

Author: Haur Su J. Juse	<b>Field Modification Instruction          Power Lug Cover Installation</b>	FMI 751-056 12/14/12 Rev: 004
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**Field Modification Instructions for Project:**  
 Armored Pendant Cable Short Circuit Mitigation

**Procedure: Power Lug Cover Installation**

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<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><b>Author</b></td> <td style="width: 40%; text-align: right;"><b>Date</b></td> </tr> </table>		<b>Author</b>	<b>Date</b>
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**Subject:** S-Series and K-Series Armored Pendant Short Circuit Mitigation

**Reason:** In the event the lift is installed such that the armored pendant cord is not managed to be kept clear of the wheelchair lift and the protective, elastomeric cover is either omitted or improperly installed, the armored pendant cord may contact the power lug resulting in a high current short circuit and the possibility of fire.

**Affected Units:**

K2005-XXXXXXXXB K2005-XXXXXXXX3 K2010-XXXXXXXXB K5505-XXXXXXXXB K5505-XXXXXXXX3 K5510-XXXXXXXXB K5510-XXXXXXXX3	S2003-XXXXXXXXB S2005-XXXXXXXXB S2010-XXXXXXXXB S2010-XXXXXXXX3 S5505-XXXXXXXXB S5505-XXXXXXXX3 S5510-XXXXXXXXB
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**Approximate completion time:** 15 min

**Parts required:**

- Description**  
 Power Lug Cover  
 P-Clamps

**Tools required:**

- 1/2 Inch Wrench  
 1/2 Inch Lug Wrench  
 7/16 Inch Wrench  
 7/16 Inch Lug Wrench  
 Phillips Screw Driver

Follow all safety practices before attempting to work on wheelchair lift.



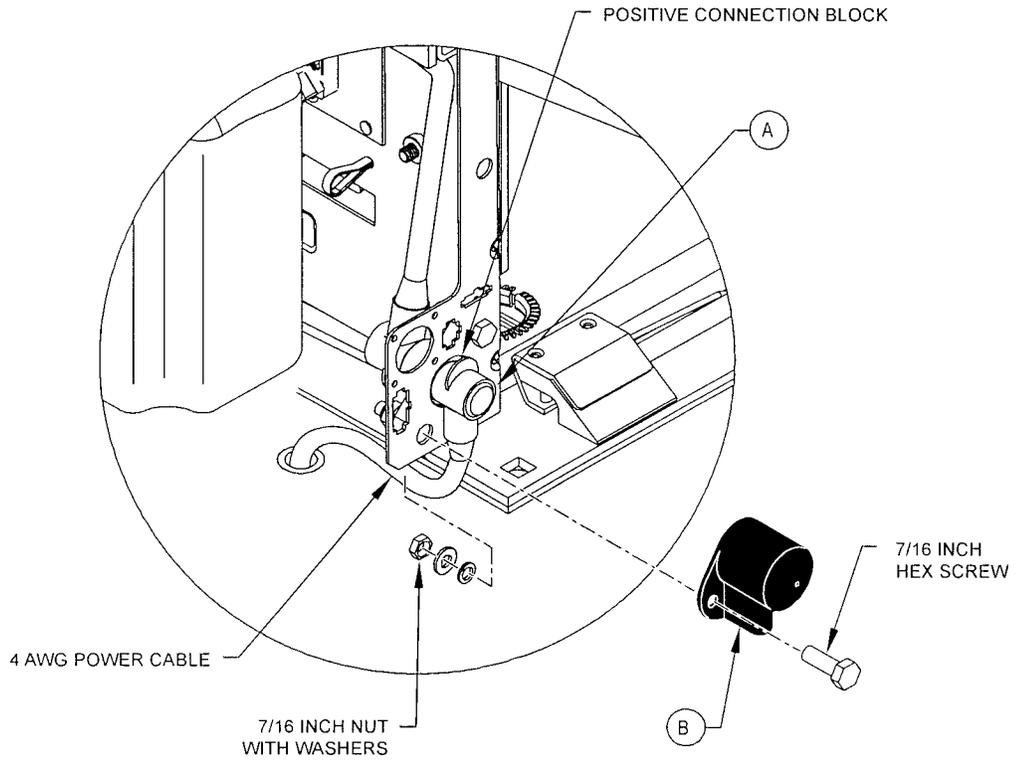
**WARNING**

Power must be removed from power cable before executing this field modification procedure.

**A. Power Lug Cover Installation**

1. Deploy wheelchair lift to vehicle floor level for access to external power lug at the base of the hydraulic pump.
2. Ensure power is removed from power cable before proceeding with procedure.
3. Remove pump cover if necessary to access base of hydraulic pump.
4. Refer to **Figure 1-1 and 1-2**. Remove and retain power cable hardware.
5. Refer to **Figure 1-1 and 1-2**. Remove Motor Terminal Boot (Item A) and discard.
6. Refer to **Figure 1-1 and 1-2**. Re-install power cable hardware onto positive connection block.
7. Refer to **Figure 1-1 and 1-2**. Remove and retain 7/16" bolt, washer and nut from terminal bracket and retain for installation.
8. Refer to **Figure 1-1 and 1-2**. Place Power Lug Cover (Item B) over installed power cable then install hardware to secure onto terminal bracket.
9. Ensure Power Lug Cover is secure and shields power cable.

# Field Modification Instruction Power Lug Cover Installation



A

MOTOR TERMINAL BOOT  
KIT P/N 37152 SHIPPED WITH PUMP HANDLE  
TO BE REPLACED WITH POWER LUG COVER

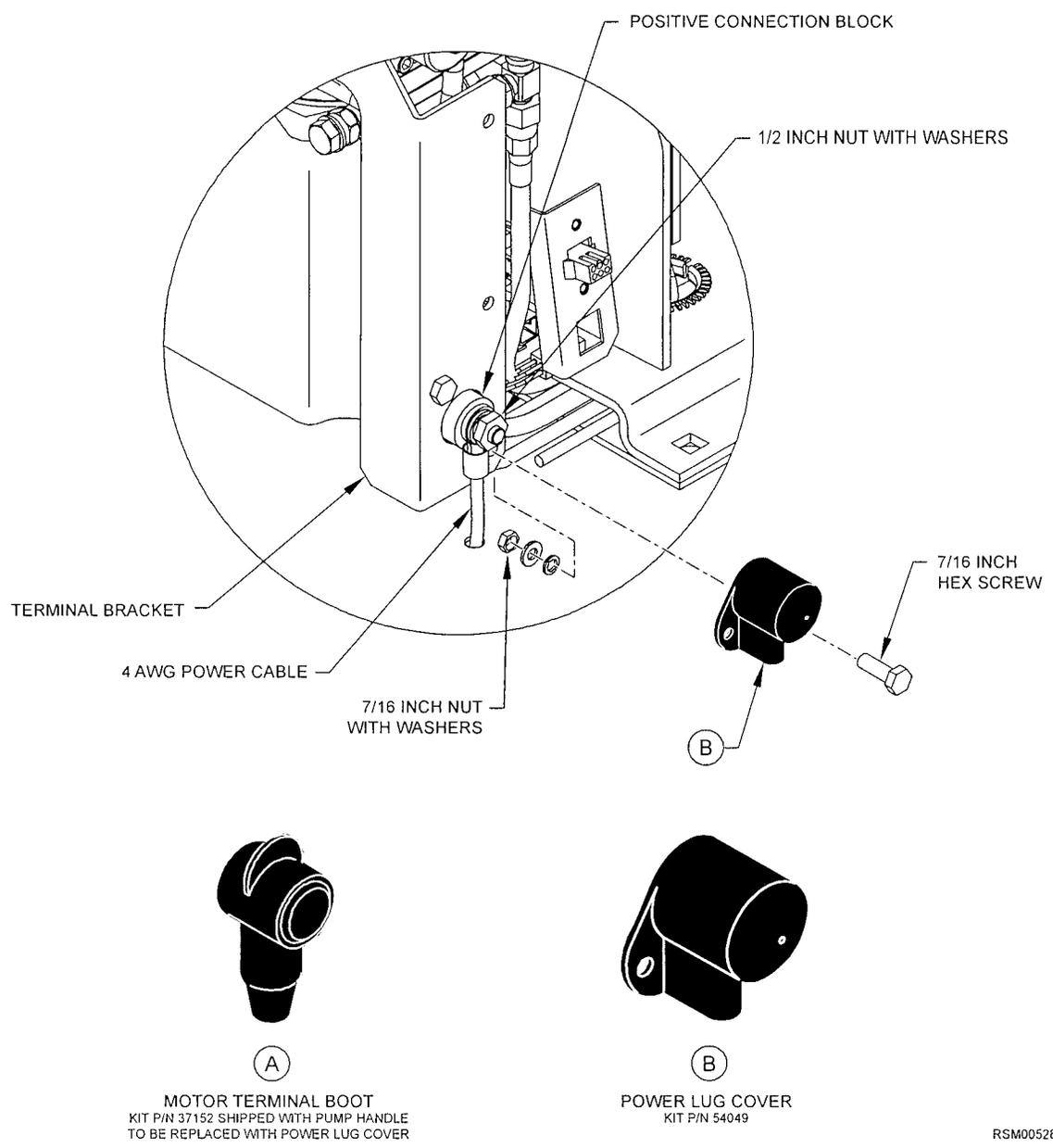


B

POWER LUG COVER  
KIT P/N 54049

RSM0052801

Figure 1-1. Power Lug Cover Installation (Chassis model)

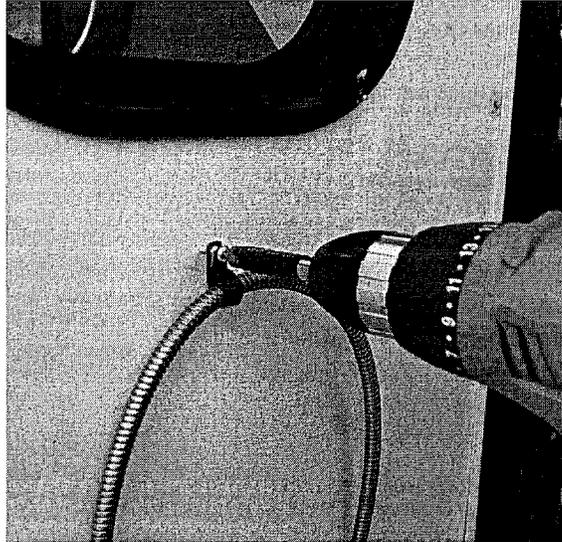


RSM0052801

Figure 1-2. Power Lug Cover Installation (Terminal Bracket Model)

**B. Pendant Cord Installation**

1. Ensure power is removed from power cable before proceeding with procedure.
2. Refer to **Figure 1-3**. Attach P-Clamp to pendant cord then install to bus door with screw.



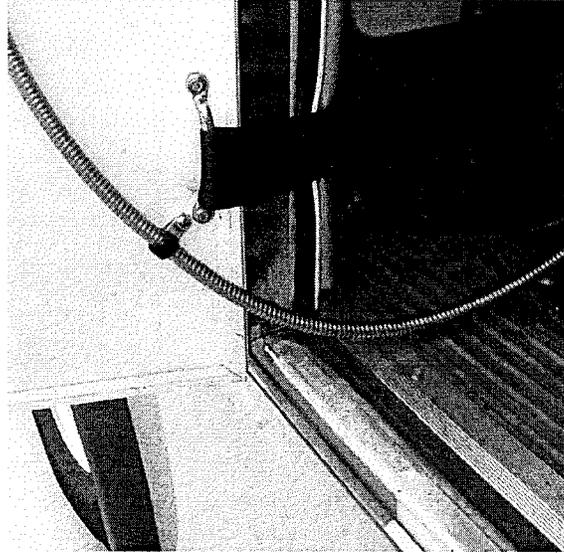
**Figure 1-3. Install P-Clamp on Bus Door**

3. Refer to **Figure 1-4**. Ensure enough slack on pendant cord. Also ensure pendant does not make contact with ground.



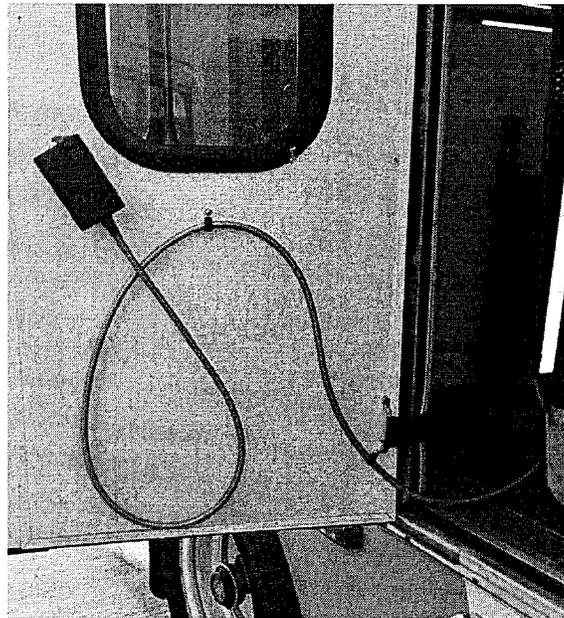
**Figure 1-4. Install P-Clamp on Bus Door**

4. Refer to **Figure 1-5**. Install P-Clamp near edge of bus door to secure pendant cord. Ensure pendant cord does not make contact with power connection.



**Figure 1-5. Install P-Clamp on Bus Door**

5. Refer to **Figure 1-6**. Install pendant bracket on bus door. Ensure pendant cord does not bind or pinch when bus doors are closed.



**Figure 1-6. Install pendant bracket on Bus Door**