



AIRCRAFT
MAINTENANCE MANUAL

RVSM CRITICAL REGION - CLEANING/PAINTING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures for painting the RVSM critical region.
- 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).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
53-00-02-100-801-A	RVSM CRITICAL REGION - PAINTING RE- ALL PAIR PROCESS	

TASK 53-00-02-100-801-A
EFFECTIVITY: ALL
2. RVSM CRITICAL REGION - PAINTING REPAIR PROCESS
A. General

- (1) This procedure gives the instructions to repair the paint in the RVSM critical region.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM TASK 20-12-01-930-801-A/200	-
AMM TASK 34-13-04-200-801-A/600	RVSM CRITICAL REGION (SKIN) FOR WAVINESS - INSPECTION
AMM TASK 34-13-04-200-802-A/600	STATIC PORT SURROUNDING PLATE FOR FLUSHNESS AND INTEGRITY - INSPECTION
CPM 51-21-01	-
CPM 51-21-02	-
CPM 51-21-05	-
CPM 51-21-06	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Spray gun	To spray the mixture	

E. Auxiliary Items

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Rubber gloves	Hand protection	AR
Commercially available	Safety goggles	Eye protection	AR
Commercially available	Lint-free cloth	For cleaning	AR

F. Consumable Materials

<i>SPECIFICATION (BRAND)</i>	<i>DESCRIPTION</i>	<i>QTY</i>
ASTM D-740	Methyl Ethyl Ketone (MEK)	AR
MIL-P-17667	Neutral Kraft Paper	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Outside the aircraft
1	Helps the other technician	Outside the aircraft

I. Preparation
SUBTASK 841-002-A

WARNING: • **CLEANING PRODUCTS ARE TOXIC AND FLAMMABLE. A GOOD FLOW OF AIR MUST BE AVAILABLE WHEN THE WORK IS DONE IN CLOSED AREAS.**

- **BE CAREFUL WHEN YOU USE SOLVENTS BECAUSE THEY ARE A HEALTH AND FIRE HAZARD. USE SAFETY GOGGLES AND PROTECTIVE CLOTHING WHEN YOU HANDLE THEM. DO NOT BREATHE THEIR GASES AND WORK IN A WELL VENTILATED AREA.**

CAUTION: • **DO NOT PERMIT THE CLEANING PRODUCTS (SOLVENTS) TO TOUCH PLASTICS OR SEALANT FILLET TO PREVENT DAMAGE TO THEM.**

- **DO NOT PUT THE REMAINING CLEANING MATERIAL BACK INTO THE ORIGINAL CONTAINERS TO PREVENT CONTAMINATION.**
- **DO NOT POUR CLEANING PRODUCT DIRECTLY ON THE SURFACE TO BE CLEANED.**
- **DO NOT PERMIT THE CLEANING PRODUCT TO EVAPORATE BEFORE IT IS DRIED WITH THE SOFT CLOTH.**
- **DO NOT WEAR CLOTHES WITH ZIPPER NOR USE METAL OBJECTS (SUCH AS WATCHES, BRACELETS, AND RINGS) OR METAL TOOLS WHEN YOU CLEAN THE SURFACE.**

- (1) Mask the static port surrounding plate with Neutral Kraft paper which obeys the MIL-P-17667 specification and adhesive tape.

- (2) Remove the paint. Refer to CPM 51-21-01.

NOTE: It is mandatory the removal of the previous painting, before the new paint application. This also applies when only part of the region is being repainted.

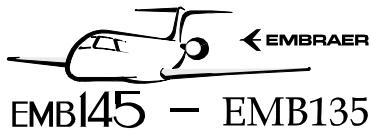
- (3) Clean the area to be painted. Refer to CPM 51-21-02.

- (4) Isolate the area around of the RVSM critical area with Neutral Kraft paper which obeys the MIL-P-17667 specification.

J. RVSM Critical Region Finish - Application
SUBTASK 110-002-A

- (1) Apply conventional epoxy primer according to CPM 51-21-05.

- (2) Apply finish topcoat according to CPM 51-21-06.



EMB145 – EMB135

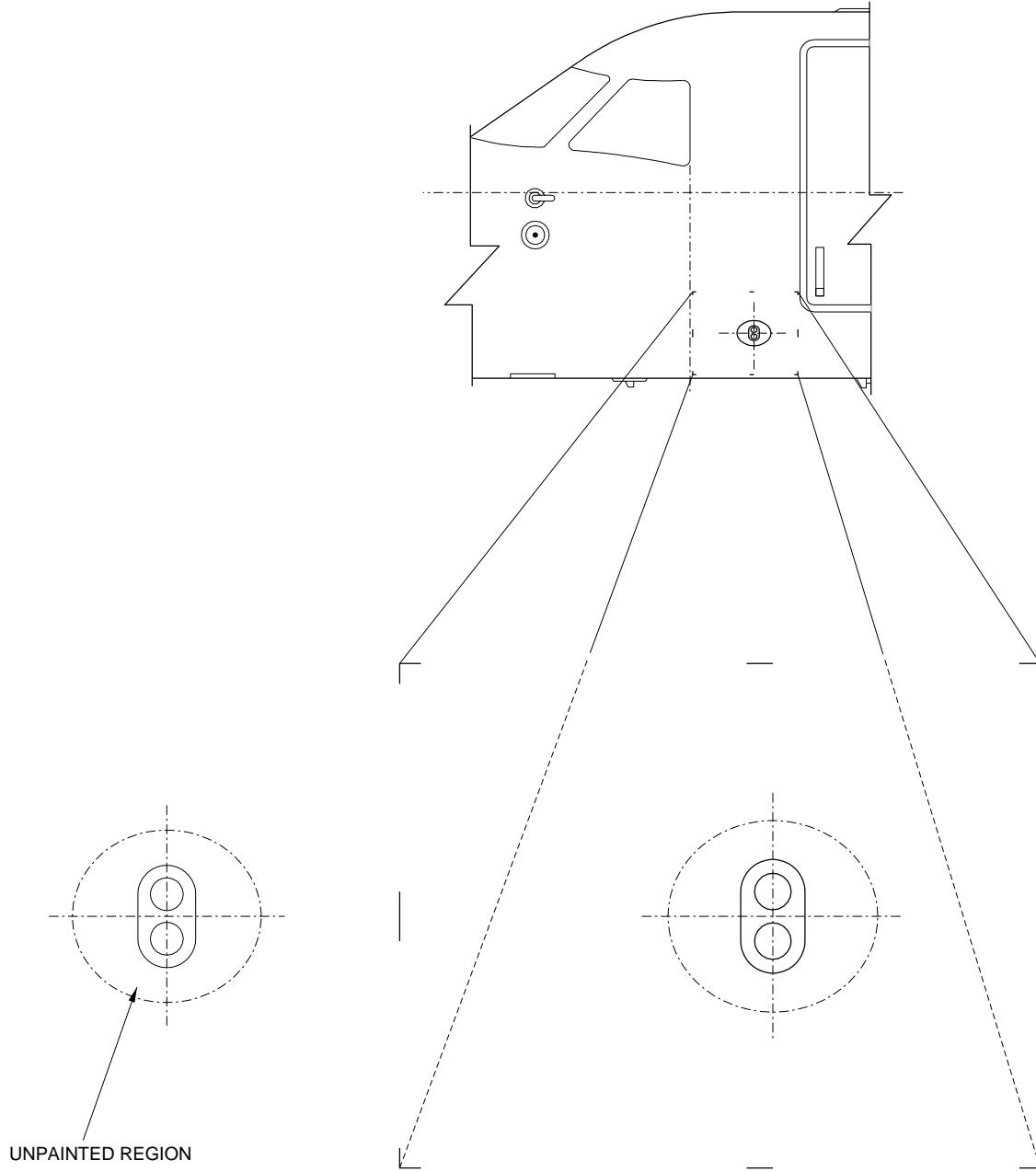
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K. Follow-on

SUBTASK 842-002-A

- (1) Remove the Neutral Kraft paper from the adjacent area and the static port surrounding plate.
- (2) Do the inspections [AMM TASK 34-13-04-200-801-A/600](#) and [AMM TASK 34-13-04-200-802-A/600](#), if one of the following conditions is present:
 - The original painting scheme was modified;
 - The original painting was not removed, prior to the current painting;
 - The thickness of the painting is out of the limits specified in the CPM 51-21-05 and CPM 51-21-06.
- (3) Install the new placard in the same location where the removed placard was. Refer to AMM TASK 20-12-01-930-801-A/200 to apply and bond the placard on the aircraft surfaces.

EFFECTIVITY: ALL
RVSM Critical Region - Painting
Figure 701



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