



ALLEN-BRADLEY

## CENTERLINE<sup>®</sup> Motor Control Centers

### *Replacing the Handle Locking Mechanism on Bulletin 2100 / 2400 Units*

Catalog Numbers 2100-Lockout1, 2100-Lockout2

#### Instructions

#### Application

Use these instructions to replace the locking mechanism on the handle operator bearing of circuit breaker units with 150A through 400A frame circuit breakers, and fusible disconnect units with 30A through 100A fusible disconnect switches.



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**WARNING:** The handle operators will need to be turned **ON / I** and **OFF / O** during the locking mechanism replacement procedure, potentially energizing their respective units. Therefore, the units must be isolated from the power source(s). Frame mounted units and plug-in units can be isolated by de-energizing and locking out the main horizontal bus supply to the motor control center. Plug-in units can also be isolated by removing them from the motor control center.

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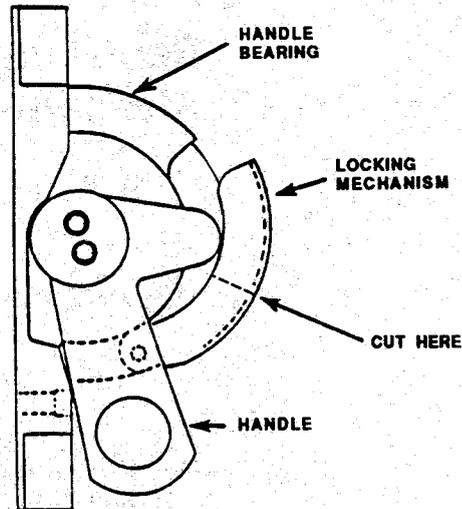
#### Replacement Procedure

1. Isolate the unit that needs to be repaired from the power source(s). If the unit will be isolated by removing it from the motor control center, then turn the handle operator to the **OFF / O** position, unplug the stabs, and pull it out of the section. For more information, refer to the "Unit Removal and Installation" section of the Instruction Manual, Publication 2100-5.0.
2. To remove the old locking mechanism, push the handle to the **OFF / O** position. Pull out the locking mechanism and cut it off at approximately the midpoint. Use *Figure 1, page 2* as a reference.

## Instructions

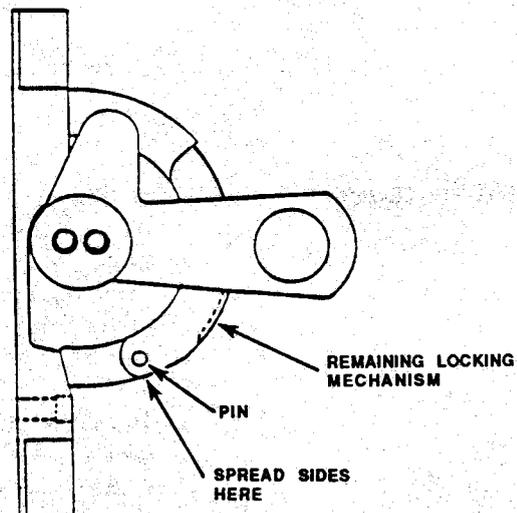
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**Figure 1.**  
Illustration of the handle operator, locking mechanism, and cutting point on the locking mechanism.



3. Push the handle to the **ON / I** position. Spread the remaining locking mechanism sides apart, and release them from the pins of the handle bearing. Remove the locking mechanism by pulling it down and away from the handle bearing (refer to *Figure 2*).

**Figure 2.**  
Illustration of the handle operator in the ON / I position, remaining locking mechanism, and handle bearing pins.

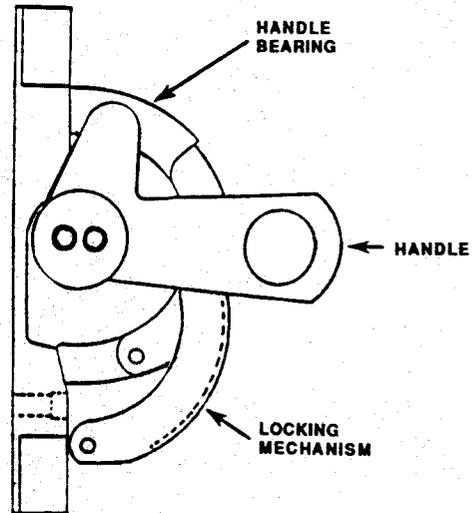


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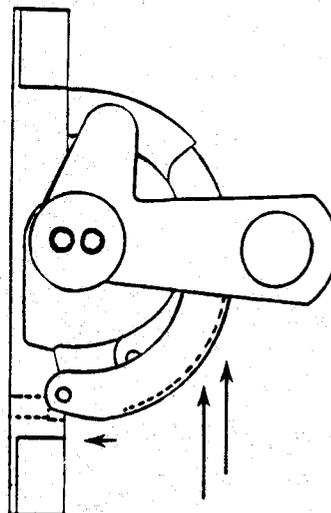
4. With the operator handle in the **ON / I** position, fit the top of the new locking mechanism over the handle bearing, below the operator handle, as shown in *Figure 3*.

**Figure 3.**  
Correct position for the new locking mechanism on the handle bearing .



5. Spread the sides of the locking mechanism and slide it over the handle bearing base. Push the locking mechanism in and up until it seats on the pins of the handle bearing (*Figure 4*).

**Figure 4.**  
Illustration of how to seat the locking mechanism on the handle bearing.

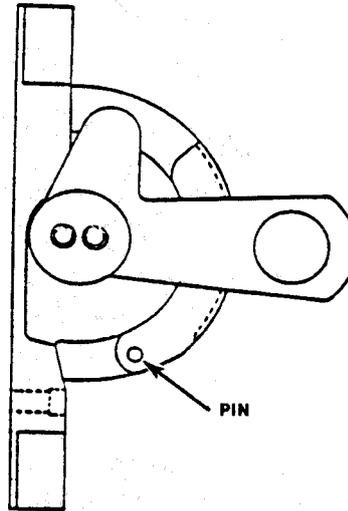


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6. Make certain that the locking mechanism is seated over the pins on the handle bearing, as shown in *Figure 5*. Move the handle to the **OFF / O** position. Pull the top of the locking mechanism away from the handle bearing to make certain that it pivots on the pins.

**Figure 5.**  
Final correct position for the locking mechanism on the handle bearing.



7. If it is a plug-in unit, replace the repaired unit in the section. Refer to the "Unit Removal and Installation" section of the Instruction Manual, Publication 2100-5.0.
8. Before re-energizing the motor control center, refer to the "Final Checklist Before Energizing" and "Energizing Equipment" sections of the Instruction Manual, Publication 2100-5.0.



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