



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

WATER SPRAY NOZZLE - INSPECTION/CHECK

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to inspect the water spray nozzles of the cooling pack system for obstruction.
- 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>
21-51-13-200-801-A ♦	WATER SPRAY NOZZLES - INSPECTION	ALL

TASK 21-51-13-200-801-A
EFFECTIVITY: ALL
2. WATER SPRAY NOZZLES - INSPECTION
A. General

- (1) This task gives the procedure to inspect the water spray nozzles for obstruction.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-01/100	-
AMM TASK 21-51-13-100-801-A/700	WATER SPRAY NOZZLE - CLEANING

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
191	191EL	LH side of the forward lower fairing
191	191FR	RH side of the forward lower fairing

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Syringe, 20 ml	To inject water into the water-spray nozzle hoses	1
Commercially available	Flashlight	To illuminate the water spray nozzles	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Injects water in the water-spray nozzle hoses	Under the forward lower fairing
1	Looks to see if the water flows freely through the water spray nozzles	Under the forward lower fairing

I. Preparation ([Figure 601](#))
SUBTASK 841-002-A

- (1) Remove access panels 191EL and 191FR (AMM MPP 06-41-01/100).



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- (2) Loosen the clamps (2) that attach the water-spray nozzle hoses (1) to the water collectors (3).

- (3) Disconnect the water-spray nozzle hoses (1) from the water collectors (3).

J. Inspection of Water Spray Nozzles for Obstruction ([Figure 601](#))

SUBTASK 211-002-A

- (1) With a clean syringe, inject water in the water-spray nozzle hoses (1).
- (2) With a flashlight, look into the NACA ram-air inlets to see if the water flows freely through the water spray nozzles (4).
- (3) Clean the water spray nozzles (4) if the water does not flow freely through them ([AMM TASK 21-51-13-100-801-A/700](#)).
- (4) Check the internal passage of the water collector drain boss to make sure it is clean and that it does not have any blockage. With a clean syringe, inject water into the drain boss and check if the water does not return.
- (5) Clean the water collector drain boss if the the water does not flow freely through it.

K. Follow-on ([Figure 601](#))

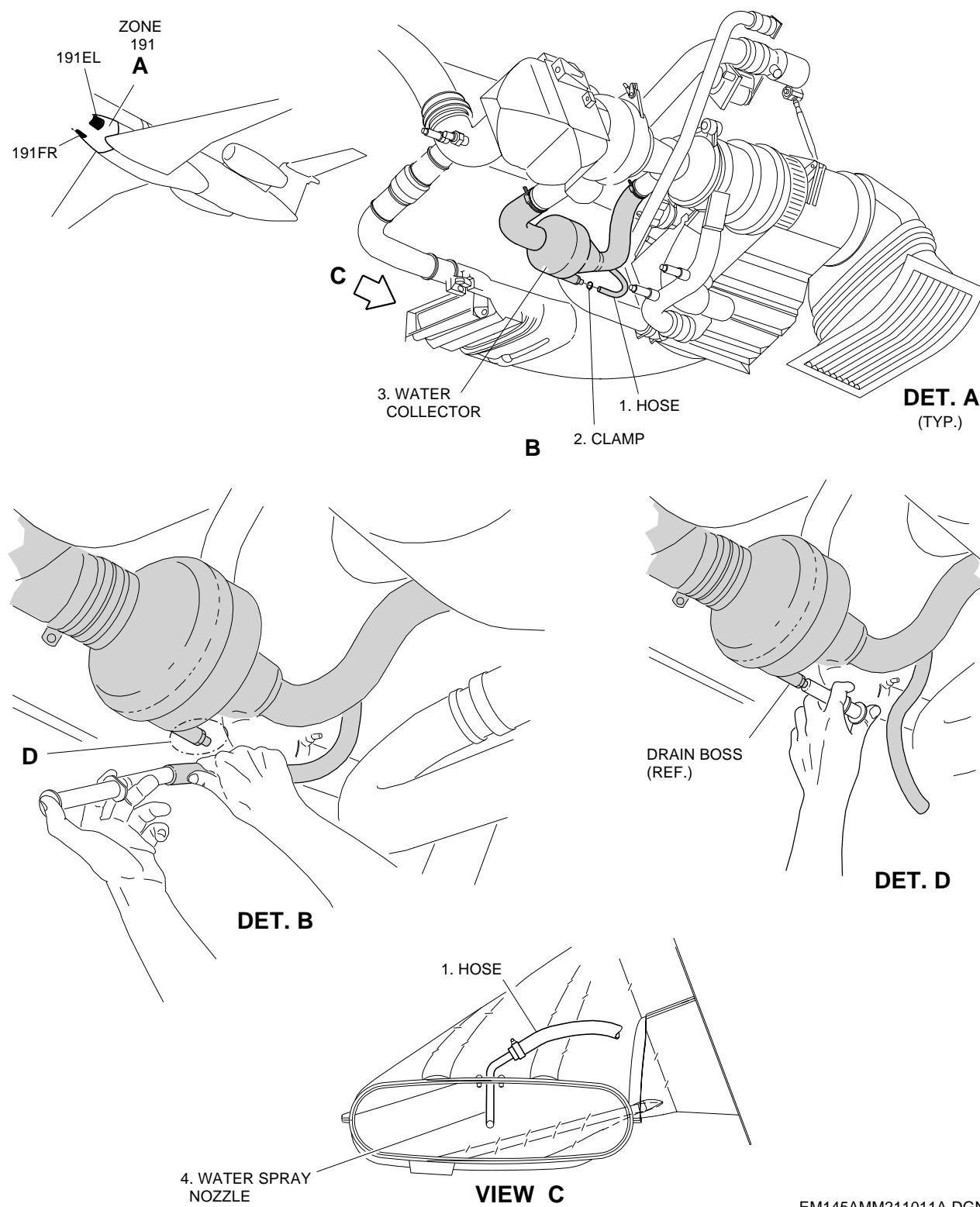
SUBTASK 842-002-A

- (1) Connect the water-spray nozzle hoses (1) to the water collectors (3).
- (2) Tighten the clamps (2) that attach the water-spray nozzle hoses (1) to the water collectors (3).
- (3) Install access panels 191EL and 191FR (AMM MPP 06-41-01/100).

EFFECTIVITY: ALL

Water Spray Nozzles - Inspection

Figure 601



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