The AFU-20S41-001 kit includes the necessary components to replace a defective switch in the AFU and AFUX Series Conveyor Control Safety Switches. The kit includes: (1) G.E. CR115B1 micro switch, (1) copper guard spring and the instructions to properly install the replacement switch. Your current AFU/AFUX Switch may not include the copper guard spring, when replacing the switch the copper guard spring should always be used.

**INSTALLATION**

**WARNING**
To avoid an electrical shock hazard electrical power must be turned OFF before and during installation and maintenance.

1. Remove switch housing from body by loosening four mounting screws on square flange.

**CAUTION**
To avoid damage to machine joint surfaces, hammers and prying tools must not be used to remove covers and switch housings. Do not handle covers and switch housings roughly or place them on surfaces that might damage or scratch the surfaces.

2. Disconnect the line wires to the old switch.

3. Remove switch from support pillars by loosening the two #6-32x1/2 screws holding it in place.

4. Place copper spring guard on bottom side of new CR115B1 switch, the hole in copper spring guard should line up with switch mounting hole. The copper spring guard should lie between the CR115B1 button and the AFU activating shaft. See figure 1 for proper orientation of spring guard.

5. Re-attach switch with spring guard in place with two #6-32x1/2 screws.

6. Connect switch to the line wires following your system wiring pattern in compliance with the National Electrical Code plus any other applicable local codes.

7. Remount switch assembly to body with four screws removed earlier, orienting indicating arm in correct position.

8. Test wiring for correctness with continuity checks and for unwanted grounds with insulation resistance tester.

**FIGURE 1 (AFUL SHOWN)**

Note 1: For AFUR assembly, copper spring guards should be on opposite side of pillars.

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