



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

DZUS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the dzus.
- 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 |
|--------------------|---------------------|-------------|
| 20-10-12-000-801-A | DZUS - REMOVAL | ALL |
| 20-10-12-400-801-A | DZUS - INSTALLATION | ALL |



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TASK 20-10-12-000-801-A

EFFECTIVITY: ALL

2. DZUS - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the dzus.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|---|
| AMM TASK 20-00-00-910-801-A/200 | AIRCRAFT SAFE PROCEDURES FOR MAINTENANCE SERVICES - MAINTENANCE PRACTICES |

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

| ITEM | DESCRIPTION | PURPOSE | QTY |
|------------------------|-----------------|--------------------|-----|
| Commercially available | Dzus Stud block | To remove the dzus | |
| Commercially available | Hammer | To remove the dzus | |

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|------------------|
| 1 | Does the task | Where applicable |

I. Preparation

SUBTASK 841-002-A

WARNING: MAKE SURE THAT THE AIRCRAFT IS IN A SAFE CONDITION BEFORE YOU DO THE MAINTENANCE PROCEDURES. THIS IS TO PREVENT INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT.

- (1) Do the procedure to make the aircraft safe for maintenance AMM TASK 20-00-00-910-801-A/200.



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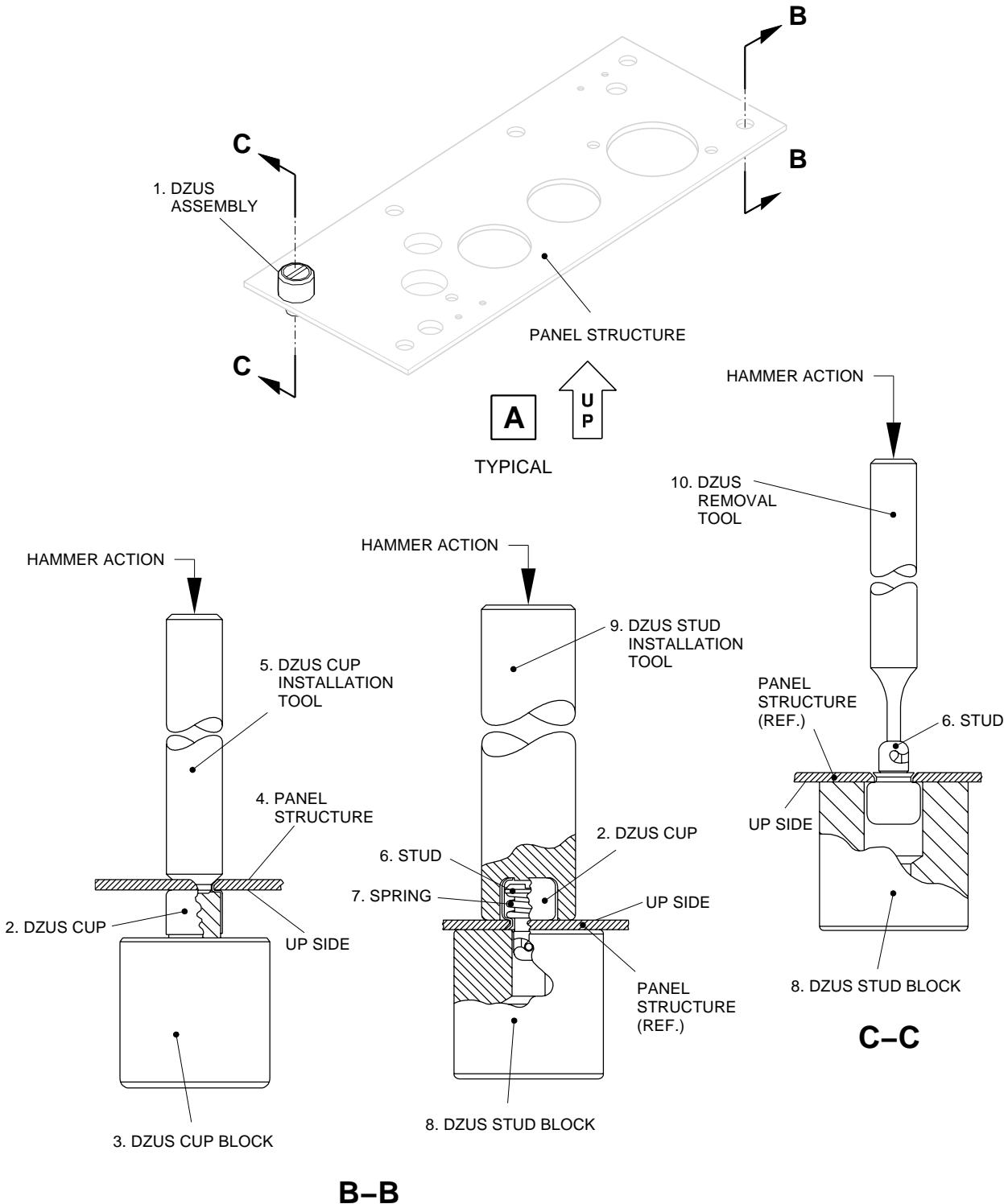
J. Removal ([Figure 401](#))

SUBTASK 020-002-A

- (1) Remove the dzus cups, studs and springs of panels, as follows:
 - (a) With the structure panel turned down, put the dzus assembly (1), on Dzus Stud block (8).

NOTE: The panel structure leans against the Dzus Stud block.
 - (b) Lock the Dzus removal tool (10), to the dzus stud (6).
 - (c) With a hammer, carefully push the Dzus removal tool (10), against the Dzus Stud block (8).

EFFECTIVITY: ALL
Dzus - Removal/Installation
Figure 401



EM145AMM200091A.DGN



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TASK 20-10-12-400-801-A

EFFECTIVITY: ALL

3. DZUS - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the dzus.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|---|
| AMM TASK 20-00-00-910-801-A/200 | AIRCRAFT SAFE PROCEDURES FOR MAINTENANCE SERVICES - MAINTENANCE PRACTICES |

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

| ITEM | DESCRIPTION | PURPOSE | QTY |
|------------------------|-----------------------------|---------------------|-----|
| Commercially available | Dzus Cup block | To install the dzus | |
| Commercially available | Dzus Cup installation tool | To install the dzus | |
| Commercially available | Dzus Stud block | To install the dzus | |
| Commercially available | Dzus Stud installation tool | To install the dzus | |
| Commercially available | Hammer | To install the dzus | |

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|------------------|
| 1 | Does the task | Where applicable |

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the dzus cups, studs and springs of panels, as follows.

- (a) Put the turned down dzus cup (2), on the Dzus Cup block (3).

- (b) With the structure panel turned down adjust the countersunk hole of panel structure (4), over dzus cup (2).
- (c) Make sure that the dzus cup (2), is firmly against panel structure (4) and with a hammer, carefully push the Dzus Cup installation tool (5) to flare the dzus cup neck against the panel structure.
- (d) With the structure panel (REF) side up, put the dzus cup (2), on the Dzus Stud block (8).
NOTE: The panel structure leans against the Dzus Stud Block.
- (e) Install the dzus spring (7), and stud (6) inside dzus cup (2).
- (f) Adjust the Dzus Stud installation tool (9), over dzus cup (2).
- (g) With a hammer, carefully push the Dzus Stud installation tool (9), to clinch the dzus cup (2).

J. Follow-on

SUBTASK 842-002-A

- (1) Put the aircraft back to its initial condition [AMM TASK 20-00-00-910-801-A/200](#).

CAUTION: EXAMINE ALL THE WORK AREAS TO MAKE SURE THAT YOU REMOVED ALL TOOLS AND EQUIPMENT AFTER YOU COMPLETED THE WORK. IF YOU DO NOT OBEY THIS PROCEDURE, DAMAGE TO THE AIRCRAFT CAN OCCUR.

- (2) Remove all tools, equipment, and unwanted materials from the work area.