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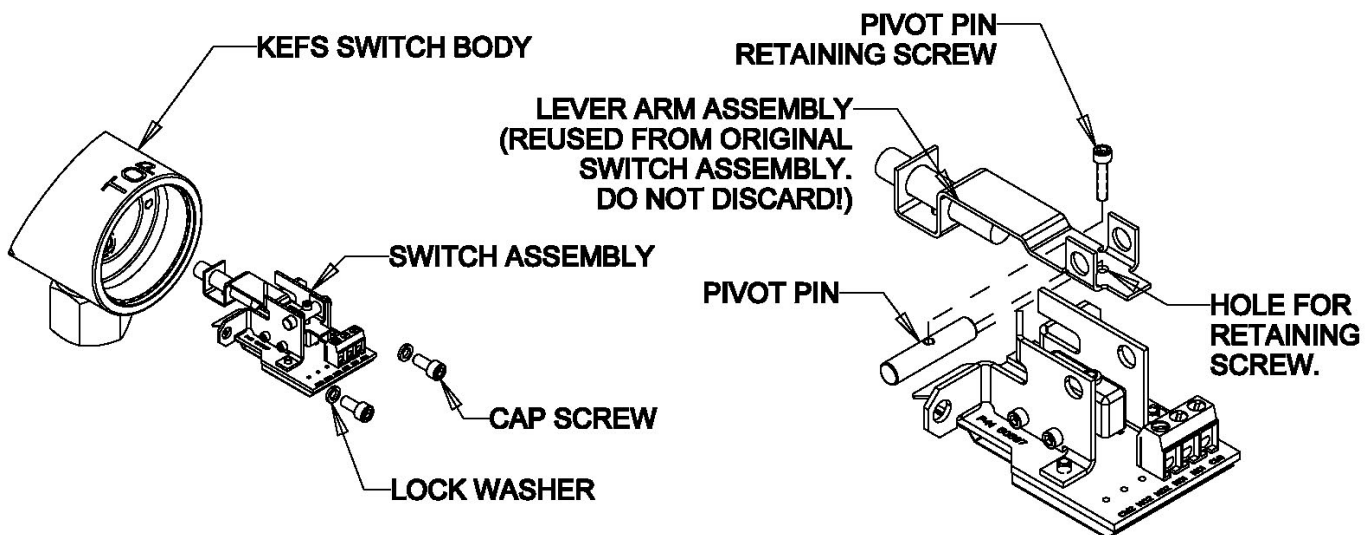
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MODEL KEFS LIQUID LEVEL FLOAT SWITCH MICROSWITCH ASSEMBLY REPAIR KIT INSTRUCTIONS.

RK-SPDT5-KEFS; RK-SPDT8-KEFS; RK-DPDT4-KEFS; RK-SPDT5-400-KEFS SWITCH REPAIR KIT

A note about replacing the switch in the KEFS Liquid Level Float Switch. The KEFS switch is magnetically operated. There is a magnet in the Float Assembly that reacts with a magnet in the Switch Assembly to operate the switch (See installation instructions for more details). These magnets come in a matched set, and cannot be exchanged with magnets from another Switch Assembly. This makes it very important that the magnet in the Switch Assembly not be adjusted or tampered with in any way. This magnet is part of the Lever Arm Assembly and must be reused with the new Switch Assembly. If you feel there is a problem with the Lever Arm Assembly or the magnetic adjustment of your switch, return it to the factory for repair. KENCO ENGINEERING recommends that all KEFS switches be sent back to the factory for switch replacement. We also understand that many times this is not practical or even possible. If care is used and the position of the magnet in the Lever Arm Assembly is not disturbed the switch may be replaced in the field using the following procedure:

To replace the switch in your KEFS, first disconnect any power to the switch and then remove the Switch Cover. Disconnect the wires from the terminal block. Remove the two socket head cap screws and lock washers retaining the Switch Assembly and set aside for use during reassembly. Gently pull the Switch Assembly out of the KEFS Switch Body. Next remove the Pivot Pin Retaining Screw and the Pivot Pin and carefully remove the Lever Arm Assembly. (Note: do not tamper with the magnet in the Lever Arm Assembly! Doing so will change the factory adjustment of the matched magnet pair in the KEFS and it will need to be sent back to the factory for recalibration.) Reinstall the Lever Arm Assembly in the new Switch Assembly. This is done by angling the Lever Arm Assembly into the Switch Assembly. When properly positioned, the Lever Arm Assembly will easily slide into place. Insert the new Pivot Pin. Carefully screw in the Pivot Pin Retaining Screw. Make sure the Pivot Pin Retaining Screw goes into the hole in the Lever Arm Assembly. Install the Switch Assembly into the KEFS Switch Body and reconnect the wiring using the reverse of the disassembly procedure. If the Float is accessible, cycle it by hand to make sure the switch actuates properly with no binding. If it is not, then push on the tab on the back of the Lever Arm Assembly to be sure it operates smoothly with no binding. The KEFS is ready to be reinstalled and put back into service.



(Note: If switch assembly is an RK-SPDT5-400-KEFS the appearance will be different from the assemblies shown. There will be 3 discrete wires in place of the terminal block and circuit board. Other than the method used to disconnect the wiring, the switch replacement procedure is the same.