



Number: 737-26-1138
Original Issue: December 12, 2014
ATA System: 2614

SUBJECT: FIRE PROTECTION - Lavatory Smoke Detection System - Replacement of JAMCO
Lavatory Smoke Detectors

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ECCN: 9E991

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Summary

SUBJECT: FIRE PROTECTION - Lavatory Smoke Detection System - Replacement of JAMCO Lavatory Smoke Detectors

CONCURRENT REQUIREMENTS

Refer to Paragraph 1.B., Concurrent Requirements.

BACKGROUND

The lavatory smoke detector manufacturer, JAMCO, plans to stop production of certain PU90-400 series smoke detectors. The Metal Oxide Semiconductor Field Effect Transistor (MOSFET) used in the smoke detector circuit is no longer in production and no other suitable replacement MOSFETs are available. Operators will not be able to order certain PU90-400 series smoke detectors from JAMCO. JAMCO notified Boeing of their intention to discontinue making certain PU90-400 series smoke detectors. If this service bulletin is not done and the lavatory smoke detector stops working, operators will not be able to purchase a replacement from JAMCO, which can result in service disruptions and inability to dispatch.

Boeing Fleet Team Digest (FTD) 737 FTD 26-09001 is related to this service bulletin.

This table is provided to operators for planning purposes only. Refer to the applicable sections for more information.

Planning Data	Affected	Reference
Spares Affected	No	Paragraph 1.A.2., Spares Affected
AD Related	No	Paragraph 1.E., Compliance and Paragraph 1.F., Approval
Weight and Balance Change	No	Paragraph 1.H., Weight and Balance Changes
Electrical Load Changed	No	Paragraph 1.I., Electrical Load Data
Publications Affected	Yes	Paragraph 1.K., Publications Affected
Airplane Flight Operations Affected (Flight Crew Operations Manual and/or FAA Approved Airplane Flight Manual)	Yes	Paragraph 1.K., Publications Affected
Kits/Parts Required	No	Paragraph 2.C.1., Kits/Parts
Operator Supplied Parts/Material	Yes	Paragraph 2.C.2., Parts and Materials Supplied by the Operator
Special Tooling Required	No	Paragraph 2.F., Special Tooling Necessary to do this Service Bulletin

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ACTION

In each airplane lavatory, replace the JAMCO Smoke Detector with a Kidde Smoke Detector and do the Lavatory Smoke Detection - Self Test.

Accomplishment of this service bulletin changes the flight deck and/or operations of the airplane. Refer to Paragraph 1.K., Publications Affected, for affected publications.

EFFECTIVITY

737-200, 737-200C, 737-300, 737-400, 737-500 Airplane(s). Refer to Paragraph 1.A.1., Airplanes, for the list of affected airplane(s).

COMPLIANCE

Refer to Paragraph 1.E., Compliance.

INDUSTRY SUPPORT INFORMATION

Boeing warranty remedies are not available for the configuration changes given in this service bulletin.

MANPOWER

Airplanes	Total Task Hours	Elapsed Hours
737-200, 737-200C, 737-300, 737-400, 737-500	1.30	1.30

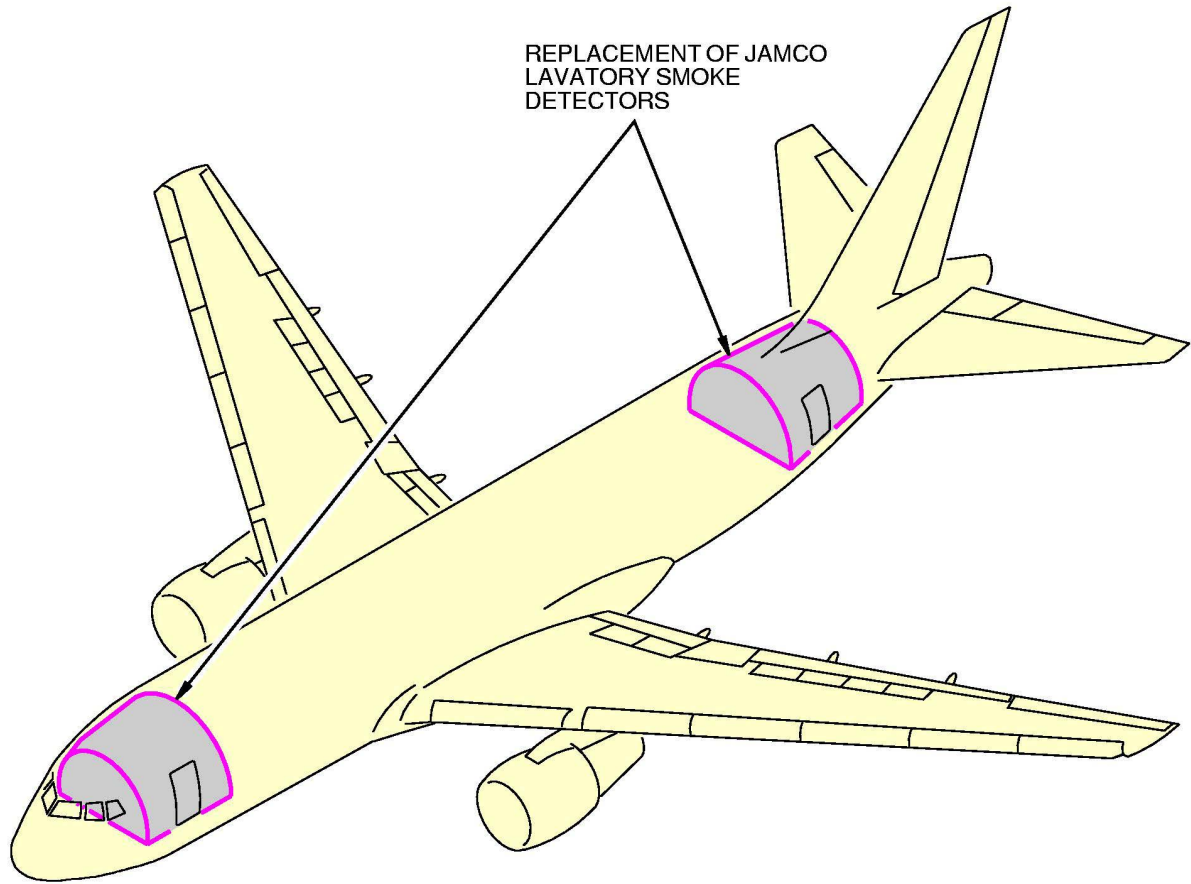
NOTE: This estimate is for each airplane lavatory.

MATERIAL INFORMATION

Operator Supplied Parts/Materials.

Refer to Paragraph 2.A., Material - Price and Availability.

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1. PLANNING INFORMATION

A. Effectivity

1. Airplanes

Refer to Service Bulletin Index D6-19567 Part 3 for Airplane Variable Number, Line Number, and Serial Number data.

GROUP	CONFIGURATION	DESCRIPTION
1	-	Replacement of JAMCO Lavatory Smoke Detectors - for airplanes with modular lavatories installed
	1	Airplanes with JAMCO Smoke Detector Part Numbers PU90-431R3, PU90-461R3, OR PU90-499R3 Installed
	2	Airplanes with JAMCO Smoke Detector Part Numbers PU90-461R4 or PU90-499R4 Installed
2	-	Replacement of JAMCO Lavatory Smoke Detectors - for airplanes with non-modular lavatories installed
	1	Airplanes with JAMCO Smoke Detector Part Numbers PU90-431R3, PU90-461R3, OR PU90-499R3 Installed
	2	Airplanes with JAMCO Smoke Detector Part Numbers PU90-461R4 or PU90-499R4 Installed

Airplane Models:

737-200, 737-200C, 737-300, 737-400, 737-500

Variable Number	Group
PJ301 - PJ302	1
PJ551 - PJ561	1

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Variable Number	Group
PJ601 - PJ615	1
PJ811	1
PJ816 - PJ817	1
PK253	2
PK257 - PK258	2
PK309	2
PK511	2
PK528	2
PK616	2
PK671	2
PK673	2
PK677	2
PK681	2
PK901 - PK938	2
PL624 - PL626	2
PL768	2
PL770	2
PM382 - PM399	1
PM401 - PM416	1
PM541 - PM564	1
PN431 - PN432	2
PN472 - PN474	2
PN481	2
PN491 - PN493	2
PN501 - PN502	2
PN511 - PN512	2
PN521	2
PP131 - PP160	1
PP164	2
PP169	1
PP188 - PP199	1
PP353	1
PP376 - PP383	1

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Variable Number	Group
PP384	2
PP391 - PP392	1
PP420 - PP440	1
PP503 - PP504	2
PP505 - PP520	1
PP711	2
PP721 - PP731	1
PP771 - PP777	2
PP778 - PP779	1
PP831 - PP834	2
PP837 - PP845	1
PP846 - PP847	2
PP848	1
PP852	1
PP874 - PP877	1
PP892 - PP898	2
PP899	1
PP901 - PP930	1
PP932	2
PP935 - PP936	1
PP947 - PP948	2
PP951 - PP952	2
PP963 - PP966	1
PP983 - PP991	1
PQ070 - PQ084	1
PQ188 - PQ199	1
PQ201 - PQ202	1
PQ221 - PQ230	1
PQ231	2
PQ232 - PQ237	1
PQ241 - PQ243	1
PQ251 - PQ267	1
PQ281 - PQ299	1

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Variable Number	Group
PQ301 - PQ307	1
PQ331 - PQ332	1
PQ341 - PQ348	1
PQ361 - PQ373	1
PQ391 - PQ395	1
PQ401 - PQ418	1
PQ421	1
PQ431 - PQ438	1
PQ447 - PQ448	1
PQ451	1
PQ454	1
PQ471 - PQ475	1
PQ479 - PQ481	1
PQ486 - PQ487	1
PQ491 - PQ493	1
PQ771 - PQ772	1
PQ791 - PQ793	1
PQ801 - PQ805	1
PQ931 - PQ935	1
PQ951	1
PQ971 - PQ997	1
PR001 - PR017	1
PR021 - PR034	1
PR041 - PR045	1
PR061 - PR072	1
PR077 - PR082	1
PR091 - PR092	1
PR096	1
PR101	1
PR121 - PR122	1
PR131 - PR132	1
PR141 - PR143	1
PR161 - PR172	1

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Variable Number	Group
PR181	1
PS601 - PS631	1
PS636 - PS638	1
PS641 - PS644	1
PS651 - PS657	1
PS666 - PS669	1
PS691 - PS692	1
PS701 - PS706	1
PS751 - PS799	1
PS811	1
PS836 - PS837	1
PS841 - PS846	1
PS851 - PS852	1
PS856	1
PS861 - PS863	1
PS871 - PS874	1
PS896 - PS897	1
PS901 - PS941	1
PS956 - PS957	1
PS961 - PS963	1
PS971 - PS978	1
PT003 - PT015	1
PT021 - PT031	1
PT041 - PT064	1
PT101 - PT105	1
PT121 - PT138	1
PT146 - PT148	1
PT161 - PT170	1
PT211 - PT220	1
PT295	1
PT301 - PT309	1
PT331 - PT360	1
PT381 - PT399	1

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Variable Number	Group
PT401 - PT438	1
PT501 - PT517	1
PT561 - PT565	1
PT581 - PT586	1
PT611 - PT621	1
PT641 - PT644	1
PT651 - PT656	1
PT671 - PT672	1
PT681 - PT685	1
PT701 - PT703	1
PT716 - PT717	1
PT721 - PT725	1
PT801 - PT834	1
PT851 - PT854	1
PT871 - PT886	1
PT901 - PT930	1
PT971 - PT973	1
PT981 - PT985	1
PT996	1
PU008 - PU025	1
PU301	1
PU311 - PU313	1
PV001 - PV055	1
PV201 - PV209	1
PV226 - PV229	1
PV231 - PV237	1
PV271 - PV272	1
PV281 - PV287	1
PV296	1
PV301 - PV302	1
PV351	1
PV356 - PV357	1
PW001 - PW054	1

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Variable Number	Group
PW061 - PW068	1
PW072	1
PW086 - PW088	1
PW091 - PW094	1
PW101 - PW102	1
PW106	1
PW111 - PW120	1
PW156 - PW157	1
PW161 - PW171	1
PW201 - PW252	1
PW261 - PW268	1
PW271 - PW276	1
PW278	1
PW281 - PW293	1
PW296	1
PW421 - PW424	1
PW431 - PW435	1
PW441 - PW450	1
PW461 - PW467	1
PW501 - PW504	1
PW511 - PW522	1
PW524 - PW530	1
PW561 - PW564	1
PW571 - PW576	1
PW591 - PW596	1
PW631 - PW637	1
PW661 - PW662	1
PW681 - PW683	1
PW701 - PW702	1
PW711 - PW717	1
PW741 - PW742	1
PW761	1
PW771	1

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Variable Number	Group
PW831	1
PW851 - PW856	1
PY113	2
PY151 - PY154	2
PY191	2
PY242	2
PY441	2
PY611 - PY612	2

2. Spares Affected

None.

B. Concurrent Requirements

Group 1:

None.

Group 2:

The service bulletin(s) listed below must be done before or at the same time as this service bulletin:

Group 2:

Company	Service Bulletin	Description
Boeing	737-26-1034 (a)	Lavatory Smoke Detection System Installation
	737-26-1037 (b)	Lavatory Smoke Detection System Installation
	737-26-1039 (c)	Lavatory Smoke Detection System Installation
	737-26-1046 (d)	Lavatory Smoke Detection System Modification
	737-26-1047 (e)	Lavatory Smoke Detection System Installation
	737-26-1048 (f)	Lavatory Smoke Detection System Installation
	737-26-1049 (g)	Lavatory Smoke Detection System Modification
	737-26-1053 (h)	Lavatory Smoke Detection System Installation
	737-26-1056 (i)	Lavatory Smoke Detection System Modification
	737-26-1074 (j)	Lavatory Smoke Detection System Installation
(a) For Airplane PP164 only.		
(b) For Airplane PK616 only.		
(c) For Airplanes PK253 and PK257-PK258 only.		
(d) For Airplane PK511 only.		

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Group 2:

Company	Service Bulletin	Description
(e)	For Airplanes PP771-PP774 only.	
(f)	For Airplanes PY611-PY612 only.	
(g)	For Airplane PK309 only.	
(h)	For Airplane PY191 only.	
(i)	For Airplane PY113 only.	
(j)	For Airplanes PK901-PK938 only	

C. Reason

The lavatory smoke detector manufacturer, JAMCO, plans to stop production of certain PU90-400 series smoke detectors. The Metal Oxide Semiconductor Field Effect Transistor (MOSFET) used in the smoke detector circuit is no longer in production and no other suitable replacement MOSFETs are available. Operators will not be able to order certain PU90-400 series smoke detectors from JAMCO. JAMCO notified Boeing of their intention to discontinue making certain PU90-400 series smoke detectors. If this service bulletin is not done and the lavatory smoke detector stops working, operators will not be able to purchase a replacement from JAMCO, which can result in service disruptions and inability to dispatch.

Boeing Fleet Team Digest (FTD) 737 FTD 26-09001 is related to this service bulletin.

D. Description

In each airplane lavatory, replace the JAMCO Smoke Detector with a Kidde Smoke Detector and do the Lavatory Smoke Detection - Self Test.

Accomplishment of this service bulletin changes the flight deck and/or operations of the airplane. Refer to Paragraph 1.K., Publications Affected, for affected publications.

The work in this service bulletin is done in the maintenance zone(s) given below.

Group 1:

Affected Maintenance Zones	
Model	Zone
737-300, 737-400, 737-500	103, 113, 114, 211, 212

Group 2:

Affected Maintenance Zones	
Model	Zone
737-300	103, 113, 114, 211, 212

Group 2:

Affected Maintenance Zones	
Model	Zone
737-200, 737-200C	1-3, 1-13, 1-14, 2-11, 2-12

E. Compliance

No compliance time is given.

Boeing recommends that this service bulletin be done at the operator's discretion.

F. Approval

This service bulletin was examined by the Federal Aviation Administration (FAA). The changes specified in this service bulletin comply with the applicable regulations and are FAA approved, as well as European Aviation Safety Agency (EASA)/Joint Aviation Authorities (JAA) approved for all EASA/JAA approved airplanes listed in the service bulletin effectivity. This service bulletin and its approval were based on the airplane in its original Boeing delivery configuration or as modified by other approved Boeing changes.

If an airplane has a non-Boeing modification or repair that affects a component or system also affected by this service bulletin, the operator is responsible for obtaining appropriate regulatory agency approval before incorporating this service bulletin.

G. Manpower

The table below shows an estimate of the task hours necessary to do this change for each airplane lavatory. This estimate is for direct labor only, done by an experienced crew. Adjust the estimate with operator task hour data if necessary. The estimate does not include lost time. These are some examples of lost time:

- Time to adjust to the workplace
- Time to schedule the work
- Time to inspect the work
- Time to cure the materials
- Time to make the parts
- Time to find the tools.

Group 1-2, Configuration 1:

AIRPLANES WITH JAMCO SMOKE DETECTOR PART NUMBERS PU90-431R3, PU90-461R3, OR PU90-499R3 INSTALLED

Task	Number of Persons	Task Hours	Elapsed Hours
Open Access (a)	1	0.30	0.30
FIGURE 1	1	0.30	0.30
FIGURE 2	1	0.15	0.15
Test	1	0.25	0.25

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Group 1-2, Configuration 1:

AIRPLANES WITH JAMCO SMOKE DETECTOR PART NUMBERS PU90-431R3, PU90-461R3, OR PU90-499R3 INSTALLED

Task	Number of Persons	Task Hours	Elapsed Hours
Close Access (a)	1	0.30	0.30
TOTAL FOR EACH AIRPLANE LAVATORY (b)		0.70	0.70
(a) Task hours and elapsed hours are for each airplane.			
(b) Total does not include open and close access.			

Group 1-2, Configuration 1:

NOTE: This estimate does not include the task hour data given in the service bulletin(s) in Paragraph 1.B., Concurrent Requirements.

Group 1-2, Configuration 2:

AIRPLANES WITH JAMCO SMOKE DETECTOR PART NUMBERS PU90-461R4 OR PU90-499R4 INSTALLED

Task	Number of Persons	Task Hours	Elapsed Hours
Open Access (a)	1	0.30	0.30
FIGURE 1	1	0.30	0.30
FIGURE 3	1	0.15	0.15
Test	1	0.25	0.25
Close Access (a)	1	0.30	0.30
TOTAL FOR EACH AIRPLANE LAVATORY (b)		0.70	0.70
(a) Task hours and elapsed hours are for each airplane.			
(b) Total does not include open and close access.			

Group 1-2, Configuration 2:

NOTE: This estimate does not include the task hour data given in the service bulletin(s) in Paragraph 1.B., Concurrent Requirements.

H. Weight and Balance Changes

None.

I. Electrical Load Data

Not applicable.

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J. References

1. Existing Data:
 - a. Boeing Service Bulletin 737-26-1034, 737-26-1037, 737-26-1039, 737-26-1046, 737-26-1047, 737-26-1048, 737-26-1049, 737-26-1053, 737-26-1056, 737-26-1074
 - b. Service Bulletin Index D6-19567
 - c. Standard Overhaul Practices Manual (SOPM) 20-50-01
 - d. 737 Fleet Team Digest (FTD) 26-09001
 - e. 737-100/200 Aircraft Maintenance Manual (AMM) 24-22-00, 26-14-00
 - f. 737-300/400/500 Aircraft Maintenance Manual (AMM) 24-22-00, 26-14-00
2. Data Supplied with this Service Bulletin:

None.
3. Installation Drawings Used in the Preparation of this Service Bulletin:

None.

K. Publications Affected

1. Publications:

Publication	Chapter-Section
737 Aircraft Maintenance Manual	26-14
737 Illustrated Parts Catalog	26-14
737 Flight Crew Operations Manual	8.20
Task Cards	26

2. Damage Tolerance Based Structural Inspections:

Boeing has evaluated the repairs and/or changes in this service bulletin for effects on Fatigue Critical Structure (FCS) and for changes to Damage Tolerance Inspections (DTI) required in the Maintenance Program. This service bulletin does not affect FCS, therefore DTIs are not necessary.

L. Interchangeability and Intermixability of Parts

Refer to Paragraph 2.C., Parts Necessary for Each Airplane, for interchangeability and intermixability information.

M. Software Accomplishment Summary

Not affected.

2. MATERIAL INFORMATION**A. Material - Price and Availability**

The operator can supply the parts and materials shown in Paragraph 2.C., Parts Necessary for Each Airplane. As an alternative, operators can purchase the parts from Boeing Spares. This service bulletin does not show the Boeing price and supply data.

B. Industry Support Information

Boeing warranty remedies are not available for the configuration changes given in this service bulletin.

C. Parts Necessary for Each Airplane**1. Kits/Parts**

None.

2. Parts and Materials Supplied by the Operator

The following parts or materials are necessary to do the change in this service bulletin. Parts and materials in the manuals given in Paragraph 1.J., References, can also be necessary. Examine operator part and material supply to make sure all necessary parts and materials are available.

Group 1-2, Configuration 1:**AIRPLANES WITH JAMCO SMOKE DETECTOR PART NUMBERS PU90-431R3, PU90-461R3, OR PU90-499R3 INSTALLED**

Part Number / Specification	QTY	Name	Existing Part Number	Notes
475571-2	1	SMOKE DETECTOR, M3000 DISCRETE PHOTOELECTRIC	PU90-431R3 OR PU90-461R3 OR PU90-499R3	(a) (b) (c) (d)
(a) Keep the existing part if there are other uses for it.				
(b) Quantity listed is for each lavatory installed on the airplane.				
(c) Can be purchased from: Kidde Technologies Incorporated, Kidde Aerospace and Defense (CAGE: 61423), 4200 Airport Drive North West, Wilson, North Carolina, 27896-8630, U.S.A.				
(d) You can use the existing part to replace the new or changed part. If you use the existing part, you cancel the effect of the change given in this service bulletin.				

Group 1-2, Configuration 2:**AIRPLANES WITH JAMCO SMOKE DETECTOR PART NUMBERS PU90-461R4 OR PU90-499R4 INSTALLED**

Part Number / Specification	QTY	Name	Existing Part Number	Notes
475571-3	1	SMOKE DETECTOR, M3000 DISCRETE PHOTOELECTRIC	PU90-461R4 OR PU90-499R4	(a) (b) (c) (d)
(a) Keep the existing part if there are other uses for it.				

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Group 1-2, Configuration 2:

AIRPLANES WITH JAMCO SMOKE DETECTOR PART NUMBERS PU90-461R4 OR PU90-499R4 INSTALLED

Part Number / Specification	QTY	Name	Existing Part Number	Notes
(b) Quantity listed is for each lavatory installed on the airplane.				
(c) Can be purchased from: Kidde Technologies Incorporated, Kidde Aerospace and Defense (CAGE: 61423), 4200 Airport Drive North West, Wilson, North Carolina, 27896-8630, U.S.A.				
(d) You can use the existing part to replace the new or changed part. If you use the existing part, you cancel the effect of the change given in this service bulletin.				

3. Parts Modified and Reidentified

None.

4. Parts Removed and Not Replaced

None.

D. Parts Necessary to Change Spares

None.

E. Special Tooling - Price and Availability

None.

F. Special Tooling Necessary to do this Service Bulletin

No special tools or equipment are necessary to do the change in this service bulletin. But, maintenance and overhaul tools in the manuals given in Paragraph 1.J., References, can be necessary. Examine operator tool supply to make sure all necessary tools are available.

3. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL INFORMATION

CAUTION: KEEP THE WORK AREA, WIRES AND ELECTRICAL BUNDLES CLEAN OF METAL PARTICLES OR CONTAMINATION WHEN YOU USE TOOLS. UNWANTED MATERIAL, METAL PARTICLES OR CONTAMINATION CAUGHT IN WIRE BUNDLES CAN CAUSE DAMAGE TO THE BUNDLES. DAMAGED WIRE BUNDLES CAN CAUSE SPARKS OR OTHER ELECTRICAL DAMAGE.

- NOTE:**
1. Manual titles are referred to by acronyms. Refer to Paragraph 1.J., References, for definition of the acronyms.
 2. Obey all of the warnings and cautions given in the specified manual sections.
 3. Unless shown differently, these dimensions and tolerances are used:
 - Linear dimensions are in inches
 - Tolerance on linear dimensions, other than rivet and bolt edge margins, is plus or minus 0.03 inch
 - Tolerance on rivet and bolt edge margin is plus or minus 0.05 inch
 - Angular tolerance is plus or minus 2 degrees
 - Hole dimensions for standard solid rivets and fasteners are in Structural Repair Manual (SRM) Chapter 51
 - Torque Values:
 - Values for structural fasteners are given in 737 Structural Repair Manual, Chapter 51.
 - Values for airframe maintenance tasks are included in Chapter 20 of 737 Aircraft Maintenance Manual (AMM).
 - Values for electrical maintenance tasks are included in Chapter 20 of Standard Wiring Practices Manual (SWPM).
 - Values for engine maintenance tasks are included in Chapter 70 of 737 Aircraft Maintenance Manual (AMM).
 - Non-standard torque values for maintenance tasks are included in the applicable installation step.
 4. Use the approved fastener, process and material substitutions in accordance with SRM Chapter 51.
 5. If the length of any fastener specified in this service bulletin does not meet installation standards given in SRM Chapter 51, then a fastener of the same specification, or an approved substitute, with a length which meets the installation standards given in SRM Chapter 51 may be used. In addition, washers may be installed for fastener grip length in accordance with SRM Chapter 51. Refer to SOPM 20-50-01 for alternate full threaded fasteners (screws) needed for installation in this service bulletin.
 6. These work instructions refer to procedures included in other Boeing documents. When the words "refer to" are used and the operator has an accepted alternative procedure, the accepted alternative procedure can be used. When the words "in accordance with" are included in the instruction, the procedure in the Boeing document must be used.

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7. The instructions in Paragraph 3.B., Work Instructions and the figures can include operation of tools or test equipment. Boeing Engineering Tool Drawings, the Illustrated Tool and Equipment Manual, and the Special Tool and Ground Handling Drawing Index contain data on versions of the tools or test equipment that you can use. It is permitted to use replaced tools. It is not permitted to use superseded tools.
8. If it is necessary to remove more parts for access, you can remove those parts. If you can get access without removing identified parts, it is not necessary to remove all of the identified parts. Jacking and shoring limitations must be observed.
9. Where the work instructions include installation of a kept part, a new or serviceable part with the same part number can be installed as an alternative to the kept part.
10. This service bulletin includes functional test procedures for the systems changed by this service bulletin. More functional tests can possibly be necessary in accordance with standard maintenance practices because of interruption to other airplane systems.
11. Use of colors in Figures is based on guidance from the ATA e-Business Program (ATA) iSpec 2200.

B. WORK INSTRUCTIONS

REMOVE THE AIRPLANE LAVATORY SMOKE DETECTOR

1. Open the PASS & CREW CALL/LAV SMOKE DETECTOR Circuit Breaker on P18-4 Panel and install safety tags.
2. Get access to the lavatory.
3. Remove smoke detector and the ceiling bracket in accordance with FIGURE 1.
4. Identify the part number of the removed smoke detector.

Group 1-2, Configuration 1:

AIRPLANES WITH JAMCO SMOKE DETECTOR PART NUMBERS PU90-431R3, PU90-461R3, OR PU90-499R3 INSTALLED

1. Prepare to install new smoke detector.
 - a. If the lanyard is not connected to the smoke detector, attach the lanyard from the ceiling bracket to the smoke detector.
 - b. If the ceiling bracket is not connected to the smoke detector, install the ceiling bracket to the smoke detector with the mounting screws.

NOTE: Do not tighten the mounting screws at this time. The ceiling bracket should be loosely attached to the smoke detector.

2. Install new smoke detector in accordance with FIGURE 2.
3. Close the PASS & CREW CALL/LAV SMOKE DETECTOR Circuit Breaker on P18-4 Panel and remove safety tags.

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4. Do the Lavatory Smoke Detection - Self Test in accordance with the instructions that follow:
 - a. Supply electrical power to the airplane. Refer to 737-100/200 AMM 24-22-00 or 737-300/400/500 AMM 24-22-00 as an accepted procedure.

NOTE: Refer to appropriate airplane minor model Aircraft Maintenance Manual (AMM).
 - b. Make sure the PASS & CREW CALL/LAV SMOKE DETECTOR Circuit Breaker on P18-4 Panel is closed.
 - c. Make sure the LED Status Indicator on the lavatory smoke detector is a solid green light.
 - d. Push and hold the SELF TEST switch on the smoke detector with a small screwdriver, or other appropriate tool.
 - e. Make sure these alarm indications occur:
 - (1) Lavatories:
 - (a) The LED status indicator turns to a solid red light on the smoke detector.
 - (b) You can hear the smoke detector alarm horn in the lavatory.
 - (2) Passenger Compartment:
 - (a) For alarm indications, refer to 737-100/200 AMM 26-14-00 or 737-300/400/500 AMM 26-14-00.

NOTE:

 1. Refer to appropriate airplane minor model AMM.
 2. Not all airplanes are equipped with alarm indicators in the passenger compartment.
 - (3) Flight Compartment:
 - (a) For alarm indications, refer to 737-100/200 AMM 26-14-00 or 737-300/400/500 AMM 26-14-00.

NOTE:

 1. Refer to appropriate airplane minor model AMM.
 2. Not all airplanes are equipped with alarm indicators in the flight compartment.
 - f. Release the SELF TEST switch.
 - (1) Make sure all external alarm indications stop.
5. Close access to the lavatory.
6. Put the airplane back to a serviceable condition.

Group 1-2, Configuration 2:

**AIRPLANES WITH JAMCO SMOKE DETECTOR PART NUMBERS PU90-461R4 OR PU90-499R4
INSTALLED**

1. Prepare to install new smoke detector.
 - a. If the lanyard is not connected to the smoke detector, attach the lanyard from the ceiling bracket to the smoke detector.
 - b. If the ceiling bracket is not connected to the smoke detector, install the ceiling bracket to the smoke detector with the mounting screws.

NOTE: Do not tighten the mounting screws at this time. The ceiling bracket should be loosely attached to the smoke detector.

2. Install new smoke detector in accordance with FIGURE 3.
3. Close the PASS & CREW CALL/LAV SMOKE DETECTOR Circuit Breaker on P18-4 Panel and remove safety tags.
4. Do the Lavatory Smoke Detection - Self Test in accordance with the instructions that follow:
 - a. Supply electrical power to the airplane. Refer to 737-100/200 AMM 24-22-00 or 737-300/400/500 AMM 24-22-00 as an accepted procedure.

NOTE: Refer to appropriate airplane minor model AMM.

- b. Make sure the PASS & CREW CALL/LAV SMOKE DETECTOR Circuit Breaker on P18-4 Panel is closed.
- c. Make sure the LED Status Indicator on the lavatory smoke detector is a solid green light.
- d. Push and hold the SELF TEST switch on the smoke detector with a small screwdriver, or other appropriate tool.
- e. Make sure these alarm indications occur:

(1) Lavatories:

- (a) The LED status indicator turns to a solid red light on the smoke detector.
- (b) You can hear the smoke detector alarm horn in the lavatory.

(2) Passenger Compartment:

- (a) For alarm indications, refer to 737-100/200 AMM 26-14-00 or 737-300/400/500 AMM 26-14-00.

- NOTE:**
1. Refer to appropriate airplane minor model AMM.
 2. Not all airplanes are equipped with alarm indicators in the passenger compartment.

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(3) Flight Compartment:

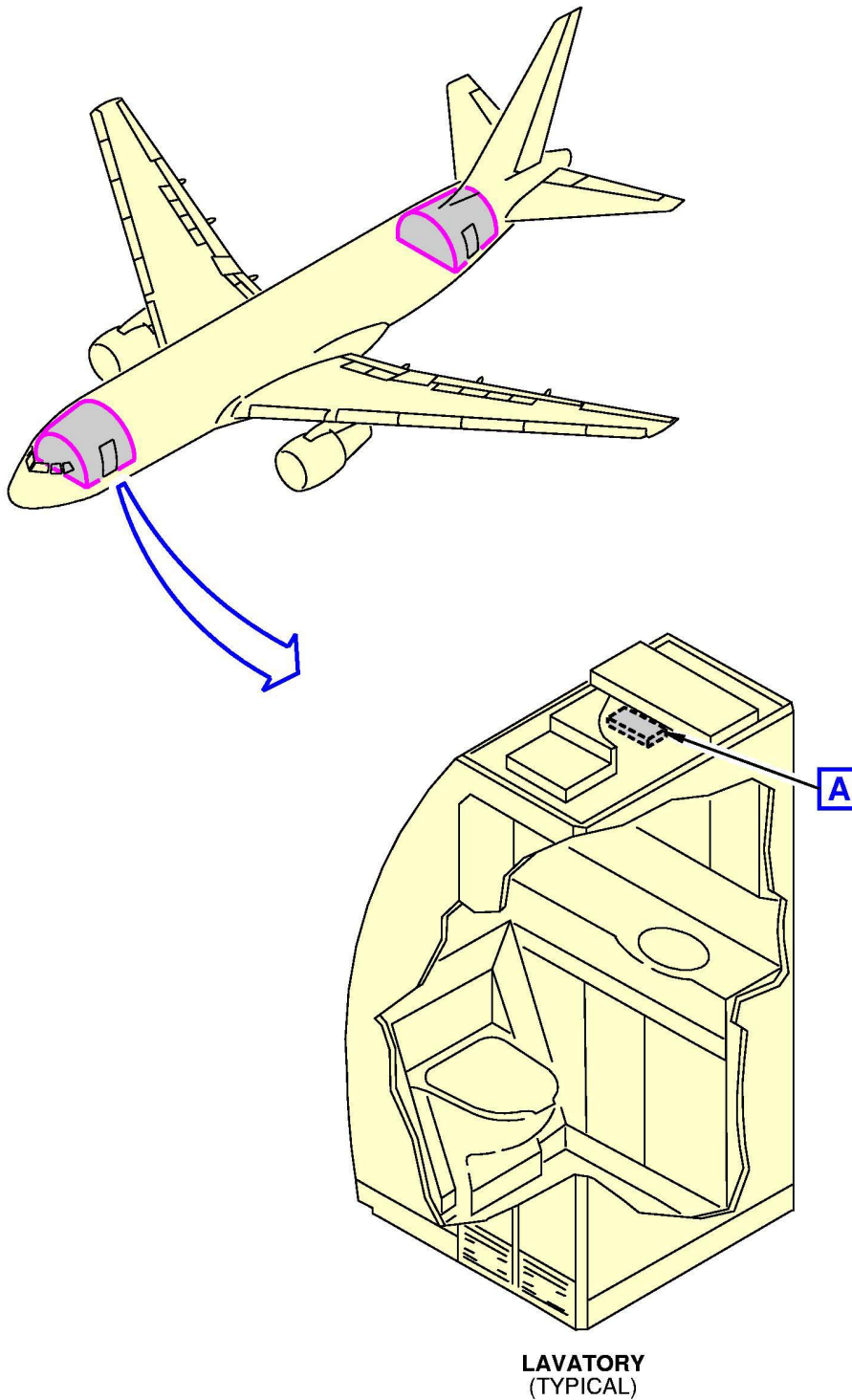
- (a) For alarm indications, refer to 737-100/200 AMM 26-14-00 or 737-300/400/500 AMM 26-14-00.

- NOTE:**
- 1. Refer to appropriate airplane minor model AMM.
 - 2. Not all airplanes are equipped with alarm indicators in the passenger compartment.

f. Release the SELF TEST switch.

- (1) Make sure all external alarm indications stop.

- 5. Close access to the lavatory.
- 6. Put the airplane back to a serviceable condition.



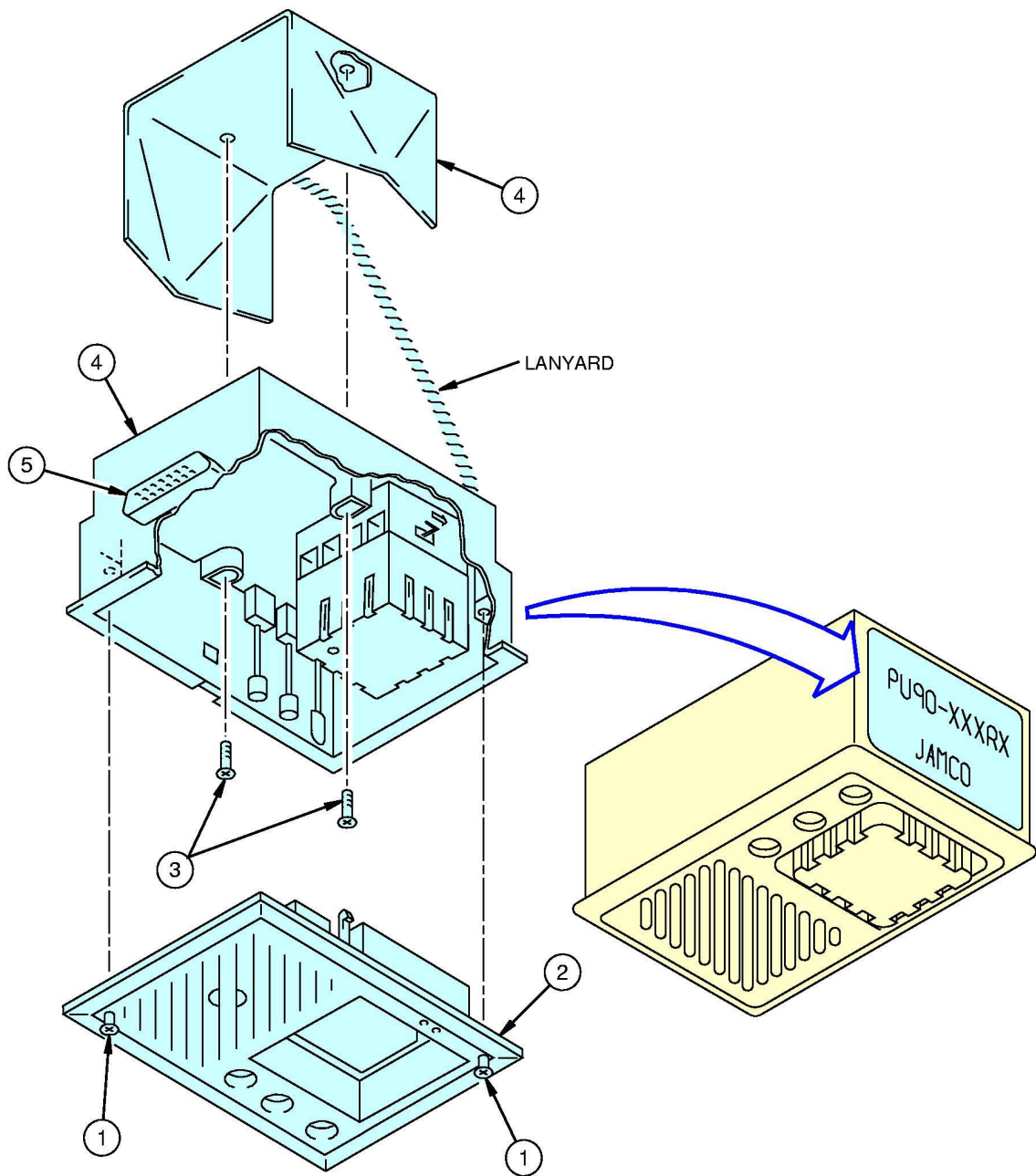
2378896

**FIGURE 1: PASSENGER CABIN LAVATORY SMOKE DETECTOR REMOVAL
(SHEET 1 OF 3)**

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TYPICAL



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**FIGURE 1: PASSENGER CABIN LAVATORY SMOKE DETECTOR REMOVAL
(SHEET 2 OF 3)**

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The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for each lavatory.

Step	Task	Name	Identification	Qty	More Data
1	Loosen	Screws	-	2	(a)
2	Remove	Smoke Detector Faceplate	-	1	
3	Remove	Screws	-	2	
4	Remove	Smoke Detector	PU90-XXXRX	1	(b)
	Remove	Ceiling Bracket	-	1	
5	Disconnect	Electrical Connector	-	1	
(a) The screws are attached to the faceplate and cannot be removed.					
(b) Where PU90-XXXRX is one of the part numbers that follow: PU90-499R4, PU90-499R3, PU90-461R4, PU90-461R3, or PU90-431R3.					

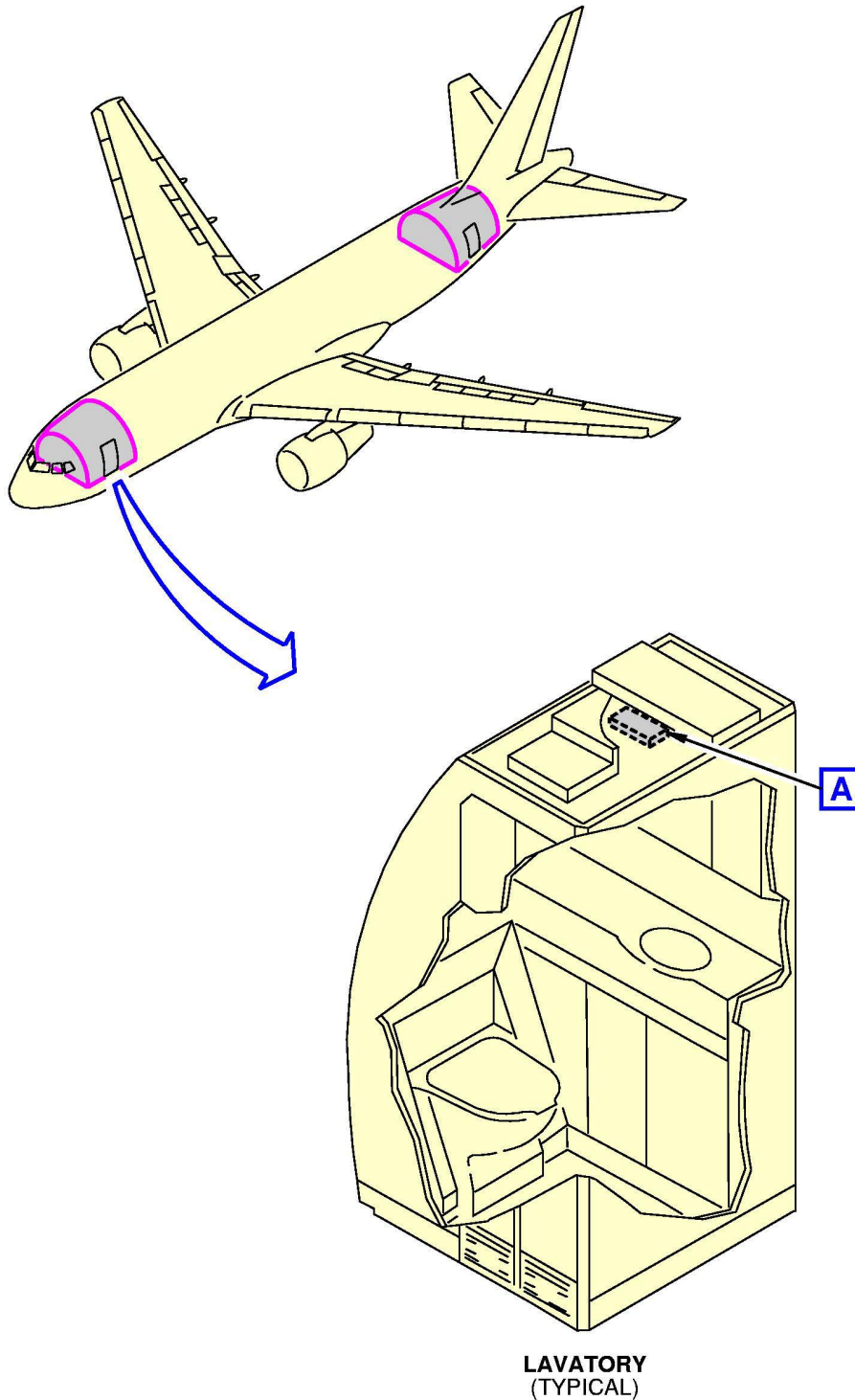
**FIGURE 1: PASSENGER CABIN LAVATORY SMOKE DETECTOR REMOVAL
(SHEET 3 OF 3)**

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This Figure applies only to: Group 1-2, Configuration 1.



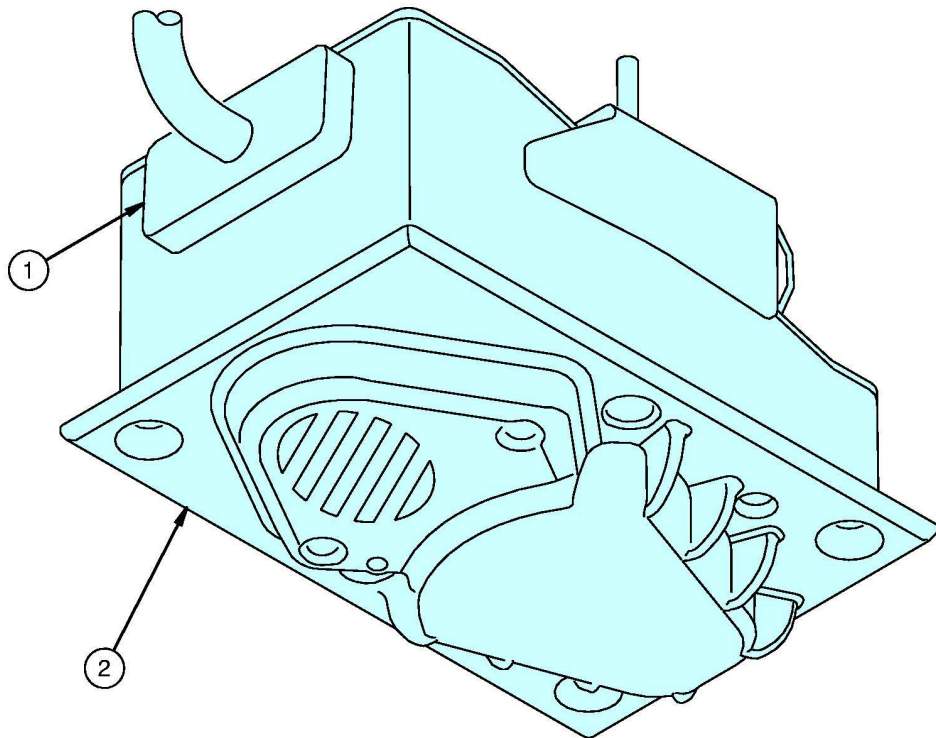
**FIGURE 2: PASSENGER CABIN LAVATORY SMOKE DETECTOR INSTALLATION
(SHEET 1 OF 2)**

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LAVATORY SMOKE DETECTOR

A

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The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for each lavatory.

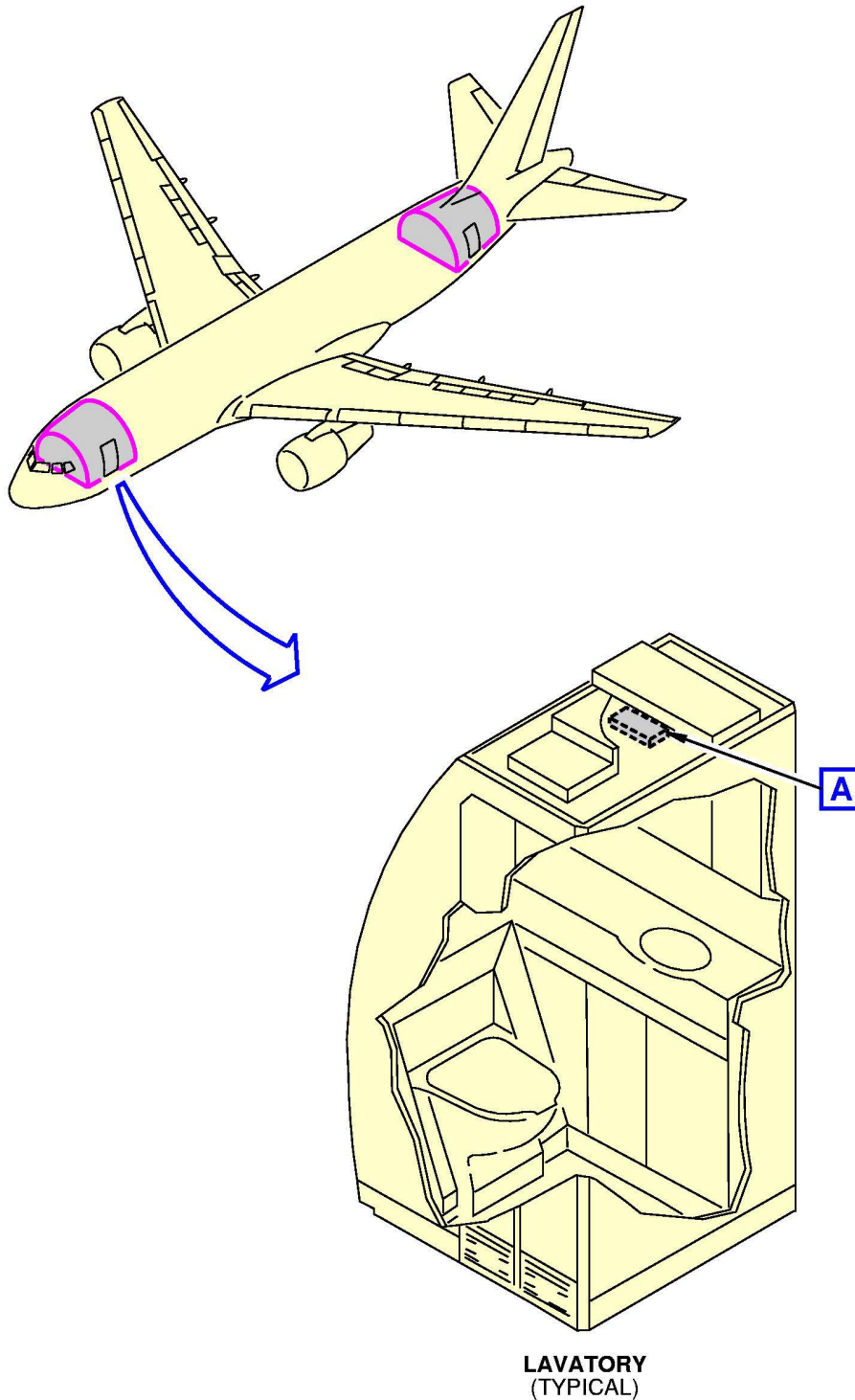
Step	Task	Name	Identification	Qty	More Data
1	Connect	ELECTRICAL CON- NECTOR	-	1	
2	Install (New)	SMOKE DETECTOR, M3000 DISCRETE PHOTOELECTRIC	475571-2	1	(a) (b) (c)
(a) Put the smoke detector in the correct position in the lavatory ceiling.					
(b) Push the mounting screws until the ceiling bracket is in the correct position.					
(c) Tighten fasteners to 9-10 in/lbs.					

**FIGURE 2: PASSENGER CABIN LAVATORY SMOKE DETECTOR INSTALLATION
(SHEET 2 OF 2)**

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This Figure applies only to: Group 1-2, Configuration 2.



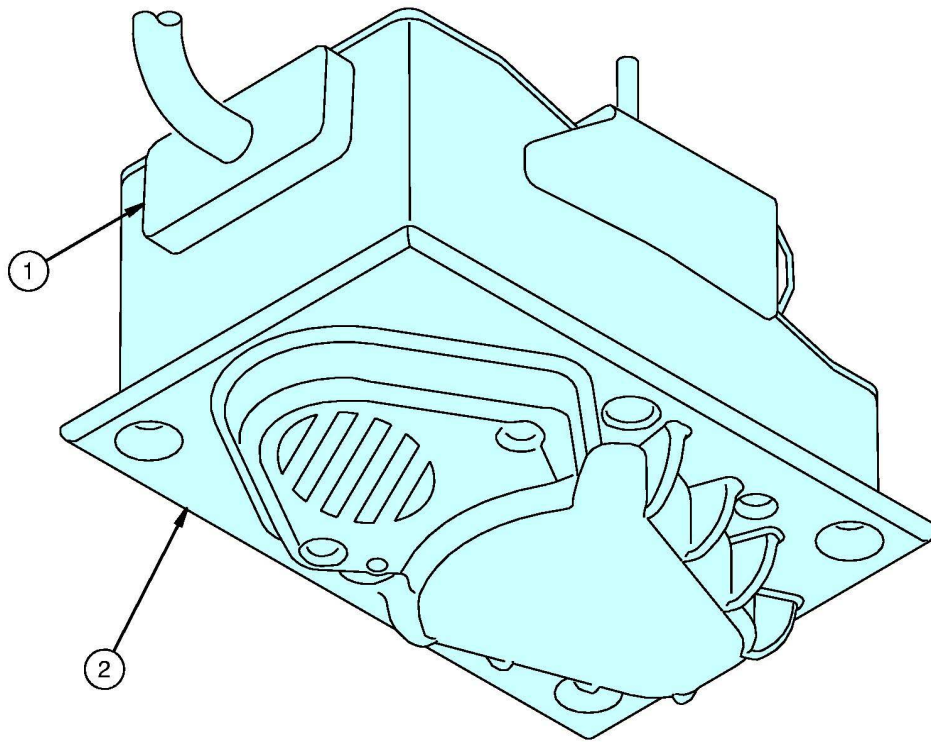
**FIGURE 3: PASSENGER CABIN LAVATORY SMOKE DETECTOR INSTALLATION
(SHEET 1 OF 2)**

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LAVATORY SMOKE DETECTOR

A

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The step numbers shown below agree with the numbers shown in the circle symbols in the figure. The QTY numbers shown below are the number of parts necessary for each lavatory.

Step	Task	Name	Identification	Qty	More Data
1	Connect	ELECTRICAL CON- NECTOR	-	1	
2	Install (New)	SMOKE DETECTOR, M3000 DISCRETE PHOTOELECTRIC	475571-3	1	(a) (b) (c)
(a) Put the smoke detector in the correct position in the lavatory ceiling.					
(b) Push the mounting screws until the ceiling bracket is in the correct position.					
(c) Tighten fasteners to 9-10 in/lbs.					

**FIGURE 3: PASSENGER CABIN LAVATORY SMOKE DETECTOR INSTALLATION
(SHEET 2 OF 2)**

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