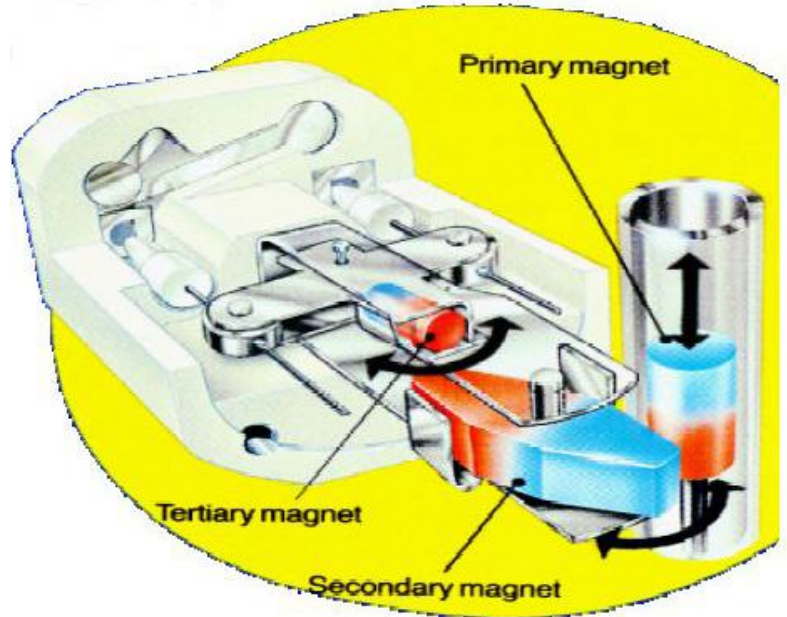
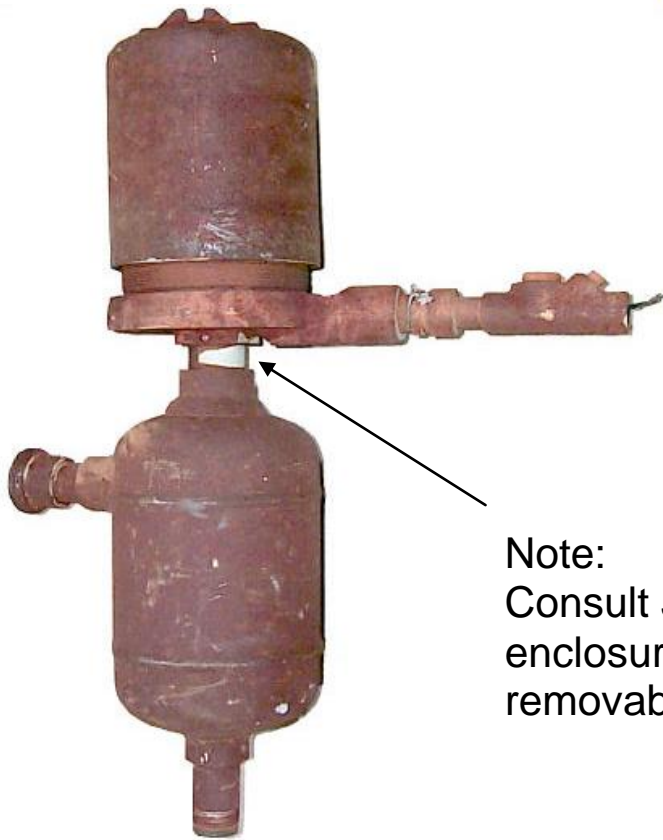


# Switch Upgrade



Note:  
Consult Jerguson if the  
enclosure is not  
removable.

# Switch Upgrade

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## 1. Disclaimer

This manual is designed to aid and guide in the installation, operation, and maintenance of Clark-Reliance equipment. Authorized personnel must read and understand all instructions before attempting to install, operate, or maintain this equipment. Only persons certified to perform work described herein should attempt any actions suggested. Safety precautions and company safety standards should be observed at all times when performing the activities described in this manual.

## 2. Preparation

Ensure switch has been isolated from the process, all pressure relieved and fluid drained from the housing. Refer to company procedures and SDS sheets for proper handling and neutralization of process fluid, as required, prior to commencing work outlined in this manual. Work is best performed on a workbench in a clean, controlled environment.

## 3. Personal Protective Equipment (PPE)

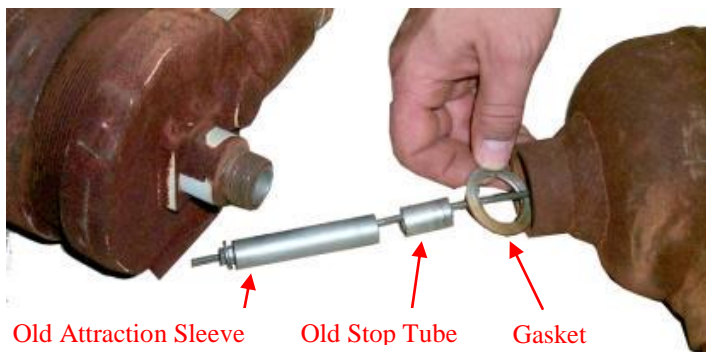
Use of safety glasses and gloves are recommended, at a minimum. Refer to company PPE requirements for additional items.

# Switch Upgrade

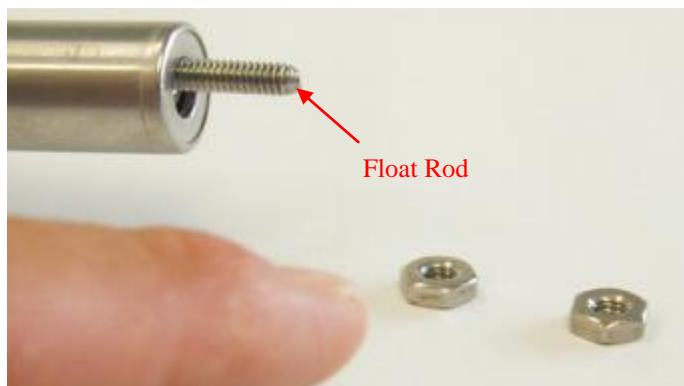
1. Remove switch enclosure from float cage.



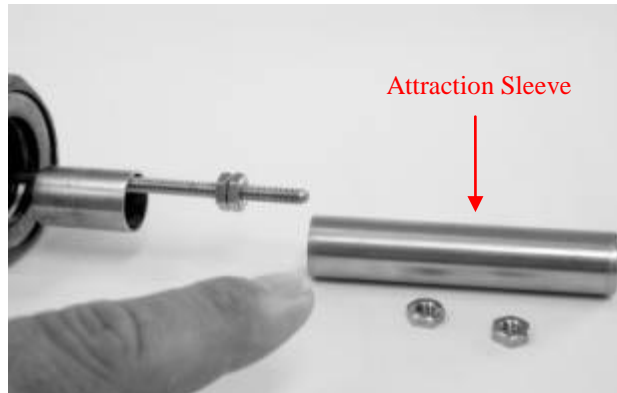
2. Remove gasket.



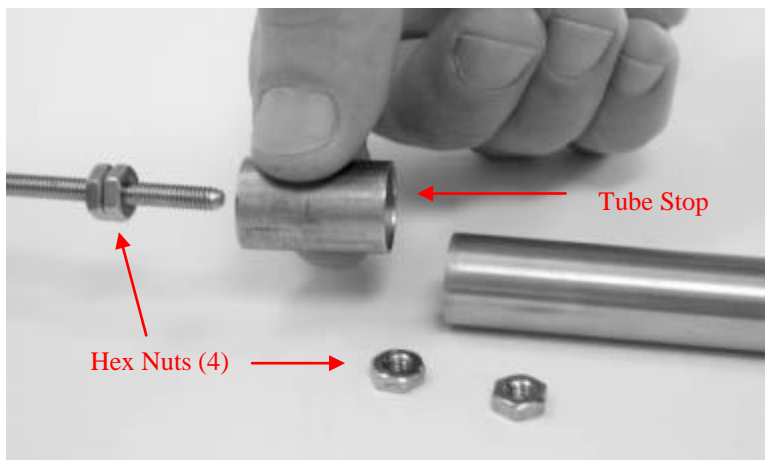
3. Secure float rod, before removing (2) 8-32 hex nuts, to prevent float assembly from falling into chamber.



4. Remove attraction sleeve.



5. Remove stop tube.



6. Remove ONE of the remaining hex nuts (4 total).

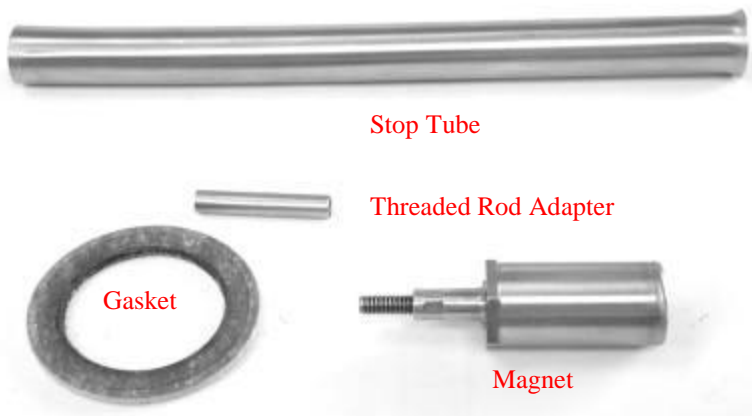


# Switch Upgrade

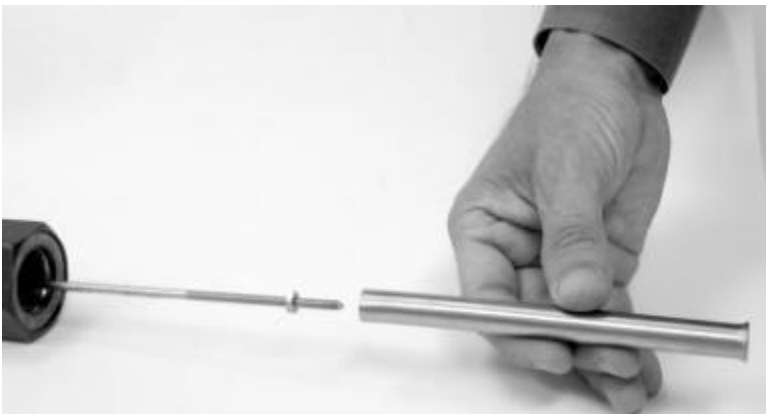
7. Prepare / clean gasket surface.



8. Prepare "Magnet Conversion Kit"



9. Install new stop tube by sliding over float rod. Flare on stop tube must be positioned towards the switch enclosure.

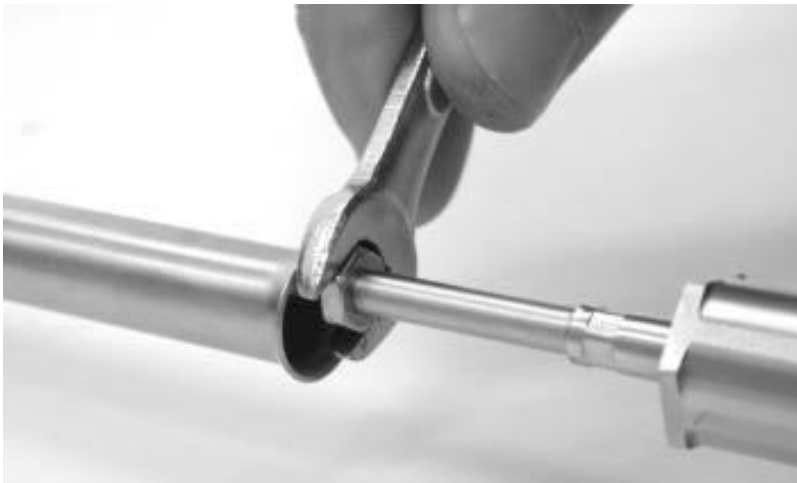


## Switch Upgrade

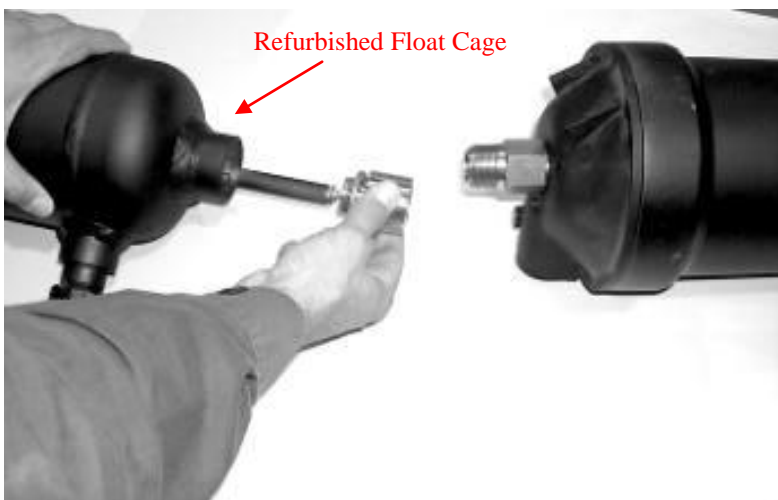
10. Attach (threaded) rod adapter magnet to float rod. Apply Loctite to all male threads prior to installation.



11. Tighten hex nut against rod adapter.

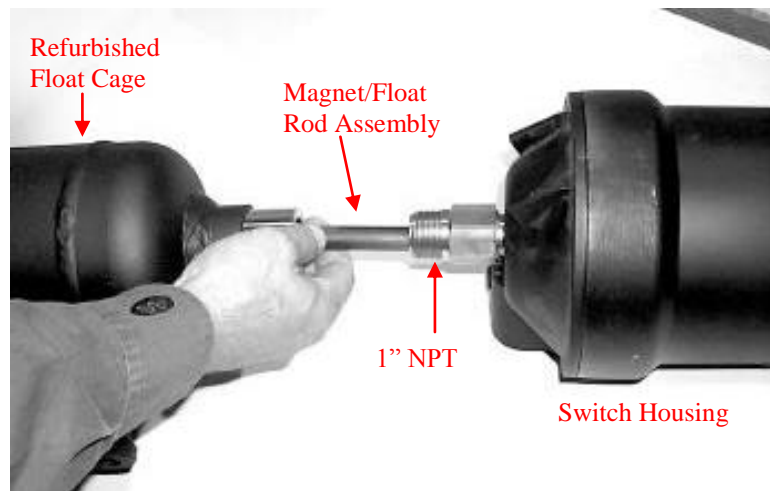


12. Replace old gasket with new gasket supplied before installing "enclosure adapter" over the magnet/float rod assembly.



## Switch Upgrade

- Slide float cage / float rod assembly into switch housing. Apply high-temperature thread sealant (Deacon 770P or equal) to 1" NPT Threads.



- Secure connections.



### Setting Switch Position:

- Place the chamber in a vertical position.
- Remove switch enclosure.
- Connect ohmmeter to either AA or BB Terminals.
- Slide the Switch Down on the tube until the switch contacts either open or close.
- Move switch up one inch and tighten hex screw and lock nut.
- Re-install switch enclosure.



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