

## PRESSURE SWITCH (PRESSURE SUPPLY) - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove and install the pressure switch (pressure supply).
- 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 |
|--------------------|--|-------------|
| 32-41-04-000-801-A | PRESSURE SWITCH (PRESSURE SUPPLY) - REMOVAL      | ALL         |
| 32-41-04-400-801-A | PRESSURE SWITCH (PRESSURE SUPPLY) - INSTALLATION | ALL         |

TASK 32-41-04-000-801-A

EFFECTIVITY: ALL

## 2. PRESSURE SWITCH (PRESSURE SUPPLY) - REMOVAL

### A. General

- (1) This task gives the procedure to remove the pressure switch (pressure supply).
- (2) This procedure is applicable to the pressure switch (pressure supply) of hydraulic system 1 and hydraulic system 2.

### B. References

| REFERENCE                                       | DESIGNATION                                 |
|---|---|
| AMM MPP 06-41-01/100                            | -   |
| <a href="#">AMM TASK 29-10-00-860-802-A/200</a> | HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP |

### C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION                  |
|------|------------|---------------------------|
| 192  | 192AL      | Center lower fairing - LH |
| 192  | 192BR      | Center lower fairing - RH |

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

| ITEM                   | DESCRIPTION   | PURPOSE                  | QTY |
|------------------------|---|--------------------------|-----|
| Commercially available | Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant  | Protection for the Hands | 1   |
| Commercially available | Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant | Protection for the Eyes  | 1   |

### F. Consumable Materials

Not Applicable

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

| QTY | FUNCTION      | PLACE            |
|-----|---------------|------------------|
| 1   | Does the task | LH/RH wing stubs |

I. Preparation

*SUBTASK 841-002-A*

- (1) On the Circuit Breaker Panel, open the ELEC PUMP 1 and ELEC PUMP 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (2) Control the ailerons up and down, or the rudder left and right, until the pressure of the hydraulic system shows zero PSI on the EICAS.
- (3) Make sure that the pressure in hydraulic systems No. 1 and No. 2 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
- (4) Open access panel 192AL (hydraulic system 1) and access panel 192BR (hydraulic system 2) (AMM MPP 06-41-01/100).

J. Removal ([Figure 401](#)) ([Figure 403](#))

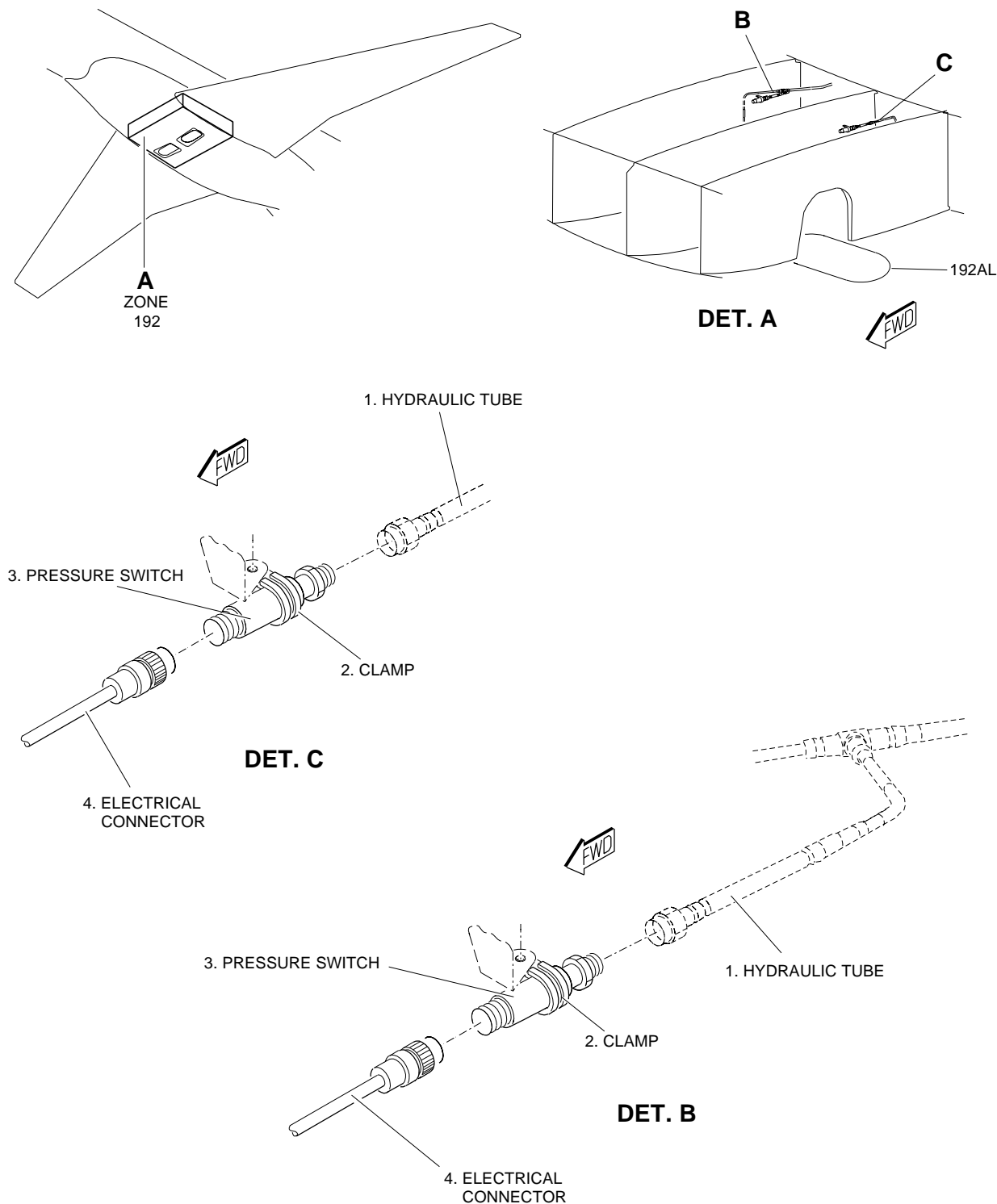
*SUBTASK 020-002-A*

- (1) Disconnect the electrical connector (4).
- (2) Disconnect the hydraulic tube (1).
- (3) Release the clamp (2).
- (4) Remove the pressure switch (3).

EFFECTIVITY: EMB-145ER/EP/EU/MP AND EMB-135ER MODELS

Pressure Switch (Pressure Supply) - Removal/Installation

Figure 401

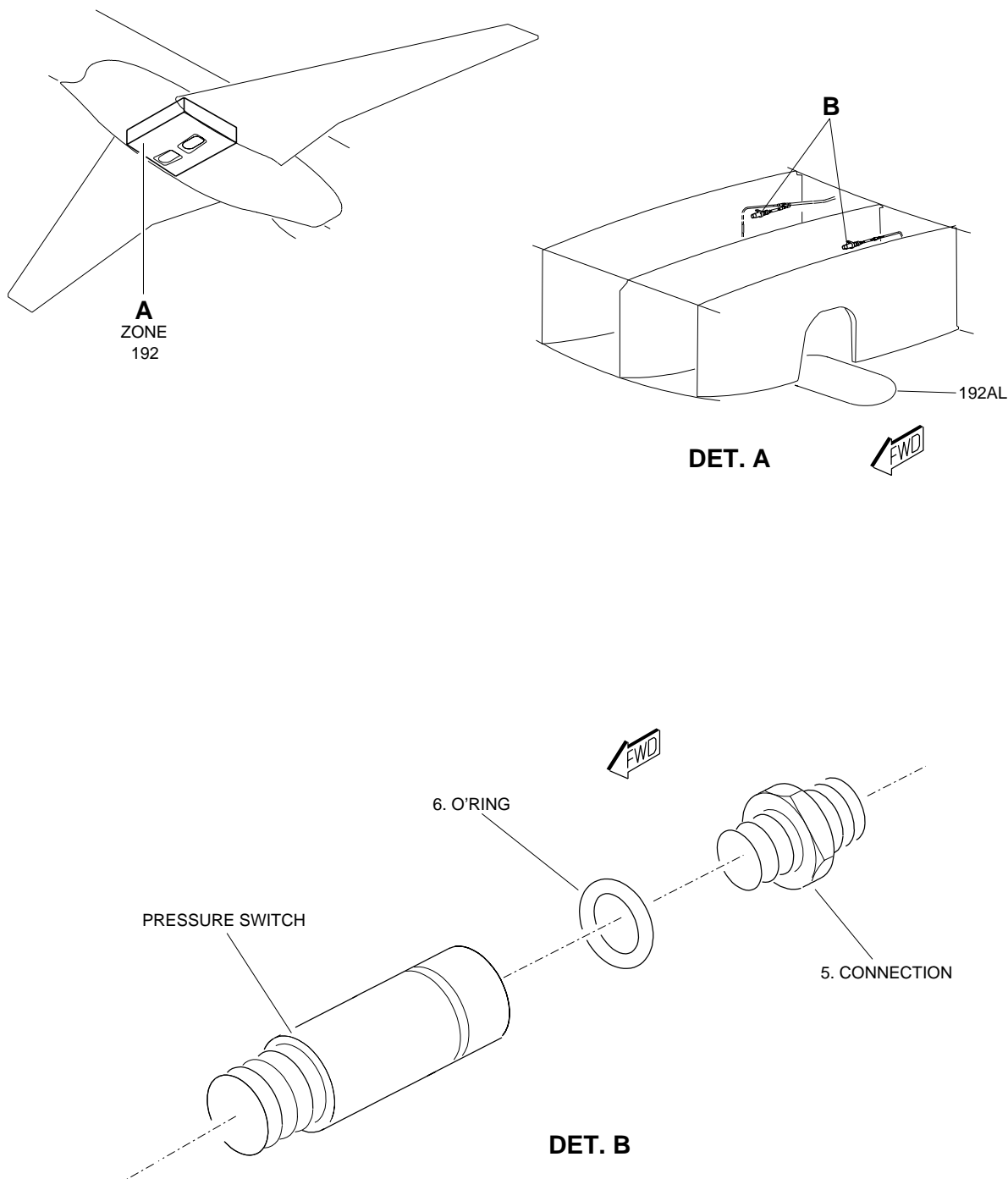


EM145AMM320688A.DGN

EFFECTIVITY: EMB-145ER/EP/EU/MP AND EMB-135ER MODELS

Connections of the Pressure Switch (Pressure Supply) - Removal/Installation

Figure 402

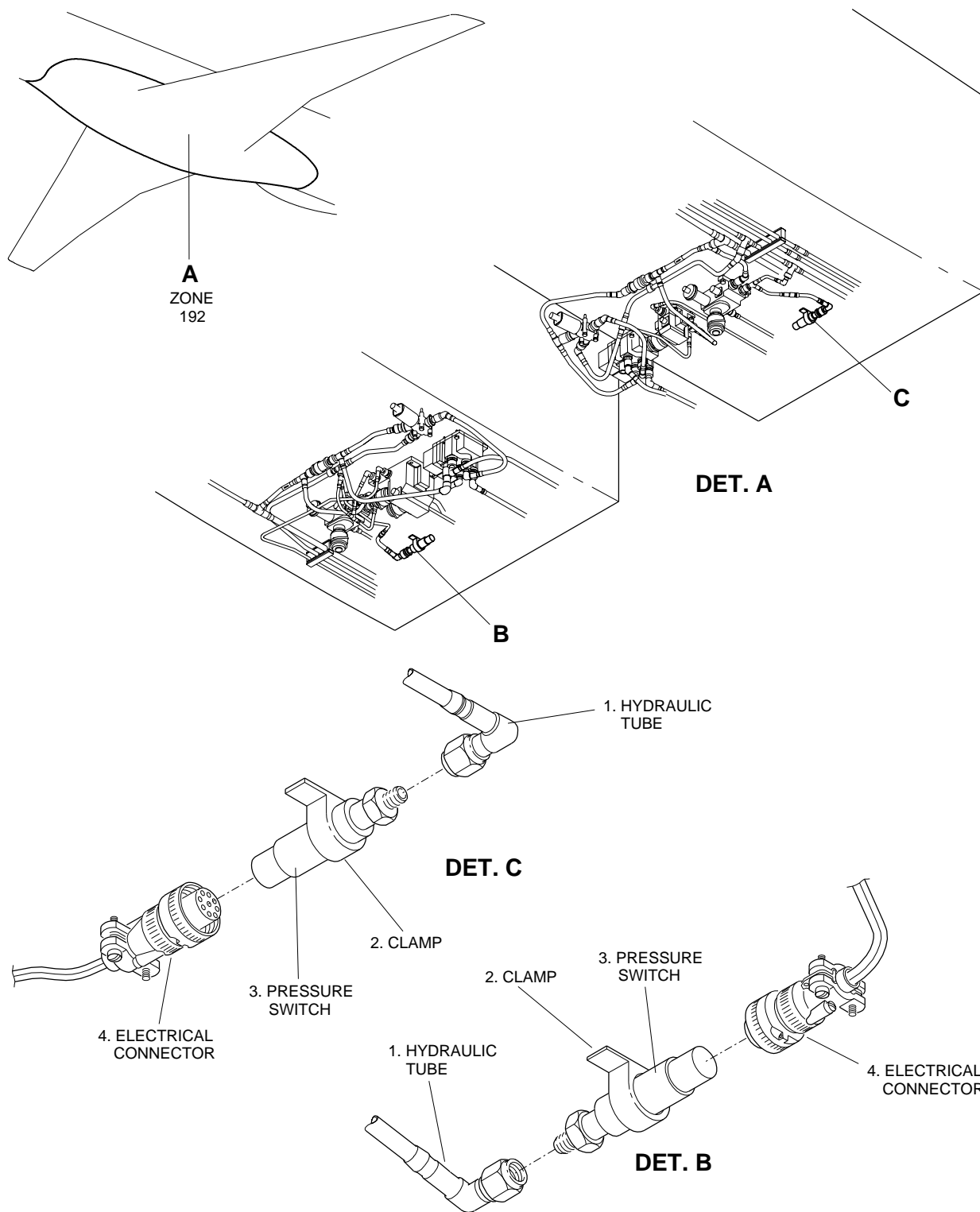


145AMM320106.MCE B

EFFECTIVITY: EMB-145LR/LU AND EMB-135LR MODELS

Pressure Switch (Pressure Supply) - Removal/Installation

Figure 403

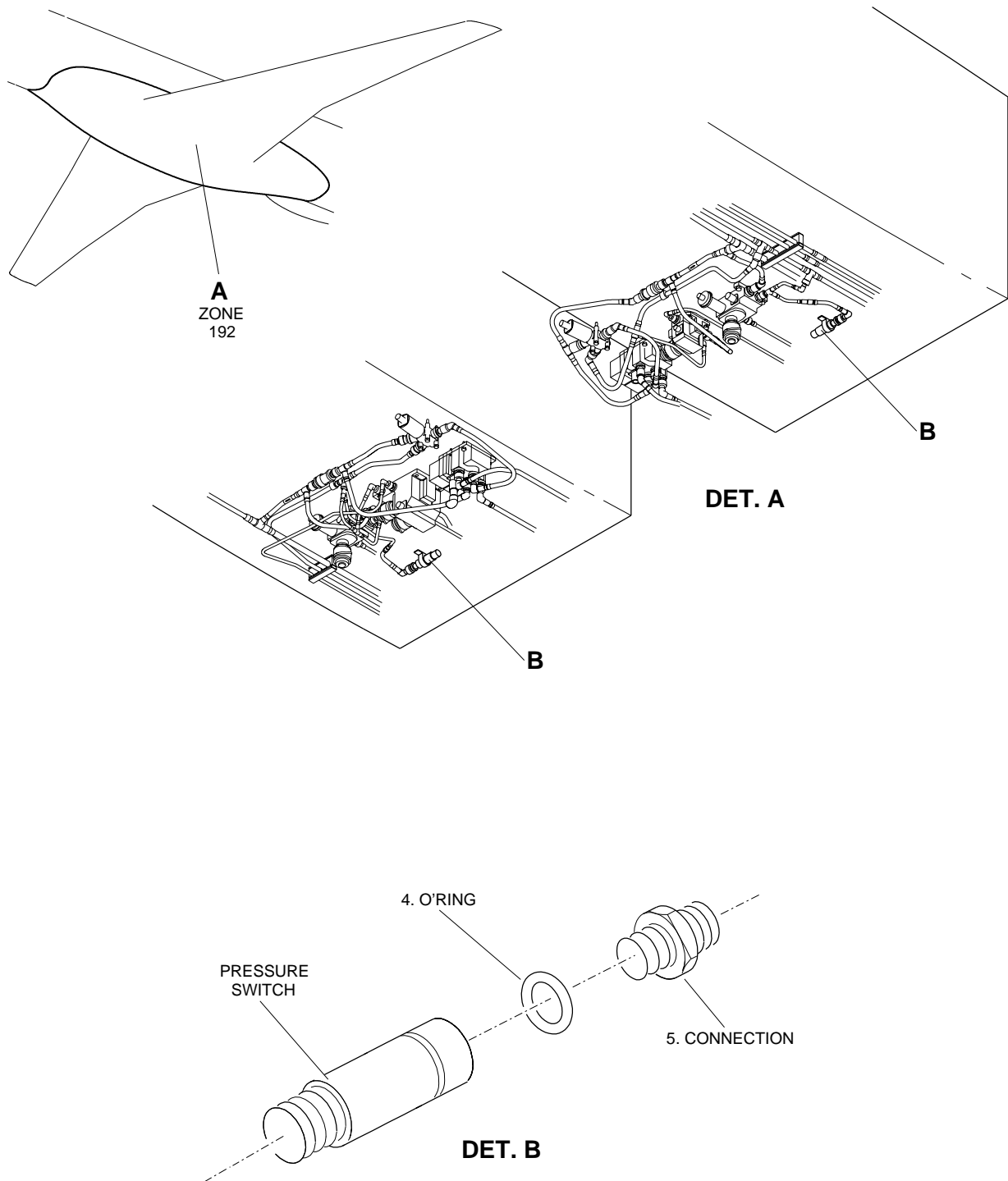


145AMM320298.MCE A

EFFECTIVITY: EMB-145LR/LU AND EMB-135LR MODELS

Connections of the Pressure Switch (Pressure Supply) - Removal/Installation

Figure 404



145AMM320302.MCE A

TASK 32-41-04-400-801-A

EFFECTIVITY: ALL

### 3. PRESSURE SWITCH (PRESSURE SUPPLY) - INSTALLATION

#### A. General

- (1) This task gives the procedure to install the pressure switch (pressure supply).
- (2) This procedure is applicable to the pressure switch (pressure supply) of hydraulic system 1 and hydraulic system 2.

#### B. References

| REFERENCE                                       | DESIGNATION  |
|---|--|
| AMM MPP 06-41-01/100                            | -  |
| AMM TASK 28-41-00-200-801-A/600                 | -  |
| <a href="#">AMM TASK 32-40-00-800-801-A/200</a> | NORMAL BRAKE AND EMERGENCY PARKING<br>BRAKE SYSTEMS - BLEEDING |
| <a href="#">AMM TASK 32-41-00-700-801-A/500</a> | MAIN BRAKE SYSTEM - FUNCTIONAL CHECK                           |

#### C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION                  |
|------|------------|---------------------------|
| 192  | 192AL      | Center lower fairing - LH |
| 192  | 192BR      | Center lower fairing - RH |

#### D. Tools and Equipment

Not Applicable

#### E. Auxiliary Items

| ITEM                   | DESCRIPTION   | PURPOSE                  | QTY |
|------------------------|---|--------------------------|-----|
| Commercially available | Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant  | Protection for the hands | 1   |
| Commercially available | Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant | Protection for the eyes  | 1   |

#### F. Consumable Materials

Not Applicable

#### G. Expandable Parts

Not Applicable

#### H. Persons Recommended

| QTY | FUNCTION      | PLACE            |
|-----|---------------|------------------|
| 1   | Does the task | LH/RH wing stubs |



I. Preparation (Figure 402) (Figure 404)

*SUBTASK 841-003-A*

- (1) Remove and keep the connection (5).
- (2) Remove and discard the old O-ring (6).
- (3) Install the new O-ring (6).
- (4) Install the connection (5).

J. Installation (Figure 401) (Figure 403)

*SUBTASK 420-002-A*

- (1) Install the pressure switch (3).
- (2) Tighten the clamp (2).
- (3) Connect the hydraulic tube (1).

**WARNING: DO NOT GET LUBRICANT AND ANTICORROSIVE FILM PN LEKTRO-TECH SUPER CORR-A IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. PUT ON A PROTECTIVE SPLASH GOGGLE AND GLOVES WHEN YOU USE LUBRICANT AND ANTICORROSIVE FILM PN LEKTRO-TECH SUPER CORR-A. KEEP LUBRICANT AND ANTICORROSIVE FILM PN LEKTRO-TECH SUPER CORR-A AWAY FROM SPARKS, FLAME, AND HEAT. LUBRICANT AND ANTICORROSIVE FILM PN LEKTRO-TECH SUPER CORR-A IS A POISONOUS AND FLAMMABLE SUBSTANCE.**

- (4) Connect the electrical connector (4).

**NOTE:** Before you connect the connector, apply Lektro-Tech Super Corr-A into the plug connector to prevent corrosion and clean the contacts.

K. Follow-on

*SUBTASK 842-002-A*

- (1) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

**NOTE:** The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations (Section 6) of the Maintenance Review Board Report (MRB).

- (2) Close access panel 192AL (hydraulic system 1) and access panel 192BR (hydraulic system 2) (AMM MPP 06-41-01/100).
- (3) On the Circuit Breaker Panel, close the ELEC PUMP 1 and ELEC PUMP 2 circuit breakers and remove the DO-NOT-CLOSE tags from them.
- (4) Bleed the Normal Brake and Emergency Parking Brake systems ( [AMM TASK 32-40-00-800-801-A/200](#)).
- (5) Do the functional check of the main brake system ( [AMM TASK 32-41-00-700-801-A/500](#)), to make sure that the pressure switch operates correctly.

NOTE: This functional check must be done for hydraulic systems 1 and 2.