

**777-200/300  
TASK CARDS**

AIRLINE CARD NO		TITLE LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES			BOEING CARD NO. 12-002-01-01	
DATE	TASK LUBRICATE				RELATED CARD	
TAIL NUMBER	WORK AREA ELEVATORS	VERSION 1.1	THRESHOLD 5000 FH	REPEAT 5000 FH	APPLICABILITY AIRPLANE ALLENGINE ALL	
STATION	SKILL AIRPL	1.2	500 DY	500 DY		
		ACCESS 335EB 335EXB 335FB NOTE			ZONE 335	

LUBRICATE THE LEFT ELEVATOR POWER CONTROL UNITS (PCU'S) AND THE LEFT ELEVATOR HINGES.

**SPECIAL NOTE:** CMR task (27-CMR-06) interval for this task is 5000 Hrs or 500 Dys whichever comes first. See MPD Section 9.

**ACCESS NOTE:** Position elevator in full up position. 335EXB applicable to Airplanes after Empennage Redesign effective L/N 423 and on.

**A. References**

Reference	Title
AMM 24-22-00-860-805	Supply Electrical Power (P/B 201)
AMM 29-11-00-860-801	Main Hydraulic System Pressurization (P/B 201)
AMM 29-11-00-860-807	Main Hydraulic System and the Reservoir Depressurization (P/B 201)
AMM 29-11-00-860-808	Main Hydraulic System Power Removal (P/B 201)

**B. Consumable Materials**




Reference	Description	Specification
D00633	Grease - Aircraft General Purpose	BMS3-33

**C. Tools/Equipment**


NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-1708	Pin Set, Elevator PCU Bypass <b>777-200ER, -300ER</b> Part #: J27019-1 Supplier: 81205
SPL-11197	Lock, Elevator Power Control Unit <b>777-200ER</b> Part #: J27028-38 Supplier: 81205 Opt Part #: J27028-14 Supplier: 81205 <b>777-300ER</b> Part #: J27028-39 Supplier: 81205 Opt Part #: J27028-14 (Elevator PCU Only) Supplier: 81205 Opt Part #: J27028-20 Supplier: 81205




EFFECTIVITY <b>ANG ALL</b>	SOURCE <b>MRB</b>	<b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b>  <b>D633W109-ANG 12-002-01-01</b>	<b>Page 1 of 16 Jan 05/2022</b>
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DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. 12-002-01-01									
<p> <b>27-CMR-06</b></p> <p><b>TASK 12-21-04-600-801</b></p> <p><b>1. Elevator Power Control Units (PCUs) - Lubrication</b> (Figure 1 or Figure 2)</p> <p><b>A. Prepare for the Procedure</b></p> <p><b>SUBTASK 12-21-04-010-001</b></p> <p>(1) Open the access panels in the lower surface of the stabilizer to get access to the Power Control Units (PCUs).</p> <p>(a) For the left elevator power control units, open this access panel:</p> <table border="0"> <tr> <td><u><b>Number</b></u></td> <td><u><b>Name/Location</b></u></td> </tr> <tr> <td>335EXB</td> <td>Horizontal Stabilizer Trailing Edge Panel</td> </tr> </table> <p>(b) For the right elevator power control units, open this access panel:</p> <table border="0"> <tr> <td><u><b>Number</b></u></td> <td><u><b>Name/Location</b></u></td> </tr> <tr> <td>345EXB</td> <td>Horizontal Stabilizer Lower Trailing Edge Panel</td> </tr> </table> <p><b>SUBTASK 12-21-04-840-001</b></p> <p>(2) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-805.</p> <p><b>SUBTASK 12-21-04-840-002</b></p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;">  <p><b>WARNING</b> KEEP PERSONS AND EQUIPMENT CLEAR OF THE FLIGHT CONTROL SURFACES, THE THRUST REVERSERS, AND THE LANDING GEAR. THESE COMPONENTS CAN MOVE SUDDENLY WHEN YOU SUPPLY HYDRAULIC POWER. THIS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.</p> </div> <p>(3) Do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801.</p> <p><b>SUBTASK 12-21-04-840-003</b></p> <p>(4) Do one of these two procedures to move the elevators fully up and to install the elevator power control unit lock, SPL-11197:</p> <p>(a) Procedure 1 - Move the elevator up manually:</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;">  <p><b>WARNING</b> MAKE SURE THAT THERE IS NO HIGH PRESSURE RESIDUAL TRAPPED IN THE HYDRAULIC SUPPLY LINES BETWEEN THE HYDRAULIC SOVS AND THE POWER CONTROL UNIT (PCUS) AFTER YOU CLOSE ALL HYDRAULIC SOVS. TRAPPED RESIDUAL PRESSURE CAN MOVE THE FLIGHT CONTROL SURFACES AND CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT DUE TO UN-COMMANDED MOVEMENT.</p> </div> <p>1) Depressurize the hydraulic system and reservoir, do this task: Main Hydraulic System and the Reservoir Depressurization, AMM TASK 29-11-00-860-807.</p> <p>2) Move the control column several times to remove any remaining hydraulic pressure.</p> <p>3) On the P61 overhead panel, move the FLT CONTROL HYD VALVE POWER - TAIL switches to the SHUT OFF position.</p>				<u><b>Number</b></u>	<u><b>Name/Location</b></u>	335EXB	Horizontal Stabilizer Trailing Edge Panel	<u><b>Number</b></u>	<u><b>Name/Location</b></u>	345EXB	Horizontal Stabilizer Lower Trailing Edge Panel	MECH	INSP
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EFFECTIVITY ANG ALL		SOURCE MRB	<b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b>  <b>D633W109-ANG</b> <b>12-002-01-01</b>										

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<p>4) Open this circuit breaker and install safety tag:</p> <p><b>Left Power Management Panel, P110</b></p> <table border="1"> <thead> <tr> <th>Row</th> <th>Col</th> <th>Number</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>27</td> <td>C27609</td> <td>ELEV PCU RIB(BLK)/ROB(BYP)</td> </tr> </tbody> </table> <p>a) On the left power supply assembly (PSA-L) in the E1-6 rack: &lt;1&gt; A7, ELEV PCU LIB, LOB</p> <p>b) On the right power supply assembly (PSA-R) in the E5-1 rack: &lt;1&gt; A7, ELEV PCU RIB, ROB</p> <p>c) On the center power supply assembly (PSA-C) in the E2-6 rack: &lt;1&gt; A7, ELEV PCU LIB, LOB</p> <p>5) Operate the manual bypass valves on the two elevator PCUs.</p> <p>a) Install the elevator PCU bypass pin, SPL-1708, on the manual bypass valves (Figure 1 or Figure 2).</p> <p>b) Turn the elevator PCU bypass pin, SPL-1708, between quarter and half turn to the bypass position. &lt;1&gt; Hold this position until you push the trailing edge of the elevator up.</p> <p>6) Push the trailing edge of the elevator up.</p> <p><b>NOTE:</b> The elevator will only move slowly because of the resistance in the PCUs.</p> <p>7) Install the elevator power control unit lock, SPL-11197, on each of the elevator PCUs.</p> <p>8) Remove the elevator PCU bypass pin, SPL-1708, from the manual bypass valves.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">  <p><b>CAUTION</b> DO NOT SUPPLY HYDRAULIC POWER IF THERE IS A LOCK ON ONE OF THE ELEVATOR PCUS. HYDRAULIC POWER CAN CAUSE DAMAGE TO THE PCUS.</p> </div> <p>(b) Procedure 2 - Move the elevator up with hydraulic power:</p> <ol style="list-style-type: none"> <li>1) Make sure that the PRIMARY FLIGHT COMPUTER switch, on the P5 overhead panel, is in the AUTO position.</li> <li>2) Move and hold the Captain's or the First Officer's control column full aft to put the elevators in the up position.</li> <li>3) Open this circuit breaker and install safety tag: <p><b>Left Power Management Panel, P110</b></p> <table border="1"> <thead> <tr> <th>Row</th> <th>Col</th> <th>Number</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>27</td> <td>C27609</td> <td>ELEV PCU RIB(BLK)/ROB(BYP)</td> </tr> </tbody> </table> <p>a) On the left power supply assembly (PSA-L) in the E1-6 rack: &lt;1&gt; A7, ELEV PCU LIB, LOB</p> </li> </ol>				Row	Col	Number	Name	K	27	C27609	ELEV PCU RIB(BLK)/ROB(BYP)	Row	Col	Number	Name	K	27	C27609	ELEV PCU RIB(BLK)/ROB(BYP)	MECH	INSP
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<p><b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b></p> <p><b>D633W109-ANG</b> <b>12-002-01-01</b></p>				<p><b>Page 3 of 16</b> <b>May 05/2022</b></p>																	

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b) On the right power supply assembly (PSA-R) in the E5-1 rack: <1> A7, ELEV PCU RIB, ROB c) On the center power supply assembly (PSA-C) in the E2-6 rack: <1> A7, ELEV PCU LIB, LOB				MECH	INSP
<div style="border: 1px solid black; padding: 10px;">  <p><b>WARNING</b></p> <p>REMOVING HYDRAULIC SYSTEM PRESSURE TO ALL THE PCU'S FOR A SINGLE ELEVATOR SURFACE MAY RESULT IN THAT SURFACE SLOWLY LOWERING. KEEP PERSONS AND EQUIPMENT CLEAR OF THE ELEVATOR SURFACE WHEN REMOVING ALL HYDRAULIC SYSTEM PRESSURE TO THE PCU'S OF THAT SURFACE. FAILURE TO OBEY THESE INSTRUCTIONS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.</p> </div>					
<div style="border: 1px solid black; padding: 10px;">  <p><b>WARNING</b></p> <p>MAKE SURE THAT THERE IS NO HIGH PRESSURE RESIDUAL TRAPPED IN THE HYDRAULIC SUPPLY LINES BETWEEN THE HYDRAULIC SOVS AND THE POWER CONTROL UNIT (PCUS) AFTER YOU CLOSE ALL HYDRAULIC SOVS. TRAPPED RESIDUAL PRESSURE CAN MOVE THE FLIGHT CONTROL SURFACES AND CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT DUE TO UN-COMMANDED MOVEMENT.</p> </div>					
4) Depressurize the hydraulic system and reservoir, do this task: Main Hydraulic System and the Reservoir Depressurization, AMM TASK 29-11-00-860-807. 5) Move the control column several times to remove any remaining hydraulic pressure. 6) Release the control column. 7) Make sure that there is no elevator movement. 8) On the P61 overhead panel, move the FLT CONTROL HYD VALVE POWER - TAIL switches to the SHUT OFF position.					
<div style="border: 1px solid black; padding: 10px;">  <p><b>WARNING</b></p> <p>MAKE SURE THE CIRCUIT BREAKERS FOR THE ELEVATOR PCUS ARE OPEN AND HYDRAULIC POWER IS REMOVED. IF CIRCUIT BREAKERS FOR ELEVATOR PCUS ARE CLOSED, THE ELEVATOR CAN FALL WHEN THE SAFETY LOCKS ARE REMOVED. IF HYDRAULIC POWER IS ON, THE ELEVATOR CAN MOVE TO THE NEUTRAL POSITION QUICKLY WHEN THE SAFETY LOCKS ARE REMOVED. THIS CAN CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.</p> </div>					
9) Install the elevator power control unit lock, SPL-11197, on each of the elevator PCUs.					
EFFECTIVITY <b>ANG ALL</b>		SOURCE <b>MRB</b>	<b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b>  <b>D633W109-ANG 12-002-01-01</b>		

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. <b>12-002-01-01</b>								
<b>B. Elevator Power Control Units (PCUs) Lubrication</b>				MECH INSP								
SUBTASK 12-21-04-640-005 (1) Use a manual grease gun, or a restricted, pressurized grease gun, with the flow rate not more than 0.65 lb/min (0.29 kg/min). <b>NOTE:</b> This will minimize the possibility of seal migration or separation during lubrication.												
SUBTASK 12-21-04-640-001 (2) Put grease, D00633, in the fittings of the rod end bearing for the PCU and the reaction link (Table 1): <b>NOTE:</b> Only these two bearings at the aft end of each PCU use lubricant. The bearings at the front of the PCU do not use lubricant. Also, for the PCU rod end, application of lubricant to only one of the two grease fittings is necessary. <b>NOTE:</b> Rod end bearing lubrication requires that grease come out of the bearing between the bearing and the pin. If grease only comes out between the bearing and the rod end housing, the bearing is not properly lubricated. (a) Add grease, D00633, until clean grease, D00633, comes out of the bearings.												
SUBTASK 12-21-04-640-002 (3) Remove the excess grease, D00633, from around the bearings.												
<b>C. Put the Airplane Back to Its Usual Condition</b>												
SUBTASK 12-21-04-860-001 (1) Make sure that this circuit breaker is open and has safety tag: <b>Left Power Management Panel, P110</b> <table border="1"> <thead> <tr> <th>Row</th> <th>Col</th> <th>Number</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>27</td> <td>C27609</td> <td>ELEV PCU RIB(BLK)/ROB(BYP)</td> </tr> </tbody> </table> (a) On the left power supply assembly (PSA-L) in the E1-6 rack: 1) A7, ELEV PCU LIB, LOB (b) On the right power supply assembly (PSA-R) in the E5-1 rack: 1) A7, ELEV PCU RIB, ROB (c) On the center power supply assembly (PSA-C) in the E2-6 rack: 1) A7, ELEV PCU LIB, LOB				Row	Col	Number	Name	K	27	C27609	ELEV PCU RIB(BLK)/ROB(BYP)	
Row	Col	Number	Name									
K	27	C27609	ELEV PCU RIB(BLK)/ROB(BYP)									
SUBTASK 12-21-04-860-002 (2) Make sure that hydraulic power is removed (AMM TASK 29-11-00-860-808).												
SUBTASK 12-21-04-080-001 <div style="border: 1px solid black; padding: 10px; display: flex; align-items: center;">  <div> <p><b>WARNING</b></p> <p>MAKE SURE THE CIRCUIT BREAKERS FOR THE ELEVATOR PCUS ARE OPEN AND HYDRAULIC POWER IS REMOVED. IF CIRCUIT BREAKERS FOR ELEVATOR PCUS ARE CLOSED, THE ELEVATOR CAN FALL WHEN THE SAFETY LOCKS ARE REMOVED. IF HYDRAULIC POWER IS ON, THE ELEVATOR CAN MOVE TO THE NEUTRAL POSITION QUICKLY WHEN THE SAFETY LOCKS ARE REMOVED. THIS CAN CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.</p> </div> </div>												
(3) Remove the elevator power control unit lock, SPL-11197, from the PCUs.												
EFFECTIVITY ANG ALL		SOURCE MRB	<b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b>  <b>D633W109-ANG</b> <b>12-002-01-01</b>									

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<p>(a) If the safety locks are caught (jammed) because the elevator has moved down, do the following:</p> <ol style="list-style-type: none"> <li>1) Install the elevator PCU bypass pin, SPL-1708, on the manual bypass valves on the two elevator PCUs.</li> <li>2) Turn the elevator PCU bypass pin, SPL-1708, between quarter and half turn to the bypass position.               <ol style="list-style-type: none"> <li>a) Hold this position until you push the trailing edge of the elevator up.</li> </ol> </li> <li>3) Push the trailing edge of the elevator up and hold.  <b>NOTE:</b> The elevator will only move slowly because of the resistance in the units.</li> <li>4) Remove the elevator power control unit lock, SPL-11197.</li> <li>5) Remove the elevator PCU bypass pin, SPL-1708, from the manual bypass valves on the two elevator PCUs.</li> <li>6) Release lifting pressure on the elevator trailing edge.</li> </ol> <p><b>SUBTASK 12-21-04-410-001</b></p> <p>(4) Install the access panels you removed:</p> <ol style="list-style-type: none"> <li>(a) For the left elevator power control units, install this access panel:               <table border="0"> <thead> <tr> <th><u>Number</u></th> <th><u>Name/Location</u></th> </tr> </thead> <tbody> <tr> <td>335EXB</td> <td>Horizontal Stabilizer Trailing Edge Panel</td> </tr> </tbody> </table> </li> <li>(b) For the right elevator power control units, install this access panel:               <table border="0"> <thead> <tr> <th><u>Number</u></th> <th><u>Name/Location</u></th> </tr> </thead> <tbody> <tr> <td>345EXB</td> <td>Horizontal Stabilizer Lower Trailing Edge Panel</td> </tr> </tbody> </table> </li> </ol> <p><b>SUBTASK 12-21-04-840-006</b></p> <p>(5) Remove the safety tag and close this circuit breaker:</p> <p><b>Left Power Management Panel, P110</b></p> <table border="0"> <thead> <tr> <th><u>Row</u></th> <th><u>Col</u></th> <th><u>Number</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>K</td> <td>27</td> <td>C27609</td> <td>ELEV PCU RIB(BLK)/ROB(BYP)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> <li>(a) On the left power supply assembly (PSA-L) in the E1-6 rack:               <ol style="list-style-type: none"> <li>1) A7, ELEV PCU LIB, LOB</li> </ol> </li> <li>(b) On the right power supply assembly (PSA-R) in the E5-1 rack:               <ol style="list-style-type: none"> <li>1) A7, ELEV PCU RIB, ROB</li> </ol> </li> <li>(c) On the center power supply assembly (PSA-C) in the E2-6 rack:               <ol style="list-style-type: none"> <li>1) A7, ELEV PCU LIB, LOB</li> </ol> </li> </ol> <p><b>SUBTASK 12-21-04-840-007</b></p> <p>(6) On the P61 overhead panel, move the FLT CONTROL HYD POWER - TAIL switches to the NORM position.</p>				<u>Number</u>	<u>Name/Location</u>	335EXB	Horizontal Stabilizer Trailing Edge Panel	<u>Number</u>	<u>Name/Location</u>	345EXB	Horizontal Stabilizer Lower Trailing Edge Panel	<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>	K	27	C27609	ELEV PCU RIB(BLK)/ROB(BYP)	MECH	INSP
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# ANG




## 777-200/300 TASK CARDS


DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. <b>12-002-01-01</b>		
<b>Table 1 Elevator PCU Lubrication</b>					MECH	INSP
Item No.	Nomenclature	Lubricant	Specification	Method of Application	Number of Locations	
1	Reaction Link (Aft End)	grease, D00633	BMS3-33	Zerk	1 each PCU	
2	PCU Rod End*[1]	grease, D00633	BMS3-33	Zerk	1 each PCU	
*[1] Use a manual grease gun, or a restricted, pressurized grease gun, whose lubricant flow rate does not exceed 0.65 lb/min (0.29 kg/min), to minimize the possibility of seal migration or separation, during lubrication.						
———— <b>END OF TASK</b> ————						
EFFECTIVITY <b>ANG ALL</b>		SOURCE <b>MRB</b>	<b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b>			
			<b>D633W109-ANG 12-002-01-01</b>			
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<b>27-CMR-06</b> <b>TASK 12-21-04-600-802</b> <b>2. Elevator Hinges - Lubrication</b> (Figure 3)  <b>A. Prepare for the Procedure</b> SUBTASK 12-21-04-010-002 (1) Open the access panels in the lower surface of the stabilizer to get access to the Elevator hinges: (a) For the left elevator power control units, open these access panels: <table border="0"> <thead> <tr> <th><u>Number</u></th> <th><u>Name/Location</u></th> </tr> </thead> <tbody> <tr><td>335EXB</td><td>Horizontal Stabilizer Trailing Edge Panel</td></tr> <tr><td>335FBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> <tr><td>335QBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> <tr><td>335RBX</td><td>Horizontal Stabilizer Trailing edge Seal</td></tr> <tr><td>335SBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> <tr><td>335TBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> <tr><td>335UBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> </tbody> </table> (b) For the right elevator power control units, open these access panels: <table border="0"> <thead> <tr> <th><u>Number</u></th> <th><u>Name/Location</u></th> </tr> </thead> <tbody> <tr><td>345EXB</td><td>Horizontal Stabilizer Lower Trailing Edge Panel</td></tr> <tr><td>345FBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> <tr><td>345QBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> <tr><td>345RBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> <tr><td>345SBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> <tr><td>345TBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> <tr><td>345UBX</td><td>Horizontal Stabilizer Trailing Edge Seal</td></tr> </tbody> </table> SUBTASK 12-21-04-840-008 (2) Do this task: Supply Electrical Power, AMM TASK 24-22-00-860-805. SUBTASK 12-21-04-840-009 <div style="border: 1px solid black; padding: 10px; margin: 10px 0;">  <p><b>WARNING</b> KEEP PERSONS AND EQUIPMENT CLEAR OF THE FLIGHT CONTROL SURFACES, THE THRUST REVERSERS, THE LANDING GEAR, AND THE DOORS FOR THE MAIN LANDING GEAR. THESE COMPONENTS CAN MOVE SUDDENLY WHEN YOU SUPPLY HYDRAULIC POWER. THIS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.</p> </div> (3) Do this task: Main Hydraulic System Pressurization, AMM TASK 29-11-00-860-801. SUBTASK 12-21-04-840-010 (4) Do one of these two procedures to move the elevators fully up and to install the elevator power control unit lock, SPL-11197: (a) Procedure 1 - Move the elevator manually: 1) On the P61 overhead panel, move the FLT CONTROL HYD VALVE POWER - TAIL switches to the SHUT OFF position.				<u>Number</u>	<u>Name/Location</u>	335EXB	Horizontal Stabilizer Trailing Edge Panel	335FBX	Horizontal Stabilizer Trailing Edge Seal	335QBX	Horizontal Stabilizer Trailing Edge Seal	335RBX	Horizontal Stabilizer Trailing edge Seal	335SBX	Horizontal Stabilizer Trailing Edge Seal	335TBX	Horizontal Stabilizer Trailing Edge Seal	335UBX	Horizontal Stabilizer Trailing Edge Seal	<u>Number</u>	<u>Name/Location</u>	345EXB	Horizontal Stabilizer Lower Trailing Edge Panel	345FBX	Horizontal Stabilizer Trailing Edge Seal	345QBX	Horizontal Stabilizer Trailing Edge Seal	345RBX	Horizontal Stabilizer Trailing Edge Seal	345SBX	Horizontal Stabilizer Trailing Edge Seal	345TBX	Horizontal Stabilizer Trailing Edge Seal	345UBX	Horizontal Stabilizer Trailing Edge Seal	MECH	INSP
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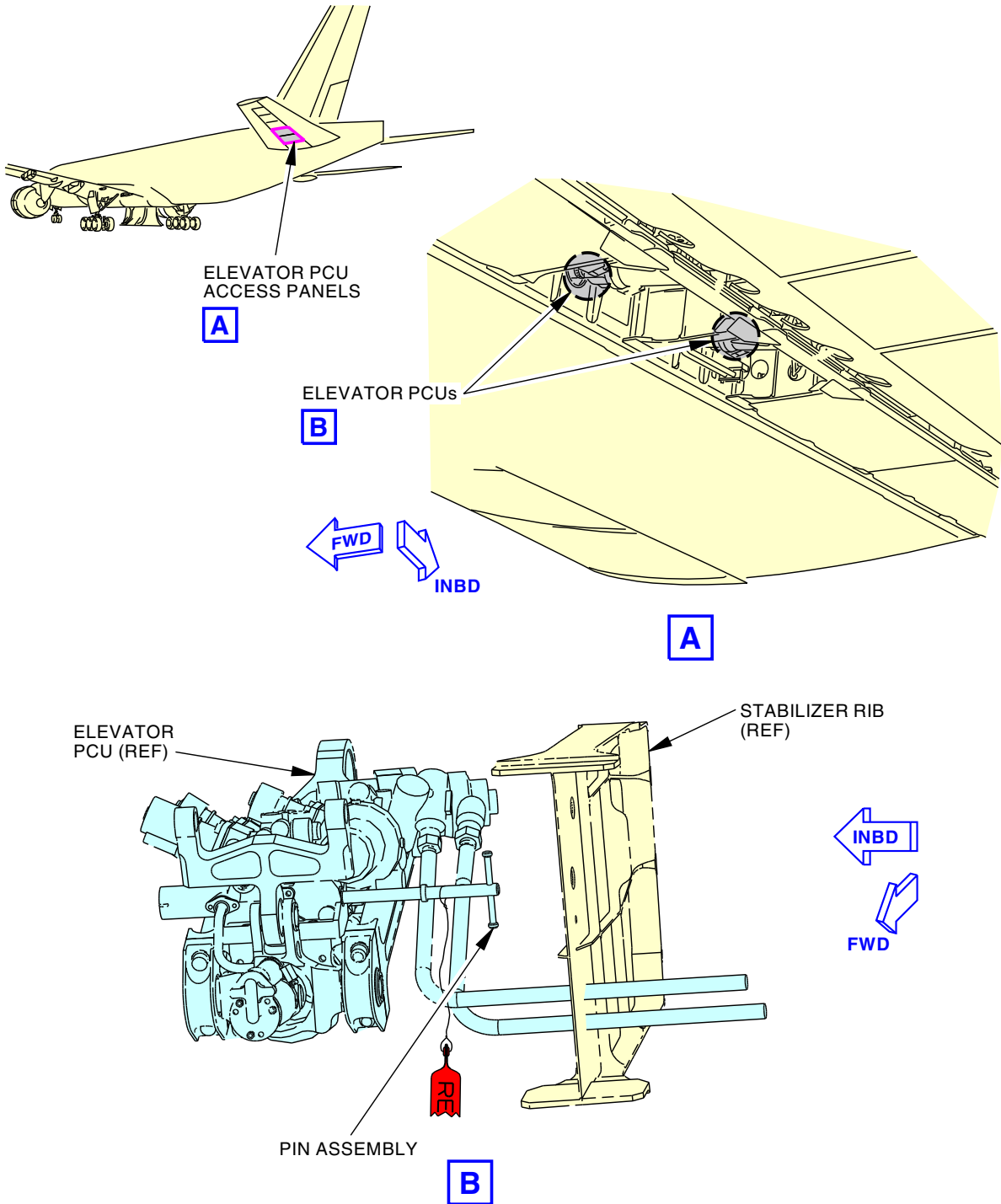
**777-200/300  
TASK CARDS**

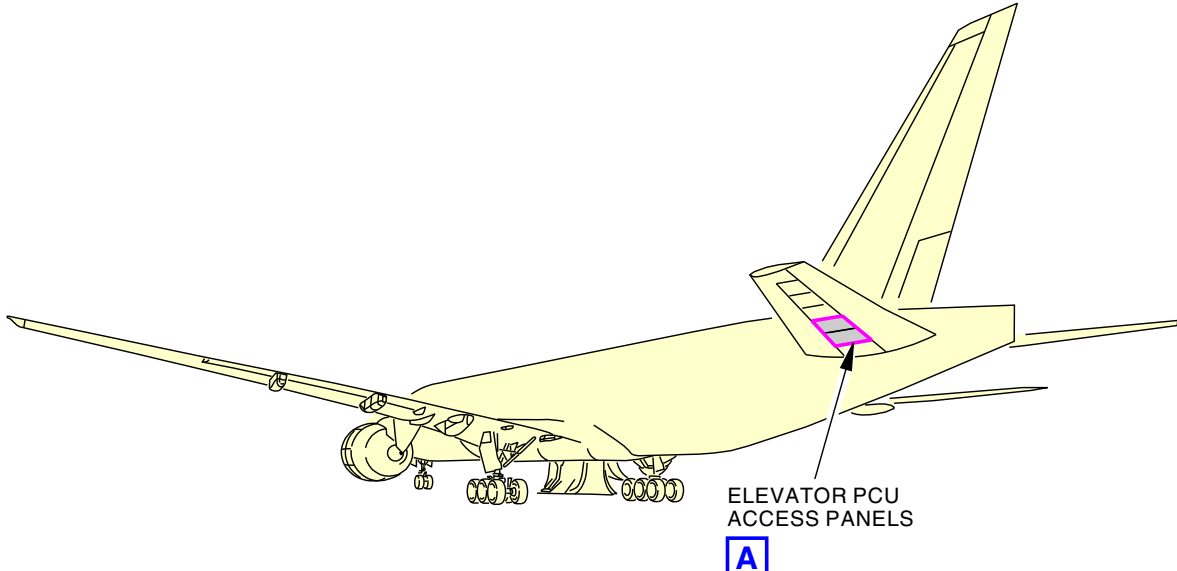
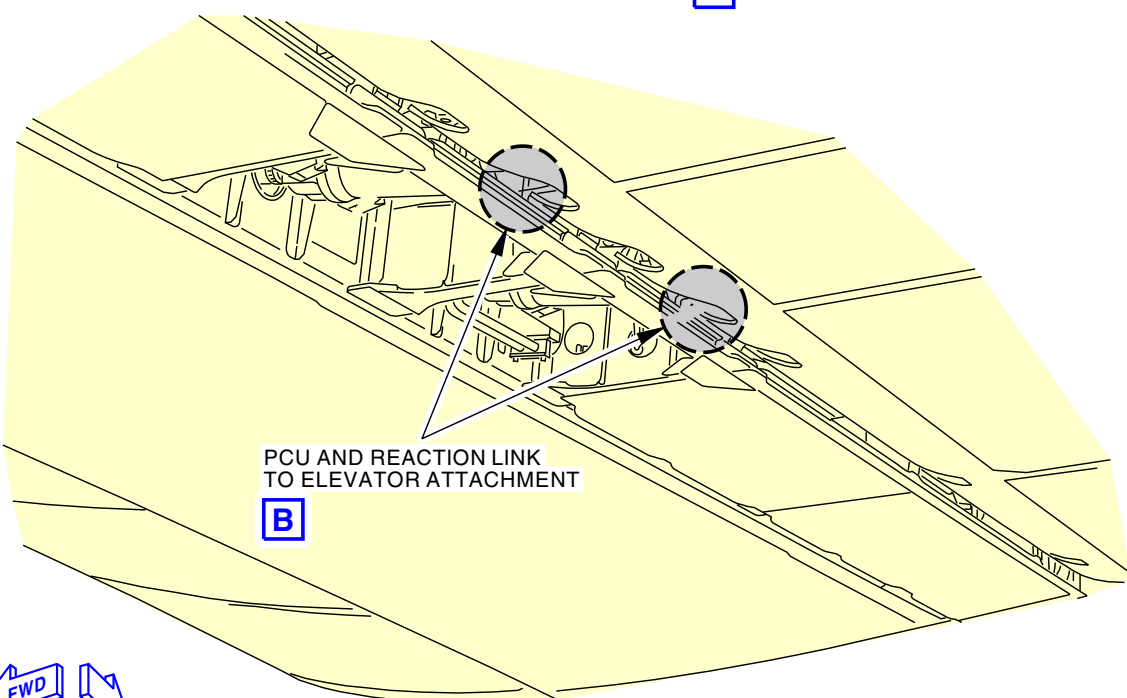
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<p><b>B. Elevator Hinges Lubrication</b></p> <p>SUBTASK 12-21-04-640-006</p> <p>(1) Use a manual grease gun, or a restricted, pressurized grease gun, with the flow rate not more than 0.65 lb/min (0.29 kg/min).</p> <p><u>NOTE:</u> This will minimize the possibility of seal migration or separation during lubrication.</p> <p>SUBTASK 12-21-04-640-003</p> <p>(2) Put grease, D00633, in the fitting of the elevator hinge bearing:</p> <p>(a) Add grease, D00633, until clean grease, D00633, comes out of the bearings.</p> <p>SUBTASK 12-21-04-640-004</p> <p>(3) Remove the unwanted grease, D00633, from around the bearings.</p>													
<p><b>C. Put the Airplane Back to Its Usual Condition</b></p> <p>SUBTASK 12-21-04-860-003</p> <p>(1) Make sure that this circuit breaker is open and has safety tag:</p> <p><b>Left Power Management Panel, P110</b></p> <table border="1"> <thead> <tr> <th>Row</th> <th>Col</th> <th>Number</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>27</td> <td>C27609</td> <td>ELEV PCU RIB(BLK)/ROB(BYP)</td> </tr> </tbody> </table> <p>(a) On the left power supply assembly (PSA-L) in the E1-6 rack:</p>						Row	Col	Number	Name	K	27	C27609	ELEV PCU RIB(BLK)/ROB(BYP)
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			<b>Page 10 of 16 May 05/2022</b>										

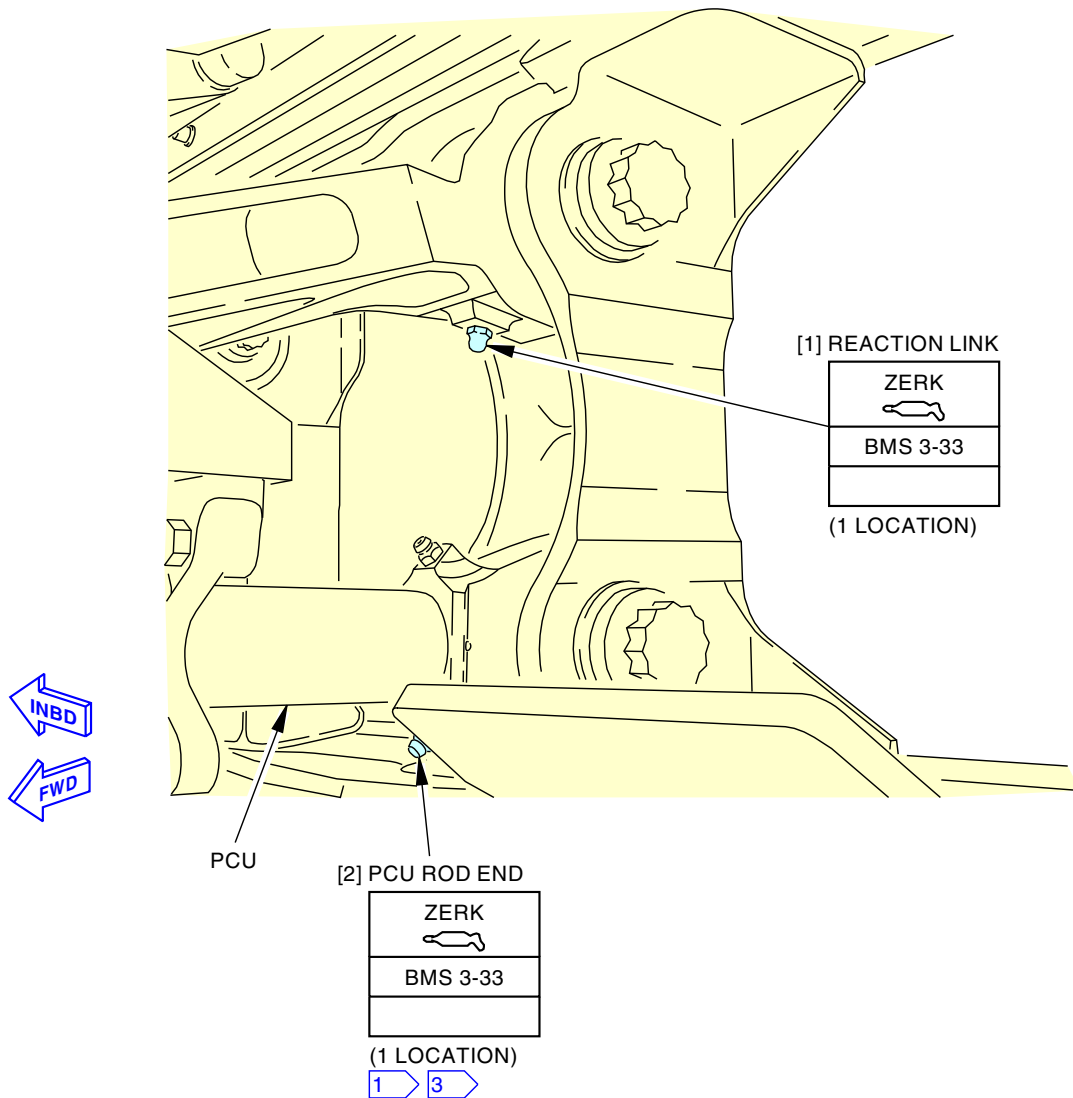
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<p>1) A7, ELEV PCU LIB, LOB</p> <p>(b) On the right power supply assembly (PSA-R) in the E5-1 rack:</p> <p>1) A7, ELEV PCU RIB, ROB</p> <p>(c) On the center power supply assembly (PSA-C) in the E2-6 rack:</p> <p>1) A7, ELEV PCU LIB, LOB</p> <p><b>SUBTASK 12-21-04-860-004</b></p> <p>(2) Make sure that hydraulic power is removed (AMM TASK 29-11-00-860-808).</p> <p><b>SUBTASK 12-21-04-080-002</b></p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <div style="display: flex; align-items: center;">  <p><b>WARNING</b></p> </div> <p>MAKE SURE THE CIRCUIT BREAKERS FOR THE ELEVATOR PCUS ARE OPEN AND HYDRAULIC POWER IS REMOVED. IF CIRCUIT BREAKERS FOR ELEVATOR PCUS ARE CLOSED, THE ELEVATOR CAN FALL WHEN THE SAFETY LOCKS ARE REMOVED. IF HYDRAULIC POWER IS ON, THE ELEVATOR CAN MOVE TO THE NEUTRAL POSITION QUICKLY WHEN THE SAFETY LOCKS ARE REMOVED. THIS CAN CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.</p> </div> <p>(3) Remove the elevator power control unit lock, SPL-11197, from the elevator PCUs.</p> <p>(a) If the safety locks are caught (jammed) because the elevator has moved down, do the following:</p> <ol style="list-style-type: none"> <li>1) Install the elevator PCU bypass pin, SPL-1708, on the manual bypass valves on the two elevator PCUs.</li> <li>2) Turn the elevator PCU bypass pin, SPL-1708, between quarter and half turn to the bypass position. <ol style="list-style-type: none"> <li>a) Hold this position until you push the trailing edge of the elevator up.</li> </ol> </li> <li>3) Push the trailing edge of the elevator up and hold. <p><u>NOTE:</u> The elevator will only move slowly because of the resistance in the units [10].</p> </li> <li>4) Remove the elevator power control unit lock, SPL-11197.</li> <li>5) Remove the elevator PCU bypass pin, SPL-1708, from the manual bypass valves on the two elevator PCUs.</li> <li>6) Release lifting pressure on the elevator trailing edge.</li> </ol> <p><b>SUBTASK 12-21-04-410-002</b></p> <p>(4) Install the access panels you removed:</p> <p>(a) For the left elevator power control units, install these access panels:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Number</u></th> <th style="text-align: left;"><u>Name/Location</u></th> </tr> </thead> <tbody> <tr> <td>335EXB</td> <td>Horizontal Stabilizer Trailing Edge Panel</td> </tr> <tr> <td>335FBX</td> <td>Horizontal Stabilizer Trailing Edge Seal</td> </tr> <tr> <td>335QBX</td> <td>Horizontal Stabilizer Trailing Edge Seal</td> </tr> <tr> <td>335RBX</td> <td>Horizontal Stabilizer Trailing edge Seal</td> </tr> <tr> <td>335SBX</td> <td>Horizontal Stabilizer Trailing Edge Seal</td> </tr> <tr> <td>335TBX</td> <td>Horizontal Stabilizer Trailing Edge Seal</td> </tr> </tbody> </table>				<u>Number</u>	<u>Name/Location</u>	335EXB	Horizontal Stabilizer Trailing Edge Panel	335FBX	Horizontal Stabilizer Trailing Edge Seal	335QBX	Horizontal Stabilizer Trailing Edge Seal	335RBX	Horizontal Stabilizer Trailing edge Seal	335SBX	Horizontal Stabilizer Trailing Edge Seal	335TBX	Horizontal Stabilizer Trailing Edge Seal	MECH	INSP
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(Continued)				MECH	INSP																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 80%;"> <p><b><u>Number</u></b>    <b><u>Name/Location</u></b></p> <p>335UBX    Horizontal Stabilizer Trailing Edge Seal</p> <p>(b) For the right elevator power control units, install these access panels:</p> <p><b><u>Number</u></b>    <b><u>Name/Location</u></b></p> <p>345EXB    Horizontal Stabilizer Lower Trailing Edge Panel</p> <p>345FBX    Horizontal Stabilizer Trailing Edge Seal</p> <p>345QBX    Horizontal Stabilizer Trailing Edge Seal</p> <p>345RBX    Horizontal Stabilizer Trailing Edge Seal</p> <p>345SBX    Horizontal Stabilizer Trailing Edge Seal</p> <p>345TBX    Horizontal Stabilizer Trailing Edge Seal</p> <p>345UBX    Horizontal Stabilizer Trailing Edge Seal</p> <p><b>SUBTASK 12-21-04-840-013</b></p> <p>(5) Remove the safety tag and close this circuit breaker:</p> <p><b>Left Power Management Panel, P110</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"><b><u>Row</u></b></th> <th style="width: 10%;"><b><u>Col</u></b></th> <th style="width: 15%;"><b><u>Number</u></b></th> <th style="width: 75%;"><b><u>Name</u></b></th> </tr> </thead> <tbody> <tr> <td>K</td> <td>27</td> <td>C27609</td> <td>ELEV PCU RIB(BLK)/ROB(BYP)</td> </tr> </tbody> </table> <p>(a) On the left power supply assembly (PSA-L) in the E1-6 rack:</p> <p style="padding-left: 20px;">1) A7, ELEV PCU LIB, LOB</p> <p>(b) On the right power supply assembly (PSA-R) in the E5-1 rack:</p> <p style="padding-left: 20px;">1) A7, ELEV PCU RIB, ROB</p> <p>(c) On the center power supply assembly (PSA-C) in the E2-6 rack:</p> <p style="padding-left: 20px;">1) A7, ELEV PCU LIB, LOB</p> <p><b>SUBTASK 12-21-04-840-014</b></p> <p>(6) On the P61 overhead panel, move the FLT CONTROL HYD POWER - TAIL switches to the NORM position.</p> </div> <div style="width: 20%; border-left: 1px solid black; border-right: 1px solid black; padding-left: 5px;"> </div> </div>						<b><u>Row</u></b>	<b><u>Col</u></b>	<b><u>Number</u></b>	<b><u>Name</u></b>	K	27	C27609	ELEV PCU RIB(BLK)/ROB(BYP)										
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<b>Table 2</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="text-align: center;">Elevator Hinges</th> </tr> <tr> <th style="width: 8%;">Item No.</th> <th style="width: 22%;">Nomenclature</th> <th style="width: 15%;">Lubricant</th> <th style="width: 15%;">Specification</th> <th style="width: 15%;">Method of Application</th> <th style="width: 25%;">Number of Locations</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Elevator Hinge Bearing</td> <td>grease, D00633</td> <td>BMS3-33</td> <td style="text-align: center;">Zerk</td> <td style="text-align: center;">9 each elevator</td> </tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;">————— <b>END OF TASK</b> —————</p>						Elevator Hinges						Item No.	Nomenclature	Lubricant	Specification	Method of Application	Number of Locations	1	Elevator Hinge Bearing	grease, D00633	BMS3-33	Zerk	9 each elevator
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EFFECTIVITY <b>ANG ALL</b>		SOURCE <b>MRB</b>	<b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b>  <b>D633W109-ANG 12-002-01-01</b>																				
			<b>Page 12 of 16 May 05/2022</b>																				

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. 12-002-01-01
<div data-bbox="248 306 1429 1726">  <p>ELEVATOR PCU ACCESS PANELS <b>A</b></p> <p>ELEVATOR PCUs <b>B</b></p> <p>FWD INBD</p> <p>ELEVATOR PCU (REF)</p> <p>PIN ASSEMBLY <b>B</b></p> <p>STABILIZER RIB (REF)</p> <p>INBD FWD</p> </div> <p><b>Elevator PCU Bypass Pin Set Figure 1</b></p> <p>U82819 S0000218953_V2</p>				
EFFECTIVITY ANG ALL	SOURCE MRB	LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES		
		D633W109-ANG 12-002-01-01		
		Page 13 of 16 May 05/2022		

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. <b>12-002-01-01</b>
 <p><b>ELEVATOR PCU ACCESS PANELS</b> <b>A</b></p>  <p><b>PCU AND REACTION LINK TO ELEVATOR ATTACHMENT</b> <b>B</b></p> <p><b>LEFT ELEVATOR PCU ACCESS PANELS</b> <b>(RIGHT ELEVATOR PCU ACCESS PANELS ARE EQUIVALENT)</b> <b>A</b></p> <p><b>FWD</b> <b>INBD</b></p> <p><b>Elevators Power Control Unit (PCU) Servicing</b> <b>Figure 2 (Sheet 1 of 2)</b></p> <p>E28700 S0006401678_V2</p>				
EFFECTIVITY <b>ANG ALL</b>	SOURCE <b>MRB</b>	<b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b>  <b>D633W109-ANG</b> <b>12-002-01-01</b>		
			<b>Page 14 of 16</b> <b>May 05/2022</b>	

DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. <b>12-002-01-01</b>
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**PCU AND REACTION LINK TO ELEVATOR ATTACHMENT  
(EXAMPLE)**

2 POINTS

**B**

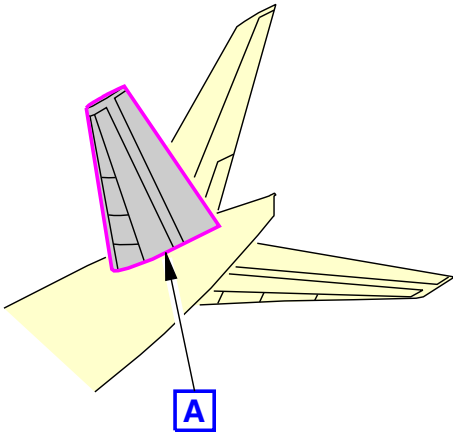
- 1** LUBRICATE A MINIMUM OF ONE LUBE POINT ON THE PCU ROD END.
- 3** USE A MANUAL GREASE GUN OR RESTRICT THE GREASE FLOW RATE TO 0.65 LB PER MIN (0.3 KG PER MIN) MAXIMUM FOR POWERED GREASE GUNS.

E28701 S0006401679\_V5

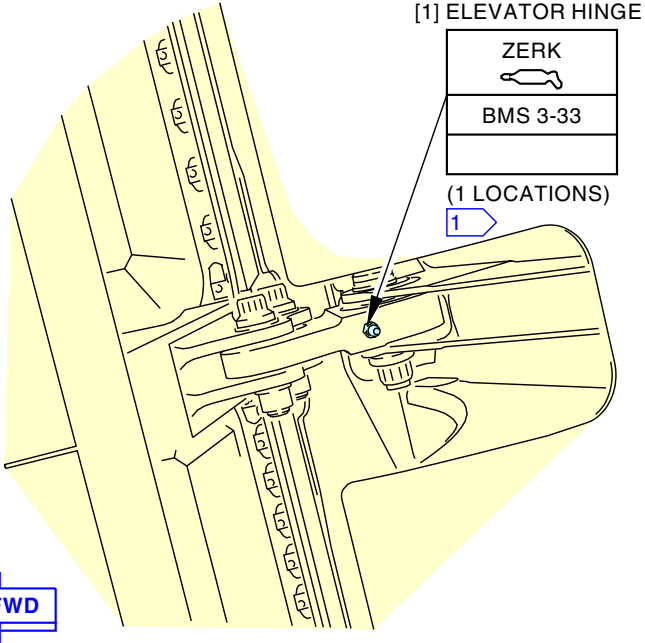
**Elevator Power Control Unit (PCU) Servicing  
Figure 2 (Sheet 2 of 2)**

EFFECTIVITY <b>ANG ALL</b>	SOURCE <b>MRB</b>	<b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b>  <b>D633W109-ANG</b> <b>12-002-01-01</b>	<b>Page 15 of 16</b> <b>May 05/2022</b>
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DATE	TAIL NUMBER	STATION	AIRLINE CARD NO.	BOEING CARD NO. <b>12-002-01-01</b>
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**A**



**[1] ELEVATOR HINGE**

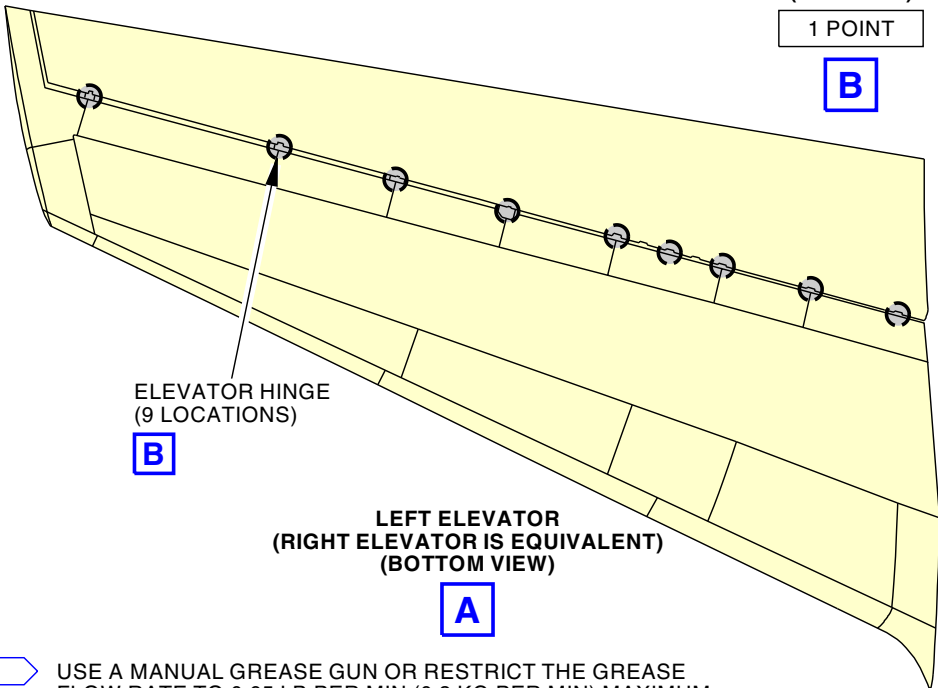
ZERK
BMS 3-33
(1 LOCATIONS)

**1**

**ELEVATOR HINGE (EXAMPLE)**

**1 POINT**

**B**



**ELEVATOR HINGE (9 LOCATIONS)**

**B**

**LEFT ELEVATOR (RIGHT ELEVATOR IS EQUIVALENT) (BOTTOM VIEW)**

**A**

**1** USE A MANUAL GREASE GUN OR RESTRICT THE GREASE FLOW RATE TO 0.65 LB PER MIN (0.3 KG PER MIN) MAXIMUM FOR POWERED GREASE GUNS

E30849 S0006401682\_V5

**Elevator Hinge Servicing**  
**Figure 3**

EFFECTIVITY <b>ANG ALL</b>	SOURCE <b>MRB</b>	<b>LEFT ELEVATOR POWER CONTROL ACTUATORS AND ELEVATOR HINGES</b>  <b>D633W109-ANG</b> <b>12-002-01-01</b>
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 May 05/2022