 6 | Oct 15/2015 | |
| 1 | Jun 15/2015 | | 6 | Jun 15/2015 | | 7 | Feb 15/2015 | |
| R 2 | Jun 15/2016 | | 7 | Jun 15/2015 | | 8 | Feb 15/2015 | |
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| 4 | Feb 15/2015 | | 9 | Jun 15/2015 | | 10 | Oct 15/2015 | |
| 21-040-00-01 | SYS | | 21-080-00-01 | SYS | | 21-190-00-01 | SYS | |
| 1 | Jun 15/2015 | | 1 | Oct 15/2014 | | R 1 | Jun 15/2016 | |
| 2 | Jun 15/2015 | | 2 | Feb 15/2015 | | R 2 | Jun 15/2016 | |
| 3 | Feb 15/2015 | | 3 | Feb 15/2015 | | R 3 | Jun 15/2016 | |
| 4 | Feb 15/2015 | | 4 | Jun 15/2015 | | D 4 | Jun 15/2016 | |
| 5 | Feb 15/2015 | | 5 | Jun 15/2015 | | D 5 | Jun 15/2016 | |
| | 2.2 . 3, 20 . 3 | | | 2411 10/2010 | | D 6 | Jun 15/2016 | |
| | | | | | | D 7 | Jun 15/2016 | |

 $A = Added, \ R = Revised, \ D = Deleted, \ O = Overflow, \ C = Customer \ Originated \ Change$

21-EFFECTIVE PAGES





CHAPTER 21 AIR CONDITIONING

| Subj | ect/Page | Date | coc | Subject/Page | Date | coc | Subject/Page | Date | COC |
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| | 90-00-01 | SYS (cont) | | | | | | | |
| D | 8 | Jun 15/2016 | | | | | | | |
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21-EFFECTIVE PAGES





| AIRLINE | CARD NO | RECIRCULA | TITLE ATION FAN HEPA | A FILTER(S) | BOEING CARD NO. 21-010-00-01 | | |
|-------------|---------------------|----------------------------------|-------------------------|--------------------------|---------------------------------|-------------------|--|
| DATE | TASK REPLACE | | | | RELATE | D CARD | |
| TAIL NUMBER | WORK AREA FWD CARGO | VERSION 1.1 | THRESHOLD 7500 FH | REPEAT 7500 FH | APPLIC. | ABILITY ENGINE | |
| STATION | SKILL AIRPL | | | | ALL | ALL | |
| | | ACCESS 121EW 122GW 82 NOTE | 1 | | ZONE 125 126 | | |

Replace the recirculation fan HEPA filter(s).

Note: Zone 126 is applicable to all 737NG aircraft. Zone 125 is applicable to 737-800/900 aircraft only.

ACCESS NOTE: Access panel 122GW is applicable to all 737NG aircraft. Access panel 121EW is applicable to 737-800/900 aircraft only.

A. References

| Reference | Title |
|----------------------|--|
| AMM 25-52-17-000-801 | Forward Cargo Compartment Aft Bulkhead Liner - Removal (P/B 401) |
| AMM 25-52-17-400-801 | Forward Cargo Compartment Aft Bulkhead Liner - Installation |
| | (P/B 401) |

B. Consumable Materials

| Reference | Description | Specification | |
|-----------|---------------------------------------|---------------|--|
| G00624 | Bag - Plastic, General Purpose | | |
| G50140 | Gloves - Protective, Latex or Nitrile | | |

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

| Reference | Description |
|-----------|---|
| STD-1129 | Coveralls - Tyvek/Saranex 23-p (Approved Cotton Substitute), No Pockets |
| STD-421 | Goggles - Eye Protection |
| STD-739 | Respirator |

| EFFECTIVITY AKS ALL | SOURCE MRB | RECIRCULATION FAN HEPA FILTER(S) | |
|---------------------|------------|----------------------------------|----------------------------|
| | | D633A109-AKS 21-010-00-01 | Page 1 of 9 Feb 15/2015 |



737-600/700/800/900 TASK CARDS

| | [| DATE | | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING CARD NO. 21-010-00-01 | | | | |
|---|--|--|--------------|------------|-----------------|-----------------|----------------------------|----------------------------|---------------------------------|---------------|--|--|--|
| | TAG | K 21 | -25-01-0 | nn 9n1 | | | | | MECH | $\overline{}$ | | | |
| _ | | | | | Removal | | | | | † | | | |
| . Recirculation Air Filter Removal (Figure 1) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | A. Prepare for the Removal SUBTASK 21-25-01-860-003 | | | | | | | | | | | | |
| | | | | L REC | CIRC FAN ar | nd the R REC | CIRC FAN swi | itches, on the P5-10 pan | el, to the | | | | |
| | | SUBTASK 21-25-01-865-001 | | | | | | | | | | | |
| | | (2) | To prev | ent ina | dvertent rec | irculation far | n operation du | uring removal of the recir | culation filter, | | | | |
| | | | Open t | hese ci | rcuit breake | rs and install | safety tags: | | | | | | |
| | | | CAPT | Electri | cal System | Panel, P18- | 3 | | | | | | |
| | | | Row | <u>Col</u> | <u>Number</u> | <u>Name</u> | | | | | | | |
| | | | E E | 7 9 | | | RC FAN LEFT RC FAN LEFT | | | | | | |
| | F/O Electrical System Panel, P6-4 | | | | | | | | | | | | |
| | | | Row | Col | | | | IT 001 IT | | | | | |
| | | | E E | 2 4 | | | RC FAN RIGH | HT CONT. IT CABIN AIR | | | | | |
| | | | _ | | 000004 | AO NEOIL | O I AIV I (IOI I | T OADIIVAII | | | | | |
| | (3) Open the forward cargo compartment door. SUBTASK 21-25-01-010-006 (4) Remove the left and right aft bulkhead liners in the forward cargo compartmen remove the liners, do this task: Forward Cargo Compartment Aft Bulkhead Line Removal, AMM TASK 25-52-17-000-801. | | | | | | | | | | | | |
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| | | | | | | | | | ı | | | | |
| | | SUBT | | , | | | | | | | | | |
| WARNING: PUT ON THE PERSONAL PROTECTIVE EQUIPMENT BEFORE YOU THE FILTER. THE FILTER REMOVES SMALL PARTICLES (SMOKE, I LINT, FIBERS, POLLEN) AND INFECTIOUS MATERIALS (BACTERIA, VIRUSES, MOLD SPORES, FUNGI) FROM THE AIR WHICH CAN CA ILLNESSES AND INJURIES TO PERSONS. | | | | | | | | E, DUST, IA, | | | | | |
| | | (5) | Before | you to | uch the filter, | put on the p | ersonal prote | ective equipment listed be | elow: | | | | |
| | | | (a) co | overall | (approved c | otton substit | ute), STD-112 | 29 | | | | | |
| | | | (b) e | ye prot | ection goggl | es, STD-421 | | | | | | | |
| | | | (c) re | espirato | r, STD-739 | | | | | | | | |
| | | | (d) pi | rotectiv | e gloves, G | 50140. | | | | | | | |
| | В. | Rec | irculatio | n Air F | ilter Remo | val | | | | | | | |
| | | SUBT | ASK 21-25-01 | -020-011 | | | | | | | | | |
| | | (1) | Remov | e the le | eft recirculati | on air filter a | s follows: | | | | | | |
| | | | (a) R | emove | the two scre | ews [6] from | the retainer [7 | 7] on the filter housing. | | | | | |
| | | (a) Remove the two screws [6] from the retainer [7] on the filter housing. EFFECTIVITY SOURCE RECIRCULATION FAN HEPA FILTER(S) | | | | | | | | | | | |

D633A109-AKS 21-010-00-01 Page 2 of 9 Feb 15/2015



| DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C/ 21-010- | | | | | |
|------|---|--|--|---|---|----------------------|-------------------|------|--|--|--|
| | (b) | Remove the retai | ner [7] from the | filter housing. | | | MECH | INSP | | | |
| | WARI | THE FILT COMPRE CAN CAU DISCARE | ER. DO NOT L SSED AIR TO ISE THE INFE() THE FILTER I | ET THE FILTER CLEAN THE FIL CTIOUS MATER N A PLASTIC D | IR SKIN. DO NOT SHA FALL. DO NOT USE TER OR FILTER HOUS BIAL TO BECOME AIRB ISPOSAL BAG. OBEY ES TO PERSONNEL. | SING. THIS ORNE. | | | | | |
| | - | THAT IS II AFT LOW EDGES. T BUNDLE. | MMEDIATELY F ER OUTBOARI HE SHARP ED | FORWARD OF 1 D CORNERS OF OGES CAN CUT | TER TOUCH THE WIR THE FILTER. THE FOR F THE FILTER HAVE S THE INSULATION ON | WARD AND HARP | | | | | |
| | (c) | Remove the recir | culation air filte | r [3] from the filt | er housing [8]. | | | | | | |
| | WAR | ENFORC | EMENT REGU ESE INSTRUC | LATIONS WHEN | EALTH DEPARTMENT, N YOU DISCARD THIS VENT INJURIES TO | | | | | | |
| | | | | | 4, and discard in accord r disposal of material. | I with airline, | | | | | |
| | BTASK 21-25-01-020-012 | | | | | | | | | | |
| (2) | (2) Remove the right recirculation air filter as follows:(a) Release the quarter-turn fasteners [1] which attach the access panel [2] to the filter | | | | | | | | | | |
| | ` ' | Release the quar housing. | ter-turn fastene | ers [1] which atta | ch the access panel [2] | to the filter | | | | | |
| | (b) | Remove the acce | ess panel [2]. | | | | | | | | |
| | WARNING: DO NOT LET THE FILTER TOUCH YOUR SKIN. DO NOT SHAKE OR HIT THE FILTER. DO NOT LET THE FILTER FALL. DO NOT USE COMPRESSED AIR TO CLEAN THE FILTER OR FILTER HOUSING. THIS CAN CAUSE THE INFECTIOUS MATERIAL TO BECOME AIRBORNE. DISCARD THE FILTER IN A PLASTIC DISPOSAL BAG. OBEY THESE INSTRUCTIONS TO PREVENT INJURIES TO PERSONNEL. | | | | | | | | | | |
| | (c) | Remove the recir | culation air filte | r [3] from the filt | er housing [4]. | | | | | | |
| | WAR | ENFORC | EMENT REGU ESE INSTRUC | LATIONS WHEN | EALTH DEPARTMENT, N YOU DISCARD THIS EVENT INJURIES TO | | | | | | |
| | | | | | 4, bag and discard in ac lures for disposal of ma | | | | | | |
| | F | TIMEY | 2011005 | Topogo e a seri | | | | | | | |
| | AKS ALL SOURCE MRB RECIRCULATION FAN HEPA FILTER(S) | | | | | | | | | | |
| | | | | D633A109-AKS 21-010-00-01 | | | Page 3 eb 15/2 | | | | |
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| l | DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | | 0-00-01 | |
|----|----------------------|----------------------|------------|----------------|--|--------|-------------------|------|
| C. | Post-Filter | Removal Cleanup | | | | | MECH | INSP |
| | SUBTASK 21-25-0 | 01-020-020 | | | | | | |
| | WARNING: | ONE TIME. DO NOT | TRY TO | CLEAN IT. DISC | QUIPMENT AFTER YOU CARD THE EQUIPMEN STRUCTIONS TO PRE | T IN A | | |
| | G0062 | | n accord v | | em in a disposable, pla health, safety and regu | | | |
| | SUBTASK 21-25-0 | 01-110-001 | | | | | | |
| | WARNING: | | | | JSH WITH HOT WATER E DISEASE AND ILLNE | | | |
| | (2) Clean | your hands with soap | and runni | ng hot water. | | | | |
| | | | END OF | TASK ——— | | | | |
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| | EFFECT AKS | | SOURCE MRB | RECIRCULATION | ON FAN HEPA FILTER(S) | | | |
| | | | | D633A109-AKS | ; | | Page 4 Feb 15/ | |

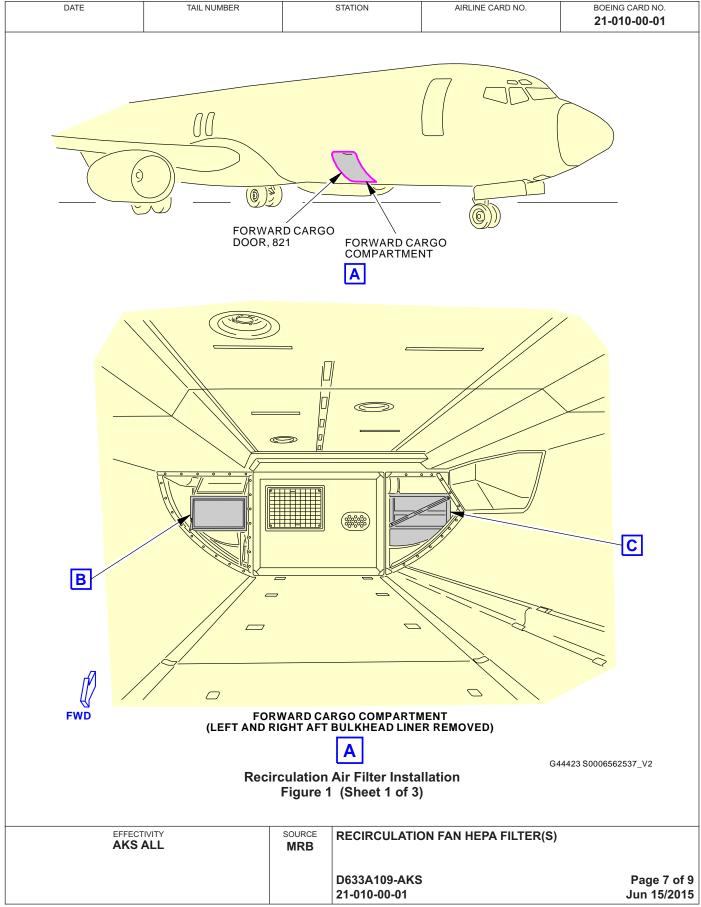


| | | | | | | STATION | 7 | RLINE CARD NO. | 21-010- | ARD NO. -00-01 | | | |
|----|---|---|----------|--|-----------------|------------------|------------|---------------------|------------|-------------------|--|--|--|
| T/ | ASK 21-25-01-400-801 | | | | | | | | | | | | |
| R | eciro | ulation | Air F | ilter Installation | | | | | | | | | |
| (F | igure | ∋ 1) | | | | | | | | | | | |
| Α | ۸. E | xpenda | bles | Parts | | | | | | | | | |
| | | AMM Ite | | Description | | AIPC Ref | ference | AIPC Effectiv | rity | | | | |
| | _ | 3 | | Filter | | 21-25-01- | -01-465 | AKS ALL | | | | | |
| В | 3. F | Recircul | ation | Air Filter Installa | ation | | | | | | | | |
| | s | UBTASK 21-2 | 25-01-42 | 0-007 | | | | | | | | | |
| | (| 1) Inst | all the | e left recirculation | air filter as t | follows: | | | | | | | |
| | | (a) | | ke sure there is no ch could cause da | | | | on in the filter ho | ousing [8] | | | | |
| | CAUTION: DO NOT LET THE RECIRCULATION FILTER TOUCH THE WIRE BUNDLE THAT IS IMMEDIATELY FORWARD OF THE FILTER. THE FORWARD AN AFT LOWER OUTBOARD CORNERS OF THE FILTER HAVE SHARP EDGES. THE SHARP EDGES CAN CUT THE INSULATION ON THE WIR BUNDLE. | | | | | | | | | | | | |
| | | (b) | Put | the new recircula | tion air filter | [3] in the filte | r housing | [8]. | | | | | |
| | (c) Do these checks of the spring clips: | | | | | | | | | | | | |
| | Make sure that the spring clips apply pressure to keep the filter in position. | | | | | | | | | | | | |
| | 2) Make sure that all spring clips are installed and not damaged. | | | | | | | | | | | | |
| | (d) Hold the retainer [7] in its position on the filter housing. | | | | | | | | | | | | |
| | | (e) | Inst | all the two screws | [6] for the i | retainer [7] on | the filter | housing. | | | | | |
| | s | UBTASK 21-2 | 25-01-42 | 0-008 | | | | | | | | | |
| | (2 | 2) Inst | all the | e right recirculation | n air filter as | s follows: | | | | | | | |
| | | (a) | | ke sure there is no ch could cause da | | | | on in the filter ho | ousing [4] | | | | |
| | | (b) | Put | the new recircula | tion air filter | [3] in the filte | r housing | [4]. | | | | | |
| | | (c) | Do | these checks of th | ne spring cli | ps: | | | | | | | |
| | | | 1) | Make sure that | the spring c | lips apply pre | ssure to k | eep the filter in | position. | | | | |
| | | | 2) | Make sure that | all spring cli | ips are installe | ed and no | t damaged. | | | | | |
| | | (d) | | the access panel och the access par | | | | ter-turn fastener | rs [1] to | | | | |
| С |). F | out the A | | ne Back to Its U | | _ | , , , | | | | | | |
| | , | UBTASK 21-2 | | | | | | | | | | | |
| | (| (1) Install the left and right aft bulkhead liners in the forward cargo compartment. To install the liners, do this task: Forward Cargo Compartment Aft Bulkhead Liner - Installation, AMM TASK 25-52-17-400-801. | | | | | | | | | | | |
| | | UBTASK 21-2 | | | | | | | | | | | |
| | (2) Close the forward cargo compartment door. | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

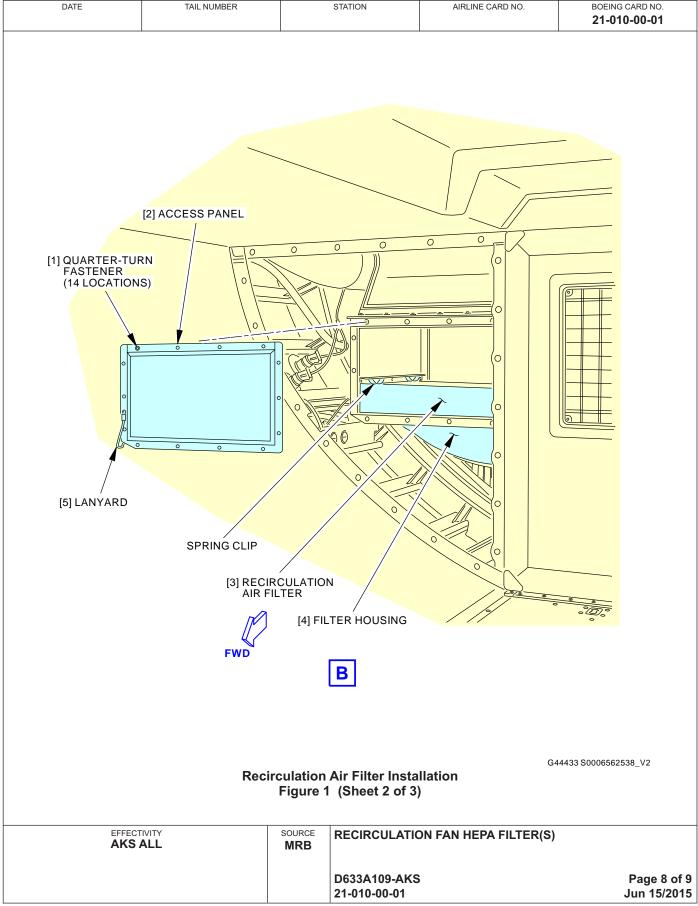


| DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING CA 21-010- | | |
|---------------------------------|-------------------------|---------------|------------------------------|------------------------------|----------------------|-------|------|
| SUBTASK 21-25-0 | 1-865-002 | | | | | MECH | INS |
| (3) To res | tore recirculation far | n operation a | after installation | of the recirculation filter, | | | |
| Remo | ve the safety tags ar | nd close the | se circuit breake | ers: | | | |
| CAPT | Electrical System | Panel, P18- | 3 | | | | |
| Row | Col Number | <u>Name</u> | | | | | |
| E E | 7 C00911 | | RC FAN LEFT (| | | | |
| E | 9 C01156 | A/C RECII | RC FAN LEFT (| JUNI | | | |
| | ectrical System Pa | | | | | | |
| Row - | Col Number | | | | | | |
| E E | | | RC FAN RIGHT RC FAN RIGHT | | | | |
| | | AC RECIP | C FAN RIGHT | CABINAIN | | | |
| subtask 21-25-0- (4) Put the | e RECIRC FAN swite | ches in the A | AUTO position. | | | | |
| (1) 1 00 01 | 3 1 1 2 0 1 7 1 1 0 W I | | TASK — | | | | |
| | | — END OF | 1A5K ——— | | | | |
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| EFFECT AKS | | SOURCE MRB | RECIRCULATION | ON FAN HEPA FILTER(S) | | | |
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| | | | 21-010-00-01 | • | | age 0 | |

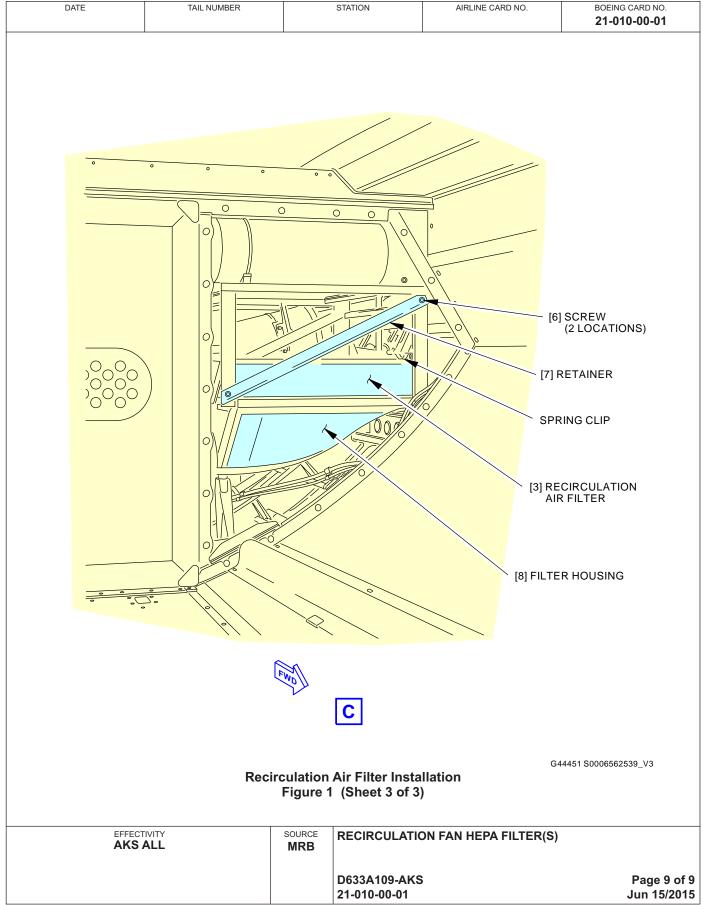
















| AIRLINI | AIRLINE CARD NO | | RECIRCULATION FAN CHECK VALVE(S) | | | BOEING CARD NO. 21-015-00-01 | | |
|-------------|--------------------------|---------------------|----------------------------------|-------------------|-----------------|---------------------------------|--|--|
| DATE | INSPECTION - DETAILED | | | | RELATE | D CARD | | |
| TAIL NUMBER | WORK AREA FWD CARGO | VERSION 1.1 | THRESHOLD 6000 FH | REPEAT 6000 FH | APPLICA | | | |
| STATION | SKILL AIRPL | | | | AIRPLANE ALL | ENGINE ALL | | |
| | | ACCESS 121HW 821 | | | ZONE 125 126 | | | |
| | | | | | | | | |

Perform a detailed inspection of the Recirculation Fan Check Valve(s) for condition, security, and proper operation.

A. References

| Reference | Title |
|----------------------|--|
| AMM 21-25-03-000-801 | Recirculation Fan Check Valve Removal (P/B 401) |
| AMM 21-25-03-400-801 | Recirculation Fan Check Valve Installation (P/B 401) |

| EFFECTIVITY | SOURCE | RECIRCULATION FAN CHECK VALVE(S) | |
|-------------|--------|----------------------------------|-------------|
| AKS ALL | MRB | | |
| | | D633A109-AKS | Page 1 of 6 |
| | | 21-015-00-01 | Oct 15/2014 |

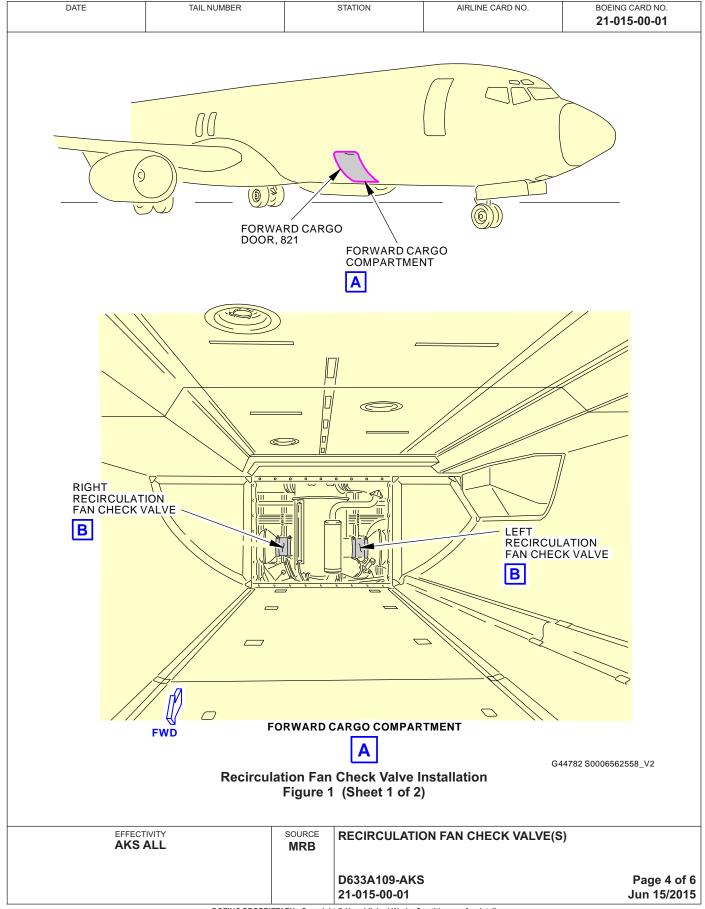


| | DATE | | 1 | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING CAF 21-015-0 | | |
|-----|-------|---------------------|-------------------|-----------------------------|-------------------------------|-------------------|--|------------------------|------|-----|
| TAS | K 21. | 25-03-20 | n_801 | | | | | | MECH | INS |
| | | | | k Valve Ins | pection | | | | | |
| | | r Figure | | | • | | | | | |
| Α. | Pre | paration | for Re | circulation | Fan Check | Valve Inspec | tion | | | |
| | SUBTA | SK 21-25-03-8 | 360-036 | | | | | | | |
| | (1) | Make su | | | d R PACK sv | witches on the | P5-10 Air Conditioning F | Panel are in | | |
| | SUBTA | SK 21-25-03-8 | 360-038 | | | | | | | |
| | (2) | | | SIRC FAN an FF positions | | C FAN switche | es on the P5-10 Air Condi | tioning | | |
| | | | ese ci | | rs to prevent an check val | | ecirculation fan operation | when you | | |
| | | Open th | ese ci | rcuit breakeı | rs and install | safety tags: | | | | |
| | | CAPT E | Electri | cal System | Panel, P18- | 3 | | | | |
| | | Row | <u>Col</u> | | <u>Name</u> | | | | | |
| | | E | 7 | C00911 | A/C RECII | RC FAN LEFT | CABIN AIR | | | |
| | | F/O Ele Row E | | Number C00884 | <u>Name</u> | RC FAN RIGH | T CABIN AIR | | | |
| В. | Rec | irculatio | n Fan | Check Valv | e Removal | | | | | |
| | | SK 21-25-03-0 | | | | | | | | |
| | (1) | | | | | | e the recirculation fan che AMM TASK 21-25-03-000 | | | |
| C. | Rec | irculatio | n Fan | Check Valv | e Inspectio | n | | | | |
| | | SK 21-25-03-2 | | o oiroulation : | fan abaak ya | due ee followe | | | | |
| | (1) | | | | | alve as follows | | | | |
| | | ` ' | - | | - | | pper to open them. moves smoothly to the sto | on tube | | |
| | | (c) Ma | ake su | | | • | and touches fully on the fa | · | | |
| | | | | • | is no dama | ge to the flapp | pers: | | | |
| | | 1) | | asure the thi | ickness of th | e area on the | flappers where the flappe | ers contact | | |
| | | 2) | | | the stop tub (0.508 mm) | | a on the flappers is a mini | mum of | | |
| | | 3) |) Re _l | pair or repla | ce check val | ves that do no | ot meet the minimum thicl | kness. | | |
| | | | | | | | | | | ĺ |
| | | (e) Ma | ake su | re tnat tnere | is no corros | sion or lint on t | the flappers or the hinge p | oin. | | 1 |



| Ľ | DATE | IAIL NUMBER | | STATION | AIRLINE CARD NO. | 21-015 | | |
|----|-----------------|---------------------------|-----------|------------------|-----------------------|--------|--------|------|
| D. | Recirculati | on Fan Check Valve In | stallatio | on | | -1 | MECH | INSP |
| | SUBTASK 21-25-0 | | | | | | | |
| | | the recirculation fan che | | | | | | |
| | task: F | Recirculation Fan Check | Valve In | nstallation, AMM | I TASK 21-25-03-400-8 | 01. | | |
| | | ——- E | END OF | TASK ——— | | | | |
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| | | | | | | | | |
| | EFFECT | ΓΙVΙΤΥ | SOURCE | RECIRCUI ATIC | ON FAN CHECK VALVE(| S) | | |
| | AKS | ALL | MRB | | M. A. OHLOR MEVE | -1 | | |
| | | | | D633A109-AKS | 1 | ſ | Page 3 | of 6 |
| | | | | 21-015-00-01 | , | F | eb 15/ | 2015 |







737-600/700/800/900 TASK CARDS

| | | TAS | K CARDS | | |
|--------------|-------------------------|------------------------|----------------------------------|---------------------------|---------------------------------|
| DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING CARD NO. 21-015-00-01 |
| | | | 1] RECIRCULATION CHECK VALVE | ON FAN | |
| | | | | | COUPLING |
| | RIGHT R (LEFT RECIRC | ECIRCULA ULATION FA | TION FAN CHECK IN CHECK VALVE | (VALVE E IS OPPOSITE) | |
| | Recircul | | Check Valve II (Sheet 2 of 2) | nstallation | G44786 S0006562559_V2 |
| EFFEC AKS | TIVITY ALL | SOURCE MRB | RECIRCULATION | ON FAN CHECK VALVE | (S) |

D633A109-AKS

21-015-00-01

Page 5 of 6 Jun 15/2015



737-600/700/800/900 TASK CARDS

STATION DATE TAIL NUMBER AIRLINE CARD NO. BOEING CARD NO. 21-015-00-01 **FLAPPERS** HINGE PIN CHECK VALVE BODY STOP TUBE D81581 S0000166474_V2 **Recirculation Fan Check Valve Inspection** Figure 2 EFFECTIVITY SOURCE RECIRCULATION FAN CHECK VALVE(S) **AKS ALL MRB** D633A109-AKS Page 6 of 6

21-015-00-01

Feb 15/2015





| AIRLIN | AIRLINE CARD NO | | ALTERNATE E/E COOLING SUPPLY FAN | | | CARD NO. -00-01 |
|-------------|---------------------------|-------------|----------------------------------|--------------------------|---------------------|--------------------|
| DATE | TASK OPERATIONAL | | | | RELATE | D CARD |
| TAIL NUMBER | WORK AREA E/E COMPARTMENT | VERSION 1.1 | THRESHOLD 8000 FH | REPEAT 8000 FH | APPLICA AIRPLANE | ABILITY ENGINE |
| STATION | SKILL AIRPL | | | | ALL | ALL |
| | | ACCESS | | | ZONE 211 212 | |
| | | | | | | |

Operationally check the alternate E/E cooling supply fan.

Note: This task also checks the normal E/E cooling supply fan check valve.

A. References

| Reference | Title |
|----------------------|-----------------------------------|
| AMM 24-22-00-860-811 | Supply Electrical Power (P/B 201) |
| AMM 24-22-00-860-812 | Remove Electrical Power (P/B 201) |

| EFFECTIVITY | SOURCE | ALTERNATE E/E COOLING SUPPLY FAN | |
|-------------|--------|----------------------------------|----------------------------|
| AKS ALL | MRB | ALTERNATE E/E GOOLING SOFT EFFAR | |
| | | D633A109-AKS | Pogo 1 of 4 |
| | | 21-020-00-01 | Page 1 of 4 Jun 15/2015 |

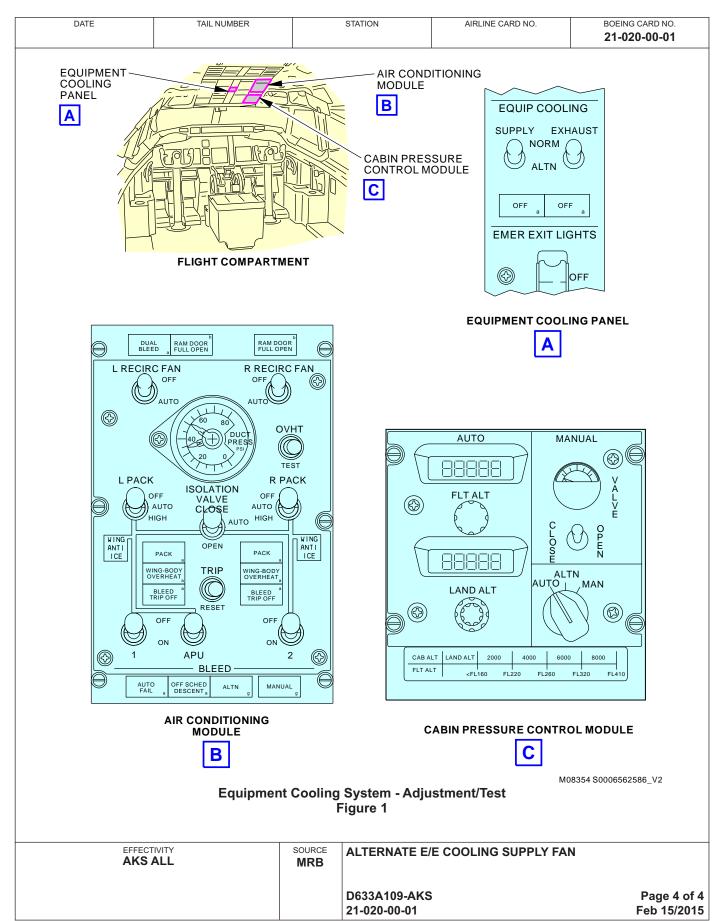


| | | DATE | | - | TAIL NUMBER | | STATION | AIRLINE CARD NO. | | CARD NO. 0-00-01 | |
|----|------|--------|---------------------|------------------------|-------------------------|---------------------------------|---|---|--------------|---------------------|------|
| | TAS | SK 21 | -27-00- | 890-801 | | · | | | | MECH | INSP |
| 1. | Alte | ernate | Equip | ment Co | ooling Suppl | y Fan - Op | erational Test | | | | |
| | (Fig | ure 1) |) | | | | | | | | |
| | A. | Gen | eral | | | | | | | | |
| | | (1) | This to | ask does | s a test of the | equipment | cooling alterna | te supply fan. | | | |
| | В. | Pro | cedure | | | | | | | | |
| | | SUBTA | ASK 21-27-0 | 0-860-028 | | | | | | | |
| | | (1) | Do thi | s task: S | Supply Electric | cal Power, | AMM TASK 24-2 | 22-00-860-811. | | | |
| | | | ASK 21-27-0 | | | | | | | | |
| | | (2) | Make on. | sure the | equipment c | ooling supp | oly OFF light on | the equipment cooling p | oanel is not | | |
| | | | ASK 21-27-0 | | EQUID 000 | | DIM - 101 1 | | S I ! ! . | | |
| | | (3) | | Sure the ORM po | | LING SUP | PLY switch on t | he Equipment Cooling F | anel is in | | |
| | | SUBTA | ASK 21-27-0 | 0-860-031 | | | | | | | |
| | | CAL | <u>JTION</u> : | MINUT OPEN EQUIP | ES AFTER Y MORE THAN | OU OPEN 5 MINUTE BECOME T | IT. IF YOU LEA' S, THE ELECT OO HOT. THIS | RCUIT BREAKER WITH VE THE CIRCUIT BREA RICAL/ELECTRONIC CAN CAUSE DAMAGE | AKER | | |
| | | (4) | Open | this circ | uit breaker ar | nd install sa | fety tag: | | | | |
| | | ` ' | • | | oution Panel | | | | | | |
| | | | Row | | Number | <u>Name</u> | | | | | |
| | | | D | 10 | C00934 | EQPT CLO | G SPLY FAN PV | VR-NORM | | | |
| | | SUBTA | ASK 21-27-0 | | | | | | | | |
| | | (5) | Make | sure the | equipment c | ooling supp | oly OFF light co | mes on after 20 to 60 se | econds. | | |
| | | | ASK 21-27-0 | | | | itab in the ALTA | I nonition | | | |
| | | . , | | | COOLING | SUPPLY SW | vitch in the ALTN | n position. | | | |
| | | (7) | ASK 21-27-0 Make | | equipment c | oolina supr | olv OFF light go | es out within 20 second | s | | |
| | | ` ' | ASK 21-27-0 | | | | on, or a light go | | | | |
| | | (8) | | | afety tag and | close this | circuit breaker: | | | | |
| | | | Powe | r Distrib | oution Panel | Number 2, | P92 | | | | |
| | | | Row | | | <u>Name</u> | | | | | |
| | | | D | 10 | C00934 | EQPT CLO | G SPLY FAN PV | VR-NORM | | | |
| | | | ASK 21-27-0 | | | | | | | | |
| | | (9) | Put th | e EQUIF | COOLING S | SUPPLY sw | vitch in the NOR | M position. | | | |
| | | | EFFECT AKS | | | SOURCE MRB | ALTERNATE E/ | E COOLING SUPPLY FAM | l l | | |
| | | | | | | | D633A109-AKS 21-020-00-01 | | , | Page 2 Jun 15/ | |
| | | | | | | | | | | | |



| DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C 21-020 | | |
|--------------------------------|--|----------------------|------------------------------------|--------------------------------|--------------------|--------|------|
| | | | | | 21 020 | месн | INSP |
| subtask 21-27-0 (10) If the | 10-860-034 MASTER CAUTION or A | AIR CON | ID annunciator li | ghts are on, push and | release one | | |
| | two MASTER CAUTIO | | | go a.o o.,, pao., aa | | | |
| C. Put the Air | plane Back to Its Usua | al Condit | tion | | | | |
| SUBTASK 21-27-0 | | | | | | | |
| (1) Remo Remo | ve electrical power if it i ve Electrical Power, AN | s not ned IM TASK | cessary. To remo 24-22-00-860-8 | ve electrical power, do 12. | this task: | | |
| | | END OF | TASK ——— | | | | |
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| EFFEC AKS | | SOURCE MRB | ALTERNATE E/E | COOLING SUPPLY FA | N | | |
| ANS | ALL . | INIVD | | | | | |
| | | | D633A109-AKS | | | Page 3 | of 4 |
| | | | 21-020-00-01 | | J | un 15/ | 2015 |









| AIRLIN | AIRLINE CARD NO TITLE ALTERNATE E/E COOLING EXHAUST FAN | | | BOEING CARD NO. 21-030-00-01 | | |
|-------------|---|-------------|----------------------|---------------------------------|---------------------|-------------------|
| DATE | TASK OPERATIONAL | | | | RELATE | D CARD |
| TAIL NUMBER | WORK AREA E/E COMPARTMENT | VERSION 1.1 | THRESHOLD 8000 FH | REPEAT 8000 FH | APPLIC/ | ABILITY ENGINE |
| STATION | SKILL AIRPL | | | | ALL | ALL |
| | | ACCESS | | | ZONE 211 212 | |
| | | | | | | |

Operationally check the alternate E/E cooling exhaust fan.

Note: This task also checks the normal E/E cooling exhaust fan check valve.

A. References

| Reference | Title |
|----------------------|-----------------------------------|
| AMM 24-22-00-860-811 | Supply Electrical Power (P/B 201) |
| AMM 24-22-00-860-812 | Remove Electrical Power (P/B 201) |

| EFFECTIVITY | SOURCE | ALTERNATE E/E COOLING EXHAUST FAN | |
|-------------|--------|-----------------------------------|----------------------------|
| AKS ALL | MRB | | |
| | | D633A109-AKS 21-030-00-01 | Page 1 of 4 Jun 15/2015 |

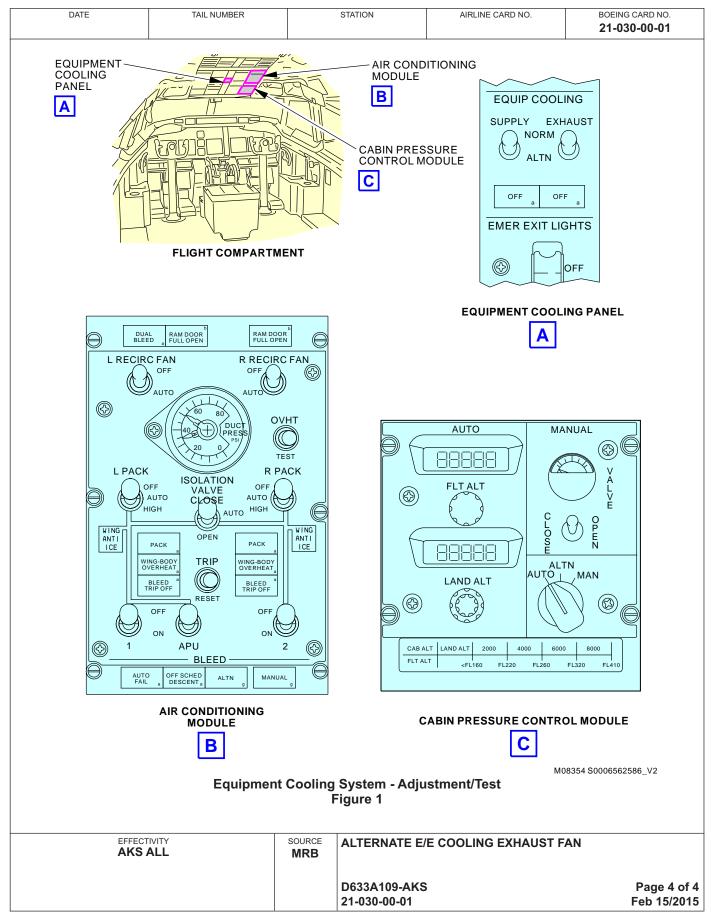


| | [| DATE | | Т | TAIL NUMBER | | STATION | AIRLINE CARD NO. | | CARD NO. 0-00-01 | |
|----|------|---|--------------------|---------------------------|----------------------|---------------------------------|--|---|---------------|---------------------|------|
| | TAS | K 21- | 27-00-7 | 700-804 | | 1 | | | | MECH | INSP |
| 1. | Alte | rnate | Equip | ment Co | ooling Exhau | ıst Fan - O | perational Test | <u>!</u> | | | |
| | (Fig | ure 1) | | | | | | | | | |
| | A. | Gene | eral | | | | | | | | |
| | | (1) | This ta | isk does | a test of the | equipment | cooling alternat | te exhaust fan. | | | |
| | B. | Procedure | | | | | | | | | |
| | | SUBTASK 21-27-00-860-036 (1) Do this took: Supply Floatrical Dower AMM TASK 24-22-00-960-911 | | | | | | | | | |
| | | (1) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-811. | | | | | | | | | |
| | | (2) Make sure the equipment cooling exhaust OFF light on the equipment cooling panel is not on. | | | | | | | | | |
| | | | sk 21-27-0 Make | | EQUIP COO | LING EXH | AUST switch or | n the Equipment Cooling | g Panel is in | | |
| | | ` ' | the NO | ORM pos | | | | | | | |
| | | | SK 21-27-0 | | | VOLL CL 00 | NE THE EAST OF | | IINI 5 | | |
| | | CAU | HON. | MINUT OPEN I EQUIPI | ES AFTER YOMORE THAN | OU OPEN 5 MINUTE BECOME T | IT. IF YOU LEAY SS, THE ELECT OO HOT. THIS | RCUIT BREAKER WITH VE THE CIRCUIT BREA RICAL/ELECTRONIC CAN CAUSE DAMAGE | AKER | | |
| | | (4) | Open | this circu | uit breaker an | nd install sa | fety tag: | | | | |
| | | | Powe | r Distrib | ution Panel | Number 1, | P91 | | | | |
| | | | Row | Col | <u>Number</u> | Name | | | | | |
| | | | Е | 1 | C00836 | EQPT CLO | G EXH FAN PW | 'R-NORM | | | |
| | | (5) | sк 21-27-0 Маке | | equipment c | ooling exha | aust OFF light c | omes on after 20 to 60 | seconds. | | |
| | | | SK 21-27-0 | | | -VIIALIOT | | TAIL | | | |
| | | ` , | | | COOLING | EXHAUSTS | switch in the AL | IN position. | | | |
| | | (7) | sк 21-27-0 Маке | | equipment c | ooling exha | aust OFF light g | oes out within 20 secor | nds. | | |
| | | SUBTAS (8) | sk 21-27-0 Remo | | afety tag and | close this | circuit breaker: | | | | |
| 1 | | (0) | | | oution Panel | | | | | | |
| | | | Row | Col | Number | Name | | | | | |
| | | | Е | 1 | C00836 | EQPT CLO | G EXH FAN PW | R-NORM | | | |
| | | | Put the | | P COOLING E | EXHAUST : | switch in the NC | PRM position. | | | |
| | | | FFFF | TN //TN/ | | 2011205 | | 5 000 NO 5W | | | |
| | | | AKS A | | | MRB | ALTERNATE E/ | E COOLING EXHAUST F | AN | | |
| | | | | | | | D633A109-AKS 21-030-00-01 | | | Page 2 Jun 15/ | |
| | | | | | | | | | | | |



| DATE | IAIL NUMBER | | STATION | AIRLINE CARD NO. | | 0-00-01 | | | | |
|--------------------------|---|---------------------|------------------------------------|----------------------------------|-------------|--------------------|------|--|--|--|
| SUBTASK 21-27-00 | 0.950.440 | | | | | MECH | INSP | | | |
| (10) If the N | MASTER CAUTION or A two MASTER CAUTION | | ID annunciator l | ights are on, push and | release one | | | | | |
| | plane Back to Its Usua | _ | tion | | | | | | | |
| SUBTASK 21-27-00-860-043 | | | | | | | | | | |
| (1) Remov Remov | ve electrical power if it is ve Electrical Power, AM | s not ned M TASK | cessary. To remo 24-22-00-860-8 | ove electrical power, do 312. | this task: | | | | | |
| | ——- Е | END OF | TASK ——— | | | | | | | |
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| EFFECT AKS | | SOURCE MRB | ALTERNATE E/ | E COOLING EXHAUST F | FAN | | | | | |
| | | | D633A109-AKS 21-030-00-01 | 3 | , | Page 3 Jun 15/2 | | | | |









| AIRLINE | AIRLINE CARD NO | | TITLE DLING SUPPLY FA | BOEING 0 21-040 | | |
|-------------|---------------------|-------------|-----------------------|--------------------------|-------------|-------------------|
| DATE | TASK REPLACE | | | | RELATE | D CARD |
| TAIL NUMBER | WORK AREA FWD CARGO | VERSION 1.1 | THRESHOLD 7500 FH | REPEAT 7500 FH | APPLIC. | ABILITY ENGINE |
| STATION | SKILL AIRPL | | | | ALL | ALL |
| | | ACCESS | | | ZONE 118 | |
| | | | | | | |

Replace the E/E cooling supply fan filter.

A. References

| Reference | Title |
|----------------------|---|
| AMM 24-22-00-860-812 | Remove Electrical Power (P/B 201) |
| AMM 25-52-16-000-801 | Forward Cargo Compartment Forward Bulkhead Liner - Removal (P/B 401) |
| AMM 25-52-16-400-801 | Forward Cargo Compartment Forward Bulkhead Liner - Installation (P/B 401) |
| AMM 52-31-00-580-801 | Open the Cargo Door (P/B 201) |
| AMM 52-31-00-580-802 | Close the Cargo Door (P/B 201) |

| EFFECTIVITY AKS ALL | SOURCE MRB | E/E COOLING SUPPLY FAN FILTER | |
|---------------------|------------|-------------------------------|----------------------------|
| | | D633A109-AKS 21-040-00-01 | Page 1 of 5 Jun 15/2015 |

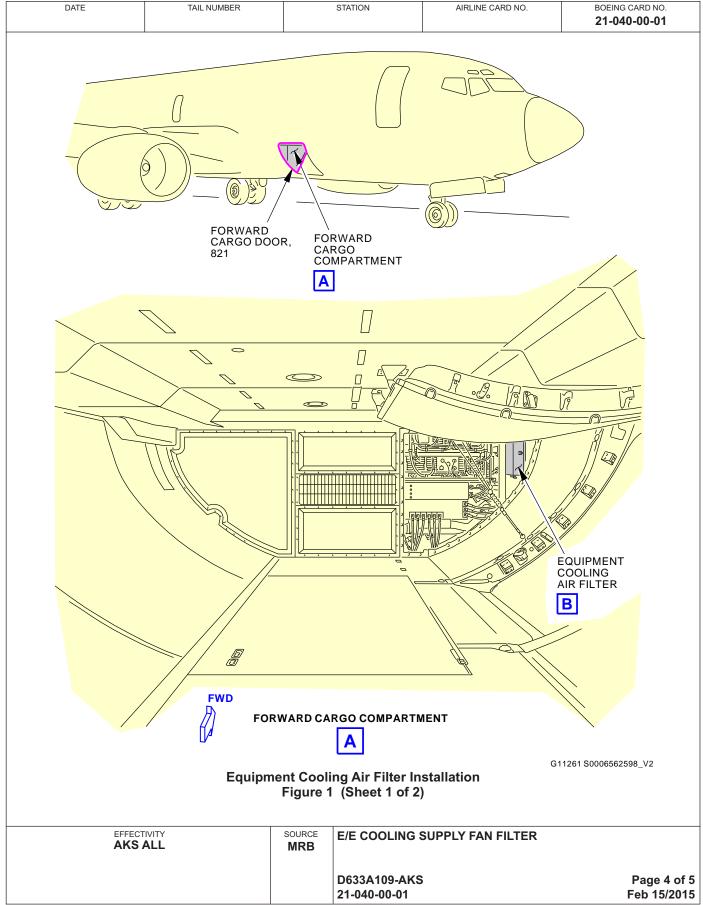


| | [| DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | | G CARD NO. | | | | | |
|----|--|---------|------------|---|----------------|------------------------------|--|---------|-------------------|------|--|--|--|--|
| | TAS | K 21- | 27-01-0 | 000-801 | | | | | MECH | INSP | | | | |
| 1. | | | | ling Air Filter Remov | al . | | | | | | | | | |
| | | ure 1) | | g / : : : | <u></u> | | | | | | | | | |
| | , , | General | | | | | | | | | | | | |
| | Α. | | | vuot romava alaatriaal | nowar fran | n the cirplene b | oforo vou romovo on oo | uinmont | | | | | | |
| | (1) You must remove electrical power from the airplane before you remove an equipment cooling air filter. This will make sure the electrical/electronic equipment does not reelectrical power when the equipment cooling system is not in operation. | | | | | | | | | | | | | |
| | B. Prepare for the Removal | | | | | | | | | | | | | |
| | | SUBTAS | SK 21-27-0 | 1-860-001 | | | | | | | | | | |
| | | CAU | TION: | ON: MAKE SURE YOU REMOVE ELECTRICAL POWER FROM THE AIRPLANE. IF YOU SUPPLY ELECTRICAL POWER TO THE ELECTRICAL/ELECTRONIC EQUIPMENT WHEN THE EQUIPMENT COOLING SYSTEM IS NOT IN OPERATION, THE ELECTRICAL/ELECTRONIC EQUIPMENT CAN BECOME TOO HOT. THIS CAN CAUSE DAMAGE TO THE ELECTRICAL/ELECTRONIC EQUIPMENT. | | | | | | | | | | |
| | | (1) | Do thi | s task: Remove Electr | rical Power | r, AMM TASK 24 | l-22-00-860-812. | | | | | | | |
| | | SUBTAS | SK 21-27-0 | 1-010-001 | | | | | | | | | | |
| | | (2) | | the forward cargo con 52-31-00-580-801). | npartment | door (Open the | Cargo Door, AMM | | | | | | | |
| | | SUBTAS | SK 21-27-0 | 1-010-002 | | | | | | | | | | |
| | | (3) | the lin | _ | ard Cargo | | d cargo compartment. To prward Bulkhead Liner - | | | | | | | |
| | C. | Equi | pment | Cooling Air Filter R | emoval | | | | | | | | | |
| | | SUBTAS | SK 21-27-0 | 1-010-003 | | | | | | | | | | |
| | | (1) | | the forward cargo cor 52-31-00-580-802). | mpartment | door (Close the | Cargo Door, AMM | | | | | | | |
| | | | NOTE | : The cargo door mus | st be lower | red to permit the | removal of the air filter | | | | | | | |
| | | SUBTAS | SK 21-27-0 | 1-020-001 | | | | | | | | | | |
| | | (2) | | use the latch assemblies [3] that are on the top and the bottom of the filter housing inbly [1]. | | | | | | | | | | |
| | | SUBTAS | SK 21-27-0 | 1-020-002 | | | | | | | | | | |
| | | (3) | Remo | ve the equipment coo | ling air filte | er [2] from the fil | ter housing assembly [1 |]. | | | | | | |
| | | SUBTAS | SK 21-27-0 | | | | | | | | | | | |
| | | (4) | | essary, open the forwa 52-31-00-580-801). | ard cargo o | compartment do | or (Open the Cargo Dod | or, AMM | | | | | | |
| | | | | | - END OF | TASK ——— | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | AKS | | SOURCE MRB | E/E COOLING | SUPPLY FAN FILTER | | | | | | | |
| | | | | | | D633A109-AKS 21-040-00-01 | | | Page 2 Jun 15/ | | | | | |



| | [| DATE | TAIL NUMBER | | STATION | All | RLINE CARD NO. | | G CARD NO. | |
|----|-----|----------------------|---|----------------|------------------------------|------------|-------------------|-------------|-------------------|------|
| | TAS | K 21-27-01-4 | └ 100-801 | | | | | | MECH | INSP |
| 2. | | | ling Air Filter Install | ation | | | | | | |
| | | ure 1) | J | | | | | | | |
| | Α. | Expendable | es/Parts | | | | | | | |
| | | AMM Item | | | AIPC Refe | rence | AIPC Effective | vity | | |
| | | 2 | Filter | | 21-27-51-0 | 7C-070 | AKS ALL | | - | |
| | В. | Preparation | n for Installation | | | | | | | |
| | | SUBTASK 21-27-0 | 1-010-005 | | | | | | | |
| | | | the forward cargo co 52-31-00-580-801). | mpartment | door (Open the | Cargo | Door, AMM | | | |
| | C. | Equipment | Cooling Air Filter In | nstallation | ı | | | | | |
| | | SUBTASK 21-27-0 | 1-400-001 | | | | | | | |
| | | . , | ccess to the filter hou artment. | sing assen | nbly [1] at the rig | ht, forw | ard bulkhead ir | n the cargo | | |
| | | SUBTASK 21-27-0 | | | | | | | | |
| | | | the forward cargo co 52-31-00-580-802) to | | | | | | | |
| | | SUBTASK 21-27-0 | 1-020-003 e equipment cooling a | air filter [2] | in its position or | n the filt | er housing asse | embly [1]. | | |
| | | SUBTASK 21-27-0 | 1-020-004 | | | | | | | |
| | | . , | the latch assemblies ably [1]. | [3] that are | e on the top and | the bot | tom of the filter | housing | | |
| | D. | Put the Air | plane Back to Its Us | ual Condi | ition | | | | | |
| | | SUBTASK 21-27-0 | 1-410-001 | | | | | | | |
| | | liner, d | the forward right bull to this task: Forward TASK 25-52-16-400- | Cargo Cor | | | | | | |
| | | SUBTASK 21-27-0 | 1-010-006 | | | | | | | |
| | | (2) Open | the cargo compartme | ent door to | allow technician | to exit. | | | | |
| | | SUBTASK 21-27-0 | | | | | | | | |
| | | (3) As req | uired, close the forwa | ard cargo o | compartment do | or. | | | | |
| | | | | – END OF | TASK ——— | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | EFFECT AKS | | SOURCE MRB | E/E COOLING | SUPPLY | FAN FILTER | | | |
| | | | | | | | | | | |
| | | | | | D633A109-AKS 21-040-00-01 | 3 | | | Page 3 Feb 15/ | |







737-600/700/800/900 TASK CARDS

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 21-040-00-01 0 0 0 [1] FILTER HOUSING ASSEMBLY [2] EQUIPMENT COOLING AIR FILTER [3] LATCH ASSEMBLY (2 LOCATIONS) **EQUIPMENT COOLING AIR FILTER** G11854 S0006562599_V2 **Equipment Cooling Air Filter Installation** Figure 1 (Sheet 2 of 2) EFFECTIVITY SOURCE **E/E COOLING SUPPLY FAN FILTER AKS ALL MRB** D633A109-AKS Page 5 of 5 Feb 15/2015 21-040-00-01





| AIRLIN | E CARD NO | OVERBOA | TITLE ARD EXHAUST VAI | | BOEING CARD NO. 21-050-00-01 | | |
|-------------|----------------------|----------------|--------------------------|--------------------------|---------------------------------|--------|--|
| DATE | TASK OPERATIONAL | | | | RELATED |) CARD | |
| TAIL NUMBER | WORK AREA CREW CABIN | VERSION 1.1 | THRESHOLD 9000 FH | REPEAT 9000 FH | APPLICA | | |
| STATION | SKILL AIRPL | | | | AIRPLANE ALL NOTE | ALL | |
| | | ACCESS 117A | | | ZONE 117 118 211 212 | | |
| | | | | | | | |

Operationally check the equipment cooling overboard exhaust valve, supply fans, exhaust fans (if applicable), and recirculation fan(s) in smoke clearance mode.

AIRPLANE NOTE: Exhaust fan operational check is applicable to 737-600/-700/-800 airplanes Line Number 1701 and on, and L/N 1-1700 that have incorporated SB 737-26-1122.

A. References

| Reference | Title |
|----------------------|--|
| AMM 24-22-00-860-811 | Supply Electrical Power (P/B 201) |
| AMM 24-22-00-860-812 | Remove Electrical Power (P/B 201) |
| AMM 32-09-00-840-801 | Prepare to Put the Airplane in the Air Mode (P/B 201) |
| AMM 32-09-00-840-802 | Return the Airplane Systems Back to Their Normal On Ground Condition (P/B 201) |
| AMM 32-09-00-860-802 | Return the Airplane to the Ground Mode (P/B 201) |
| FIM 21-25 TASK 802 | Left or Right Recirculation Fan Does Not Operate - Fault Isolation |
| FIM 21-27 TASK 805 | EQUIP COOLING EXHAUST OFF Light On With the Switch at ALTERNATE - Fault Isolation |
| FIM 21-27 TASK 806 | EQUIP COOLING EXHAUST OFF Light On With the Switch at NORMAL - Fault Isolation |
| FIM 21-27 TASK 807 | EQUIP COOLING SUPPLY OFF Light On With the Switch at ALTERNATE - Fault Isolation |
| FIM 21-27 TASK 808 | EQUIP COOLING SUPPLY OFF Light On With the Switch at NORMAL - Fault Isolation |
| FIM 21-27 TASK 809 | Equipment Cooling Overboard Exhaust Valve Does Not Open When Commanded - Fault Isolation |
| FIM 21-27 TASK 810 | Equipment Cooling Supply Fans Do Not Shut Off When Commanded During a Cargo Compartment Smoke Alert - Fault Isolation |
| FIM 21-27 TASK 811 | Equipment Cooling Exhaust Fans Do Not Shut Off When Commanded During a Cargo Compartment Smoke Alert - Fault Isolation |

| EFFECTIVITY AKS ALL | SOURCE MRB | OVERBOARD EXHAUST VALVE CHECK | |
|---------------------|------------|-------------------------------|-----------------------------|
| | | D633A109-AKS 21-050-00-01 | Page 1 of 10 Oct 15/2015 |



737-600/700/800/900 TASK CARDS

| | DATE TAIL NUMBER | | | NUMBER | | STATION | AIRLINE CARD NO. | BOEING CARD NO. 21-050-00-01 | | | | | | | |
|----------------------------------|--|---|---------|--------------------------|-----------------------------|---------------|------------------|---|---------------|--|--|--|--|--|--|
| 1 | TAS | SK 21-27-00-700-807 | | | | | | | | | | | | | |
| | Smoke Clearance Mode - Operational Test | | | | | | | | | | | | | | |
| | Α. | Gen | eral | | | | | | | | | | | | |
| | | (1) This task does an operational test of the equipment cooling overboard exhaust valve. The interfaces of the exhaust fans, supply fans, recirculation fans, and smoke detection system with the overboard exhaust valve system are also tested. | | | | | | | | | | | | | |
| | | (2) The equipment cooling overboard exhaust valve will be referred to by the acronym OE\ in this test. | | | | | | | | | | | | | |
| | | (3) | ann | unciate to th | e flight crew | of the forv | vard cargo fire | e detectors will detect sm e. The flight crew will the ht deck which results in t | n take the | | | | | | |
| | | | (a) | Power to the | ne E/E cooli | ng supply i | normal and al | ternate fans is removed f | or 5 minutes | | | | | | |
| | | | (b) | The E/E co | oling suppl | y low flow s | sensor warnin | g is inhibited for 5 minute | es | | | | | | |
| | | | (c) | The OEV o | pens to the | SMOKE p | osition for the | duration of the flight | | | | | | | |
| | | | (d) | Power to the duration of | | ng exhaus | normal and a | alternate fans is removed | for the | | | | | | |
| | | | (e) | The E/E co | oling exhau | ust low flow | sensor warn | ing is inhibited for the du | ration of the | | | | | | |
| B. Operational Test Requirements | | | | | | | | | | | | | | | |
| | SUBTASK 21-27-00-860-377 (1) If the operational test is not satisfactory, do a system fault isolation as follows: | | | | | | | | | | | | | | |
| | | (1) | If the | • | | | | | S: | | | | | | |
| | | | (a) | For the left | or right rec | irculating fa | an, refer to FI | M 21-25 TASK 802. | | | | | | | |
| | | | (b) | For the alte | ernate exha | ust fan, M9 | 9, refer to FIN | M 21-27 TASK 805. | | | | | | | |
| | | | (c) | For the nor | mal exhaus | st fan, M98 | see: FIM 21- | -27 TASK 806. | | | | | | | |
| | | | (d) | For the alte | ernate supp | ly fan, M13 | 23, refer to F | IM 21-27 TASK 807. | | | | | | | |
| | | | (e) | For the nor | mal supply | fan, M1322 | 2, refer to FIM | 1 21-27 TASK 808. | | | | | | | |
| | | | (f) | For the OE | V, refer to F | FIM 21-27 | TASK 809. | | | | | | | | |
| | | | (g) | | • | | | nded, refer to FIM 21-27 | | | | | | | |
| | | | (h) | If the exha | ust fans do | not shut of | f when comm | anded, refer to FIM 21-2 | 7 TASK 811. | | | | | | |
| | | (2) | Do t | he operation | ıal test agai | n until the | test is satisfac | ctory. | | | | | | | |
| (| C. | Prep | oarati | ion for the (| Operational | l Test of th | e OEV Smok | e Clearance Mode | | | | | | | |
| | | SUBTA | SK 21-2 | 7-00-010-004 | | | | | | | | | | | |
| | | (1) Get access to the Digital Cabin Pressure Controller (DCPC) No. 2 as follows: | | | | | | | | | | | | | |
| | | | NOT | | tal cabin pro ORMAL or : | | | vill be used to determine | if the OEV is | | | | | | |
| | | | (a) | Open this a | - | | | | | | | | | | |
| | | | | <u>Number</u> | Name/Lo | | | | | | | | | | |
| | | | | 117A | Electroni | c Equipme | nt Access Doo | or | | | | | | | |
| | | | | ECTIVITY | | SOURCE | | EXHAUST VALVE CHEC | | | | | | | |

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| TAIL NUMBER | | | STATION | AIRLINE CARD NO. | BOEING CARD NO. 21-050-00-01 | | | | | | |
|--|--|---|---|--|---|---|---|--|--|--|--|
| Test o | f the Smoke | Clearance Mode of the Overboard Exhaust Valve | | | | МЕСН | INS | | | | |
| -860-223 | | | | | | | | | | | |
| task: S | supply Electric | cal Power, | AMM TASK 24-2 | 22-00-860-811. | | | | | | | |
| -860-368 | | | | | | | | | | | |
| of the | steps that foll | ows: | | | | | | | | | |
| | | | itch on the P5-1 | 3 electrical meters, bat | tery and | | | | | | |
| | | | ch on the P5-13 | B electrical meters, batte | ery and | | | | | | |
| -210-005 | | | | | | | | | | | |
| (3) Make sure the needle on the position indicator gage on the P5-6 pressurization control panel shows that the aft outflow valve is fully open. | | | | | | | | | | | |
| SUBTASK 21-27-00-860-225 | | | | | | | | | | | |
| (4) Make sure that the airplane is in the ground mode. | | | | | | | | | | | |
| SUBTASK 21-27-00-860-359 | | | | | | | | | | | |
| (5) Open these circuit breakers and install safety tags: | | | | | | | | | | | |
| Electric | cal System P | anel. P18- | 1 | | | | | | | | |
| | - | Name | • | | | | | | | | |
| 5 | · | | FT DC | | | | | | | | |
| 7 | | | | | | | | | | | |
| CAPT Electrical System Panel, P18-2 | | | | | | | | | | | |
| | - | Name | _ | | | | | | | | |
| 5 | C01204 | SMYD-1 | CMPTR DC | | | | | | | | |
| 6 | C01205 | SMYD-1 S | SNSR EXC AC | | | | | | | | |
| Electric | cal System P | anel. P18- | 3 | | | | | | | | |
| Col | Number | Name | | | | | | | | | |
| 18 | | | OLING LOW FL | OW DETECT EXHAUS | ST | | | | | | |
| F/O Electrical System Panel, P6-1 | | | | | | | | | | | |
| Row Col Number Name | | | | | | | | | | | |
| 4 | C01207 | SMYD-2 S | SNSR EXC AC | | | | | | | | |
| 5 | C01206 | SMYD-2 C | CMPTR DC | | | | | | | | |
| 14 | C01008 | ADIRU RI | GHT AC | | | | | | | | |
| 17 | C01010 | ADIRU RI | GHT DC | | | | | | | | |
| ectrical | System Pan | el, P6-4 | | | | | | | | | |
| Row Col Number Name | | | | | | | | | | | |
| 14 | C01435 | EQPT CO | OLING EXHAU | ST FAN CONT NORMA | AL . | | | | | | |
| 15 | C01436 | EQPT CO | OLING EXHAU | ST FAN CONT ALTN | | | | | | | |
| | | | | | 1 | | | | | | |
| VITY NLL | | SOURCE MRB | OVERBOARD E | EXHAUST VALVE CHECK | <u> </u> | | | | | | |
| | task: S sectrical Col 18 cectrical Col 17 cectrical Col Col Col Col Col Col Col Col Col Co | task: Supply Electric asco-368 a of the steps that foll lake sure that the CA alley power panel is a lake sure that the GA alley power panel is a lake sure that the GA alley power panel is a lake sure that the GA alley power panel is a lake sure that the aft out asco-210-005 bure the needle on the shows that the airplane asco-225 bure that the airplane asco-359 bese circuit breakers Electrical System P Col Number 5 C01009 7 C01007 Electrical System P Col Number 5 C01204 6 C01205 Electrical System P Col Number 18 C01434 Ectrical System Pane Col Number 4 C01207 5 C01206 14 C01008 17 C01010 Ectrical System Pane Col Number Col Number 4 C01008 17 C01010 Ectrical System Pane Col Number | task: Supply Electrical Power, 2 2860-368 2 of the steps that follows: Iake sure that the CAB/UTIL swealley power panel is set at ON. Iake sure that the GALLEY switted power panel is set at ON. Iake sure that the GALLEY switted power panel is set at ON. Iake sure that the GALLEY switted power panel is set at ON. Iake sure that the GALLEY switted power panel is set at ON. Iake sure that the aft outflow valve power panel is set at ON. Iake sure that the aft outflow valve power panel is set at ON. Iake sure that the aft outflow valve power panel is in the gradient power panel, | task: Supply Electrical Power, AMM TASK 24-2-860-368 of the steps that follows: lake sure that the CAB/UTIL switch on the P5-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1-2-1-2 | task: Supply Electrical Power, AMM TASK 24-22-00-860-811. task: Supply Electrical Power, AMM TASK 24-22-00-860-811. task: Supply Electrical Power, AMM TASK 24-22-00-860-811. task: Sure that the CAB/UTIL switch on the P5-13 electrical meters, bate alley power panel is set at ON. take sure that the GALLEY switch on the P5-13 electrical meters, batte alley power panel is set at ON. task: Sure that the GALLEY switch on the P5-13 electrical meters, batte alley power panel is set at ON. task: Sure that the electrical set outflow valve is fully open. task: Sure that the aft outflow valve is fully open. task: Sure that the aft outflow valve is fully open. task: Sure that the aft outflow valve is fully open. task: Sure that the electrical system Panel, P18-1 Col Number Name 5 C01009 ADIRU LEFT DC 7 C01007 ADIRU LEFT DC 7 C01007 ADIRU LEFT AC Electrical System Panel, P18-2 Col Number Name 5 C01204 SMYD-1 SNSR EXC AC Electrical System Panel, P18-3 Col Number Name 18 C01434 EQPT COOLING LOW FLOW DETECT EXHAUST COIL System Panel, P6-1 Col Number Name 4 C01207 SMYD-2 SNSR EXC AC 5 C01206 SMYD-2 SNSR EXC AC 5 C01206 SMYD-2 CMPTR DC 14 C01008 ADIRU RIGHT AC 17 C01010 ADIRU RIGHT DC tectrical System Panel, P6-4 Col Number Name Amme | Test of the Smoke Clearance Mode of the Overboard Exhaust Valve | Test of the Smoke Clearance Mode of the Overboard Exhaust Valve #### 1869-223 task: Supply Electrical Power, AMM TASK 24-22-00-860-811. #### 360-368 ### of the steps that follows: lake sure that the CAB/UTIL switch on the P5-13 electrical meters, battery and alley power panel is set at ON. lake sure that the GALLEY switch on the P5-13 electrical meters, battery and alley power panel is set at ON. Alexa sure that the GALLEY switch on the P5-13 electrical meters, battery and alley power panel is set at ON. Alexa sure the needle on the position indicator gage on the P5-6 pressurization control shows that the aft outflow valve is fully open. Alexa sure that the airplane is in the ground mode. Alexa sure that the airplane is in the ground mode. Alexa sure that the airplane is in the ground mode. Alexa sure that the airplane is in the ground mode. Alexa sure that the airplane is in the ground mode. Alexa sure that the airplane is in the ground mode. Alexa sure that the airplane is in the ground mode. Alexa sure that the airplane is in the ground mode. Alexa sure that the aft outflow valve is fully open. Alexa sure that the aft outflow valve is fully open. Alexa sure that the after a to N. Alexa sure that the Call safety and alley sure that the after a to N. Alexa sure that the after a to N. Alexa sure that the Call safety and alley sure that the after a to N. Alexa sure that the calculation of the property and alley sure that the after a to N. Alexa sure that the after a to N. Alexa sure that the Call safety and alley sure that the after a to N. Alexa sure that the after a to N. Alexa sure that the Call safety and alley sure that the after a to N. Alexa sure that the calculation of the property and alley sure that the after a to N. Alexa sure that the calculation of the property and alley sure that the after a to N. Alexa sure that the Alexa sure that the Alexa sure that the airplane and alley sure that the after a to N. Alexa sure that | | | | |





| | | TAIL NUMBER STATION AIRLINE CARD NO. BOEING C 21-050 | | | | | |
|--------|----------------|--|--------------------|------------------|---|-------------|------|
| SUBTAS | SK 21-2 | 7-00-860-335 | | | | | MECH |
| (6) | | | o Put the Airpla | ne in the Air M | ode, AMM TASK 32-09-0 | 0-840-801. | |
| , , | (a) | Do not put the ai | | | | | |
| SUBTAS | ` ′ SK 21-2 | 7-00-860-336 | • | | | | |
| (7) | Оре | n these circuit bre | akers and insta | ll safety tags: | | | |
| | F/O | Electrical Systen | n Panel. P6-3 | | | | |
| | Rov | | | | | | |
| | С | 15 C0135 | 5 LANDING | GEAR AIR/G | ND SYS 2 | | |
| | С | 16 C0135 | 6 LANDING | GEAR AIR/G | ND SYS 1 | | |
| SUBTAS | SK 21-2 | 7-00-860-227 | | | | | |
| (8) | | | | | switches on the equipment of to the NORM positions | _ | |
| SUBTAS | SK 21-2 | 7-00-210-004 | | | | | |
| (9) | Mak | e sure that pneum | atic power is of | f: | | | |
| | (a) | The L and R nee conditioning pane | | | RESS gauge on the P5-1 | 0 air | |
| SUBTAS | SK 21-2 | 7-00-860-226 | | | | | |
| (10) | Set t | hese switches on | the P5-10 Air C | Conditioning Pa | anel to the AUTO position | : | |
| | (a) | L PACK | | | | | |
| | (b) | R PACK | | | | | |
| | (c) | L RECIRC FAN | | | | | |
| SUBTAS | SK 21-2 | 7-00-860-284 | | | | | |
| (11) | Set t | he R RECIRC FA | N switch on the | P5-10 Air Cor | nditioning Panel to the OF | F position. | |
| | | 7-00-710-067 | | | | | |
| (12) | Do t | his check that the | left recirculation | n fan is operati | ing: | | |
| | (a) | • | • . | • | d of the captain's and first llation fan is operating. | officer's | |
| | (b) | If the airflow out recirculation fan | | | t to positively determine le at follows: | eft | |
| | | 1) Open this a | ccess panel: | | | | |
| | | Open this a | ccess panel: | | | | |
| | | <u>Number</u> | Name/Locati | <u>on</u> | | | |
| | | 191E | Low Pressure | ECS Panel - | Forward | | |
| | | 2) Push up on | the swing chec | k valve. | | | |
| | | , | | | alve, the left recirculation | fan is | |
| | | operating. | J | - | | | |
| SUBTAS | SK 21-2 | 7-00-860-337 | | | | | |
| (13) | Set t | he L RECIRC FAI | N switch on the | P5-10 Air Con | ditioning Panel to the OF | F position. | |
| | | | | | | | |
| | | | | | | | |



737-600/700/800/900 **TASK CARDS**

| DATE | TAD AUGUS | | K CARDS | AIDLINE CADE NO | POEING CASE |
|---------------------------|---|--------------------|-------------------|--|-----------------------------|
| DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING CARD N 21-050-00- |
| SUBTASK 21-2 | 7-00-710-073 | 1 | | | MEG |
| (14) Do t | his check that the r | ecirculation fan | s are not opera | ating: | |
| (a) | If air is not flowing controls, the recir | | | ard of the windshield and I. | d foot air |
| SUBTASK 21-2 | | 1 - 20-6 - 06- | DE 40 A': 0 | PP Co. Down Look All | TO |
| , , | | N SWITCH ON THE | P5-10 Air Cond | ditioning Panel to the AU | 10 position. |
| subtask 21-2 (16) Do t | 7-00-710-068 his check that the r | ight recirculation | n fan is operati | ina: | |
| (a) | If air is flowing ou | t of the gaspers | just outboard | of the captain's and first ulation fan is operating. | officer's |
| (b) | | of the gaspers is | not sufficient t | to positively determine ri | ght |
| | 1) Open this ac | ccess panel: | | | |
| | <u>Number</u> | Name/Location | <u>on</u> | | |
| | 191E | Low Pressure | ECS Panel - F | orward | |
| | 2) Push up on | the swing chec | k valve. | | |
| | If air flows o operating. | ut through the s | swing check val | lve, the right recirculation | n fan is |
| SUBTASK 21-2 | | | | | |
| ` ' | tion indication: | | · | e controller to display the | |
| (a) | panel to AUTO. | | | the P5-6 pressurization of | |
| | NOTE: The AUT | O FAIL light ma | y momentarily t | flash when AUTO is sele | cted. |
| (b) | Push the ON/OFF on the E1-1 shelf | | | in pressure controller No | o.2 (M1654) |
| (c) | Push the MENU b | | | | |
| (d) | Continue to push | the ↓ button un | til the display s | hows SYSTEM STATUS | i. |
| (e) | Push the YES but | | | | |
| (f) | Push the ↓ button | - | y shows SYST | EM CONFIG. | |
| (g) | Push the YES but | tton. | | | |
| (h) | Push the ↓ button | | y shows this m | essage: | |
| | 1) CARGO HT | | | | |
| | NOTE: This | display indicat | es that the OE\ | V is in the NORMAL pos | ition. |
| SUBTASK 21-2 | | | 0.1-0 | | |
| (18) Mak | e sure that the DC | PC display show | ws CARGO HT | VLV LOW. | |
| SUBTASK 21-2 | | to the HICH | oition | | |
| (19) Set | the R PACK switch | ю те нібн ро | วรแบท. | | |
| | ECTIVITY S ALL | SOURCE MRB | OVERBOARD | EXHAUST VALVE CHECK | K . |
| | | | D633A109-AKS | 3 | Page Oct 1 |





| DATE | | Т | AIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING CAR 21-050-0 | | |
|------|---------------------|------------|----------------|--------------|------------------------------------|---|-------------------------------|------------------|------|
| SURT | ASK 21-27-0 | 00-710-070 | | | | | N | МЕСН | INSF |
| (20) | | | DCPC displa | ay shows C | ARGO HT VLV | HIGH. | | | |
| SUBT | ASK 21-27-0 | | | • | | | | | |
| (21) | Set th | ie R PAC | K switch to t | he AUTO p | osition. | | | | |
| SUBT | ASK 21-27-0 | 00-710-071 | | | | | | | |
| (22) | Make | sure the | DCPC displa | ay shows C | ARGO HT VLV | LOW. | | | |
| SUBT | ASK 21-27-0 | 00-860-341 | | | | | | | |
| (23) | Set th | e L PACI | K switch to th | ne HIGH po | sition. | | | | |
| SUBT | ASK 21-27-0 | 00-710-072 | | | | | | | |
| (24) | Make | sure the | DCPC displa | ay shows C | ARGO HT VLV | HIGH. | | | |
| SUBT | ASK 21-27-0 | | | | | | | | |
| (25) | Do an | audible | check that th | ne normal s | upply fan M1322 | 2 is operating. | | | |
| SUBT | ASK 21-27-0 | | | | | | | | |
| (26) | Set th | is switch | on the P5-1 | 0 Air Condi | tioning Panel to | the OFF position: | | | |
| | (a) | R RECIR | C FAN | | | | | | |
| | (b) | Make a n | ote of the tin | ne when the | e switch is place | d in the OFF position. | | | |
| SUBT | ASK 21-27-0 | 00-710-075 | | | | | | | |
| (27) | Make | sure the | DCPC displa | ay shows C | ARGO HT VLV | HIGH. | | | |
| | NOTE | : This d | isplay indicat | tes that the | OEV is in the S | MOKE position. | | | |
| SUBT | ASK 21-27-0 | 00-710-076 | | | | | | | |
| (28) | Do an | audible | check that th | ne normal s | upply fan M1322 | 2 is not operating. | | | |
| SUBT | ASK 21-27-0 | 00-860-343 | | | | | | | |
| (29) | | | | | | ritches on the equipment to the ALTN positions. | it cooling | | |
| SUBT | ASK 21-27-0 | 00-710-077 | | | | | | | |
| (30) | Do an | audible | check that th | ne alternate | supply fan M13 | 23 is not operating. | | | |
| | ASK 21-27-0 | | | | | | | | |
| (31) | | | | | supply fan M13 witch was set to | 23 is operating within 4 o OFF. | 1/2 to 5 1/2 | | |
| SUBT | ASK 21-27-0 | 00-860-344 | | | | | | | |
| (32) | Open | these cir | cuit breakers | s and instal | l safety tags: | | | | |
| | CAPT | Γ Electric | al System F | Panel, P18- | 3 | | | | |
| | Row | | Number | <u>Name</u> | | | | | |
| | С | | C01523 | | IRE FWD DET | | | | |
| | С | 17 | C01522 | CARGO F | TIRE FWD DET | A | | | |
| | F/O E | lectrical | System Pai | nel. P6-4 | | | | | |
| | Row | | <u>Number</u> | <u>Name</u> | | | | | |
| | D | 1 | C01444 | A/C OVEF | RBOARD EXHA | UST VALVE CONT | | | |
| | D | 2 | C01445 | A/C OVEF | RBOARD EXH V | ALVE RECONFIG CON | NT | | |
| | EFFEC AKS | | | SOURCE MRB | OVERBOARD E | XHAUST VALVE CHECK | , | | |
| | | | | | D633A109-AKS 21-050-00-01 | | | ge 6 d t 15/2 | |
| | | | | 1 | <u> </u> | | | | |



| | DATE | | T | AIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C 21-050 | | |
|----|---------------|----------------------|------------|----------------------------|--------------|---|--|--------------------|-----------------|------|
| | SUBTA | ASK 21-27-0 | 0-860-345 | | | | | 1 | MECH | INSP |
| | (33) | Close | this circu | uit breaker: | | | | | | |
| | | F/O E | lectrical | System Pa | nel, P6-4 | | | | | |
| | | Row | <u>Col</u> | <u>Number</u> | <u>Name</u> | | | | | |
| | | D | 1 | C01444 | A/C OVEF | RBOARD EXHA | UST VALVE CONT | | | |
| | | ASK 21-27-0 | | | | | | | | |
| | (34) | Do an | audible | check that th | ne alternate | supply fan M13 | 323 is not operating. | | | |
| | | ASK 21-27-0 | | | | | | | | |
| | (35) | | s step: | | | latian fan ia ar | a a a time a . | | | |
| | | ` , | | | • | culation fan is op | - | d firet | | |
| | | | , | - | - | | pard of the captain's and e right recirculation fan | | | |
| | | | | | | pers is not suffice then do the step | cient to positively deterros that follow: | mine | | |
| | | | a) | Make sure | that this ac | cess panel is o | pen: | | | |
| | | | | <u>Number</u> | Name/Lo | ocation | | | | |
| | | | | 191E | Low Pres | ssure ECS Pane | el - Forward | | | |
| | | | b) | Push up o | n the swing | check valve. | | | | |
| | | | c) | If air is flow fan is oper | - | ough the swing | check valve, the right re | ecirculation | | |
| | suвт/ (36) | ASK 21-27-0 Close | | cuit breaker | s: | | | | | |
| il | (00) | | | al System I | | 3 | | | | |
| | | Row | | Number | Name | 3 | | | | |
| | | | 16 | C01523 | CARGO F | IRE FWD DET | В | | | |
| I | | С | 17 | C01522 | CARGO F | IRE FWD DET | A | | | |
| ı | SUBTA | ASK 21-27-0 | 0-860-346 | | | | | | | |
| ľ | (37) | | | the TEST so comes on. | witch on the | P8 Cargo Fire | Control Panel until the | AFT red | | |
| | SUBTA | ASK 21-27-0 | 0-860-369 | | | | | | | |
| I | (38) | | | CUTOUT s nent fire bell | | e Engine and AF | PU Fire Control Panel to | silence the | | |
| | SUBTA | ASK 21-27-0 | 0-710-088 | | | | | | | |
| I | (39) | | | | | llation fan is not | . 0 | | | |
| | | | | | | | ord of the captain's and lation fan is not operatir | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | EFFECT AKS | | | SOURCE MRB | OVERBOARD E | EXHAUST VALVE CHECK | < | | |
| | | | | | | D633A109-AKS 21-050-00-01 | | | age 7 un 15/ | |



| | DATE | Т | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING CA 21-050- | | |
|---|-----------------------------|--------------------|-------------------------------|----------------------------|------------------------------|---|----------------------|--------------------|------|
| | SUBTASK 21-27 | -00-860-347 | | | | | | MECH | INSP |
| d | | | rcuit breakers | and instal | I safety tags: | | | | |
| 1 | , , | | cal System P | | | | | | |
| | Rov | | - | Name | | | | | |
| | A | 17 | C01433 | | OLING LOW FL | OW DETECT SUPPLY | | | |
| | | | | | | | | | |
| | | | System Par | | | | | | |
| | Rov | | Number | Name | | | | | |
| | С | 12 | C01116 | | | Y FAN CONT-NORMAL | | | |
| | C | 13 1 | C01117 C01444 | | | Y FAN CONTROL-ALTN UST VALVE CONT | | | |
| | _ | - | 001444 | ACOVLI | NDOAND EXITA | OOT VALVE COIVI | | | |
| d | SUBTASK 21-27 (41) Close | | rcuit breakers | z· | | | | | |
| 1 | ` , | | | | 2 | | | | |
| | Rov | | cal System P Number | 'anei, P18- <u>Name</u> | 3 | | | | |
| d | <u>100</u> A | <u>v 551</u> 18 | C01434 | | | LOW DETECT EXHAUST | | | |
| 1 | ^ | 10 | 001404 | LQITOO | OLINO LOW I L | LOW DETECT EXTINOST | | | |
| | F/O I | Electrical | System Par | nel, P6-4 | | | | | |
| | Rov | <u> Col</u> | <u>Number</u> | <u>Name</u> | | | | | |
| | С | 14 | C01435 | | | ST FAN CONT NORMAL | | | |
| | С | 15 | | | | ST FAN CONT ALTN | | | |
| | D | 1 | | | | UST VALVE CONT | | | |
| | D | 2 | C01445 | A/C OVER | RBOARD EXH V | ALVE RECONFIG CONT | | | |
| | SUBTASK 21-27 | | | | | | | | |
| Ц | (42) Do a | n audible | check that th | e alternate | exhaust fan M9 | 99 is operating: | | | |
| | SUBTASK 21-27 | | | | | | | | |
| 1 | | | | | | vitches on the equipment to the NORM positions. | cooling | | |
| | SUBTASK 21-27 | -00-710-083 | | | | | | | |
| I | (44) Do a | n audible | check that th | e normal e | xhaust fan M98 | is operating: | | | |
| | SUBTASK 21-27 | | | | | | | | |
| 1 | ` ' | | the TEST sv fire lights co | | P8 Cargo Fire | Control Panel until the FV | VD and | | |
| | SUBTASK 21-27 | -00-710-084 | | | | | | | |
| I | (46) Do a | n audible | check that th | e normal e | xhaust fan M98 | is not operating: | | | |
| | SUBTASK 21-27 | -00-860-351 | | | | | | | |
| I | . , | | | | | vitches on the equipment to the ALTN positions. | cooling | | |
| | SUBTASK 21-27 | | | | | | | | |
| ı | (48) Do a | n audible | check that th | e alternate | exhaust fan M9 | 99 is not operating: | | | |
| | FFFF | CTIVITY | | SOURCE | OVERROARE | TVIIALIOT VALVE OUTOU | | | |
| | | S ALL | | MRB | OVERBUARD E | EXHAUST VALVE CHECK | | | |
| | | | | | D633A109-AKS 21-050-00-01 | 1 | | ige 8 d in 15/2 | |
| | | | POEING PROPE | | | | | | |



737-600/700/800/900 TASK CARDS

| | DATE TAIL N | UMBER | | STATION | AIRLINE CARD NO. | BOEING CA 21-050- | | |
|---|---|-------------------|---------------|--------------------|---|----------------------|---------|------|
| | subtask 21-27-00-860-352 (49) Close these circui | t breakers: | | | | | MECH | INSP |
| 1 | (') | | D6 2 | | | | | |
| | F/O Electrical Sy Row Col N | | ame | | | | | |
| | | | | GEAR AIR/GNI | D SYS 2 | | | |
| | | | | GEAR AIR/GNI | | | | |
| | SUBTASK 21-27-00-710-086 | | | | | | | |
| d | (50) Make sure the DC | CPC display s | shows C | ARGO HT VLV | HIGH. | | | |
| 1 | NOTE: This displ | | | | | | | |
| | SUBTASK 21-27-00-860-353 | ay maloatoo | triat trio | | MONE poolion. | | | |
| d | (51) Open this circuit b | reaker and i | nstall sa | fety tag: | | | | |
| 1 | , , , | | | icty tag. | | | | |
| | F/O Electrical Sy Row Col N | | , P6-4 ame | | | | | |
| | | | | ROARD EXHAI | UST VALVE CONT | | | |
| | | | | | | aar latabad | | |
| | | anu Ari Ca | igo ille a | alaitii telays R94 | 45 and R946 are no lonզ | ger laterieu. | | |
| | SUBTASK 21-27-00-860-355 | ura diaablad | airplana | avatama ta tha | normal around condition | n: Doturn | | |
| 1 | (52) Do this task to ret the Airplane Syste | | | | normal ground condition d Condition AMM | n. Return | | |
| | TASK 32-09-00-8 | | 111011 140 | minar on ordan | a Corration, 7 tivilvi | | | |
| | E. Put the Airplane Back | to Its Usua | l Condit | ion | | | | |
| | SUBTASK 21-27-00-860-259 | 10 110 0044 | | | | | | |
| | (1) Put these switche | s to the AUT | O positio | on: | | | | |
| | (a) R RECIRC F | | | | | | | |
| | (b) L RECIRC F | | | | | | | |
| | () | /AIN | | | | | | |
| | subtask 21-27-00-860-367 (2) Put these switche | s to the OFF | nosition | ١٠ | | | | |
| | | 3 10 1110 01 1 | position | | | | | |
| | () | | | | | | | |
| | (b) R PACK | | | | | | | |
| | suвтаsк 21-27-00-860-261 (3) Do this task: Retu | ırn the Airplai | ne to the | Ground Mode | AMM TASK 32-09-00-8 | 60 802 | | |
| | . , | iiii tiie Aiipiai | ne to the | oround Mode, | AMM 1AGN 32-03-00-0 | 00-002. | | |
| | * * | s on the cen | ter pane | l of the forward | overhead panel to the N | IORM | | |
| | position: | | 137 | | | | | |
| | (a) EQUIP COC | | | | | | | |
| | (b) EQUIP COC | LING EXHA | UST | | | | | |
| | SUBTASK 21-27-00-860-366 | | | | | | | |
| | (5) Close all circuit br | eakers that \ | were ope | enea. | | | | |
| | EFFECTIVITY | | SOURCE | OVERBOARD F | XHAUST VALVE CHECK | | | |
| | AKS ALL | | MRB | | too. There oneon | | | |
| | | | | D633A109-AKS | | | age 9 o | |

21-050-00-01

Jun 15/2016



| DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C. 21-050 | | |
|-------|---------------|--|------------------------|------------------|----------------------------------|---------------------|----------|-------|
| SUBTA | ASK 21-27-0 | 0-410-010 | · | | | | MECH | INSP |
| (6) | | these access panels: | | | | | | |
| | Numb | | | | | | | |
| | 117A | <u> </u> | | cess Door | | | | |
| | 191E | • | ECS Pane | el - Forward | | | | |
| SUBTA | ASK 21-27-0 | 0-860-262 | | | | | | |
| (7) | Remo | ve electrical power if i ve Electrical Power, A | t is not ne MM TASK | cessary. To remo | ove electrical power, do 312. | this task: | | |
| | | | | TASK ——— | | | | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |
| | EFFECT AKS | | SOURCE MRB | OVERBOARD E | EXHAUST VALVE CHECK | (| <u> </u> | |
| | | | | D633A109-AKS | ; | Pa | ge 10 | of 10 |





737-600/700/800/900 TASK CARDS

| AIRLINE | E CARD NO | | TITLE LVE MOTOR, SEL | | BOEING 0 21-060 | |
|-------------|----------------------|-------------|-----------------------|---------------------------|---------------------|-------------------|
| DATE | TASK OPERATIONAL | INDICA | FOR, FEED BACK | MODULE | RELATE | D CARD |
| TAIL NUMBER | WORK AREA CREW CABIN | VERSION 1.1 | THRESHOLD 12000 FH | REPEAT 12000 FH | APPLICA AIRPLANE | ABILITY ENGINE |
| STATION | SKILL AIRPL | | | | ALL | ALL |
| | | ACCESS | | | ZONE 211 212 | |
| | | | | | | |

Operationally check the outflow valve manual mode (motor), selector panel, indicator, indicator feedback module.

A. References

| Reference | Title |
|----------------------|-----------------------------------|
| AMM 24-22-00-860-811 | Supply Electrical Power (P/B 201) |
| AMM 24-22-00-860-812 | Remove Electrical Power (P/B 201) |

| EFFECTIVITY AKS ALL | SOURCE MRB | OUTFLOW VALVE MOTOR, SELECTOR PANEL, IN FEED BACK MODULE | NDICATOR, |
|---------------------|---------------|--|----------------------------|
| | | D633A109-AKS 21-060-00-01 | Page 1 of 7 Jun 15/2015 |



737-600/700/800/900

| | D | ATE | | | | TAIL | NUMBER | | | STATION | | AIRLINE CARD NO. | BOEING C. 21-060- | | |
|---|-----|--------|-----------|----------------|--------------|-------|-----------------|------------|-------------|--------------------------------|----------|---------------------------------|------------------------|------|----|
| 1 | TAS | K 21. | 31-0 |)-71(|)-801 | | | | | | | | | MECH | IN |
| | | | | | | | nual I | Mod | e Test | | | | | | |
| | | ire 1) | | | | | | | | | | | | | |
| | Α. | Gen | eral | | | | | | | | | | | | |
| | | (1) | This | task | does | s ar | n oper | atior | nal test of | these compo | nents: | | | | |
| | | | (a) | The | outf | low | valve | mar | nual mode | e motor | | | | | |
| | | | (b) | The | outf | low | valve | sele | ector pane | el | | | | | |
| | | | (c) | The | outf | low | valve | pos | ition indic | ator | | | | | |
| | | | (d) | The | outf | low | valve | feed | dback mo | dule for the o | utflow v | valve position in | dicator | | |
| ı | В. | Pre | oare 1 | or th | ne Te | st | | | | | | | | | |
| | | SUBTA | SK 21-3 | 1-00-86 | 0-001 | | | | | | | | | | |
| | | (1) | Do t | his ta | ask: S | 3up | ply Ele | ectric | cal Power | , AMM TASK | 24-22-0 | 00-860-811. | | | |
| | | | SK 21-3 | | | | | | | | | | | | |
| | | (2) | Mak | e sui | re tha | at th | iese ci | rcuit | t breakers | are closed: | | | | | |
| | | | | | | _ | | | nel, P6-4 | | | | | | |
| | | | <u>Ro</u> | | <u>Col</u> | | lumbe | | Name | IDIZATIONIO | ONTO | | | | |
| | | | F F | | 1 3 | | 01273 01270 | | | JRIZATION C JRIZATION C | | | | | |
| | | | F | | 5 | | 01271 | | | JRIZATION C | | | | | |
| | | | F | | 6 | C | 01269 | } | PRESSU | JRIZATION C | ONTRO | OL MANUAL | | | |
| | | | F | | 7 | С | 01272 | 2 | PRESSU | JRIZATION C | ONTRO | OL IND | | | |
| (| C. | Pres | suri | 2atio | n Sy | ste | m Maı | ıual | Mode Te | est | | | | | |
| | | SUBTA | SK 21-3 | 1-00-86 | 0-003 | | | | | | | | | | |
| | | CAL | IOITU | BI PI | EFOF RESS | RE ' | YOU (RIZATI | ON (| TINUE W | ITH THE TES | ST. UNC | | S IS OPEN UTFLOW VALVE | | |
| | | (1) | | | | | | | | or window is d panel are in | • | r that the L and F position. | R PACK | | |
| | | SUBTA | SK 21-3 | | | | | | | | | | | | |
| | | (2) | | the n tion. | node | sel | ector s | switc | ch on the | P5-6 cabin pr | essure | control module | to the MAN | | |
| | | | SK 21-3 | | | | | | | DE 40 : | | | | | |
| | | (3) | Mak | e sui | re the | ∍ M | ANUA | L ligi | ht on the | P5-10 air con | ditionin | ng module come | s on. | | |
| | | | SK 21-3 | | | FC . | مام الناب | 4 | ha D0 aa | -4 i4 | | I to DIM | | | |
| | | (4) | | | | 5 8 | 3WILCH | on t | ne PZ cei | nter instrumei | ıı panei | I to DIM. | | | |
| | | | SK 21-3 | | | M | ۸ ۱ ۱۱۸ ۸ | l lia | ht becom | oe dim | | | | | |
| | | (5) | ivian | e sui | ie uie | 7 IVI | TINOA | Lilgi | iii becoiii | es um. | | | | | |
| | | | | | | | | | | | | | | | |

D633A109-AKS

Page 2 of 7 Jun 15/2015



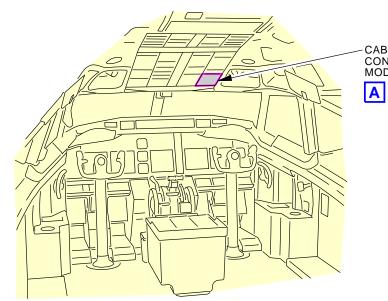


| | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C. 21-060 | | |
|-------|-------------------------|--|----------------|------------------|----------------------------------|---------------------|------|-----|
| eup | TASK 24 24 0 | 0.000.000 | | | | 1 | MECH | INS |
| (6) | TASK 21-31-0 Set the | e LIGHTS switch on | the P2 cent | er instrument p | anel to BRT | | | |
| ` ' | TASK 21-31-0 | | 110 1 2 0011 | or modulinom po | and to Bitti. | | | |
| (7) | | sure the MANUAL lig | aht becomes | s bright. | | | | |
| () | TASK 21-31-0 | _ | , | | | | | |
| | Push a | | | | e pressure control modu | ıle to the | | |
| SUB | TASK 21-31-0 | 0-710-005 | | | | | | |
| (9) | Make | sure the outflow valv | e is fully clo | sed. | | | | |
| SUB | TASK 21-31-0 | 0-710-006 | | | | | | |
| (10) | | sure the needle on the kimately two needle w | | | or the outflow valve is wark. | vithin | | |
| SUB | TASK 21-31-0 | 0-710-007 | | | | | | |
| (11) | | and hold the CLOSE, position until the out | | | e pressure control modu | ıle to the | | |
| SUB | TASK 21-31-0 | 0-710-008 | | | | | | |
| (12) | Make | sure the outflow valv | e is fully op | en. | | | | |
| SUB | TASK 21-31-0 | 0-710-009 | | | | | | |
| (13) | | sure the needle on the simately two needle v | | | or the outflow valve is w ·k. | vithin | | |
| D. Pu | t the Air | plane Back to Its Us | sual Condit | tion | | | | |
| SUB | TASK 21-31-0 | 0-860-037 | | | | | | |
| (1) | | sure the mode selected to the AUTO posite | | n the cabin pres | ssurization control pane | I, P5-6, is | | |
| SUB | TASK 21-31-0 | 0-860-007 | | | | | | |
| (2) | Do this | s task: Remove Elec | trical Power | , AMM TASK 24 | 1-22-00-860-812. | | | |
| | | | — FND OF | TASK ——— | | | | |
| | | | | | | | | |
| | | IVITY | SOURCE | OUTFLOW VAL | | | | |



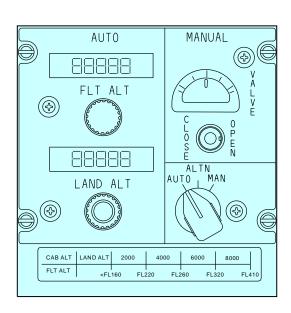
737-600/700/800/900 TASK CARDS

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 21-060-00-01



CABIN PRESSURE CONTROL MODULE

FLIGHT COMPARTMENT



CABIN PRESSURE CONTROL MODULE

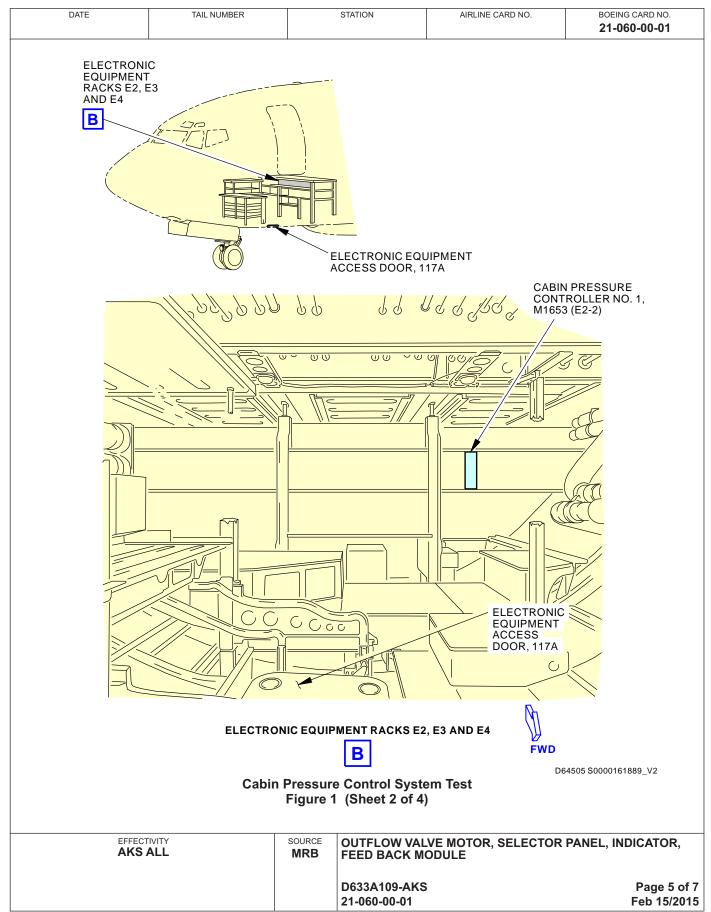


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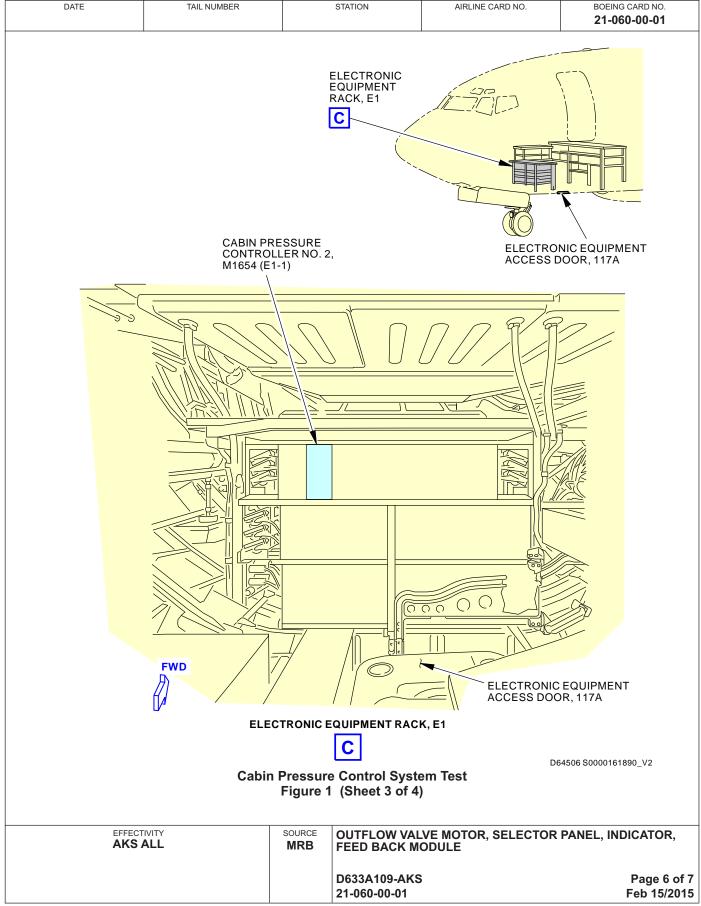
Cabin Pressure Control System Test Figure 1 (Sheet 1 of 4)

| EFFECTIVITY AKS ALL | SOURCE MRB | OUTFLOW VALVE MOTOR, SELECTION BACK MODULE | CTOR PANEL, INDICATOR, |
|------------------------|------------|--|----------------------------|
| | | D633A109-AKS 21-060-00-01 | Page 4 of 7 Feb 15/2015 |

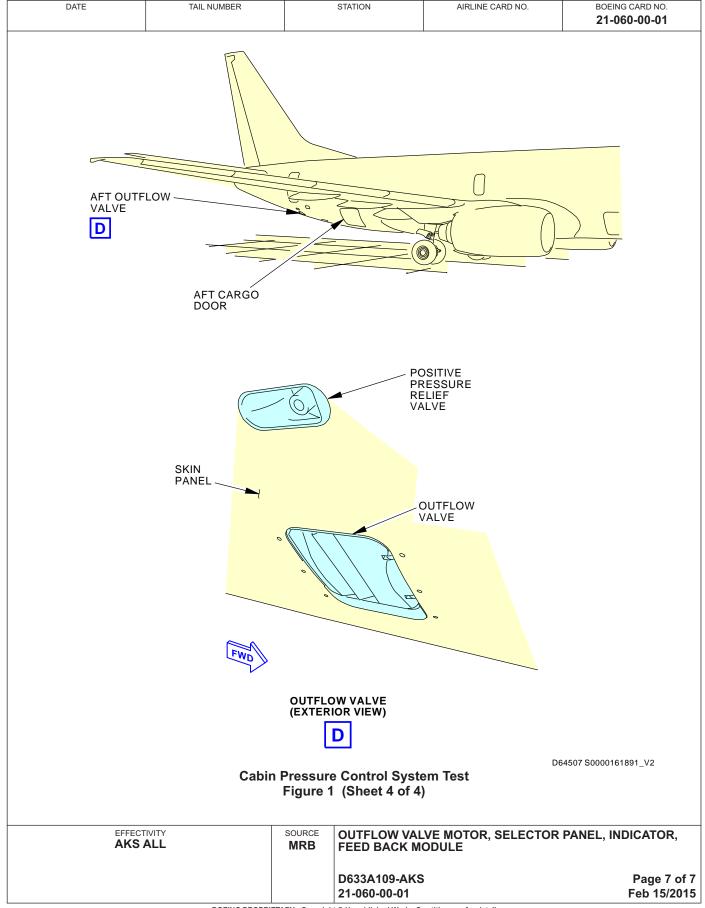
















737-600/700/800/900 TASK CARDS

| AIRLINI | E CARD NO | POSITIVE | PRESSURE RELI | EF VALVES | BOEING 0 21-070 | |
|-------------|---------------------|-------------|--------------------|---------------------------|--------------------|-------------------|
| DATE | TASK FUNCTIONAL | | | | RELATE | D CARD |
| TAIL NUMBER | WORK AREA AFT CARGO | VERSION 1.1 | THRESHOLD 17000 FH | REPEAT 17000 FH | APPLIC AIRPLANE | ABILITY ENGINE |
| STATION | SKILL AIRPL | | | | ALL | ALL |
| | | ACCESS | | | ZONE 146 | |
| | | | | | | |

Functionally check the positive pressure relief valves. (Note: The Boeing and the Hamilton Sundstrand test equipment are equivalent to each other, either test equipment can be used).

A. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

| Reference | Description |
|-----------|---|
| SPL-6692 | Vacuum Tank - Pressure Relief Valve Tester |
| | Part #: A21010-203 Supplier: 81205 Part #: GS15047-1 Supplier: 99167 |
| | Opt Part #: A21010-187 Supplier: 81205 Opt Part #: A21010-188 Supplier: 81205 Opt Part #: A21010-189 Supplier: 81205 Opt Part #: A21010-190 Supplier: 81205 |
| STD-1114 | Air Source - Regulated, Dry, Filtered 0-150 PSIG with Pressure Gauge range 100 PSIG, 1 PSIG increment and +/-1 psi minimum accuracy |

| | Г | 1 | |
|-------------|--------|---------------------------------|-------------|
| EFFECTIVITY | SOURCE | POSITIVE PRESSURE RELIEF VALVES | |
| AKS ALL | MRB | | |
| | | | |
| | | D633A109-AKS | Page 1 of 9 |
| | | 21-070-00-01 | Oct 15/2015 |
| | | 21-070-00-01 | OCI 15/2015 |



| | DATE | | TAIL NUMBER | STATION | AIRLINE CARD NO. | BOEING CAR 21-070-0 | | |
|--|---------|-----------|--|---|--|------------------------------|------|-----|
| TA | SK 2 | 1-32-0 | 1-700-802 | | | N | месн | INS |
| Po | sitive | Press | sure Relief Valve - Syste | m Test with the Use o | of Boeing Test Equipme | nt | | |
| (Fi | igure ' | 1) | | | | | | |
| A. | . Pre | epare 1 | for the Test | | | | | |
| | SUB | | 32-01-210-001 | | | | | |
| | (1) | Mak | ke sure there is no blocka | - | | | | |
| | | (a) | The fuselage skin in the | | | | | |
| | | (b) | The overboard vent tube | e opening in the center | of each relief valve. | | | |
| В. | | | Pressure Relief Valve - | | | | | |
| | NC | | his test can only be done elief valve, then do the tes | | | outboard | | |
| | | | 32-01-480-001 | | | | | |
| | (1) | | these steps to connect the | · | | | | |
| (a) Make sure all the valves on the pressure relief valve tester, SPL-6692 are closed. | | | | | | | | |
| (b) Connect the Regulated Dry Filtered Air Source, STD-1114 to the quick-dis- connection on the pressure relief valve tester, SPL-6692. | | | | | | disconnect | | |
| | | (c) | Adjust the air control va indication on the pressu | | ef valve tester, SPL-6692 (482.6 ±69 kPa). | 2 until the | | |
| | | (d) | Adjust the vacuum regu psi (4.07 inches Hg) (14 | | erential pressure is appro | eximately 2.0 | | |
| | | | (differential pres | | er-clockwise to increase e vacuum regulator valve | | | |
| | | (e) | Put and hold the vacuur head assembly valve. | m head assembly over t | the relief valve, and oper | the vacuum | | |
| | | | 1) Make sure the vac | uum head assembly is | sealed to the airplane sk | in. | | |
| | SUB | TASK 21-3 | 32-01-730-003 | | | | | |
| | (2) | Dot | these steps to find the diff | erential pressure when | the relief valve opens: | | | |
| | | (a) | Adjust the vacuum regu not exceed 2.4 psi/minu | | ation on the vacuum rate | gage does | | |
| | | <u>WA</u> | GAGE INDICAT THE VACUUM I | FUSELAGE WHEN TH ION IS 8.25 PSID (56.8 HEAD ASSEMBLY CAN JRY TO PERSONNEL (| ST BE MANUALLY HELD HE DIFFERENTIAL PRES 88 KPA). WHEN THE VAI I FALL FROM THE FUSE OR DAMAGE TO EQUIP | SSURE LVE OPENS, ELAGE | | |
| | | (b) | When the differential provacuum head assembly | | 5 psid (56.88 kPa), manı | ually hold the | | |
| | | (c) | | | 5 psid (56.88 kPa), adjus itial pressure in 0.05 psi (| | | |

| EFFECTIVITY AKS ALL | SOURCE MRB | POSITIVE PRESSURE RELIEF VALVES | | |
|---------------------|---------------|---------------------------------|-------------------|--|
| | | D633A109-AKS 21-070-00-01 | Page 2 Feb 15/ | |



| DATE | TAIL NUMBER | | STATION | | AIRLINE CARD NO. | BOEING CARD NO. 21-070-00-01 | | |
|-----------|--------------------|---|------------|------------------------------|---|---------------------------------|------------------|------|
| (d | • | op the increase of vac 45 kPa). | cuum for | 10 seconds bety | ween each increase of | 0.05 psid | MECH | INSP |
| (e | e) Co | • | it vacuum | increases of 0. | 05 psid (.345 kPa) until | the relief | | |
| (1 | | Monitor the indication on the differential pressure gage when the relief valve opens. | | | | | | |
| | NO | OTE: The indication the pressure gage v | | | pened is seen on the di to decrease. | fferential | | |
| (g | | ake sure that the valve 2.67 kPa) (17.7 to 18 | | | ressure of 8.69 to 9.09 | psid (59.92 | | |
| | NO | OTE: When the valve | opens th | e differential pre | essure will decrease to | near 0 psid. | | |
| (h | (18 | | sure that | | more than 9.09 psid (6 aks at any of the tubing | | | |
| (i | [′] ap | proximately 7.5 to 7.0 |) psig (51 | .71 - 48.26 kPa | e differential pressure to) (15.04 to 14.02 inches minute) (4.07 inches Ho | s Hg) at a | | |
| | 1) | Make sure the relie | ef valve c | loses. | | | | |
| | | differential | l pressure | | nas closed is seen on the gage stops, and then | | | |
| SUBTASK | 21-32-01-0 | 80-001 | | | | | | |
| ps | | | | | reduce the differential pa/min) (8.14 inches Hg/ | | | |
| SUBTASK 2 | 21-32-01-0 | 80-002 | | | | | | |
| (4) C | lose th | ne vacuum head asse | mbly valv | e and remove t | he vacuum head assen | nbly. | | |
| SUBTASK | | | | | | | | |
| (5) D | o the t | the test for the other relief valve. | | | | | | |
| | | | END OF | TASK ——— | | | | |
| | EFFECTIV AKS AI | | SOURCE MRB | POSITIVE PRES | SSURE RELIEF VALVES | | | |
| | | | | D633A109-AKS 21-070-00-01 | | | Page 3 eb 15/ | |

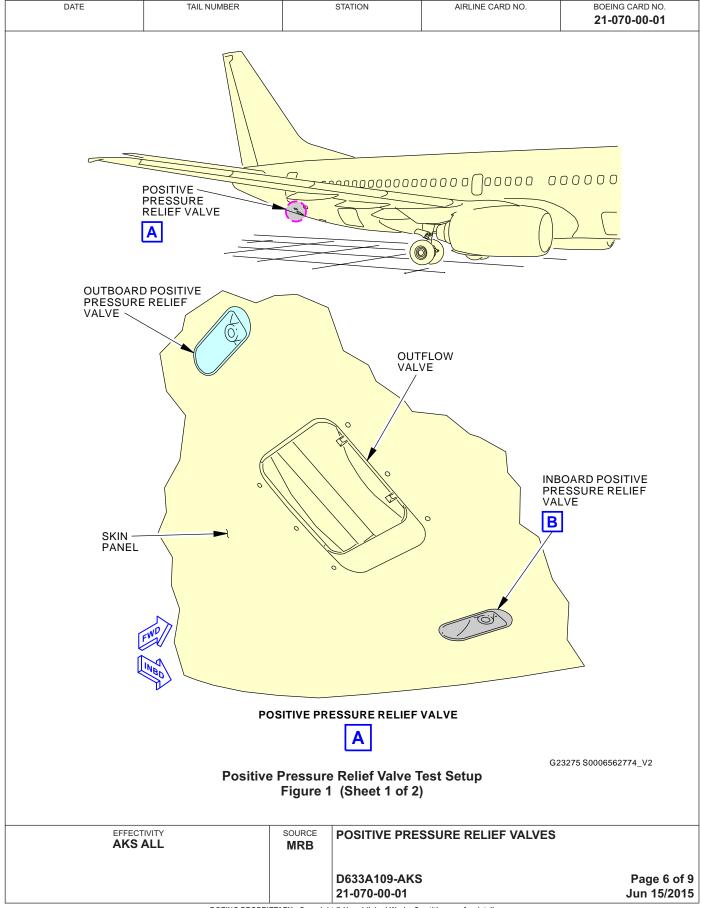


| | DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING CA 21-070- | | | | |
|------|---|--|---------------|-----------------|--|----------------------|------|---|--|--|
| TAG | SK 21-32-0 | 1_700_801 | | | | | MECH | ı | | |
| | Positive Pressure Relief Valve - System Test with the Use of Hamilton Sundstrand Test | | | | | | | | | |
| | uipment | | | | | _ | | | | |
| (Fig | jure 2) | | | | | | | | | |
| A. | Prepare | for the Test | | | | | | | | |
| | | 32-01-840-002 | | | | | | | | |
| | (1) Mal | ke sure there is no bloc | • | | | | | | | |
| | (a) | The fuselage skin in t | | | | | | | | |
| | (b) | The overboard vent to | ube opening | in the center | of each relief valve. | | | | | |
| | SUBTASK 21- | | | | alva taataa ODL CCCC | | | | | |
| | , , | se the pressure regulat | or on the pr | essure reliet v | alve tester, SPL-6692. | | | | | |
| | SUBTASK 21-32-01-840-001 (3) Connect the Regulated Dry Filtered Air Source, STD-1114 to the pressure regulator of the | | | | | | | | | |
| | . , | ssure relief valve tester | | | TITH to the presente regular | 01 01 1110 | | | | |
| В. | Positive | Pressure Relief Valve | - System 1 | Test . | | | | | | |
| | | | - | | time. Do the test on the outb | oard | | | | |
| | relief valve, then do the test again on the inboard relief valve. | | | | | | | | | |
| | SUBTASK 21-32-01-730-001 | | | | | | | | | |
| | (1) Do these steps to do a test of the positive pressure relief valve: | | | | | | | | | |
| | (a) Put the pressure relief valve tester, SPL-6692 on the relief valve on the fuselage. | | | | | | | | | |
| | (b) | Put the locating cross the deflector tube on | | | | ard of | | | | |
| | | | | | at the test fixture gasket is no | t on the | | | | |
| | | opening in th | | | ar are toot made gaener or ne | | | | | |
| | (c) | Open the air pressure start the flow of air. | e regulator o | on the pressur | e relief valve tester, SPL-669 | 2 to | | | | |
| | (d) | | | | lication on the vacuum gage | | | | | |
| | | increases 2.21 psi/mi 7.76 psia (53.50 kPa) | | kPa/minute) ι | until the vacuum gage shows | | | | | |
| | 10/0 | • • • | | FOT FIVEUR | | _ | | | | |
| | WA | | | | E AGAINST THE FUSELAGE AUSE THE TEST FIXTURE 1 | | | | | |
| | | | | | D DAMAGE TO EQUIPMEN | | | | | |
| | (e) | When the vacuum ga | ge shows 7 | .76 psia (53.5 | 0 kPa), manually hold the tes | t fixture | | | | |
| | | against the airplane f | uselage. | | | | | | | |
| | (f) | | | | 0 kPa), adjust the air pressure | е | | | | |
| | (a) | regulator to increase | | | .34 kPa) increments. etween each increase of 0.05 | nci | | | | |
| | (g) | (0.34 kPa). | vacuum ioi | TO Seconds be | etween each increase of 0.00 | μδι | | | | |
| | | | | | | | | | | |
| | | | | | | | | L | | |

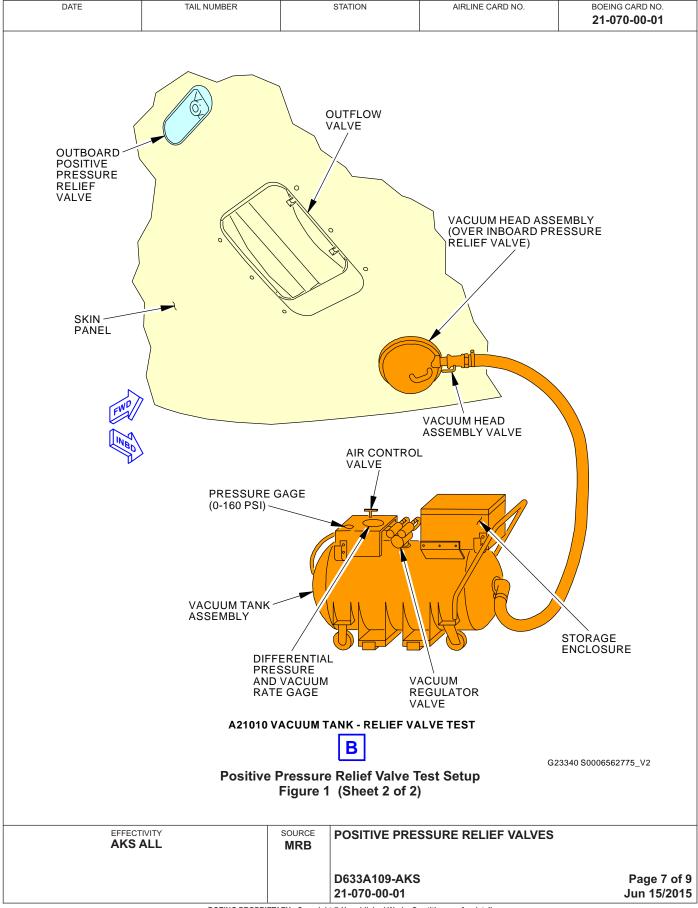


| DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING 0 21-070 | | |
|--------------|--|--------------|--------------------|--|--------------------|--------|------|
| (h) | Continue the intermitte opens as noted by the | | | 05 psi (0.34 kPa) until | the valve | MECH | INS |
| | , | easing, the | en suddenly dec | curs when the vacuum reases slightly, then in | | | |
| (i) | Monitor the indication | on the vac | uum gage when | the valve opens. | | | |
| (j) | Make sure the valve of (17.7 to 18.5 inches H | • | een 8.69 psia (5 | 9.92 kPa) to 9.09 psia | (62.67 kPa) | | |
| (k) | If the pressure relief va 9.09 psia (62.67 kPa) (anywhere on the valve | (18.5 inche | es of Hg), make | | | | |
| (1) | Adjust the vacuum reg approximately 7.5 psid at a rate not more than Hg/minute). | l (51.7 kPa | i) to 7.0 psid (48 | .3 kPa) (15.04 to 14.02 | 2 inches Hg) | | |
| | 1) Make sure the re | lief valve o | closes. | | | | |
| | differenti | al pressure | | nas closed is seen on t ne gauge stops, and the | | | |
| (m) | (m) Adjust the air pressure regulator to reduce the indication on the vacuum gage to 0 psig (0 kPa) (0 inches Hg) at a rate of 4.0 psig/minute (27.58 kPa/minute) (8.14 inches Hg/minute) or slower. | | | | | | |
| (n) | Close the pressure reg | gulator on t | the pressure reli | ef valve tester, SPL-66 | 92. | | |
| (0) | Remove the pressure | relief valve | tester, SPL-669 | 92 from the airplane. | | | |
| (p) | Disconnect the Regulated Dry Filtered Air Source, STD-1114 from the pressure regulator. | | | | | | |
| SUBTASK 21-3 | | | | | | | |
| (2) Do t | the test for the other relie | ef valve. | | | | | |
| | | - END OF | TASK ——— | | | | |
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| | | | | | | | |
| | ECTIVITY (S ALL | SOURCE | POSITIVE PRES | SSURE RELIEF VALVES | | | |
| An | ALL | MRB | D633A109-AKS | | | Page 5 | 5 of |
| | | | 21-070-00-01 | | | eb 15/ | |

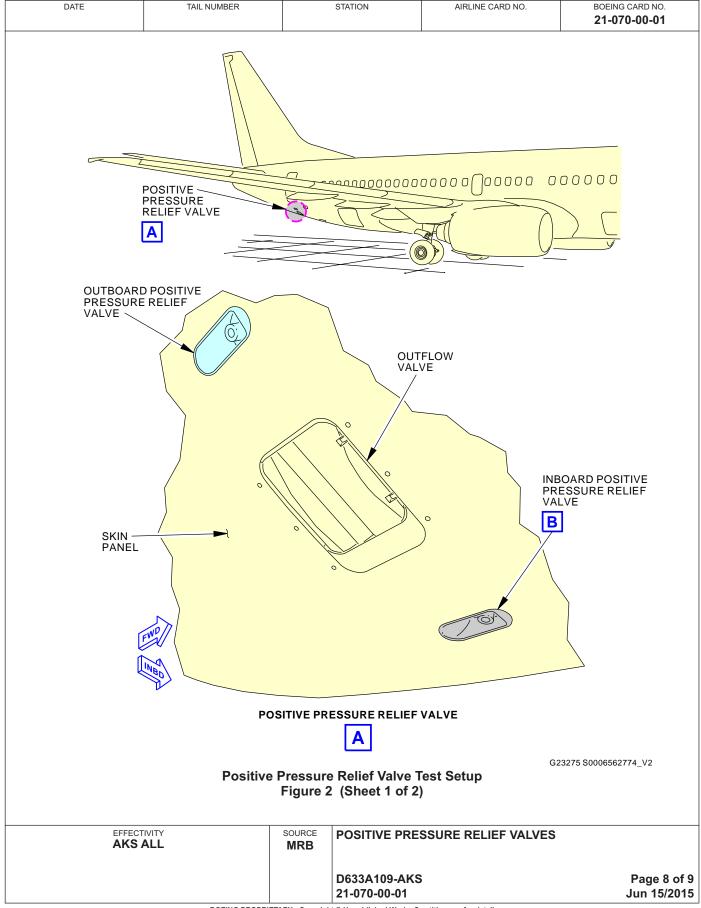




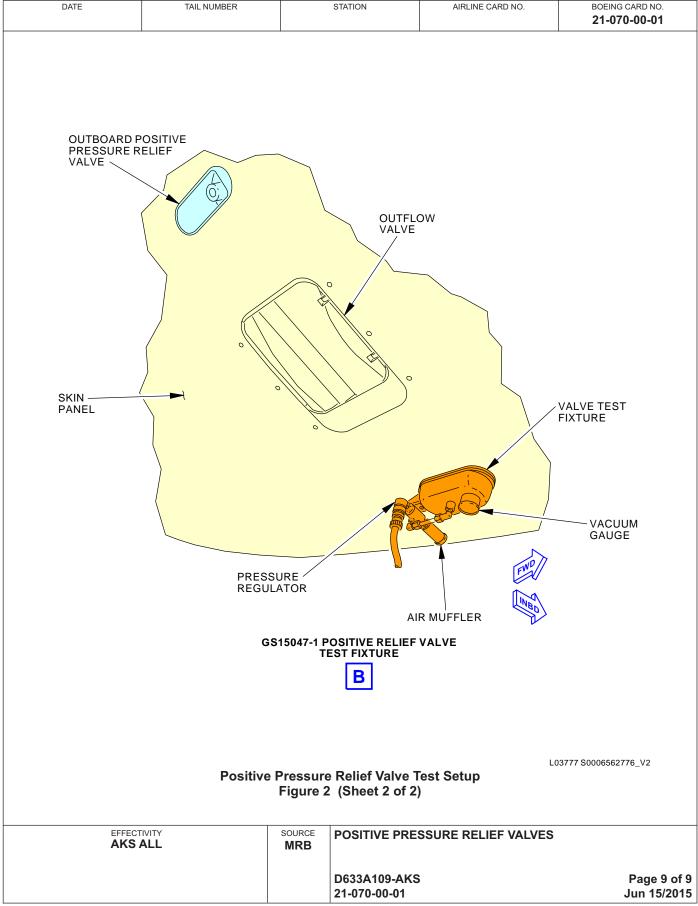
















737-600/700/800/900 TASK CARDS

| AIRLINE | CARD NO | POSITIVE PRE | TITLE SSURE RELIEF V | BOEING CARD NO. 21-080-00-01 | | |
|-------------|----------------------|--------------|-------------------------|---------------------------------|-----------------|-------------------|
| DATE | TASK REPLACE | | | | RELATE | D CARD |
| TAIL NUMBER | WORK AREA AFT CARGO | VERSION 1.1 | THRESHOLD 2000 FH | REPEAT 20000 FH | APPLIC. | ABILITY ENGINE |
| STATION | SKILL AIRPL | | | | ALL | ALL |
| | | ACCESS | | | ZONE 146 | |
| | | | | | | |

Replace the positive pressure relief valve filters.

A. References

| Reference | Title |
|----------------------|---|
| AMM 25-52-19-000-801 | Aft Cargo Compartment Aft Bulkhead Liner - Removal (P/B 401) |
| AMM 25-52-19-400-801 | Aft Cargo Compartment Aft Bulkhead Liner - Installation (P/B 401) |
| AMM 38-11-01-000-801 | Water Tank Removal (P/B 401) |
| AMM 38-11-01-400-801 | Water Tank Installation (P/B 401) |
| | |

| EFFECTIVITY AKS ALL | SOURCE MRB | POSITIVE PRESSURE RELIEF VALVES FILTERS | |
|---------------------|---------------|---|----------------------------|
| | | D633A109-AKS 21-080-00-01 | Page 1 of 5 Oct 15/2014 |

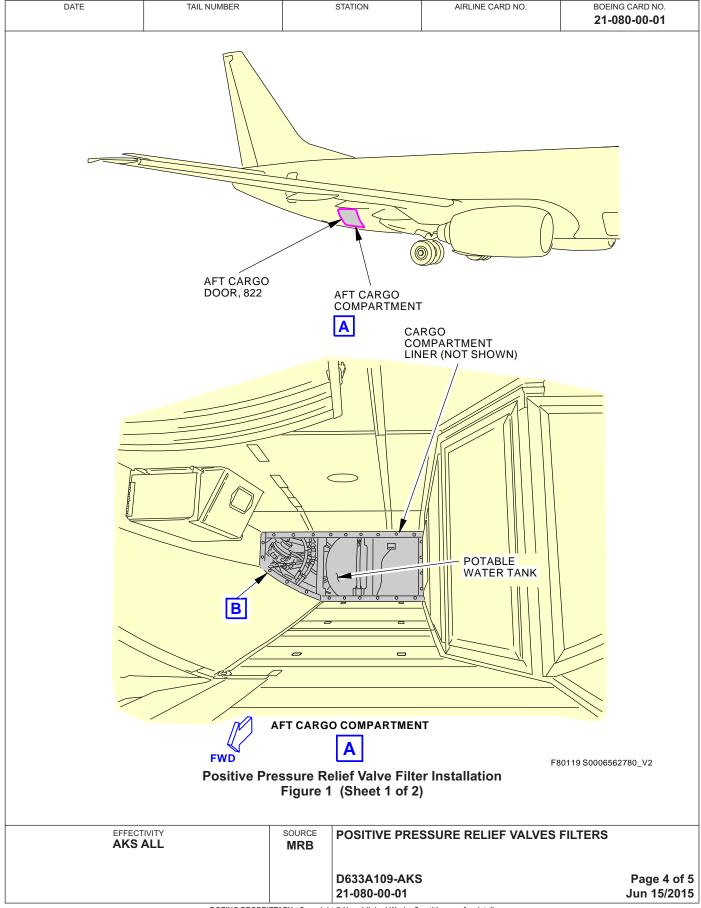


| | [| DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | | | |
|----|-------|---|-------------|--------------------------|--------------|------------------------------|---------------------------|---------|------|----------|
| | | | | | | | | 21-080 | | INICD |
| | | | | | | | | | MECH | INSP |
| 1. | | | | re Relief Valve Filter | Removal | | | | | |
| | (Figi | TASK 21-32-02-000-801 Positive Pressure Relief Valve Filter Removal Figure 1) A. Prepare for the Removal SUBTASK 21-32-02-010-001 (1) Remove the cargo compartment liner on the aft bulkhead of the aft cargo compartment to get access to the relief valves. To remove the aft bulkhead liner, do this task: Aft Cargo Compartment Aft Bulkhead Liner - Removal, AMM TASK 25-52-19-000-801. SUBTASK 21-32-02-010-004 (2) If necessary, you can remove the potable water tank to gain access to the inboard relief valve filter, do this task: (Water Tank Removal, AMM TASK 38-11-01-000-801). | | | | | | | | |
| | A. | Pre | oare for | r the Removal | | | | | | |
| | | | | | C.P | | | | | |
| | | (1) | get ac | cess to the relief valve | es. To rem | ove the aft bulkh | nead liner, do this task: | | | |
| | | TASK 21-32-02-000-801 Positive Pressure Relief Valve Filter Removal (Figure 1) A. Prepare for the Removal SUBTRASK 21-32-02-6091 (1) Remove the cargo compartment liner on the aft bulkhead of the aft cargo compartment to get access to the relief valves. To remove the aft bulkhead liner, do this task: Aft Cargo Compartment Aft Bulkhead Liner - Removal, AMM TASK 25-52-19-000-801. SUBTRASK 21-32-02-60949 (2) If necessary, you can remove the potable water tank to gain access to the inboard relief valve filter, do this task: (Water Tank Removal, AMM TASK 38-11-01-000-801). B. Positive Pressure Relief Valve Filter Removal SUBTRAST 21-32-02-09-902 (2) Remove and discard the filter [3] and the packing [2]. ——————————————————————————————————— | | | | | | | | |
| | | | If nece | essary, you can remov | | | | | | |
| | В. | Pos | itive Pr | essure Relief Valve I | Filter Rem | noval | | , | | |
| | | | | | | | | | | |
| | | (1) | Remo | ve the cover [4] from t | he top of t | he positive pres | sure relief valve [1]. | | | |
| | | SUBTA | ASK 21-32-0 | 2-020-002 | | | | | | |
| | | (2) | Remo | ve and discard the filte | er [3] and t | the packing [2]. | | | | |
| | | | | | - END OF | TASK | | | | |
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| | | | | | | POSITIVE PRES | SSURE RELIEF VALVES | FILTERS | | <u> </u> |
| | | | | | | D633A109-AKS 21-080-00-01 | | | | |

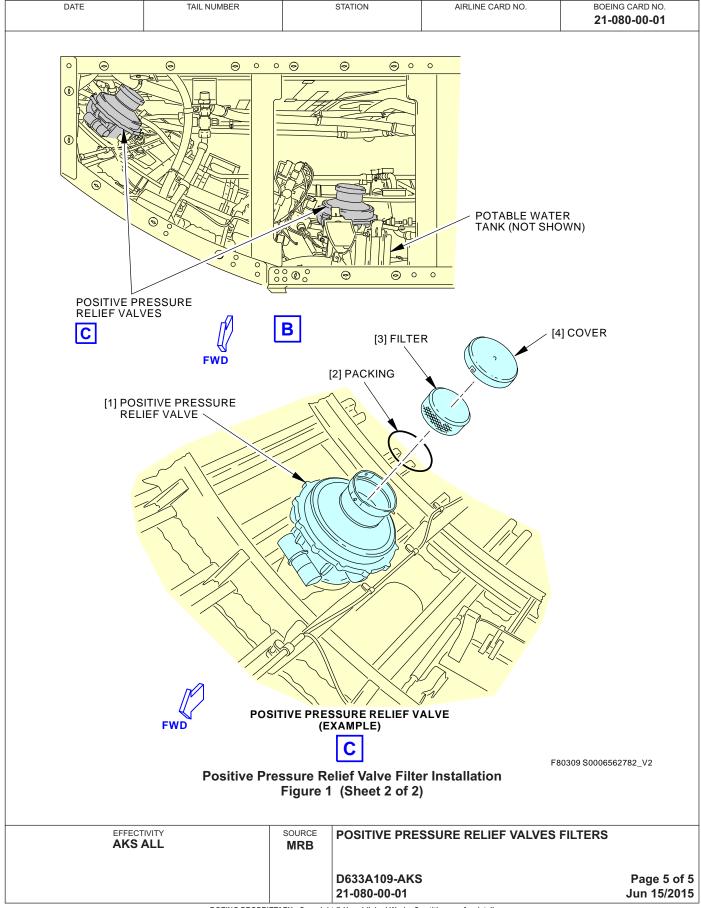


| | [| DATE | TAIL NUMBER | | STATION | AIR | LINE CARD NO. | | CARD NO.)-00-01 | | | |
|----|------|--|---|-------------|---|----------|-------------------|------------|----------------------------|-----|--|--|
| | TAS | K 21-32-02-4 | 00-801 | ' | | | | | MECH | INS | | |
| 2. | Pos | itive Pressur | e Relief Valve Filter II | nstallatio | <u>on</u> | | | | | | | |
| | (Fig | ure 1) | | | | | | | | | | |
| | A. | Expendable | s/Parts | | | | | | | | | |
| | | AMM Item | Description | | AIPC Refe | rence | AIPC Effective | rity | | | | |
| | | 2 | Packing | | 21-32-01-0 | 1-020 | AKS ALL | | | | | |
| | | 3 | Filter | | 21-32-01-0 | | AKS ALL | | | | | |
| | | 4 | Cover | | 21-32-01-0 | 1-015 | AKS ALL | | | | | |
| | В. | Procedure | | | | | | | | | | |
| | | SUBTASK 21-32-02- | | | | | | | | | | |
| | | | a new filter [3] and pac | king [2] ii | n the top of the | positive | pressure relief | valve [1]. | | | | |
| | | SUBTASK 21-32-02- | | 411.11 | | | | | | | | |
| | _ | . , | and turn the cover [4] u | | | | | | | | | |
| | C. | Put the Airp | lane Back to its Usua | al Condit | tion | | | | | | | |
| | | subtask 21-32-02-410-004 (1) If the potable water tank was removed, do this task: (Water Tank Installation, AMM | | | | | | | | | | |
| | | | otable water tank was 38-11-01-400-801). | removed | i, do this task: (\ | vater la | ink installation, | AMM | | | | |
| | | SUBTASK 21-32-02- | | | | | | | | | | |
| | | (2) To install the aft bulkhead liner, do this task: Aft Cargo Compartment Aft Bulkhead Liner - Installation, AMM TASK 25-52-19-400-801. | | | | | | | | | | |
| | | ——— END OF TASK ——— | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | EFFECTI AKS A | | SOURCE MRB | POSITIVE PRES D633A109-AKS 21-080-00-01 | | RELIEF VALVES | | Page 3 | | | |













737-600/700/800/900 TASK CARDS

| AIRLINI | AIRLINE CARD NO | | NEGATIVE PRESSURE RELIEF DOOR | | | BOEING CARD NO. 21-090-00-01 | | |
|-------------|---------------------|-------------|-------------------------------|-----------------|--------------------|---------------------------------|--|--|
| DATE | TASK FUNCTIONAL | | | | RELATE | D CARD | | |
| TAIL NUMBER | WORK AREA AFT CARGO | VERSION 1.1 | THRESHOLD 10 YR | REPEAT 10 YR | APPLIC AIRPLANE | ABILITY ENGINE | | |
| STATION | SKILL AIRPL | | | | ALL | ALL | | |
| | | ACCESS | | | ZONE 146 | | | |
| | | | | | | | | |

Functionally check the negative pressure relief door.

A. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

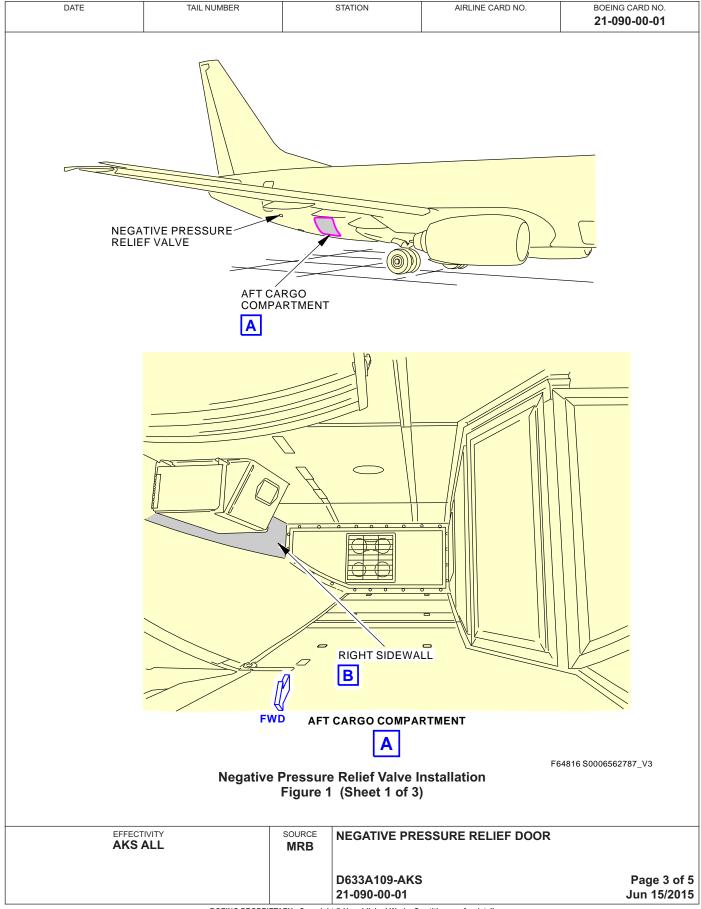
| Reference | Description |
|-----------|---|
| STD-753 | Scale - Push/Pull, 0-25 pound (0-11 kilogram) Capacity, 1/4 pound (113 gram) Accuracy |

| EFFECTIVITY AKS ALL | SOURCE MRB | NEGATIVE PRESSURE RELIEF DOOR | |
|---------------------|------------|-------------------------------|----------------------------|
| | | D633A109-AKS 21-090-00-01 | Page 1 of 5 Feb 15/2015 |

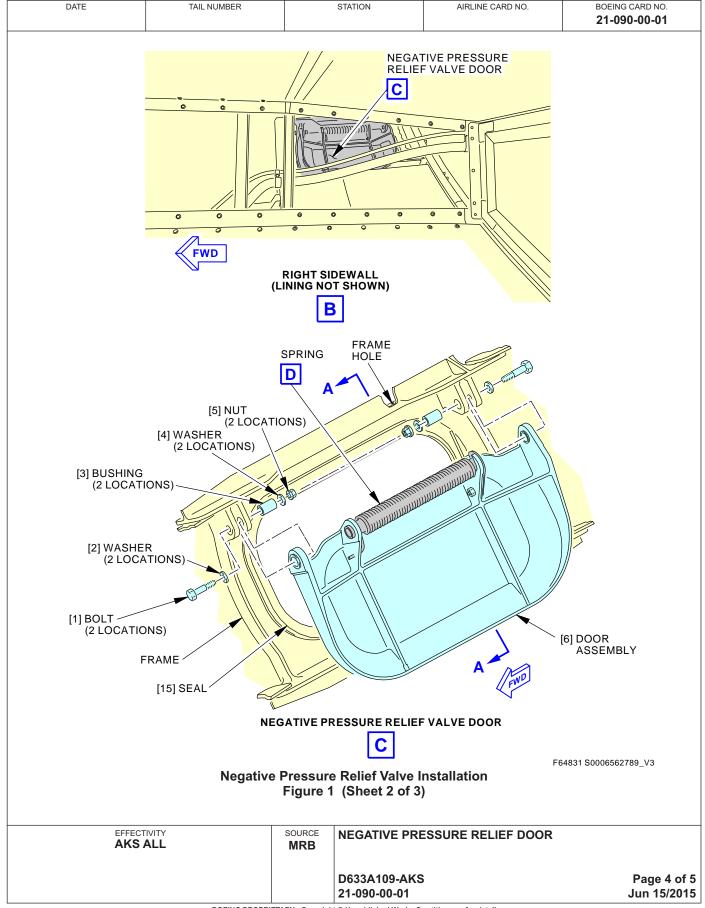


| | | DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | | CARD NO.)-00-01 | |
|----|-----|-------|----------|---|--------------|-----------------------|--|--------------|----------------------------|-----|
| | TAS | K 21- | 32-03 | -700-801 | | | | • | MECH | INS |
| 1. | Neg | ative | Press | sure Relief Valve Adju | ustment/Te | <u>est</u> | | | | |
| | A. | Pro | edur | е | | | | | | |
| | | SUBTA | SK 21-32 | 2-03-480-001 | | | | | | |
| | | (1) | | he external surface of ram), STD-753 agains | | | pull scale 0-25 pound (in View A-A Figure 1. | 0-11 | | |
| | | | (a) | | ve door an | d 2.92 ± 0.20 inc | m), STD-753 at approxi ches (74.2 ± 5.1 mm) a | | | |
| | | SUBTA | SK 21-32 | 2-03-720-002 | | | | | | |
| | | (2) | | rly push the push/pull se door. | scale 0-25 p | oound (0-11 kilo | gram), STD-753 agains | t the relief | | |
| | | | (a) | Keep the push/pull so 90° angle to the relief | | , - | ram), STD-753 at appro | oximately a | | |
| | | | | 2-03-720-003 | | | | | | |
| | | (3) | | | | | e push/pull scale 0-25 17.8 and 35.8 newtons | | | |
| | | | | 2-03-720-004 | | | | | | |
| | | (4) | Cont | inue to push the relief | | • | | | | |
| | | | (a) | Make sure the door m | noves smoo | othly without any | binding. | | | |
| | | SUBTA | | 2-03-720-005 | | | | | | |
| | | (5) | | 10.5 pounds (35.8 and | | | am), STD-753 shows belief valve door is in the | | | |
| | | | NOT | <u>E</u> : The door will be at | an 80° ang | gle in the full ope | en position. | | | |
| | | SUBTA | | 2-03-720-006 | | | | | | |
| | | (6) | Slow | ly release the relief va | lve door un | itil it is in the clo | sed position. | | | |
| | | | | 2-03-080-001 | | | | | | |
| | | (7) | Rem | ove the push/pull scale | e 0-25 pour | nd (0-11 kilograr | n), STD-753. | | | |
| | | | | | — END OF | TASK ——— | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | CTIVITY S ALL | SOURCE MRB | NEGATIVE PRE | SSURE RELIEF DOOR | | | |
| | | | | | | D633A109-AKS | | I | Page 2 Feb 15/ | |

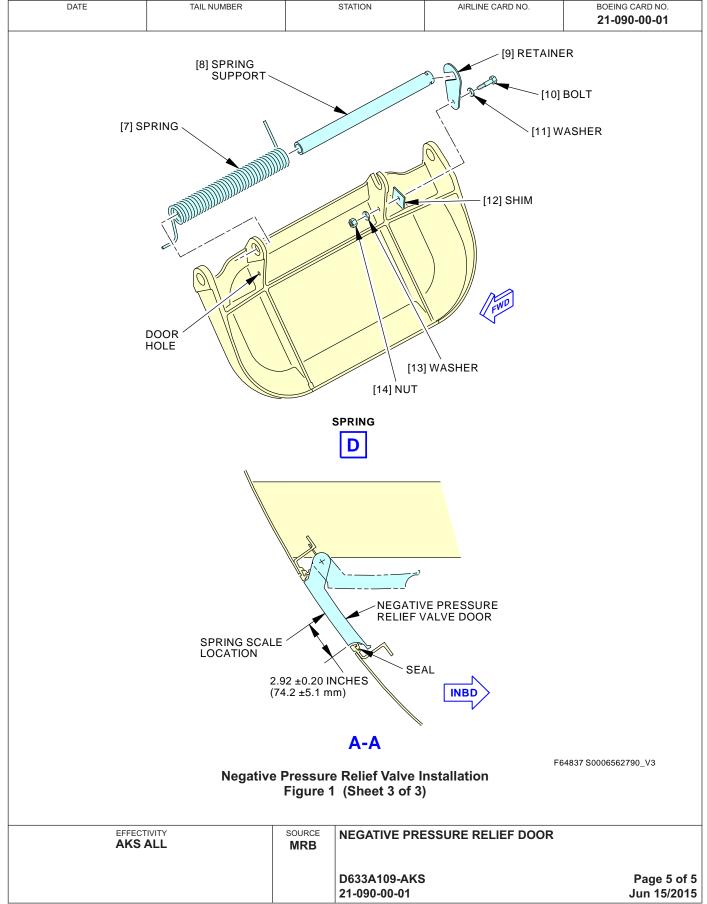
















737-600/700/800/900 TASK CARDS

| AIRLINE | AIRLINE CARD NO | | PRIMARY AND SECONDARY HEAT EXCHANGERS | | | BOEING CARD NO. 21-100-00-01 | | |
|-------------|-----------------------|--------------------------|---------------------------------------|--------------------------|-----------------|---------------------------------|--|--|
| DATE | TASK RESTORE | | | | RELATE | D CARD | | |
| TAIL NUMBER | WORK AREA AC DIST BAY | VERSION 1.1 | THRESHOLD 2000 FC | REPEAT 2000 FC | APPLICABILITY | | | |
| STATION | SKILL AIRPL | | | | AIRPLANE ALL | ALL | | |
| | | ACCESS 192BL 192BR 19 | 92CL 192CR 192DF | ł | ZONE 131 132 | | | |
| | | | | | | | | |

Clean the primary and secondary heat exchangers.

A. References

| Reference | Title |
|----------------------|--|
| AMM 21-00-00-800-803 | Supply Conditioned Air with a Cooling Pack (P/B 201) |
| AMM 21-00-00-800-804 | Remove Conditioned Air Supplied by a Cooling Pack (P/B 201) |
| AMM 21-51-24-000-801 | Ram Air Ducts Removal (P/B 401) |
| AMM 21-51-24-400-801 | Ram Air Ducts Installation (P/B 401) |
| AMM 24-22-00-860-812 | Remove Electrical Power (P/B 201) |
| AMM 36-00-00-860-803 | Supply Pressure to the Pneumatic System with the APU (P/B 201) |
| AMM 36-00-00-860-806 | Remove Pressure from the Pneumatic System (P/B 201) |

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

| Reference | Description |
|-----------|---|
| SPL-13921 | Backflush Equipment - Bleed Air Hose |
| | Part #: C21003-135 Supplier: 81205 |
| SPL-1607 | Equipment - Backflush, A/C Pack Heat Exchanger |
| | Part #: C21003-155 Supplier: 81205 Part #: C21003-156 Supplier: 81205 Opt Part #: C21003-133 Supplier: 81205 Opt Part #: C21003-134 Supplier: 81205 Opt Part #: C21003-80 Supplier: 81205 Opt Part #: C21003-81 Supplier: 81205 Opt Part #: C21003-82 Supplier: 81205 |
| SPL-2462 | Deactivator - Check Valve |
| | Part #: C21006-7 Supplier: 81205 Opt Part #: C21006-1 Supplier: 81205 Opt Part #: PF80-012-500 Supplier: 053H3 |
| STD-3926 | Water Source - Cold, Regulated, 0 to 60 PSIG |

| EFFECTIVITY AKS ALL | SOURCE MRB | PRIMARY AND SECONDARY HEAT EXCHANGERS | S |
|---------------------|------------|---------------------------------------|-----------------------------|
| | | D633A109-AKS 21-100-00-01 | Page 1 of 11 Jun 15/2016 |



| | DATE | | TAIL NUMBER | STATION | AIRLINE CARD NO. | BOEING CARD NO 21-100-00-01 | | |
|-----|-----------------------------|------------------------|--|--|-------------------------------------|--------------------------------|------|--|
| TAS | SK 21- | ·51-03-000-8 | | | | MECH | I IN | |
| | | | | Assembly Cleaning | | | | |
| | jure 1) | | | | | | | |
| A. | Gen | eral | | | | | | |
| | (1) | | _ | r source or airplane p r, you must operate th | oneumatic air to do this prone APU. | ocedure. If | | |
| В. | B. Prepare for the Cleaning | | | | | | | |
| | SUBTA | SK 21-51-03-040-0 | 01 | | | | | |
| | (1) | | | witches on the P5-10 PERATE tags on the | Air Conditioning Panel to switches. | the OFF | | |
| | SUBTA | SK 21-51-03-860-0 | | | | | | |
| | (2) | Set the ISC position. | DLATION VALVE sw | ritch on the P5-10 air | conditioning panel to the | OPEN | | |
| | | SK 21-51-03-010-0 | | | | | | |
| | (3) | _ | • | heat exchangers, do | this step: | | | |
| | | • | access panel: | | | | | |
| | | Number 192CL | Name/Location ECS Access Doo | r | | | | |
| | | Remove th | is access panel: | | | | | |
| | | <u>Number</u> | Name/Location | | | | | |
| | | 192BL | ECS Ram Air Inle | t Mixing Duct Panel - | Forward | | | |
| | | SK 21-51-03-010-0 | | L. Lever L. C. Lever L. C. C. Lever L. Lever L. C. Lever L. Lever L. C. Lever L. C. Lever L. Lev | . (1.2) (| | | |
| | (4) | · · | • . | k heat exchangers, d | o this step: | | | |
| | | Number | Name/Location | | | | | |
| | | 192DR | ECS High Pressu | ire Access Door | | | | |
| | | | access panel: | | | | | |
| | | Number | Name/Location | | | | | |
| | | 192CR | ECS Access Doo | r | | | | |
| | | Remove th | is access panel: | | | | | |
| | | <u>Number</u> | Name/Location | | | | | |
| | | 192BR | ECS Ram Air Inle | et Mixing Duct Panel - | Forward | | | |
| | SUBTA | SK 21-51-03-010-0 | 03 | | | | | |
| | (5) | Remove th ram air inle | | hers that attach the ra | am air inlet duct access pa | anel to the | | |
| | | SK 21-51-03-010-0 | | _ | | | | |
| | (6) | | e ram air inlet duct | • | | | | |
| | | | u must remove the the ram air inlet duc | | the cleaning water will not | accumulate | | |
| | | EFFECTIVITY | <u> </u> | SOURCE PRIMARY AN | ID SECONDARY HEAT EXC | HANCERS | | |

| AKS ALL | MRB | PRIMARY AND SECONDARY HEAT EXCHANGE | KS |
|---------|-----|-------------------------------------|-----------------------------|
| | | D633A109-AKS 21-100-00-01 | Page 2 of 11 Feb 15/2015 |



| DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C 21-100 | | |
|-------|-------------|---|----------------|------------------|---|--------------------|------|-----|
| SUBT# | SK 21-5 | 1-03-010-005 | | | | | MECH | INS |
| (7) | | | | • | m/diffuser access panels ndary heat exchangers. | to the | | |
| SUBTA | SK 21-5 | 1-03-020-001 | | | | | | |
| (8) | Rem pane | | , and nut tha | at attach the bo | onding jumper to the forw | ard access | | |
| SUBTA | NSK 21-5 | 1-03-010-006 | | | | | | |
| (9) | Rem | nove the plenum/diffus | er access pa | anels and the o | gaskets. | | | |
| SUBTA | SK 21-5 | 1-03-480-006 | | | | | | |
| (10) | To ir | nstall the backflusher, | SPL-1607 h | eat exchanger | cleaning heads, do these | e steps: | | |
| | (a) | Install the backflush | units (cleani | ng heads) in th | nese locations: | | | |
| | | The applicable exchanger or th | | | lean the left pack primary at exchanger. | heat | | |
| | | The applicable exchanger or the content of the | | | lean the left pack second exchanger. | ary heat | | |
| | CAL | YOU INSTALL | THE CLEA | NING HEADS | UM/DIFFUSER ASSEME OF THE HEAT EXCHAN JM/DIFFUSER ASSEMBI | NGER. YOU | | |
| | (b) | - | mbly so that | - | g head into the access ho ne supply tubes point tow | | | |
| | CAL | | | | THE CLEANING HEAD T MAGE TO THE PLENUI | | | |
| | (c) | Carefully tighten the cleaning head just m | | | ad so that the rubber sea plenum/diffuser. | als of the | | |
| | (d) | Do the above steps a | again to insta | all the cleaning | head for the other heat | exchanger. | | |
| SUBT# | SK 21-5 | 1-03-480-008 | | _ | | | | |
| (11) | | e SPL-1607 backflusho they are closed. | er has a wat | er supply valve | e and air supply valve, m | ake sure | | |
| | NOT | Not all configuration and air supply value. | | ackflush equipr | ment have the water supp | oly valve | | |
| SUBTA | SK 21-5 | 1-03-480-011 | | | | | | |
| (12) | Insta | all plastic sheeting to s | eal off the p | lenum/diffuser | as follows: | | | |
| | (a) | Remove the two clan aft end of the plenum TASK 21-51-24-000- | n/diffuser and | | duct between the elbow xhaust duct (AMM | duct at the | | |
| | (b) | Remove the flexible | duct. | | | | | |
| | (c) | Install a piece of plas attached to the aft er | | | pening of the elbow duct | that is | | |
| | EFFE | ECTIVITY S ALL | SOURCE | PRIMARY AND | D SECONDARY HEAT EXC | HANGERS | | |



| DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C 21-100 | |
|------|----------|---|---|--|--|------------------------------------|----------------------|
| | (d) | Secure the plastic she used to install the flex | | e end of the elbo | ow duct with the clamps | that are | MECH IN |
| SUBT | ASK 21-5 | I-03-940-002 | | | | | |
| (13) | | nect the water line of the same | | - | cold water source, STD | -3926, to the | |
| | (a) | Do not start the flow of | of water at t | his time. | | | |
| SUBT | ASK 21-5 | I-03-941-001 | | | | | |
| (14) | | nese steps if you want angers: | to use the | airplane APU pn | eumatic air to back flus | sh the heat | |
| | (a) | Open this access pan | iel: | | | | |
| | | Number Name/L | <u>ocation</u> | | | | |
| | | 192DR ECS Hig | h Pressure | Access Door | | | |
| | (b) | Look at the dual duct sure that there is no p | | | 5-10 air conditioning pa ystem. | anel to make | |
| | | If there is pressure follows: | ure in the pi | neumatic systen | n, then remove the pres | ssure as | |
| | | • | p: Remove 10-00-860-8 | | he Pneumatic System, | AMM | |
| | (c) | Do the two steps that the backflush equipme | | e same time to | prepare to supply pneu | matic air to | |
| | | SURFAC FITTING THE PAC PROCEI | CES WHEN SS. THE GR CKS HAVE DURE. YOU | YOU CONNEC COUND AIR COI BEEN OPERAT | YOU PROTECTION FF T OR DISCONNECT P NNECTOR CAN BE VE ED IMMEDIATELY BE BURN YOUR HANDS IF INECTOR. | NEUMATIC RY HOT IF FORE THIS | |
| | | Install the deaction the check valve | | -2462, in the gro | ound pneumatic connec | tor to hold | |
| | | Connect the blee equipment to the | _ | | pplied with the backflustor. | sh | |
| | | NOTE: The air l | hose conne | ctor holds the d | eactivator, SPL-2462, i | n position. | |
| | (d) | | | | st connected to the gro | | |
| | | pneumatic connector | to the air in | let fitting on the | backflush equipment a | ir hose. | |
| | | I-03-941-002 | | | | | |
| (15) | If yo | | | | the heat exchangers, | • | |
| | (a) | Connect the ground p equipment. | neumatic a | ir supply line to | the air inlet fitting on th | e backflush | |
| | | CTIVITY S ALL | SOURCE MRB | PRIMARY AND | SECONDARY HEAT EXC | CHANGERS | |
| | | | | D633A109-AKS 21-100-00-01 | | | age 4 of un 15/20 |
| | | DOEWO DDOD | | L | | | |



737-600/700/800/900 TASK CARDS

| DATE | | | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING CARD NO. 21-100-00-01 | | |
|---------------------|---|--|--------------|-------------------------------------|---------------|-----------------------------|--|---------------------------------|-------|----|
| C. | Heat Exchanger Cleaning | | | | | | | | | IN |
| | SUBTASK 21-51-03-020-002 | | | | | | | | | |
| | CAUTION: DO NOT USE SOAP OR A DETERGENT SOLUTION TO CLEAN THE HEAT EXCHANGERS. USE COLD WATER ONLY. SOAP OR A DETERGENT SOLUTION CAN CAUSE DAMAGE TO THE AIR CYCLE MACHINE. | | | | | | | | | |
| | (1) Use the backflusher, SPL-1607 to clean the heat exchanger: | | | | | | | | | |
| | , , | NOTE: You must do these steps for each of the heat exchangers. | | | | | | | | |
| | | (a) | Conne | ct the air hose | to the clear | ning head. | | | | |
| | | (b) | Conne | ct the water su | pply hose to | the cleaning h | ead. | | | |
| | | (c) | If you a | are using airpla | ine pneuma | tic system air fo | or the air source, do this | step: | | |
| | | | | o this task:Sup ASK 36-00-00- | | re to the Pneum | natic System with the Al | PU, AMM | | |
| | | (d) | If you a | are using grour | nd pneumati | ic air for the air | source, do this step: | | | |
| | | | CAUTI | PRESSU CAN CAI | IRE TO THE | HEAT EXCHA | PSIG OF GROUND AII NGERS. TOO MUCH F EAT EXCHANGERS OF | PRESSURE | | |
| | | | • | tart the ground 0 psig. | l air source | and adjust the _l | oressure regulator to a | maximum of | | |
| | | (e) | If instal | lled, slowly ope | en the air su | ipply valve on tl | ne manifold of the clear | ing tool. | | |
| | | (f) | Slowly | open the wate | r supply val | ve on the water | source (0-60 PSIG). | | | |
| | | (g) | If instal | lled, slowly ope | en the water | supply valve o | n the manifold of the cl | eaning tool. | | |
| | | (h) | Clean t | he heat excha | nger for 5 n | ninutes. | | | | |
| | | (i) | | he water supp air for an addit | | | e (0-60 PSIG) and cont | inue to | | |
| | | (j) | • | are using airpla panel to OFF. | ine pneuma | tic system air, s | set the APU BLEED swi | tch on the | | |
| | | (k) | • | are using grour atic cart to the | • | | source, set the valve or | n the ground | | |
| | | WAF | RNING: | | | PROTECTION F AN BURN YOU | FROM THE HOT WATE | R IN THE | | |
| | | (I) | Discon | nect the air ho | se from the | cleaning head. | | | | |
| | | WAF | RNING: | | | PROTECTION I | ROM THE HOT WATE | R IN THE | | |
| | (| m) Disconnect the water supply hose from the cleaning head. | | | | | | | | |
| | (n) Do the steps above, as necessary, for the other heat exchangers. | | | | | | | | | |
| | | ` , | 1-03-020-003 | • | | - | • | | | |
| | (2) | If no | t already | y done, close t | he valve at | the water sourc | e. | | | |
| EFFECTIVITY AKS ALL | | | | | SOURCE MRB | PRIMARY AND | SECONDARY HEAT EXC | CHANGERS | | |
| | | | | | | D633A109-AKS | 3 | | age 5 | |

21-100-00-01

Jun 15/2015



737-600/700/800/900 TASK CARDS

| DATE | | TAIL | NUMBER | | STATION | AIRLINE CARD NO. | | CARD NO.)-00-01 | |
|--------|----------|-------------------------|----------------------------------|------------------|---------------------------|--|--------------------|----------------------------|------|
| CIIDTA | SK 24 F | 1-03-030-001 | | | | | 1 | MECH | INSF |
| (3) | Disc | | | the wat | er source (0-60 | PSIG) and the water s | supply hose | | |
| (4) | If yo | u used a gro | und air supply | y for the | air source, do tl | nis step: | | | |
| | (a) | Stop the op | eration of the | ground | air source. | | | | |
| | (b) | Disconnect | the ground a | ir supply | line from the ai | r hose inlet fitting. | | | |
| SUBTA | NSK 21-5 | 1-03-880-002 | | | | | | | |
| (5) | If yo | u used airpla | ne pneumatio | system | air for the air s | ource, do these steps: | | | |
| | (a) | If not alread position. | dy done, set th | ne APU I | BLEED switch o | on the P5-10 panel to t | he OFF | | |
| | (b) | If installed, | open the air s | supply va | alve on the back | flusher equipment. | | | |
| | WAI | YOU OPE | J CONNECT ERATION CA | OR DIS N MAKE | CONNECT PNE THE GROUND | ROM HOT SURFACE UMATIC FITTINGS. F AIR CONNECTOR V BURN YOUR BARE F | PACK ERY HOT. A | | |
| | (c) | | the bleed air e air hose inle | | | the ground pneumatic | connector | | |
| | WAI | YOU OPE | J CONNECT ERATION CA | OR DIS N MAKE | CONNECT PNE THE GROUND | ROM HOT SURFACE UMATIC FITTINGS. F AIR CONNECTOR V BURN YOUR BARE F | PACK ERY HOT. A | | |
| | (d) | Remove the | e check valve | deactiva | ator from the gro | ound pneumatic conne | ctor. | | |
| | (e) | Close this a | ccess panel: | | | | | | |
| | | <u>Number</u> | Name/Loca | ation_ | | | | | |
| | | 192DR | ECS High F | ressure | Access Door | | | | |
| SUBTA | SK 21-5 | 1-03-020-151 | | | | | | | |
| (6) | To re | emove the he | eat exchange | r cleanin | g heads, do the | se steps: | | | |
| | (a) | If not alread | dy done, disco | onnect th | ne air hose from | the cleaning head. | | | |
| | (b) | If not alread | dy done, disco | onnect th | ne water supply | hose from the cleaning | g head. | | |
| | (c) | Loosen the | screws on the | e cleanir | ng head. | | | | |
| | (d) | Carefully re | move the clea | aning he | ead. | | | | |
| SUBTA | SK 21-5 | 1-03-420-003 | | | | | | | |
| (7) | Insta | all the plenun | n/diffuser acc | ess pane | els and the gask | ets with the bolts and | washers. | | |
| SUBTA | SK 21-5 | 1-03-410-014 | | | | | | | |
| (8) | Put | the bonding j | umper in its p | osition a | and install the bo | olts, washers, and nut. | | | |
| SUBTA | SK 21-5 | 1-03-420-004 | | | | | | | |
| (9) | Insta | all the ram ai | r inlet access | panel w | ith the bolts and | washers. | | | |
| | | =CTN/ITV | | SOURCE | DDIMA DV AND | OFOOND A DV LIFAT EV | OUANOEDO | | |
| | | S ALL | | MRB | PRIMARY AND | SECONDARY HEAT EX | CHANGERS | | |
| | | | | | D633A109-AKS | | ı | Page 6 | |

21-100-00-01

Oct 15/2014





737-600/700/800/900 TASK CARDS

| DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | | CARD NO. 0-00-01 | |
|--|--------------------------|--|-------------|--------------------|---|---------------|----------------------------|------|
| CUPT | ASK 21-51-03-080-0 | 000 | | | | | MECH | INS |
| (10) | | | g from the | elbow duct at th | e aft end of the plenum | n/diffuser as | | |
| | | ove the clamp tha | it secures | the plastic shee | ting to the elbow duct. | | | |
| | , , | ove the plastic sh | | the plastic shee | ang to the cibow duct. | | | |
| | ` ' | • | • | the elbow duct a | at the aft end of the plea | num/diffuser | | |
| | ` ' | he ram air exhau | | | - | | | |
| | (d) Insta | Il the clamps to se | ecure the f | flexible duct: | | | | |
| | 1) | Tighten the clam | ps to 15 (± | £ 2) inch-pounds | | | | |
| | ASK 21-51-03-880-0 | | | | | | | |
| (11) | | | | | operate the pack, do th SK 21-00-00-800-803. | nis task: | | |
| | | iis will remove an achine bearings. | y remainin | ng water in the ra | am air ducts and the air | rcycle | | |
| SUBT/ | ASK 21-51-03-880-0 | 003 | | | | | | |
| (12) | | ir conditioning pa y a Cooling Pack | | | is task: Remove Condi 0-804. | tioned Air | | |
| D. Put | the Airplan | e Back to its Us | ual Condi | tion | | | | |
| SUBTASK 21-51-03-860-002 | | | | | | | | |
| (1) Do this task: Remove Pressure from the Pneumatic System, AMM TASK 36-00-00-860-806. | | | | | | | | |
| SUBT | ASK 21-51-03-100-0 | 001 | | | | | | |
| (2) | If you clea | ned the left pack | heat excha | angers, do this s | step: | | | |
| | Close this | access panel: | | | | | | |
| | <u>Number</u> | Name/Location | | | | | | |
| | 192CL | ECS Access D | oor | | | | | |
| | | access panel: | | | | | | |
| | <u>Number</u> 192BL | Name/Location ECS Ram Air I | | g Duct Panel - F | orward | | | |
| SUBT | ASK 21-51-03-100-0 | 002 | · | | | | | |
| (3) | If you clea | ned the right pacl | k heat exc | hangers, do this | step: | | | |
| | Close this | access panel: | | | | | | |
| | <u>Number</u> | Name/Location | <u>on</u> | | | | | |
| | 192CR | ECS Access D | oor | | | | | |
| | Close this access panel: | | | | | | | |
| | <u>Number</u> | Name/Location | <u>on</u> | | | | | |
| | 192DR | ECS High Pres | ess Door | | | | | |
| | EFFECTIVITY | | SOURCE | PRIMARY AND | SECONDARY HEAT EX | CHANGERS | | |
| | AKS ALL | | MRB | | | | | |
| | | | | D633A109-AKS | ; | 1 | Page 7 | of 1 |

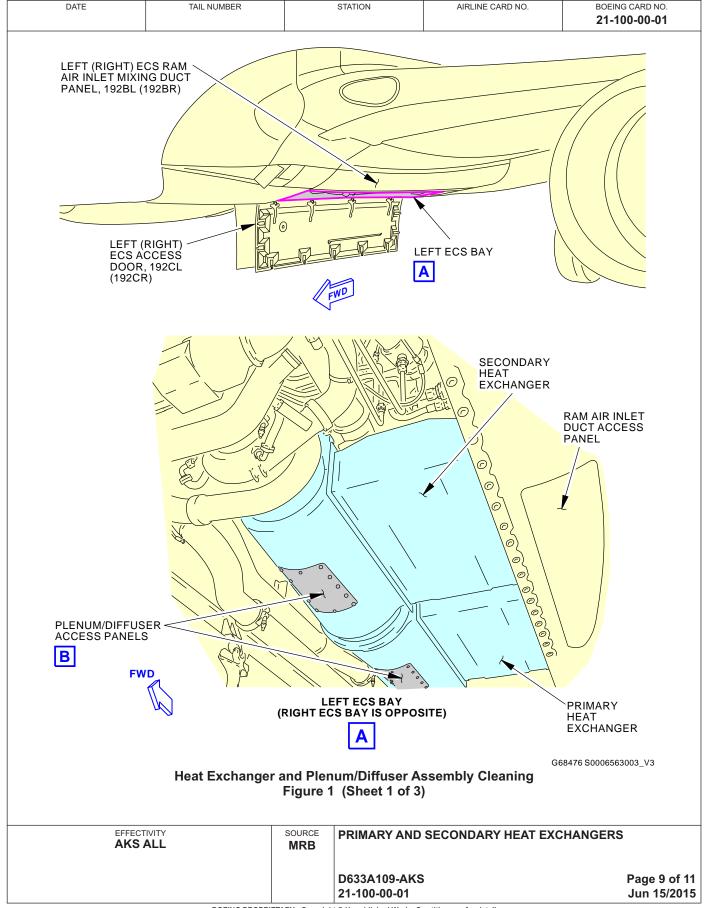
21-100-00-01

Jun 15/2015

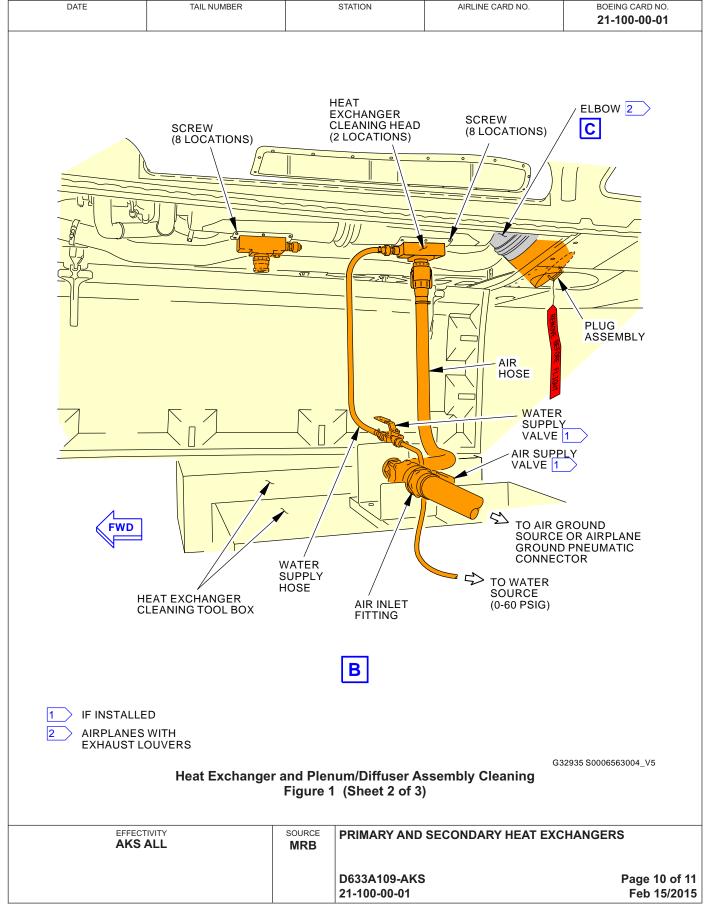


| DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | | CARD NO. 0-00-01 | |
|------|-------------|--|-------------------------|--------------------------------------|---------------------------------|------------|----------------------------|-------|
| | Install | this access panel: | | | | | MECH | INSP |
| | Numb | | <u>on</u> | | | | | |
| | 192BF | R ECS Ram Air | Inlet Mixin | g Duct Panel - F | orward | | | |
| | ASK 21-51-0 | | | | | | | |
| (4) | Remo | ve electrical power if i ve Electrical Power, A | it is not ne MM TASK | cessary. To remo (24-22-00-860-8 | ove electrical power, do 312 | this task: | | |
| | | | - END OF | TASK ——— | | | | |
| | | | | | | | | |
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| | | | | | | | | |
| | EFFECT | | SOURCE | PRIMARY AND | SECONDARY HEAT EXC | CHANGERS | | |
| | AKS A | ALL | MRB | | | | | |
| | | | | D633A109-AKS | • | ļ | Page 8 | of 11 |











737-600/700/800/900 TASK CARDS

STATION DATE TAIL NUMBER AIRLINE CARD NO. BOEING CARD NO. 21-100-00-01 CLAMP (2 LOCATIONS) RAM AIR EXHAUST DUCT PLENUM/DIFFUSER FLEXIBLE DUCT **ELBOW DUCT** NBD INBD **ELBOW** C 2384253 S0000547332_V1 Heat Exchanger and Plenum/Diffuser Assembly Cleaning Figure 1 (Sheet 3 of 3) EFFECTIVITY SOURCE PRIMARY AND SECONDARY HEAT EXCHANGERS **AKS ALL MRB** D633A109-AKS Page 11 of 11

21-100-00-01

Feb 15/2015





737-600/700/800/900 TASK CARDS

| AIRLINE | E CARD NO | CABIN TEN | TITLE IPERATURE SENS | OR FILTERS | BOEING 0 21-150 | |
|-------------|----------------------|-------------|----------------------|--------------------------|-------------------------|-------------------|
| DATE | TASK RESTORE | | | | RELATEI | D CARD |
| TAIL NUMBER | WORK AREA CREW CABIN | VERSION 1.1 | THRESHOLD 1200 FH | REPEAT 1200 FH | APPLIC/ | ABILITY ENGINE |
| STATION | SKILL AIRPL | | | | ALL | ALL |
| | | ACCESS | | | ZONE 211 232 242 | |
| | | | | | | |

Clean or replace the cabin temperature sensor filters (737-600/700 has one each in the control and passenger cabins, 737-800/900 has one in the control cabin and two in the passenger cabin).

A. Consumable Materials

| Reference | Description | Specification |
|-----------|--|-----------------|
| B00039 | Cleaner - Brulin Formula 815MX | |
| B00130 | Alcohol - Isopropyl | TT-I-735 |
| B00541 | Cleaner - General Purpose Household Detergent | |
| G00034 | Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze) | BMS15-5 Class A |
| G02472 | Filter - 3/16 inch, Porosity Grade 45 Ppi, Color-Gray, Flame Retardent Foam | |

| EFFECTIVITY AKS ALL | SOURCE MRB | CABIN TEMPERATURE SENSOR FILTERS | |
|---------------------|---------------|----------------------------------|-----------------------------|
| | | D633A109-AKS 21-150-00-01 | Page 1 of 10 Jun 15/2015 |



737-600/700/800/900 **TASK CARDS**

| | DATE | | | TAIL NUM | IBER | | STATION | AIRLINE CARD NO. | BOEING C 21-150 | | |
|-----|--|---|---|--|--|--|--|--|---|---------|-----|
| TAS | K 21 | _61_06 | 6-000-80 ⁻ | 1 | | | | | ' | MECH | INS |
| | | | | - | esamhly | / Filter R | emoval | | | | |
| | | , Figui | | 11301 7 | зостны | , i iitoi it | <u>ciiiovai</u> | | | | |
| | | | , | | | | | | | | |
| Α. | Pre | pare f | for the R | emova | ıl | | | | | | |
| | | | 1-06-860-006 | | | C 11 C11 | 6 (1 6) 1 (| | | | |
| | (1) | | • | | | | _ | ompartment zone: | | | |
| | | (a) | Open th | nis circu | uit breake | er and ins | tall safety tag: | | | | |
| | | F/O Electrical System Panel, P6-4 | | | | | | | | | |
| | | | Row | | Numbe | | | | | | |
| | | | В | 3 | C01163 | B A/C | ZONE TEMP W | ALVE/FAN CONT FLT | DECK | | |
| | SUBT | ASK 21-6 | 1-06-860-007 | | | | | | | | |
| | (2) | Do t | his step f | for the | removal (| of the filte | r for the forward | d passenger compartm | ent zone: | | |
| | | (a) | Open th | nis circu | uit breake | er and ins | tall safety tag: | | | | |
| | | | F/O Ele | ctrical | System | Panel, P | 6-4 | | | | |
| | | | Row | Col | Numbe | <u>r Nam</u> | <u>1e</u> | | | | |
| | | | В | 2 | C01167 | 7 A/C | ZONE TEMP V | ALVE/FAN CONT FWD | PASS | | |
| | SUBT | ASK 21-6 | 1-06-860-008 | | | | | | | | |
| | (3) Do this step for the removal of the filter for the aft passenger compartment zone: | | | | | | | | | | |
| | | (a) | Open th | nis circu | uit breake | er and ins | tall safety tag: | | | | |
| | | | F/O Ele | ctrical | Systom | Danal D | 0.4 | | | | |
| | | | | | Svatelli | Panei. P | 6-4 | | | | |
| | | | Row | <u>Col</u> | | | | | | | |
| | | | _ | | | er <u>Nam</u> | <u>ne</u> | ALVE/FAN CONT AFT | PASS | | |
| | SUBT | ASK 21-6 | Row | <u>Col</u> | Numbe | er <u>Nam</u> | <u>ne</u> | ALVE/FAN CONT AFT | PASS | | |
| | subt. (4) | | Row A | <u>Col</u> 3 | Numbe C01170 | <u>Nam</u> A/C | <u>ne</u> ZONE TEMP V | ALVE/FAN CONT AFT | | | |
| | | Find | Row A | Col 3 | Number C01170 | er Nam A/C mpartmen | <u>ne</u> ZONE TEMP V | | | | |
| | (4) | Find ceili | Row A 1-06-010-001 I the filter | Col 3 | Number C01170 | er Nam A/C mpartmen | <u>ne</u> ZONE TEMP V | | | | |
| | (4) | Find ceilii ASK 21-6 Find | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter | Col 3 for the flight c | Number C01170 e flight coompartme e passeno | er Nam A/C mpartment ent. | ne ZONE TEMP V nt cabin tempera artment directly | ature sensor assembly above the passenger s | on the aft | | |
| | (4) | Find ceilii ASK 21-6 Find right | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t | Col 3 for the flight conformal for the he aisle | Number C01170 e flight co ompartme passenge. The filt | er Nam A/C mpartment ent. | ne ZONE TEMP V nt cabin tempera artment directly | ature sensor assembly | on the aft | | |
| | (4) subtr (5) | Find ceilin ASK 21-6 Find right find | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre | Col 3 | Number C01170 e flight co ompartme e passenge. The filt tion. | er Nam A/C mpartmenent. ger compartmenent on a | ne ZONE TEMP V nt cabin tempera artment directly panel between | ature sensor assembly above the passenger s the PSUs. Use the illu | on the aft seats on the stration to | | |
| В. | (4) subtraction (5) Flig | Find ceilin ASK 21-6 Find right find | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre | Col 3 | Number C01170 e flight co ompartme e passenge. The filt tion. | er Nam A/C mpartmenent. ger compartmenent on a | ne ZONE TEMP V nt cabin tempera artment directly panel between | ature sensor assembly above the passenger s | on the aft seats on the stration to | | |
| B. | (4) subtraction (5) Flig | Find ceilin ASK 21-6 Find right find | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre | Col 3 | Number C01170 e flight co ompartme e passenge. The filt tion. | er Nam A/C mpartmenent. ger compartmenent on a | ne ZONE TEMP V nt cabin tempera artment directly panel between | ature sensor assembly above the passenger s the PSUs. Use the illu | on the aft seats on the stration to | | |
| В. | (4) subt. (5) Flig (Fig | Find ceilin ASK 21-6 Find right find Ight Co Jure 1) | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre compartme | Col 3 for the flight conformal for the aislest tocal ent Zon | Number C01170 e flight co ompartm e passenge. The filt tion. ne - Cabi | er Nam A/C mpartment ent. ger comparter is on a | ne ZONE TEMP Vont cabin temperaturent directly panel between erature Sensor | ature sensor assembly above the passenger s the PSUs. Use the illu Assembly Filter Rema | on the aft seats on the estration to oval | | |
| В. | (4) subt. (5) Flig | Find ceilin ASK 21-6 Find right find Jht Co Jure 1) ASK 21-6 Rem | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre compartme | Col 3 for the flight conformal for the aislest tocal ent Zon | Number C01170 e flight co ompartm e passenge. The filt tion. ne - Cabi | er Nam A/C mpartment ent. ger comparter is on a | ne ZONE TEMP Vont cabin temperaturent directly panel between erature Sensor | ature sensor assembly above the passenger s the PSUs. Use the illu | on the aft seats on the estration to oval | | |
| В. | (4) subt. (5) Flig (Fig | Find ceilin ASK 21-6 Find right find Jht Co Jure 1) ASK 21-6 Rem | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre compartme 1-06-020-001 nove the collows: Remove | Col 3 for the flight control for the aislest local ent Zol filter [1] | Number Collection. Number Collection. Page 1 of the collection. Number 1 of the collection. | er Nam A/C mpartmerent. ger comparer is on a | ZONE TEMP Vant cabin tempera artment directly panel between erature Sensor | ature sensor assembly above the passenger s the PSUs. Use the illu Assembly Filter Rema | on the aft seats on the stration to oval compartment | | |
| В. | (4) subt. (5) Flig (Fig | Find ceilin ASK 21-6 Find right find (ht Co ure 1) ASK 21-6 Rem as fo | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre compartme 1-06-020-001 nove the sollows: | Col 3 for the flight control for the aislest local ent Zol filter [1] | Number Collection. Number Collection. Page 1 of the collection. Number 1 of the collection. | er Nam A/C mpartmerent. ger comparer is on a | ZONE TEMP Vant cabin tempera artment directly panel between erature Sensor | ature sensor assembly above the passenger s the PSUs. Use the illu Assembly Filter Remains | on the aft seats on the stration to oval compartment | | |
| В. | (4) subt. (5) Flig (Fig | Find ceilin ASK 21-6 Find right find (ht Co ure 1) ASK 21-6 Rem as fo | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre compartme 1-06-020-001 nove the sollows: Remove compar | Col 3 for the flight control for the aislest local ent Zon filter [1] e the fortment. | Number Collection. Number Collection. Passenge. The filt tion. Page Cabin Collection. Page Cabin Collection. Page Cabin Collection. | er Nam A/C mpartmerent. ger comparer is on a | ZONE TEMP Vant cabin temperal artment directly panel between perature Sensor perature sensor attach the grille | ature sensor assembly above the passenger s the PSUs. Use the illu Assembly Filter Remains | on the aft seats on the stration to oval compartment | | |
| В. | (4) subt. (5) Flig (Fig | Find ceilin ASK 21-6 Find right find Jure 1) ASK 21-6 Rem as fo (a) | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre compartme 1-06-020-001 nove the sollows: Remove compar | Col 3 for the flight control for the aislest local ent Zon filter [1] e the fortment. | Number Collection. Number Collection. Passenge. The filt tion. Page Cabin Collection. Page Cabin Collection. Page Cabin Collection. | er Nam A/C mpartmerent. ger comparer is on a ser is on a ser is | ZONE TEMP Vant cabin temperal artment directly panel between perature Sensor perature sensor attach the grille | ature sensor assembly above the passenger s the PSUs. Use the illu Assembly Filter Remains | on the aft seats on the stration to oval compartment | | |
| В. | (4) subt. (5) Flig (Fig | Find ceilin ASK 21-6 Find right find Int Co Jure 1) ASK 21-6 Rem as fo (a) | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre mpartme 1-06-020-001 nove the s collows: Remove compar | Col 3 for the flight control for the aislest local ent Zon filter [1] e the fortment. | Number Collection. Number Collection. Passenge. The filt tion. Page Cabin Collection. Page Cabin Collection. Page Cabin Collection. | er Name A/C A/C mpartmenent. Ger compartmenent in Temper cabin temper | ZONE TEMP Vant cabin temperal artment directly panel between perature Sensor attach the grille er [1]. | ature sensor assembly above the passenger s the PSUs. Use the illu Assembly Filter Rem assembly in the flight [3] to the aft ceiling in | on the aft seats on the stration to oval compartment the flight | | |
| В. | (4) subt. (5) Flig (Fig | Find ceilin ASK 21-6 Find right find pht Coure 1) ASK 21-6 Rem as for (a) (b) | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre compartme 1-06-020-001 nove the sollows: Remove compar | Col 3 for the flight control for the aislest local ent Zon filter [1] e the fortment. | Number Collection. Number Collection. Passenge. The filt tion. Page Cabin Collection. Page Cabin Collection. Page Cabin Collection. | er Nam A/C mpartmerent. ger comparer is on a ser is on a ser is | ZONE TEMP Vant cabin temperal artment directly panel between perature Sensor attach the grille er [1]. | ature sensor assembly above the passenger s the PSUs. Use the illu Assembly Filter Remains | on the aft seats on the stration to oval compartment the flight | | |
| В. | (4) subt. (5) Flig (Fig | Find ceilin ASK 21-6 Find right find pht Coure 1) ASK 21-6 Rem as for (a) (b) | Row A 1-06-010-001 I the filter ng in the 1-06-860-053 I the filter t side of t the corre compartme hove the sollows: Remove compar Remove | Col 3 for the flight control for the aislest local ent Zon filter [1] e the fortment. | Number Collection. Number Collection. Passenge. The filt tion. Page Cabin Collection. Page Cabin Collection. Page Cabin Collection. | er Nam A/C Mpartmer ent. ger comparer is on a in Temper cabin tem as [2] that and the filter source | ZONE TEMP Vant cabin temperal artment directly panel between perature Sensor attach the grille er [1]. | ature sensor assembly above the passenger s the PSUs. Use the illu Assembly Filter Rem assembly in the flight [3] to the aft ceiling in | on the aft seats on the stration to oval compartment the flight | age 2 0 | |



| | DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | | CARD NO. 0-00-01 | |
|----|--------------|--|----------------|------------------------------|---------------------------|--------------|----------------------------|-----|
| C. | Passeng | er Compartment Zon | ne - Cabin Te | emperature Sei | nsor Assembly Filter | Removal | MECH | INS |
| | (Figure 2 | | | • | · | | | |
| | SUBTASK 21-6 | 61-06-020-005 | | | | | | |
| | | emove the filter [21] for partment, do these sto | | emperature sen | sor assembly in the pa | ssenger | | |
| | | | • | | REMOVE THE GRILL | C TUC | | |
| | CAI | - | | | U PUSH ON THE TAB | | | |
| | | | | | NSION. TOO MUCH F | ORCE WILL | | |
| | | | | E GRILLE OR T | | | | |
| | (a) | Put a metal rod with one of the slots on the | | | 1/16-inch (1.58 mm) dia | ameter, into | | |
| | (b) | Apply pressure to the temperature sensor | | release the tab | that holds the grille [22 |] onto the | | |
| | (c) | Remove the grille [22 | 2] and the fil | ter [21]. | | | | |
| | | | — END OF | TASK —— | | | | |
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| | | ECTIVITY | SOURCE | CARIN TEMPE | 24TUDE 05N00D EU TE | 'DO | | |
| | | (S ALL | MRB | CABIN TEMPER | RATURE SENSOR FILTE | 6A: | | |
| | | | | D633A109-AKS 21-150-00-01 | ; | | Page 3 Feb 15/ | |
| | | | | | | | . 0.0 .01 | |



737-600/700/800/900 TASK CARDS

| | DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C 21-150 | | |
|---|--------|----------------------|--|-----------------|-------------------|---|--------------------|-------|-----|
| т | ASK 2 | 1-61-06-1 | ⊥ 100-801 | I | | | | MECH | IN: |
| | | | ure Sensor Assem | hly Filter C | leaning | | | | |
| | | I, Figure | | bly i mor o | <u></u> | | | | |
| | | | , | | | | | | |
| , | | - | r the Cleaning | | | | | | |
| | (1) | remov | ve the filter for the to | | | ly in the flight compartm nsor Assembly Filter Re | | | |
| | SUB | TASK 21-61-0 | 6-020-004 | | | | | | |
| | (2) | remov | | | | ly in the passenger com nsor Assembly Filter Re | | | |
| | SUB | TASK 21-61-0 | 6-210-001 | | | | | | |
| | (3) | If the f | filter is damaged, dis | scard the filt | er. | | | | |
| | SUB | TASK 21-61-0 | 6-350-001 | | | | | | |
| | (4) | If appl remov | | ter from foar | n filter, G02472 | , the same size as the f | Iter you | | |
| | | NOTE | : The old filter may | be used as | a template to p | repare a new filter. | | | |
| Е | 3. Cle | aning P | rocedure | | | | | | |
| | SUB | TASK 21-61-0 | 6-110-001 | | | | | | |
| | (1) | house | | ner, B00541 | or Brulin Form | available general purpo ula 815MX cleaner, B00 ntainer. | | | |
| | SUB | TASK 21-61-0 | 6-110-002 | | | | | | |
| | (2) | Clean | the air inlet grille ar | nd the filter v | vith the cleaning | g solution of the cleaner | and water. | | |
| | | NOTE | : A new filter does | not need to | be cleaned. | | | | |
| | SUB | TASK 21-61-0 | 6-100-004 | | | | | | |
| | (3) | | _ | | • | s or contamination from t is moist with alcohol, E | | | |
| | SUB | TASK 21-61-0 | | | | | | | |
| | (4) | | the grille and the filt ol, B00130 have bee | | | traces of the cleaning s | olution or | | |
| | SUB | TASK 21-61-0 | 6-100-002 | | | | | | |
| | (5) | Dry the | e grille with cotton v | viper, G0003 | 34. | | | | |
| | SUB | TASK 21-61-0 | | | | | | | |
| | (6) | Dry th | e filter with compres | ssed air or th | ne cotton wiper, | G00034. | | | |
| | | | | | | | | | |
| | | EFFECT AKS | | SOURCE MRB | CABIN TEMPE | RATURE SENSOR FILTE | RS | | |
| | | | | | D633A109-AK | S | | age 4 | |

21-150-00-01

Feb 15/2015



| | DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING (21-150 | | |
|----|---------------------|--|---------------|--------------|---------------------|--------------------|--------|------|
| C. | Put the Air | plane Back to Its Usua | al Condit | tion | | | MECH | INSP |
| | SUBTASK 21-61-0 | | | | | | | |
| | the fil | the filter for the temper ter, do this task: Cabin T 21-61-06-400-801. | | | | | | |
| | SUBTASK 21-61-0 | 06-420-002 | | | | | | |
| | install | the filter for the temperathe filter, do this task: C 21-61-06-400-801. | | | | | | |
| | | 1 | END OF | TASK —— | | | | |
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| | EFFEC AKS | | SOURCE MRB | CABIN TEMPE | RATURE SENSOR FILTE | RS | | |
| | | | | D633A109-AKS | 3 | | Page 5 | |



737-600/700/800/900 TASK CARDS

| | | | | | | | | 21-150 | -00-01 | |
|-----|-----------------------|----------|--|------------------------------------|---------------------------|-------------|------------------|--------------|--------|----|
| TAS | SK 21-6 | 61-06 | -400-801 | | | | | | MECH | 11 |
| Cab | in Ten | npera | ature Sensor Assen | nbly Filter In | stallation | | | | | |
| Α. | Expe | ndak | oles/Parts | | | | | | | |
| | - | /l Iter | | | AIPC Refe | rence | AIPC Effective | /ity | | |
| | | 1 | Filter | | 21-61-51-02 | 2-230 | AKS ALL | | | |
| | 2 | 21 | Filter | | 21-61-06-0 | 1D-005 | AKS ALL | | | |
| B. | Fligh (Figu | | mpartment Zone - (| Cabin Tempe | rature Sensor | Assemb | y Filter Instal | llation | | |
| | (1) | Insta | -06-420-003 Ill the filter [1] for the Illows: | cabin tempe | rature sensor as | ssembly i | n the flight cor | npartment | | |
| | | (a) | Put a new or cleane | ed filter [1] in | its position in the | e aft ceili | ng panel. | | | |
| | | (b) | Put the grille [3] in i | ts position. | | | | | | |
| | | (c) | Install the four screen | ws [2] that att | ach the grille to | the aft ce | eiling panel. | | | |
| C. | Pass | enge | er Compartment Zo | ne - Cabin To | emperature Sei | nsor Ass | embly Filter | Installation | | |
| | (Figu | re 2) | | | | | | | | |
| | SUBTAS | SK 21-61 | -06-420-005 | | | | | | | |
| | . , | | stall the filter [21] for partment, do these s | • | ture sensor asse | embly in | the passenger | | | |
| | | (a) | Put a new or cleane | | - | | | | | |
| | | (b) | Align index tabs on | - | | | • | - | | |
| | | (c) | Push the grille [22] | into the temp | erature sensor p | panel to e | engage the two | o tabs. | | |
| D. | Put t | he A | irplane Back to Its | Usual Condi | tion | | | | | |
| | | | -06-860-012 | 43.6 (1 6) 1 | | | | | | |
| | (1) | , , | u installed the filter [| - | • | | this step: | | | |
| | | (a) | Remove the safety | Ü | | aker: | | | | |
| | | | F/O Electrical Syst | | | | | | | |
| | | | | <u>mber</u> <u>Nam</u> I163 A/C | <u>IE</u> ZONE TEMP VA | ALVE/FAI | N CONT FLT [| DECK | | |
| | SURTAS | SK 21-61 | -06-860-013 | | | | | | | |
| | | | u installed the filter [2 | 21] for the for | ward passenger | compart | tment zone, do | this step: | | |
| | | (a) | Remove the safety | tag and close | this circuit brea | aker: | | | | |
| | | | F/O Electrical Sys | tem Panel, P | 6-4 | | | | | |
| | | | Row Col Nu | | | | | | | |
| | | | B 2 C0 | 1167 A/C | ZONE TEMP VA | ALVE/FAI | N CONT FWD | PASS | | |
| | | | of the filter [2] u installed the filter | 21] for the aft | passenger com | partment | zone, do this | step: | | |
| | | | CTIVITY S ALL | source MRB | CABIN TEMPER | RATURE | SENSOR FILTE | RS | | L |

21-150-00-01

Oct 15/2015

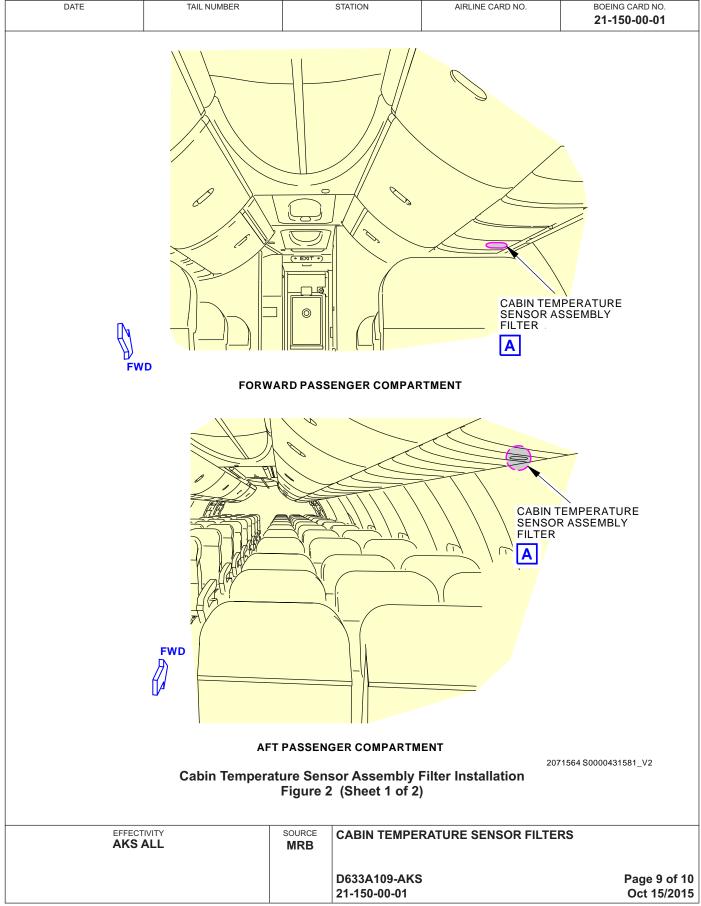


| DATE | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C 21-150 | | |
|------|-----------------------|----------------------|-------------------|---------------------|--------------------|--------|-------|
| (a) | Remove the safety tag | g and close | this circuit brea | ıker: | | MECH | INSP |
| | F/O Electrical System | | | | | | |
| | Row Col Numb | <u>er</u> <u>Nam</u> | <u>ne</u> | | | | |
| | A 3 C0117 | 0 A/C | ZONE TEMP VA | ALVE/FAN CONT AFT F | PASS | | |
| | | - END OF | TASK —— | | | | |
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| EFFE | CTIVITY | SOURCE | CABIN TEMPER | RATURE SENSOR FILTE | RS | | |
| AKS | SALL | MRB | | | - | | |
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| | | | 21-150-00-01 | | F | eb 15/ | 2015 |

737-600/700/800/900 TASK CARDS

DATE TAIL NUMBER STATION AIRLINE CARD NO. BOEING CARD NO. 21-150-00-01 **CABIN TEMPERATURE** SENSOR ASSEMBLY FILTER **FLIGHT COMPARTMENT** [1] FILTER **CEILING PANEL** [3] GRILLE [2] SCREW -(4 LOCATIONS) CABIN TEMPERATURE SENSOR ASSEMBLY FILTER G26907 S0006563431_V2 Flight Compartment - Cabin Temperature Sensor Assembly Filter Installation Figure 1 EFFECTIVITY SOURCE **CABIN TEMPERATURE SENSOR FILTERS AKS ALL MRB** D633A109-AKS Page 8 of 10 Feb 15/2015 21-150-00-01







737-600/700/800/900 TASK CARDS

STATION DATE TAIL NUMBER AIRLINE CARD NO. BOEING CARD NO. 21-150-00-01 [21] FILTER SLOT (2 LOCATIONS) [22] GRILL **CABIN TEMPERATURE SENSOR ASSEMBLY FILTER** (EXAMPLE) 2071562 S0000431582_V2 **Cabin Temperature Sensor Assembly Filter Installation** Figure 2 (Sheet 2 of 2) EFFECTIVITY SOURCE **CABIN TEMPERATURE SENSOR FILTERS AKS ALL MRB**

D633A109-AKS

21-150-00-01

Page 10 of 10 Oct 15/2015



737-600/700/800/900 TASK CARDS

| AIRLINE | CARD NO | APU BOOT PRESSURE SEAL | | | BOEING CARD NO. 21-190-00-01 | | |
|-------------|--------------------|------------------------|----------------|-----------------------|---------------------------------|--------|--|
| DATE | TASK DISCARD | | | | RELATED |) CARD | |
| TAIL NUMBER | WORK AREA AIRPLANE | VERSION 1.1 | THRESHOLD 6 YR | REPEAT 6 YR | APPLICABILITY AIRPLANE ENGINE | | |
| STATION | SKILL AIRPL | | | | ALL NOTE | ALL | |
| | | ACCESS 193D 311BL | | | ZONE 133 141 143 145 | | |
| | | | | | | | |

Discard APU bleed air duct flexible pressure seal.

AIRPLANE NOTE: Applicable to airplanes equipped with part number BOE2003-0052 seal.

A. References

| Reference | Title |
|----------------------|---|
| AMM 36-13-01-020-801 | APU Pneumatic Duct Pressure Seal Removal (P/B 401) |
| AMM 36-13-01-420-801 | APU Pneumatic Duct Pressure Seal Installation (P/B 401) |

| EFFECTIVITY AKS ALL | SOURCE MRB | APU BOOT PRESSURE SEAL | | |
|---------------------|------------|------------------------------|----------------------------|--|
| | | D633A109-AKS 21-190-00-01 | Page 1 of 3 Jun 15/2016 | |



| DATE | | | TAIL NUMBER | | STATION AIRLINE CARD NO. | | BOEING CARD NO. 21-190-00-01 | | | |
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| | A 1/2 | | AIDDI | ANDO WITH BORGOS | 0050 15: | I DDEOCUDE CO | - 4.1 | Z 1-130 | MECH | I |
| | AKS | S ALL; | AIRPL | ANES WITH BOE2003 | 3-0052 APL | J PRESSURE SE | AL | | MEON | 11101 |
| | | | | 20-803 | | | | | | |
| 1. | APL | J Pneu | ımatic | Duct Pressure Seal | Removal | | | | | |
| | A. | Proc | edure | | | | | | | |
| | SUBTASK 36-13-01-020-046 | | | | | | | | | |
| | | | | ve the APU Pneumati val, AMM TASK 36-13 | | | Pneumatic Duct Press | sure Seal | | |
| | | | | | - END OF | TASK —— | | | | |
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| | | | EFFECT AKS A | IVITY | SOURCE | APU BOOT PRE | ESSURE SEAL | | | |
| | | | ANO | 7LL | MRB | | | | | |
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| | 1 | DATE | | TAIL NUMBER | | STATION | AIRLINE CARD NO. | BOEING C/ 21-190- | | |
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| | | | | | | | | 21-190- | MECH | INSP |
| AKS | | | | WITH BOE2003-00 | 52 APU PRE | SSURE SEAL (| Continued) | | WEGIT | |
| | | | 13-01-42 | | l lootollotic | | | | | |
| 2. | APU | | | Duct Pressure Sea | ii installatio | <u>on</u> | | | | |
| | A. | Pro | cedure | | | | | | | |
| | | | SK 36-13-01 | | duct masses | ura anal (ADII D | navinastia Duat Decasion | o Cool | | |
| | | (1) | Installa | ation, AMM TASK 36 | auci pressi 3-13-01-420 | ire seai (APO P -801). | neumatic Duct Pressure | e Seai | | |
| | | | | | | TASK — | | | | |
| | | | | | 2.10 0. | 171011 | | | | |
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| | | | | | | D633A109-AKS | S | r | Page 3 | of 3 |
| | | | | | | 21-190-00-01 | - | j. | un 15/ | 2016 |