

## **FT4 4LE2 E C M Reprogram Procedure**

(For US DENYO/Multiquip)

**1. Subject Machine**

- Subject Application : Compressor DIS-185SSI4F
- Subject Engine Model : 4LE2TACD01
- Subject Production Term : From March, 2015 to May, 2016
- Subject Engine Serial : Please refer to the attached "Subject Engine Serial List".

**2. Outline of work operation**

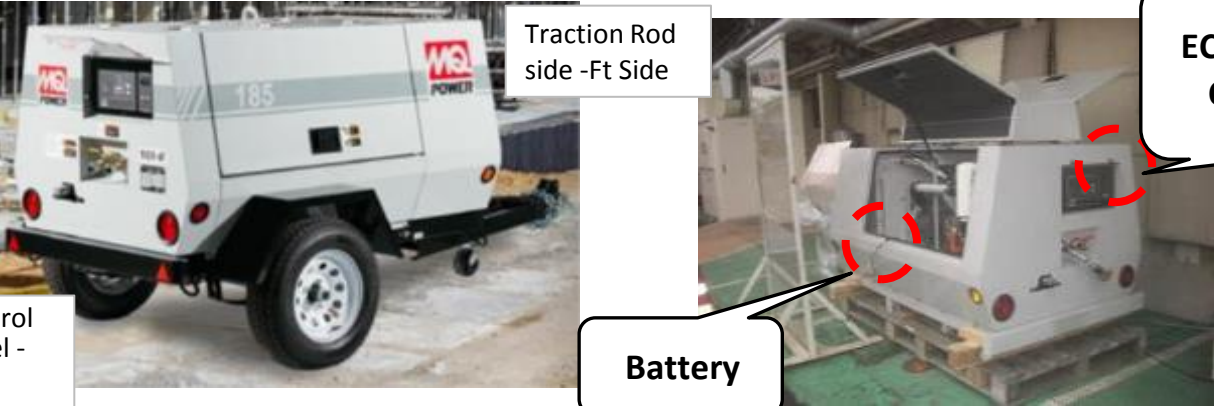
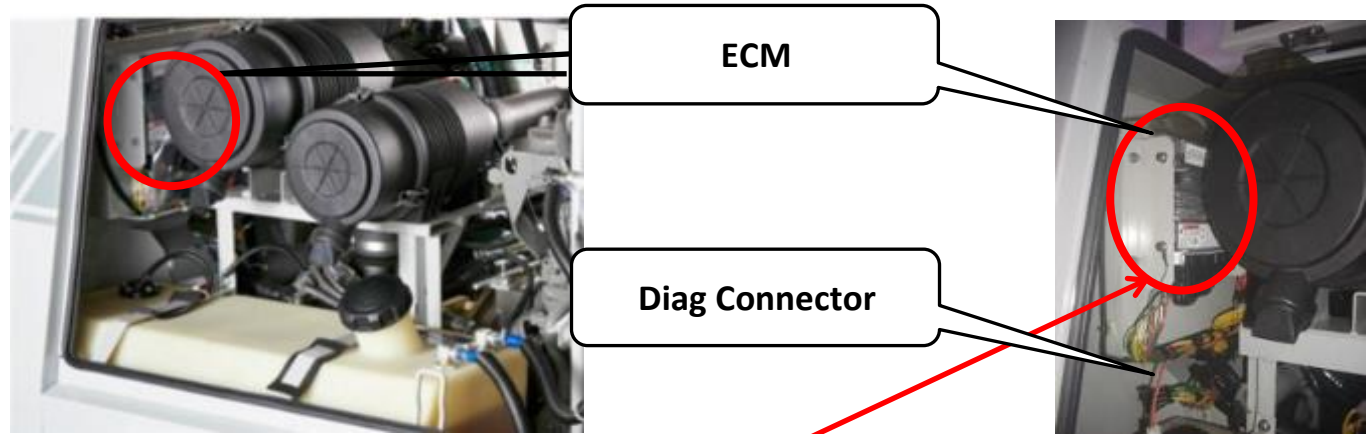
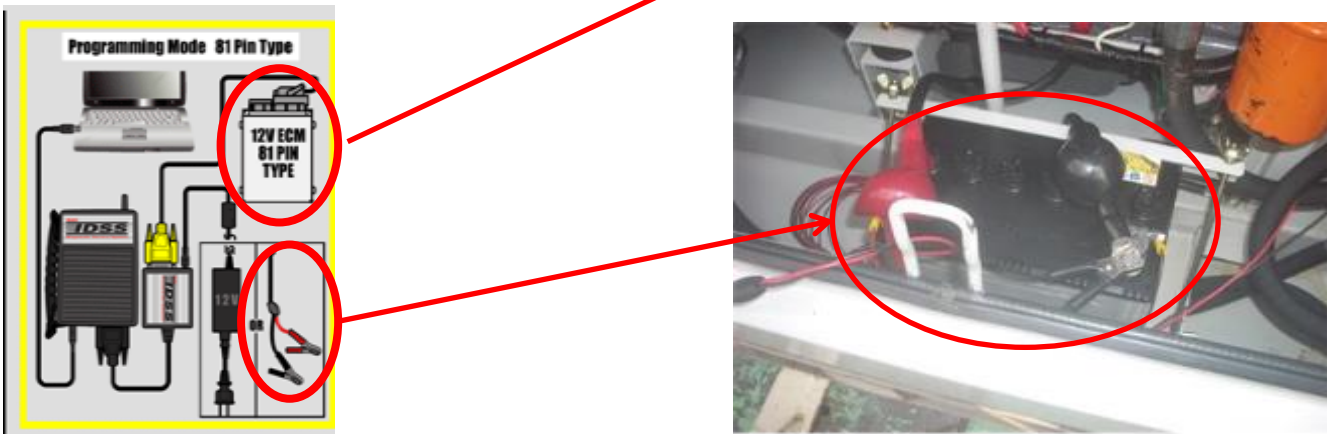
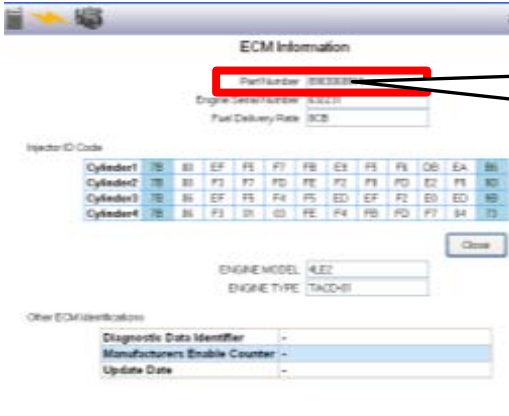
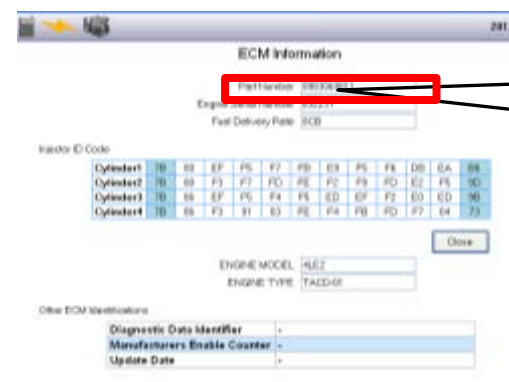

- Labor time is one hour.
- New ECM part number 8-98373-194-0.

**3. Tools needed for ECM reprogramming.**

- E-IDSS and PC

**Caution:**

**Please insure that your E-IDSS has received the latest updates before you perform any programming operations.**

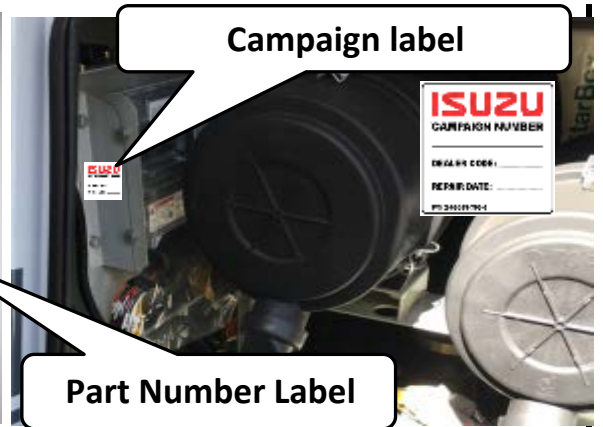
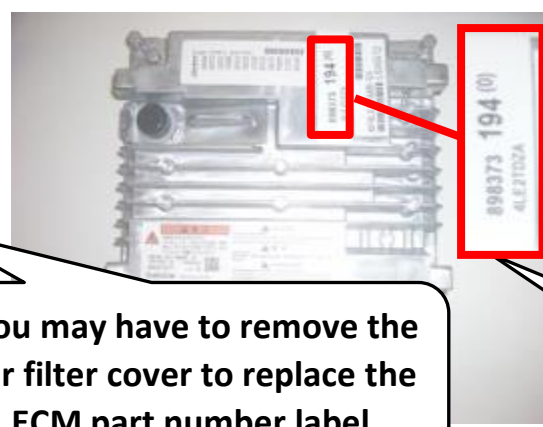
1 Reprogramming ECM on the machine.																										
<p>1 Open right and left side doors to expose the battery and ECM.</p>	 <p>Control Panel - Rear</p> <p>Traction Rod side -Ft Side</p> <p>Battery</p> <p>ECM and Diag Connector</p>																									
<p>2 Viewing the generator from control panel the ECM is located on the right side between the back of the control panel and air cleaner. Ensure that the ignition is turned off or disconnect battery power. Disconnect both sides of the harness from the ECM.</p>	 <p>ECM</p> <p>Diag Connector</p>																									
<p>3 Follow on-screen E-IDSS connection instructions. Connect the E-IDSS to the ECM with the yellow 81 pin programming cable. Connect the power adapter to the battery of the machine and then connect the USB cable to the PC. Viewed from the control panel the battery is located on the left hand side.</p>	 <p>Programming Mode 81 Pin Type</p> <p>12V ECM 81 PIN TYPE</p>																									
<p>4 Load the engine in E-IDSS and go to the Programming menu. Confirm the current ECM part number is 8983069810 or 8983069811.</p>	 <p>ECM Information</p> <p>Part Number: 8983069811</p> <p>Confirm 8983069811 is the original ECM part number.</p> <table border="1"> <thead> <tr> <th>Injector ID Code</th> <th>Injector 1</th> <th>Injector 2</th> <th>Injector 3</th> <th>Injector 4</th> </tr> </thead> <tbody> <tr> <td>Cylinder1</td> <td>80</td> <td>EF</td> <td>F5</td> <td>F7</td> </tr> <tr> <td>Cylinder2</td> <td>80</td> <td>F3</td> <td>F2</td> <td>F6</td> </tr> <tr> <td>Cylinder3</td> <td>80</td> <td>EF</td> <td>F5</td> <td>F7</td> </tr> <tr> <td>Cylinder4</td> <td>80</td> <td>F3</td> <td>F2</td> <td>F6</td> </tr> </tbody> </table> <p>ENGINE MODEL: HLE2 ENGINE TYPE: TACD01</p>	Injector ID Code	Injector 1	Injector 2	Injector 3	Injector 4	Cylinder1	80	EF	F5	F7	Cylinder2	80	F3	F2	F6	Cylinder3	80	EF	F5	F7	Cylinder4	80	F3	F2	F6
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<p>5 Carry out a reflash with the E-IDSS. During this time do not tamper with the E-IDSS or any connections.</p>	<p>Carryout a normal reflash with the E-IDSS and follow the on-screen instructions. Select the part number 8983731940 for this reflash.</p>																									
<p>6 Once the reflash is complete then request the ECM information again to confirm the new ECM part number is 8983731940.</p>	 <p>ECM Information</p> <p>Part Number: 8983731940</p> <p>Confirm 8983731940 is the new ECM part number.</p> <table border="1"> <thead> <tr> <th>Injector ID Code</th> <th>Injector 1</th> <th>Injector 2</th> <th>Injector 3</th> <th>Injector 4</th> </tr> </thead> <tbody> <tr> <td>Cylinder1</td> <td>80</td> <td>EF</td> <td>F5</td> <td>F7</td> </tr> <tr> <td>Cylinder2</td> <td>80</td> <td>F3</td> <td>F2</td> <td>F6</td> </tr> <tr> <td>Cylinder3</td> <td>80</td> <td>EF</td> <td>F5</td> <td>F7</td> </tr> <tr> <td>Cylinder4</td> <td>80</td> <td>F3</td> <td>F2</td> <td>F6</td> </tr> </tbody> </table> <p>ENGINE MODEL: HLE2 ENGINE TYPE: TACD01</p>	Injector ID Code	Injector 1	Injector 2	Injector 3	Injector 4	Cylinder1	80	EF	F5	F7	Cylinder2	80	F3	F2	F6	Cylinder3	80	EF	F5	F7	Cylinder4	80	F3	F2	F6
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<p>7 Reconnect machine harness to the ECM. Connect blue diagnostic cable to the machine.</p>	 <p>Programming Mode Controller (12V) - Other than 81 or 81 Pin Type</p> <p>12V</p> <p>Diag connector is under the ECM as attached photo.</p>																									
<p>8 Clear any DTCs in the ECU that may have occurred during programing</p>	<p>Confirm that the engine starts and runs properly. Confirm that no DTCs are present in the ECU. Erase any codes found in the ECU.</p>																									

9) Once the work has been completed attach the new labels to the ECM and machine.

Replace ECM part number label on the ECM with updated part number.

Affix the campaign label to the ECM bracket as illustrated.

Unit can be returned to customer.



You may have to remove the air filter cover to replace the ECM part number label.

