

WATER SPRAY NOZZLE - CLEANING/PAINTING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to clean the water spray nozzles. This procedure is applicable to the two water spray nozzles.
- B. The water spray nozzles are installed in the ram-air inlet ducts, between the ram air valves and the dual heat exchangers, inside the forward lower fairing.
- C. To do this procedure, you must remove the water spray nozzles.
- D. 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 |
|--------------------|-------------------------------|-------------|
| 21-51-13-100-801-A | WATER SPRAY NOZZLE - CLEANING | ALL |

TASK 21-51-13-100-801-A

EFFECTIVITY: ALL

2. WATER SPRAY NOZZLE - CLEANING

A. General

(1) This task gives the procedure to clean the water spray nozzle.

B. References

| REFERENCE | DESIGNATION |
|---|-----------------------------------|
| AMM TASK 21-51-13-000-801-A/400 | WATER SPRAY NOZZLE - REMOVAL |
| AMM TASK 21-51-13-400-801-A/400 | WATER SPRAY NOZZLE - INSTALLATION |
| IPC 21-51-00 | COOLING PACK SYSTEM |

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

| ITEM | DESCRIPTION | PURPOSE | QTY |
|------------------------|-------------------------------|---------------------------------|-----|
| Commercially available | Compressed air source, 20 psi | To clean the water spray nozzle | |

E. Auxiliary Items

| ITEM | DESCRIPTION | PURPOSE | QTY |
|------------------------|--|---------------------------------|-----|
| Commercially available | Stiff-bristle brush | To clean the water spray nozzle | 1 |
| Commercially available | Nylon fishing line, 1.7 mm (0.039 in) diameter maximum | To clean the water spray nozzle | 1 |

F. Consumable Materials

| SPECIFICATION (BRAND) | DESCRIPTION | QTY |
|------------------------|-------------|-----|
| Commercially available | Mild soap | AR |
| Commercially available | Cloth | AR |

G. Expendable Parts

| ITEM | IPC REFERENCE (VENDOR REFERENCE) | QTY |
|---------------|----------------------------------|-----|
| Tiedown strap | IPC 21-51-00 | 2 |

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|----------------------|
| 1 | Does the task | Outside the aircraft |

I. Preparation

SUBTASK 841-002-A

- (1) Remove the water spray nozzles ([AMM TASK 21-51-13-000-801-A/400](#)).

J. Cleaning of the Water Spray Nozzles ([Figure 701](#))

SUBTASK 140-002-A

EFFECTIVITY: ONLY AIRCRAFT WITH SPRAY NOZZLE 145-25793

- (1) Remove the tiedown strap (1) and the water-spray nozzle ejector (2) from the water-spray nozzle body (3).
- (2) Clean the water-spray nozzle ejector (2) and the water-spray nozzle body (3) with a stiff-bristle brush.
- (3) Wipe inside the water-spray nozzle ejector (2) with a Nylon fishing line.
- (4) Finish the cleaning of the water-spray nozzle ejector (2) and the water-spray nozzle body (3) with a cloth moistened with mild soap.
- (5) Blow the water-spray nozzle body (3) with compressed air at 20 psi.
- (6) Examine with backlight to see if there is obstruction inside the water-spray nozzle ejector (2). If so, clean it again or replace.
- (7) Install the water-spray nozzle ejector (2) and a new tiedown strap (1) on the water-spray nozzle body (3).

K. Cleaning of the Water Spray Nozzles ([Figure 702](#))

SUBTASK 140-003-A

EFFECTIVITY: ONLY AIRCRAFT WITH SPRAY NOZZLE 145-53171

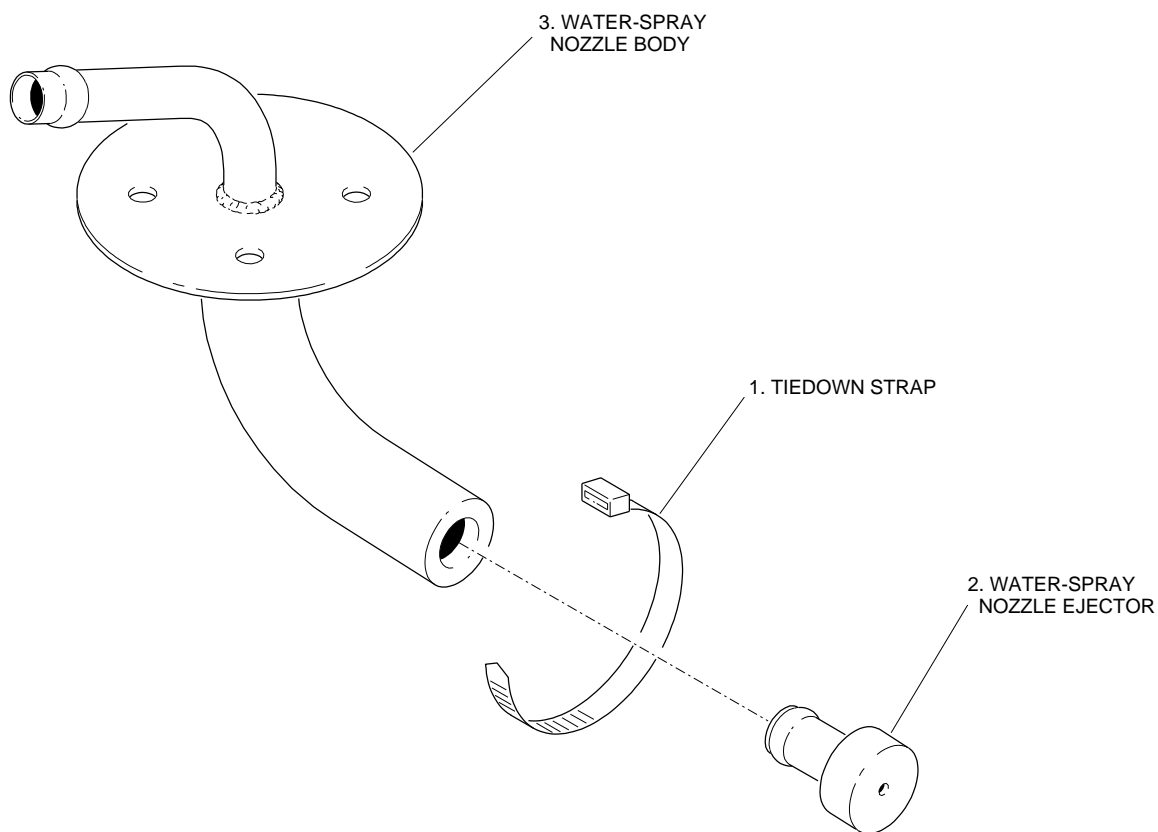
- (1) Remove the the water-spray nozzle ejector (2) from the water-spray nozzle body (1).
- (2) Clean the water-spray nozzle ejector (2) and the water-spray nozzle body (1) with a stiff-bristle brush.
- (3) Wipe inside the water-spray nozzle ejector (2) with a Nylon fishing line.
- (4) Finish the cleaning of the water-spray nozzle ejector (2) and the water-spray nozzle body (3) with a cloth moistened with mild soap.
- (5) Blow the water-spray nozzle body (1) with compressed air at 20 psi.
- (6) Examine with backlight to see if there is obstruction inside the water-spray nozzle ejector (2). If so, clean it again or replace.
- (7) Install the water-spray nozzle ejector (2) on the water-spray nozzle body (1).

L. Follow-on

SUBTASK 842-002-A

- (1) Install the water spray nozzles ([AMM TASK 21-51-13-400-801-A/400](#)).

EFFECTIVITY: ALL
Water Spray Nozzle - Cleaning
Figure 701

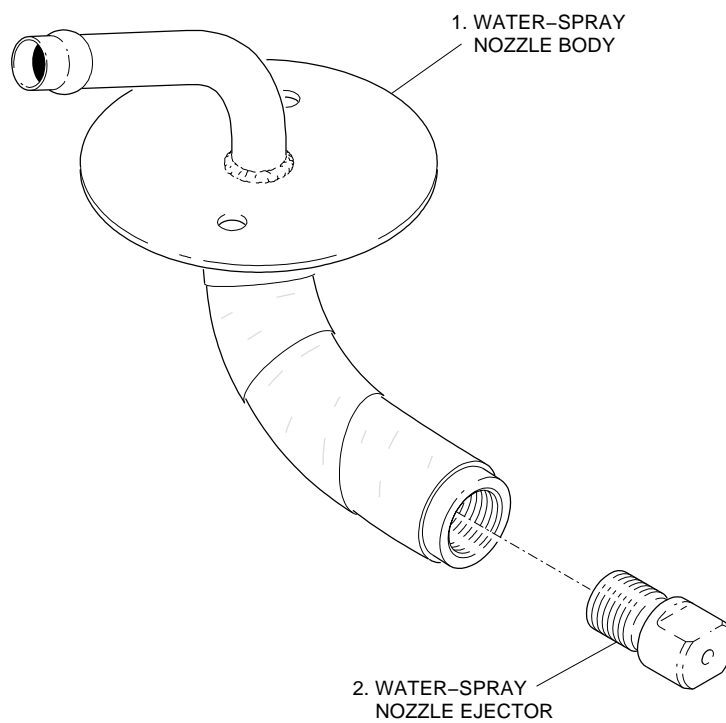


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EFFECTIVITY: ALL

Water Spray Nozzle - Cleaning

Figure 702



145AMM210844.MCE

