

ILD LOCK CYLINDER CHANGE-OUT INSTRUCTIONS

REVISION 2_012505

1. TOOLS REQUIRED for ILD LOCK CYLINDER CHANGE-OUT

- a. 3/16" Hex Allen Wrench
- b. Phillips Screwdriver
- c. 1-3/8" Deep Socket or Adjustable Wrench
- d. Blocks to support ILD

2. LOCK CYLINDER ASSEMBLY REMOVAL, ILD MAIN HOUSING

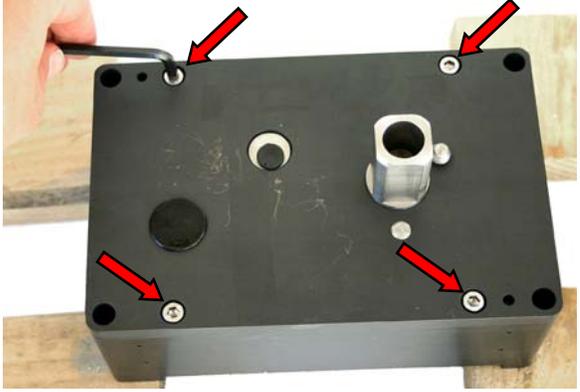
<p>2.1 Place ILD on blocks to support ILD during disassembly. Remove the four Allen Head Cap Screws securing the Housing Cover. (View of Single Key Configuration)</p>	
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Figure 1. Removing Allen Head Cap Screws Securing Housing Cover

<p>2.2 Remove Housing Cover. (View of Single Key Configuration)</p>	
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Figure 2. Removing Housing Cover

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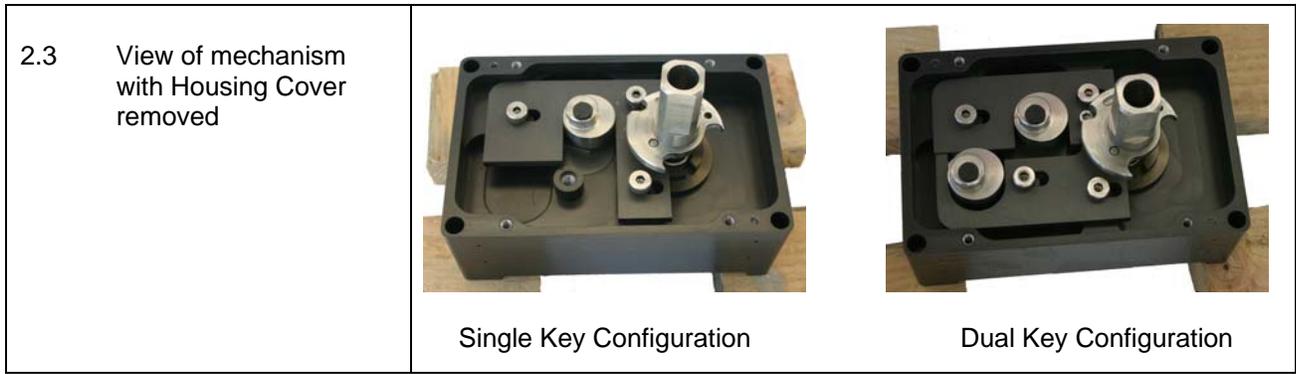


Figure 3. Viewing of Internal Mechanisms



Figure 4. Removing Camshaft Sleeve Subassembly



Figure 5. Removing Lock Cylinder Cam(s)

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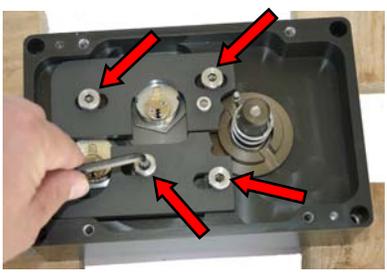
<p>2.6 Remove Shoulder Screws as shown.</p>	 <p>Single Key Configuration</p>	 <p>Dual Key Configuration</p>
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Figure 6. Removing Shoulder Screws

<p>2.7 Remove Lock Bolt Subassembly</p>	 <p>Single Key Configuration</p>	 <p>Dual Key Configuration</p>
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Figure 7. Removing Lock Bolt Subassembly

<p>2.8 Remove Lock Cylinder Assembly hold down Screw.</p>	 <p>Single Key Configuration</p>	 <p>Dual Key Configuration</p>
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Figure 8. Removing Lock Cylinder Assembly Hold Down Screw

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<p>2.9 Remove Lock Cylinder Assembly.</p> <p>Note: Skip section 3.0 if replacing preassembled Lock Cylinder Assembly.</p>		
	<p>Single Key Configuration</p>	<p>Dual Key Configuration</p>

Figure 9. Removing Lock Cylinder Assembly

3. LOCK CYLINDER ASSEMBLY

<p>Nut 550139</p>		<p>Lock Cylinder 550140</p>
		<p>Cylinder Mounting Plug 550106</p>
<p>Cylinder Locking Pin 550108</p>		

Figure 10. Lock Cylinder and Assembly Components

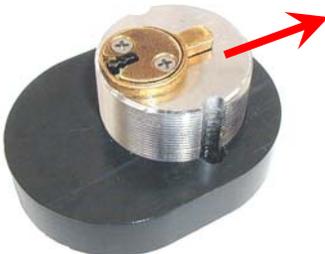
<p>3.1 Insert the appropriate Lock Cylinder into the Cylinder-Mounting Plug. Ensure Tang of Cylinder Cam is oriented as illustrated, if not, assembly of the Cylinder Cam Lock will not be possible.</p>	 <p>Ensure Cam Tang points away from main body of Cylinder Mounting Plug as shown.</p>
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Figure 11. Lock Cylinder Orientation

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<p>3.2 Insert the Cylinder-Locking Pin (550108) in the backside of the Lock Cylinder, lining up the slots of the Lock Cylinder and Cylinder Mounting Plug.</p>	
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Figure 12. Inserting Cylinder Locking Pin

<p>3.3 Screw the Lock Cylinder Nut onto the Cylinder and tighten using 1-3/8" Deep Socket or Adjustable Wrench, ensuring no gap between the Nut and the Cylinder Mounting Plug.</p>	
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Figure 13. Completed Lock Cylinder Assembly

4. LOCK CYLINDER ASSEMBLY INSTALLATION, ILD MAIN HOUSING

<p>4.1 Install Lock Cylinder Assembly. (1) for Single Key ILD or (2) for Dual Key ILD.</p>	 <p>Single Key Configuration</p>	 <p>Dual Key Configuration</p>
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Figure 14. Installing Lock Cylinder Assembly

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Figure 15. Installing Lock Cylinder Assembly Hold Down Screw



Figure 16. Installing Lock Bolt Subassembly

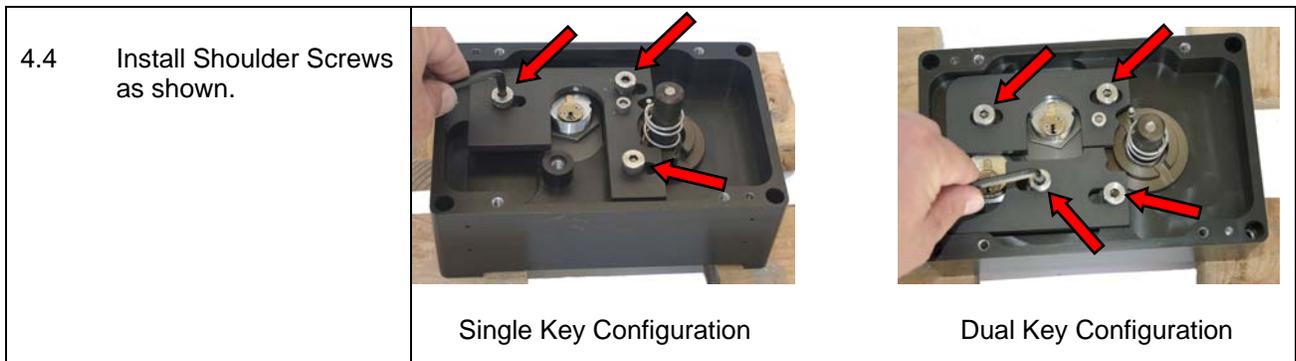


Figure 17. Installing Shoulder Screws

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<p>4.5 Install Lock Cylinder Cam(s).</p>	 <p>Single Key Configuration</p>	 <p>Dual Key Configuration</p>
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Figure 18. Installing Lock Cylinder Cam(s)

<p>4.6 Install the Camshaft Sleeve Subassembly. Ensure bronze washer is flush in its counterbore and that the Camshaft Sleeve Subassembly is clocked correctly in the position shown.</p> <p>Note: If the Bronze Thrust Washer it is not seated flush within its counterbore at assembly, damage to the ILD will occur when it is operated.</p> <p>(View of Single Key ILD Configuration)</p>	 <p>Bronze Washer</p>
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Figure 19. Installing Camshaft Sleeve Subassembly

<p>4.7 Install ILD Housing Cover. Ensure Bronze Thrust Washer is seated flush within its counterbore by holding the Camshaft Sleeve Subassembly as shown during assembly.</p> <p>(View of Single Key ILD Configuration)</p>	 <p>Bronze Washer</p>
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Figure 20. Install ILD Housing Cover

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- 4.8 Install the four Allen Head Cap Screws securing the Housing Cover.
(View of Single Key ILD Configuration)

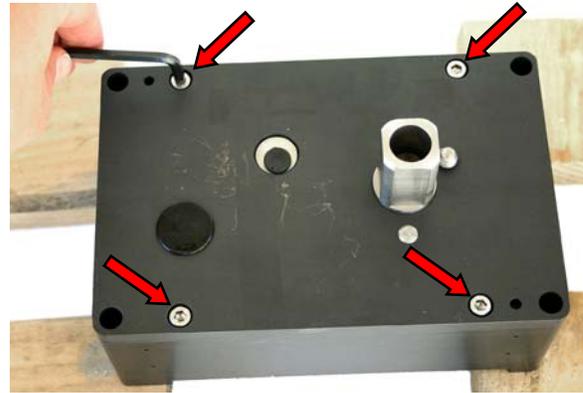


Figure 21. Installing Allen Head Cap Screws Securing Housing Cover