



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

AIRCRAFT DISINFECT - SERVICING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to disinfect the aircraft.
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
12-30-02-600-801-A	AIRCRAFT DISINFECT - SERVICING	ALL



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MAINTENANCE MANUAL

TASK 12-30-02-600-801-A

EFFECTIVITY: ALL

2. AIRCRAFT DISINFECT - SERVICING

A. General

- (1) This task gives the procedures to disinfect the passenger cabin, cockpit and baggage compartment.
- (2) Embraer recommends that you do the aircraft disinfection procedure during the overnight.
- (3) The list of the approved insecticides is:
 - (a) BAYGON CE 20%
 - (b) 1-SHOT.
 - (c) D-PHEN/PERM #236T 150G, ONE SHOT CLIP
 - (d) D-PHEN # 203D/N 100G, MULTI SHOT
 - (e) D-PHEN # 203D/P 100G, ONE SHOT CLIP
 - (f) PERM # 203P/N 100G, MULTI SHOT
 - (g) #203 P/P
 - (h) AIREZ
 - (i) For rats: Rat glue trays
- (4) Embraer recommends that you do this task when there are complaints in the aircraft log book.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-10-00/1	
AMM SDS 52-18-00/1	
AMM SDS 52-30-00/1	
AMM SDS 52-43-00/1	
AMM TASK 25-31-03-000-801-A/400	OVENS AND OVEN CONTROLLERS - REMOVAL
AMM TASK 25-31-03-400-801-A/400	OVENS AND OVEN CONTROLLERS - INSTALLATION
AMM TASK 25-31-04-000-801-A/400	-
AMM TASK 25-31-04-400-801-A/400	-
AMM TASK 25-31-05-000-801-A/400	-
AMM TASK 25-31-05-400-801-A/400	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Wiper cloth, lint free	To clean the Hands	AR
Commercially available	Rubber gloves	Hand protection	1
Commercially available	Protective clothes	body protection	1
Commercially available	Dust Mask	To prevent skin irritations and excessive inhalation	1

F. Consumable Materials

<i>SPECIFICATION (BRAND)</i>	<i>DESCRIPTION</i>	<i>QTY</i>
Commercially available	Rat Glue Tray or equivalent	AR
Commercially available	Baygon CE 20% or equivalent	AR
Commercially available	1-SHOT or equivalent	AR
Commercially available	D-PHEN/PERM #236T 150G, ONE SHOT CLIP or equivalent	AR
Commercially available	D-PHEN # 203D/N 100G, MULTI SHOT or equivalent	AR
Commercially available	D-PHEN # 203D/P100G, ONE SHOT CLIP or equivalent	AR
Commercially available	PERM # 203P/N 100G, MULTI SHOT or equivalent	AR
Commercially available	#203 P/P or equivalent	AR
Commercially available	AIREZ or equivalent	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
2	Do the task	Cockpit, passenger cabin and baggage compartment

I. Preparation
SUBTASK 841-002-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Put the warning signs in position to show persons that you will disinfect the aircraft.
- (3) Open the main door ([AMM SDS 52-10-00/1](#)) or ([AMM SDS 52-18-00/1](#)).

NOTE: All other doors must be closed.

- (4) To disinfect the passenger cabin and cockpit do as follows:
- Open the doors of the monuments (galleys, closets, lavatories, overhead bins, wardrobes and stowages).
NOTE: Make sure that all stowage compartments are empty.
 - Remove the galley items of equipment as follows:
 - Oven ([AMM TASK 25-31-03-000-801-A/400](#)), as applicable.
 - Microwave oven (AMM TASK 25-31-04-000-801-A/400), as applicable.
 - Coffee maker (AMM TASK 25-31-05-000-801-A/400), as applicable.
 - Use a protective plastic cover on the cushions and the backrests of the cockpit seats, passenger seats, and attendant seats.
 - Use a protective plastic cover on the cushions of the observer seat.
- (5) Open the baggage compartment door ([AMM SDS 52-30-00/1](#)) to disinfect the baggage compartment.

NOTE: • Close all other doors that give access to the baggage compartment.
• Make sure that the baggage compartment is empty.

J. Servicing

SUBTASK 020-002-A

WARNING: • **PUT ON THE CORRECT FACE MASK. THE GAS IS POISONOUS AND CAN CAUSE ILLNESS OR DEATH.**
• **PUT ON RUBBER GLOVES, GOGGLES AND PROTECTION CLOTHES WHEN YOU USE CLEANING AND DISINFECTANT SOLUTION. THESE PRODUCTS CAN CAUSE INJURY TO YOU.**
• **OBEY THE MANUFACTURE'S INSTRUCTIONS WHEN YOU PREPARE AND APPLY CLEANING AND DISINFECTANT SOLUTIONS. THESE PRODUCTS CONTAIN DANGEROUS SUBSTANCES THAT CAN CAUSE DAMAGE TO THE AIRCRAFT AND CAN CAUSE ILLNESS OR DEATH.**

CAUTION: • **DO NOT APPLY INSECTICIDES ON THE ACRYLIC SURFACES. THESE PRODUCTS CONTAIN SUBSTANCES THAT CAN CAUSE DAMAGE TO THE SURFACES.**
• **OBEY THE MANUFACTURE'S INSTRUCTIONS WHEN YOU PREPARE AND APPLY CLEANING AND DISINFECTANT SOLUTIONS. IF THESE PRODUCTS ARE STRONGER THAN THE ONES SPECIFIED, THEY CAN CAUSE DAMAGE THE DECORATIVE SURFACES.**

NOTE: Let only persons necessary for this procedure go into the aircraft during the task.

- (1) In case of insects, apply the disinfectant to these approved areas with Baygon CE 20%:

- (a) All the floor area.
 - (b) Door joints (with the doors open).
 - (c) Joints, splices, corners and rifts.
 - (d) Along the joints of the sidewalls and skirting panels, and skirting panels with the floor.
 - (e) Seat tracks.
 - (f) Joints of windscreens, if applicable.
 - (g) Joint of partitions.
 - (h) External and internal surfaces of the overhead bins, if applicable.
 - (i) External and internal surfaces of the galleys:
 - 1 Below and behind the galleys.
 - 2 Behind the galley items of equipment.
 - 3 In the waste compartment.
 - (j) In these areas of the lavatory:
 - 1 Behind the toilet and its joints.
 - 2 In the washbasin.
 - 3 Inside the compartments.
 - 4 In the joints of the walls with the floor.
 - (k) External and internal surfaces of the wardrobes, closets, cabinets and stowage compartments.
- (2) Dry all wet surfaces and covers immediately with a lint-free wiper cloth.
- (3) Keep the main door closed for at least 45 min. after the disinfection of the aircraft.
NOTE: You can do external work while the aircraft stays closed after disinfection of its interior.
- (4) Open all the aircraft doors ([AMM SDS 52-10-00/1](#) or [AMM SDS 52-18-00/1](#), [AMM SDS 52-43-00/1](#), and [AMM SDS 52-30-00/1](#)).
- (5) Keep all the doors open for a minimum of 1h to remove the disinfectant gas.

WARNING: OBEY THE MANUFACTURER'S INSTRUCTIONS WHEN YOU PREPARE THE TRAPS. THESE PRODUCTS CAN CAUSE INJURY TO YOU.

- (6) In case of rats, use one of the mixtures with the rat glue trays:

NOTE: Do a daily inspection of the bait and replace it if necessary.

- (a) Mixture one:

1 650 g (1.43 lb) of corn powder;

2 250 g (0.55 lb) of oats flakes;

3 50 g (0.11 lb) of sugar.

(b) Mixture two:

1 885 g (1.95 lb) of bird food;

2 50 g (0.11 lb) of sugar;

3 15 g (0.033 lb) of corn oil.

(c) Use cardboard or plastic plates, PVC pipes and cardboard or wooden boxes to put the mixture in the rat glue trays.

K. Follow-on

SUBTASK 842-002-A

(1) In case disinfection of the passenger cabin and cockpit, do as follows:

(a) Remove the plastic cover from the cushions and the backrests of the cockpit seats, passenger seats, and attendant seats.

(b) Remove the plastic cover from the cushions of the observer seat.

(c) Install the items of equipment of the galleys as follows:

1 Oven ([AMM TASK 25-31-03-400-801-A/400](#)), as applicable.

2 Microwave oven (AMM TASK 25-31-04-400-801-A/400), as applicable.

3 Coffee maker (AMM TASK 25-31-05-400-801-A/400), as applicable.

(d) Close the doors of the monuments (galleys, closets, lavatories, overhead bins, wardrobes and stowages).

(e) Close the main door ([AMM SDS 52-10-00/1](#)) or ([AMM SDS 52-18-00/1](#)).

(2) If the baggage compartment was disinfected, close the baggage compartment door ([AMM SDS 52-30-00/1](#)).

(3) Remove the warning signs.