



TASK 52-71-21-000-802-A

EFFECTIVITY: ALL

1. Main-Door-Locked Sensor Support - Removal

A. General

- (1) This task gives the procedure to remove the main-door-locked sensor support.
- (2) The main-door-locked sensor support is installed in the main door in zone 811.
- (3) These maintenance technicians are necessary to do this task:
 - 2 - Mechanical Systems

B. References

REFERENCE	DESIGNATION
AMM SDS 24-62-00/1	DC POWER SECONDARY DISTRIBUTION
AMM SDS 52-10-00/1	MAIN DOOR
AMM TASK 20-00-00-910-801-A/200	Aircraft Maintenance Safety Procedures - Maintenance Practices
AMM TASK 25-23-04-000-801-A/400	Main Door Lining - Removal
AMM TASK 52-11-23-000-801-A/400	Main-Door Internal Handle - Removal

C. Zones and Accesses

ZONES ACCESS	LOCATION	REFERENCE
811	Main Door	AMM TASK 06-30-00-800-802-A/100

D. Tools, Equipment and Auxiliary Items

REFERENCE	DESIGNATION
Commercially available	Circuit breaker ring-and-tag (INOPERATIVE - DO NOT OPERATE)
Commercially available	Non-ESD protective cap/plug for electrical connector

E. Circuit Breaker List

DESIGNATION	LOCATION	BUS	LOCATION TIP
LG NWS HYD 1B	SDU 1	DC BUS 1	SDU 1 - J6 - 2
LG/NWS/HYD CTRL 1A	RHCBP	EMER BUS 2	RHCB - D15

F. Job Set-Up

SUBTASK 940-005-A

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Filtered Serial N° contained in this publication: 3-8, 10-12, 14-53, 55-58, 60-92, 10003-10012, 10014-10158, 20002, 20103-20234



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).

SUBTASK 010-002-A

- (2) Open the main door (AMM SDS 52-10-00/1).

SUBTASK 862-002-A

- (3) On the SPDS DU (AMM SDS 24-62-00/1), set the status of this SSPC to OFF:
 - LG NWS HYD 1B (MENU: LANDING GEAR)
- (4) In the cockpit, on the CBP, open this circuit breaker and put a circuit breaker ring-and-tag on it:
 - LG/NWS/HYD CTRL 1A (EMER BUS 2/RHCB - D15)

SUBTASK 020-004-A (Figure 402)

EFFECTIVITY: ON ACFT WITH SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR PRE-MOD SB 550-52-0006

- (5) Remove the main-door internal handle (AMM TASK 52-11-23-000-801-A/400).
- (6) Remove the main door linings (AMM TASK 25-23-04-000-801-A/400), as necessary.
- (7) Disconnect the electrical connector (4).
- (8) Put a protective cap/plug (electrical connector - non ESD) on the electrical connector (4) and on the locked sensor (REF.) receptacle. Refer to Figure 402, Sheet 1.

SUBTASK 020-008-A (Figure 403)

EFFECTIVITY: ON ACFT WITHOUT SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR POST-MOD SB 550-52-0006

- (9) Remove the main-door internal handle (AMM TASK 52-11-23-000-801-A/400).
- (10) Remove the main door linings (AMM TASK 25-23-04-000-801-A/400), as necessary.
- (11) Disconnect the electrical connector (6). Refer to Figure 403, Sheet 1.
- (12) Put a protective cap/plug (electrical connector - non ESD) on the electrical connector (6) and on the locked sensor (13). Refer to Figure 403, Sheet 1.

G. Main-Door-Locked Sensor Support - Removal

SUBTASK 020-005-A (Figure 402)

EFFECTIVITY: ON ACFT WITH SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR PRE-MOD SB 550-52-0006

- (1) Remove the main-door-locked sensor support (5) as follows:
 - (a) Remove the nut (3) and the washer (2) from the bolt (1). Refer to Figure 402, Sheet 1.



- (b) Remove the bolt (1) that attaches the support (5) to the structure. Refer to [Figure 402, Sheet 1](#).
- (c) Remove the main-door-locked sensor support (5) from the aircraft. Refer to [Figure 402, Sheet 1](#).

SUBTASK 020-009-A (Figure 403)

EFFECTIVITY: ON ACFT WITHOUT SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR POST-MOD SB 550-52-0006

- (2) Remove the main-door-locked sensor support (1), as follows:
 - (a) Remove the nut (3) and the washer (2) from the bolts (8) and (9). Refer to [Figure 403, Sheet 1](#) and [Figure 403, Sheet 2](#).
 - (b) Remove the bolts (8) and (9) that attach the support (1) to the structure. Refer to [Figure 403, Sheet 1](#) and [Figure 403, Sheet 2](#).
 - (c) Remove the main-door-locked sensor support (1) from the aircraft. Refer to [Figure 403, Sheet 1](#).

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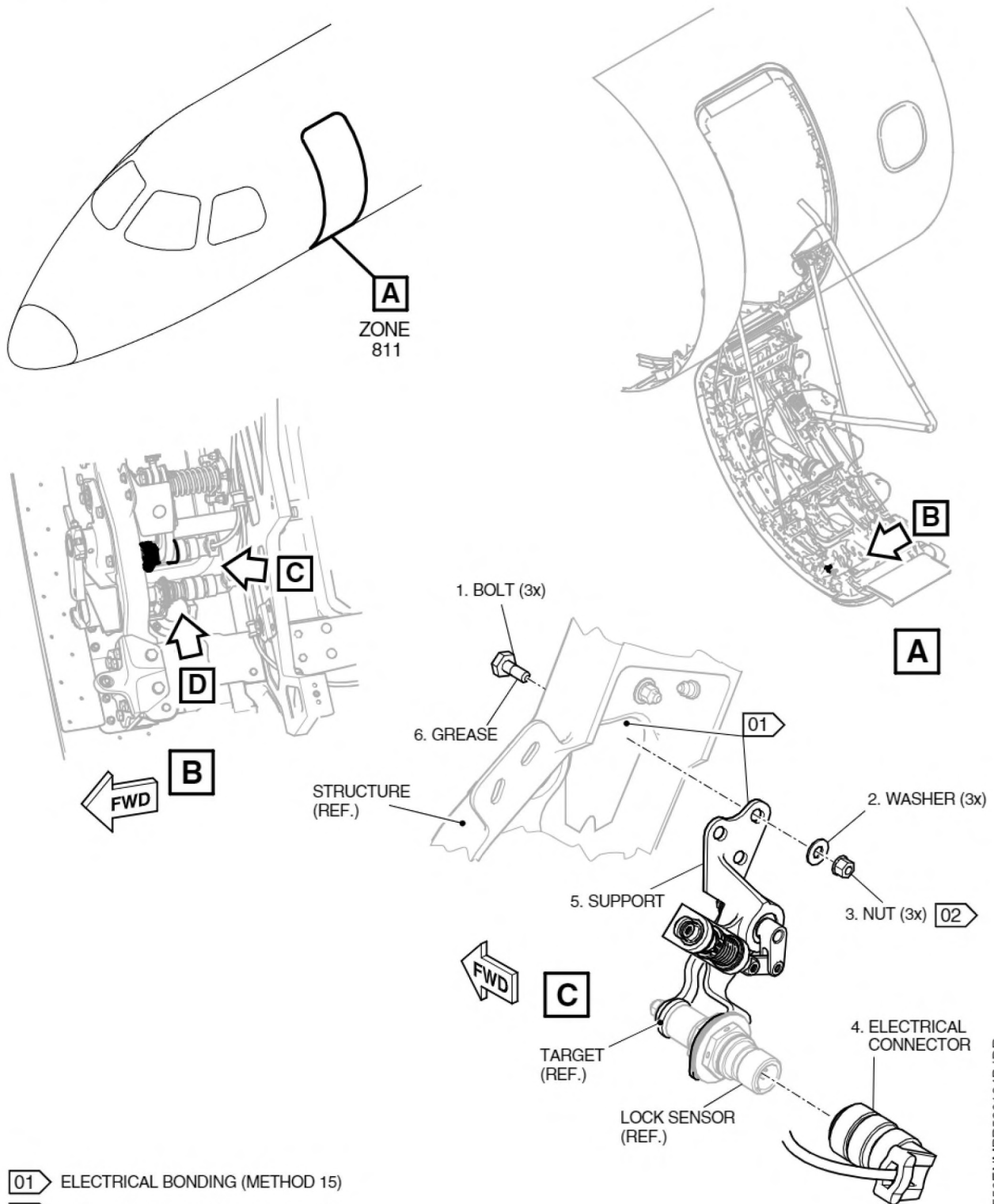
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EFFECTIVITY: ON ACFT WITH SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR PRE-MOD SB 550-52-0006

Main-Door-Locked Sensor Support - Removal/Installation

Figure 402 - Sheet 1



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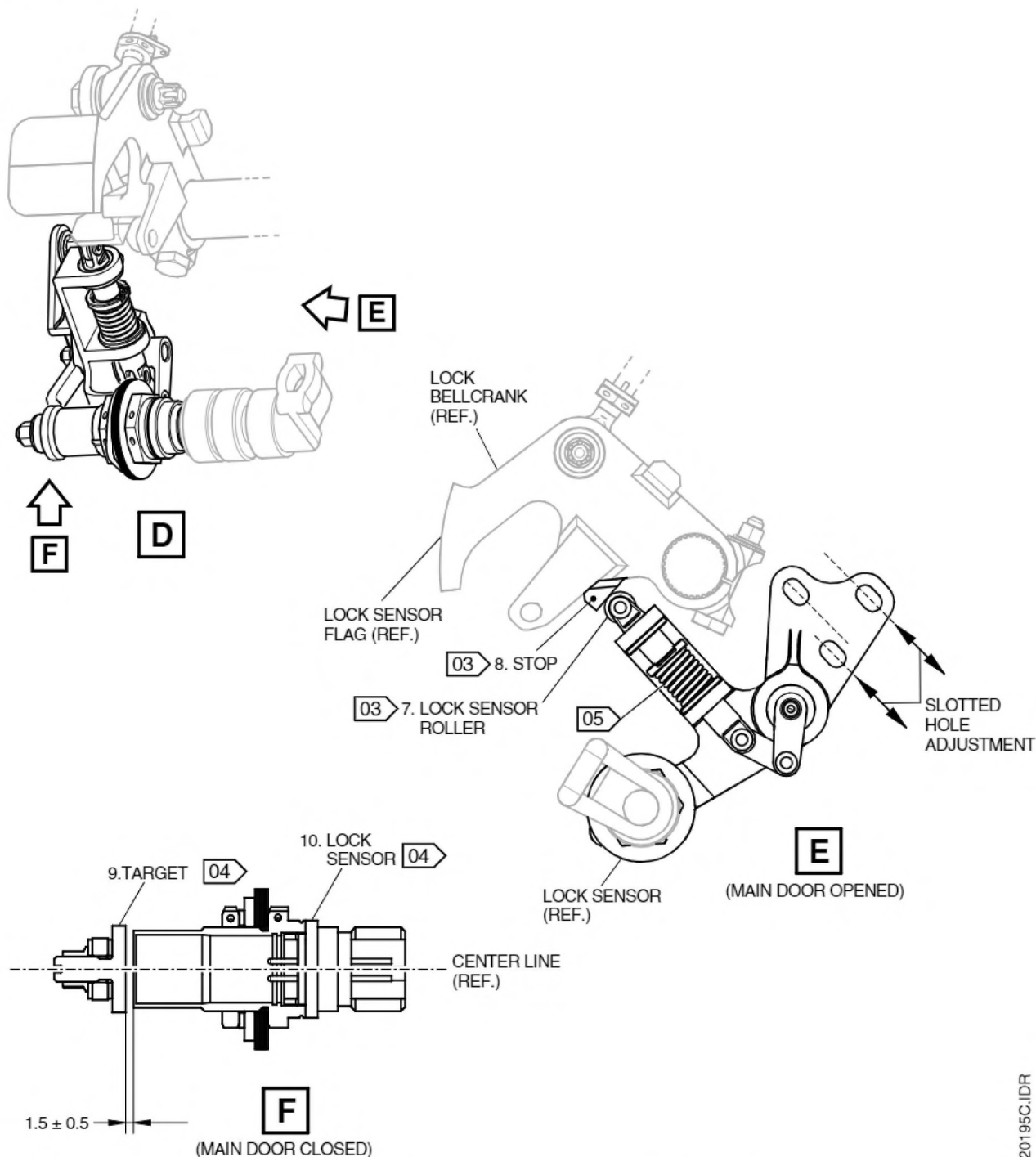
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EFFECTIVITY: ON ACFT WITH SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR PRE-MOD SB 550-52-0006

Main-Door-Locked Sensor Support - Removal/Installation

Figure 402 - Sheet 2



03 MAKE SURE THAT THERE IS CONTACT BETWEEN LOCK SENSOR ROLLER AND STOP (DOOR OPENED).

04 MAKE SURE THAT THE SENSOR AND THE TARGET ARE ALIGNED (CLOSED POSITION).

05 APPLY LUBRICANT MOLIKOTE DC-33 LIGHT TO THE SPRING PISTON.

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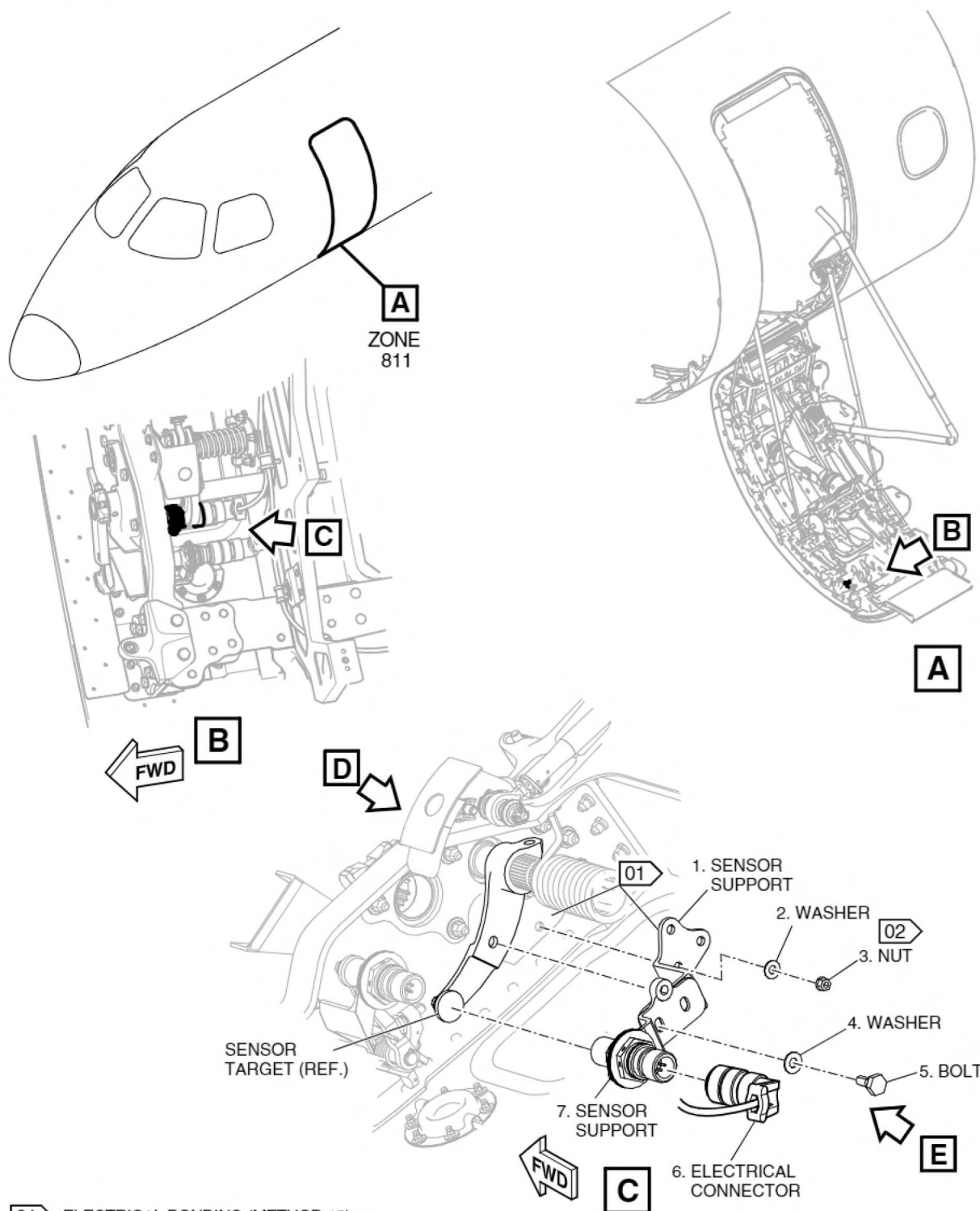
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EFFECTIVITY: ON ACFT WITHOUT SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR
POST-MOD SB 550-52-0006

Main-Door-Locked Sensor Support - Removal/Installation

Figure 403 - Sheet 1



01 ELECTRICAL BONDING (METHOD 15)

02 TORQUE: 2.82 - 3.39 N.m (25 - 30 lb.in)

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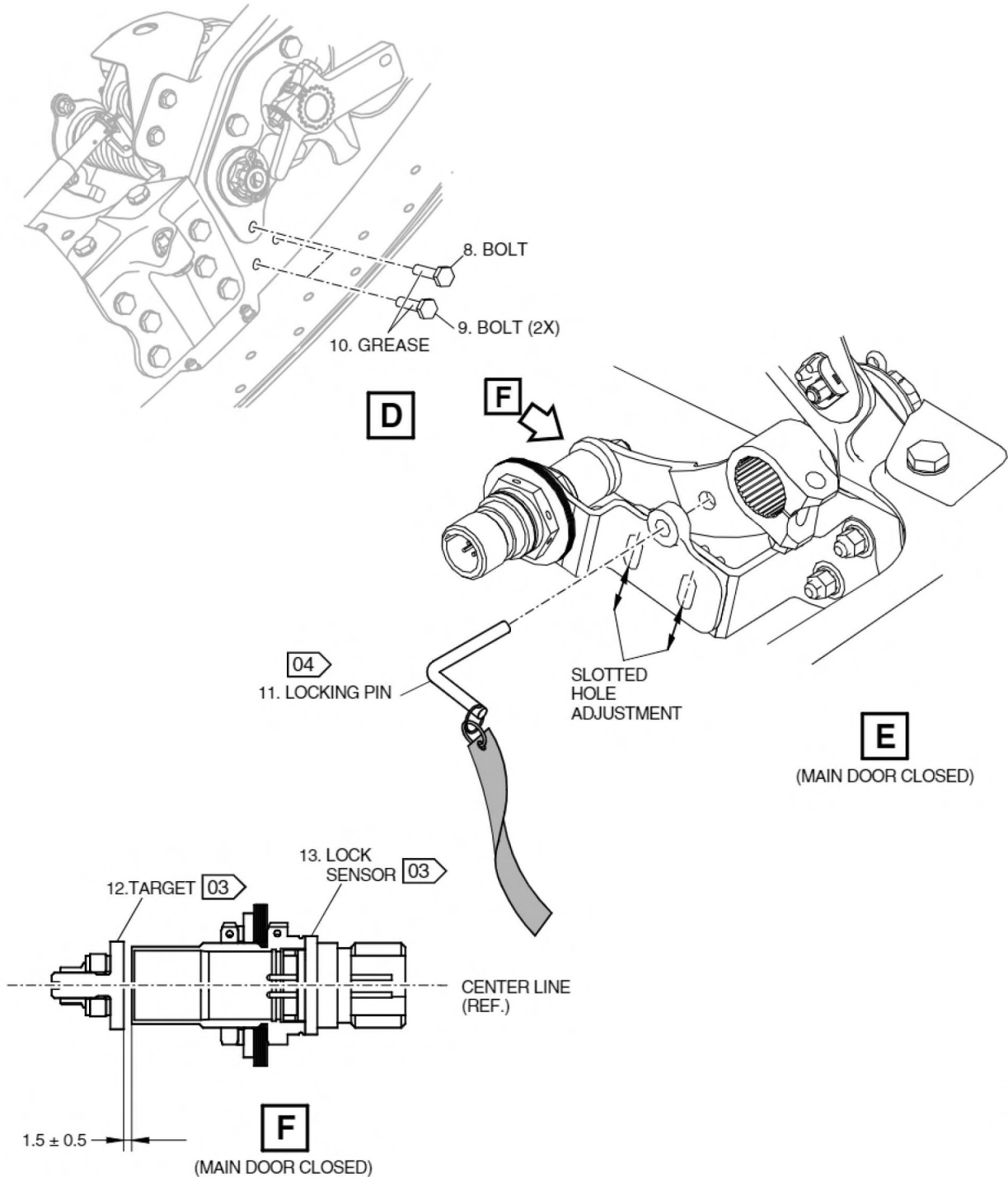
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EFFECTIVITY: ON ACFT WITHOUT SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR POST-MOD SB 550-52-0006

Main-Door-Locked Sensor Support - Removal/Installation

Figure 403 - Sheet 2



[03] MAKE SURE THAT THE SENSOR AND THE TARGET ARE ALIGNED (CLOSED POSITION).

[04] INSTALL A RIG PIN TO ALIGN THE LOCKED SENSOR WITH THE TARGET TARGET.

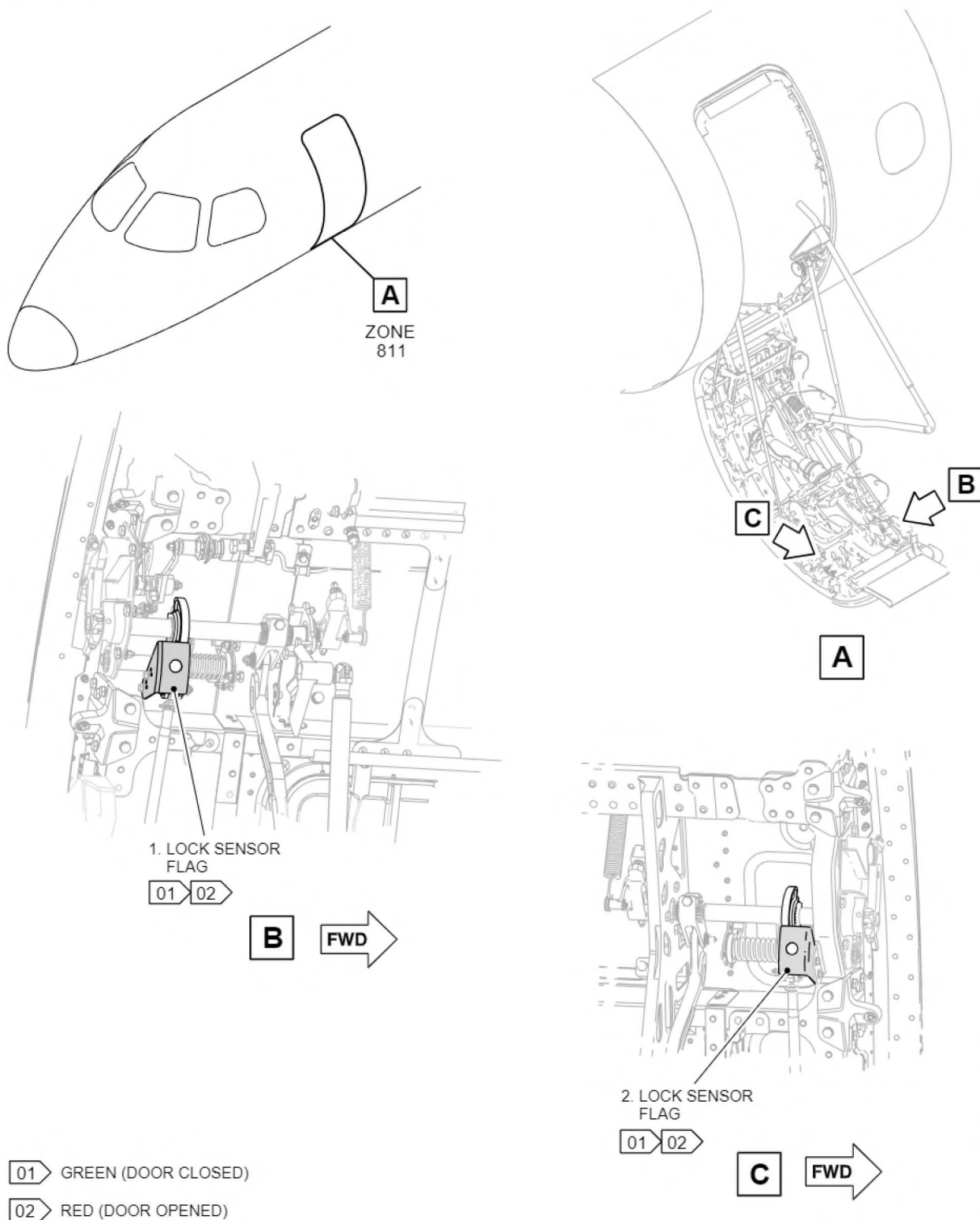
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EFFECTIVITY: ON ACFT WITH SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR PRE-MOD SB 550-52-0006

Main-Door Locked Sensor Flag - Component Location
Figure 404



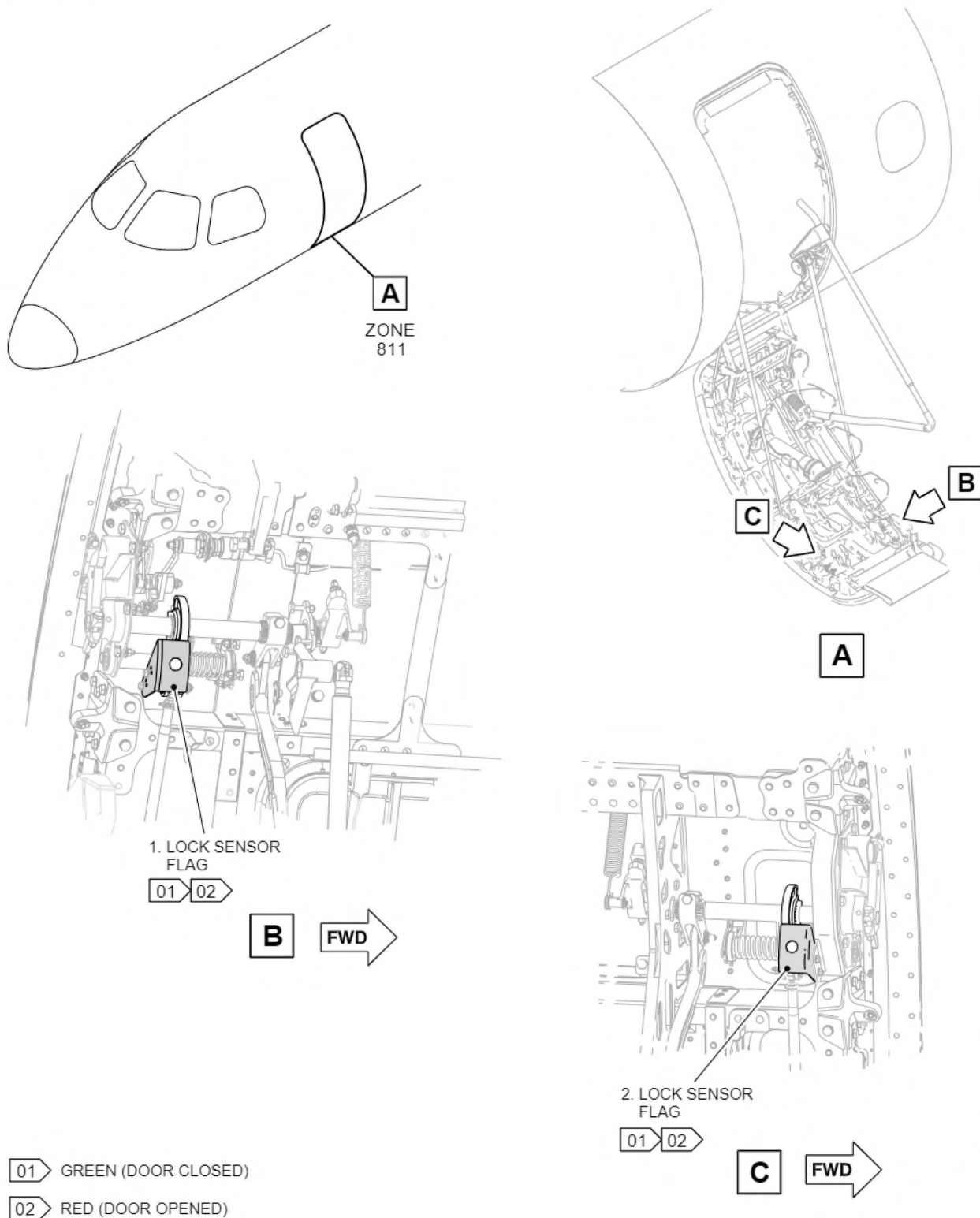
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EFFECTIVITY: ON ACFT WITHOUT SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR POST-MOD SB 550-52-0006

Main-Door Locked Sensor Flag - Component Location
Figure 405



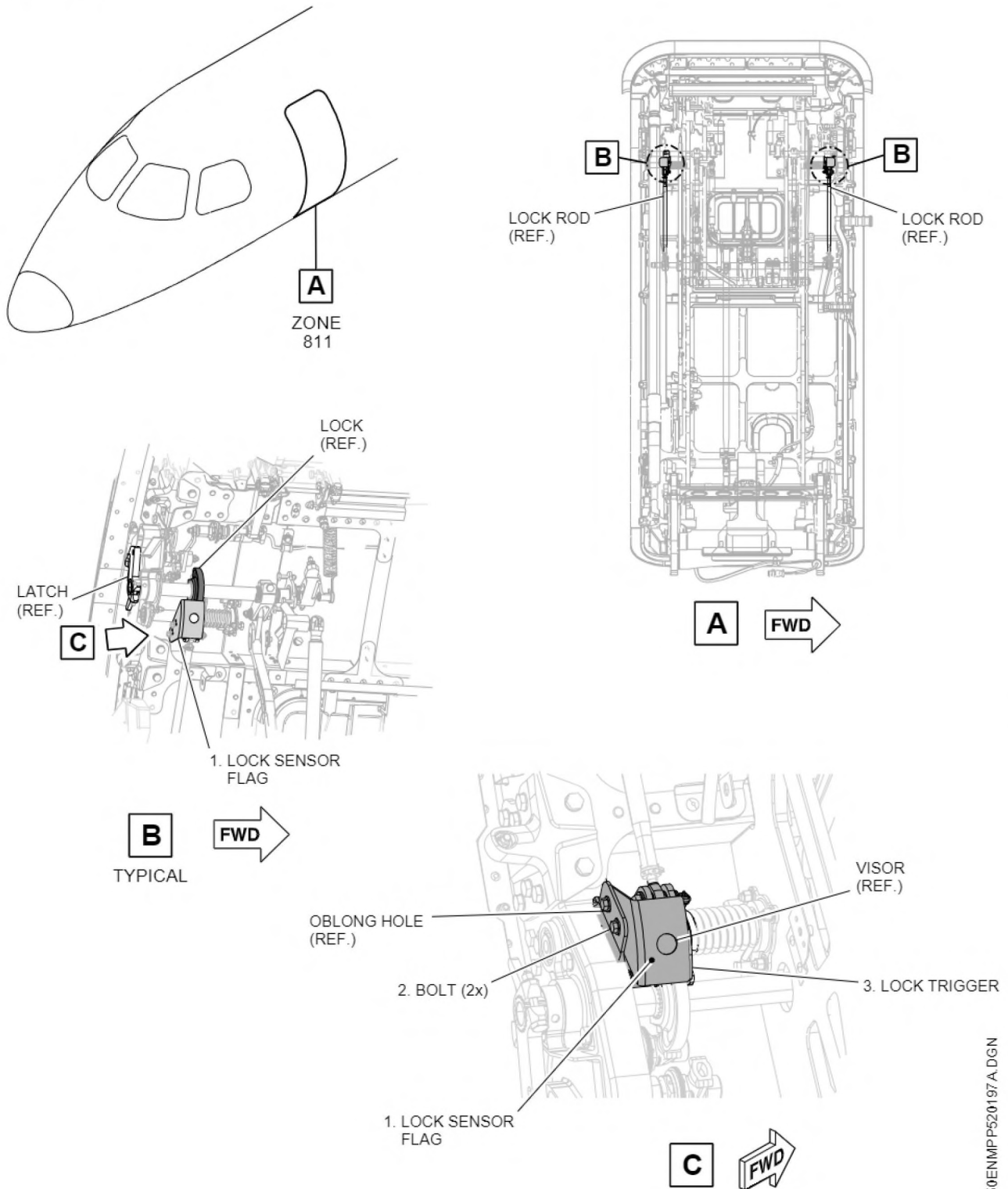
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EFFECTIVITY: ON ACFT WITH SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR PRE-MOD SB 550-52-0006

Main-Door Locked Sensor Flag - Adjustment
Figure 406



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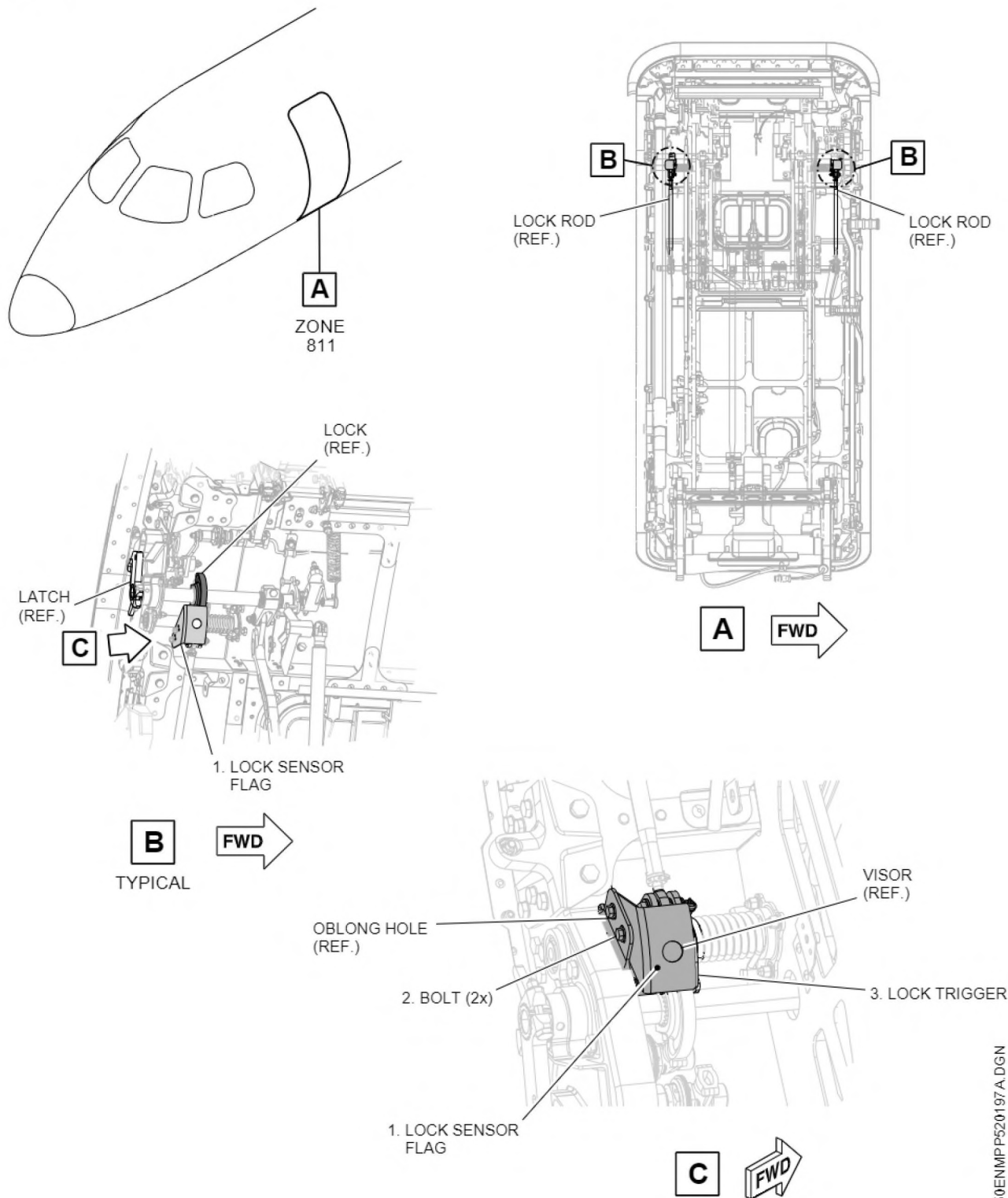
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EFFECTIVITY: ON ACFT WITHOUT SPRING PISTON ON MAIN-DOOR LOCKED SENSOR SUPPORT OR POST-MOD SB 550-52-0006

Main-Door Locked Sensor Flag - Adjustment

Figure 407



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