

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).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
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

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
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

ITEM	DESCRIPTION	PURPOSE	QTY
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

QTY	FUNCTION	PLACE
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).

- (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](#))

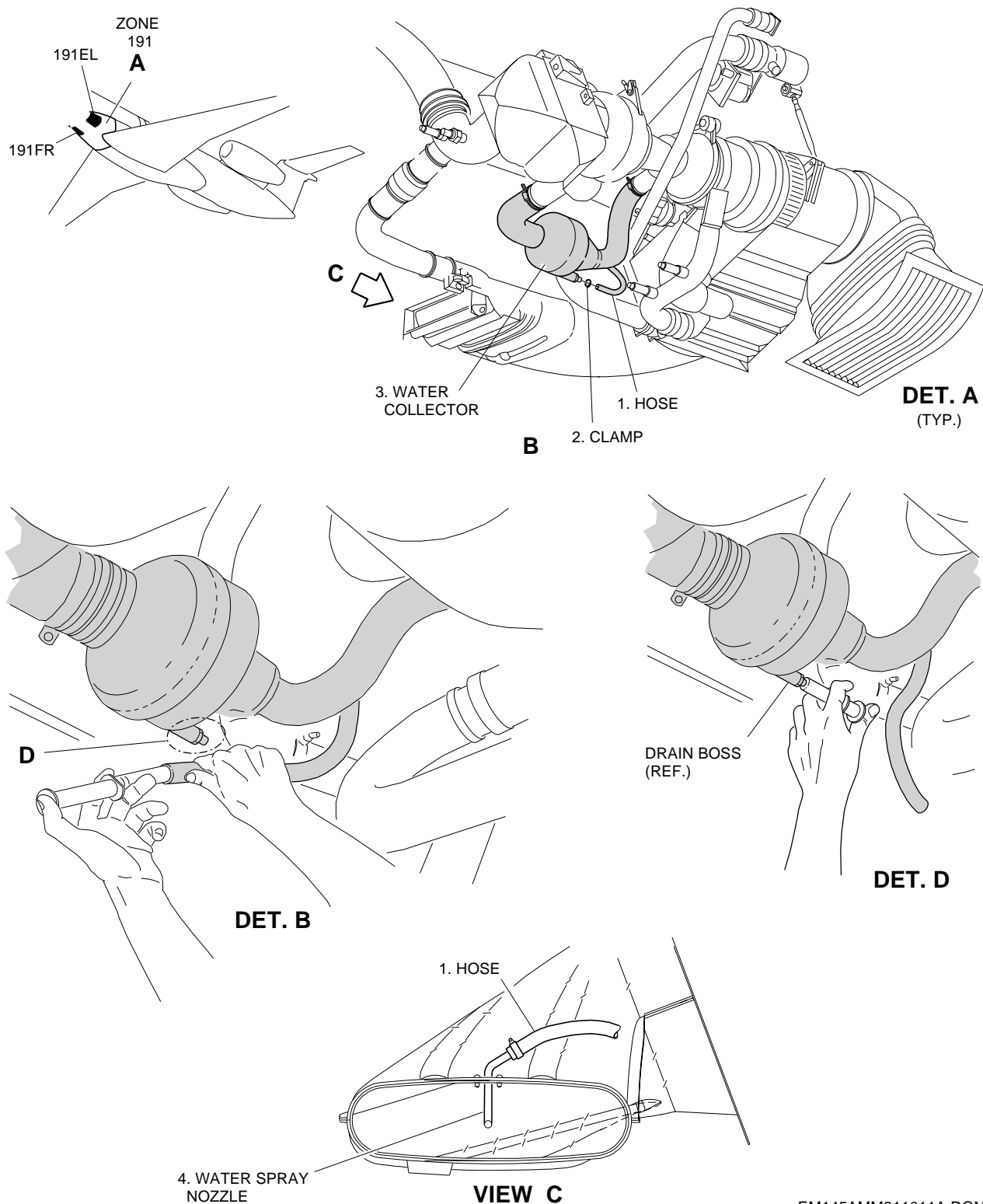
SUBTASK 842-002-A

- (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



EM145AMM211011A.DGN