

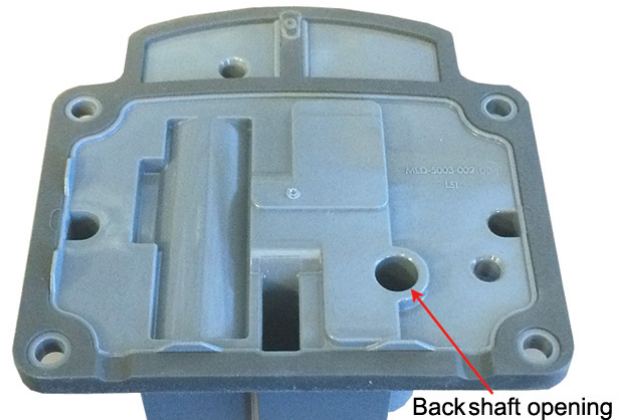
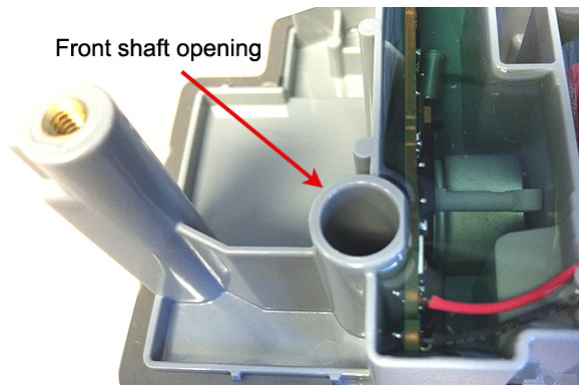
Replacing the Gas Module Shaft and Wiggler



Note These instructions show an American module, shaft, and wiggler. Shaft and wiggler assemblies may be black, blue, white, or red dependent on your module type. The procedure is the same for all modules shaft replacements.

Step one: Remove the old shaft and wiggler

- Carefully remove the old shaft and wiggler from the module housing.
- Inspect the front and back shaft openings and the interior walls of the opening. If there is any damage to the housing's shaft opening or cavity, do not proceed with the replacement.

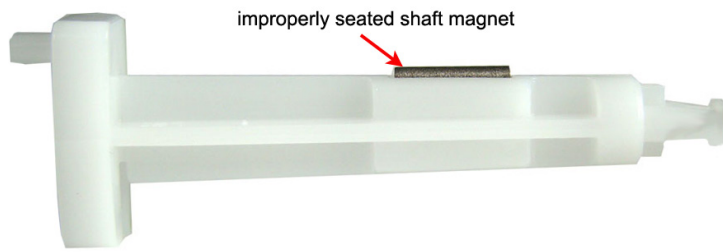


Step two: Inspect the shaft and magnet assembly

- Inspect the shaft/magnet assembly to:
 - ensure the assembly has no defects and that the magnet is properly seated in the shaft.
 - ensure the shaft or magnet is not broken or cracked.



Example of a properly seated magnet and good shaft/magnet assembly.

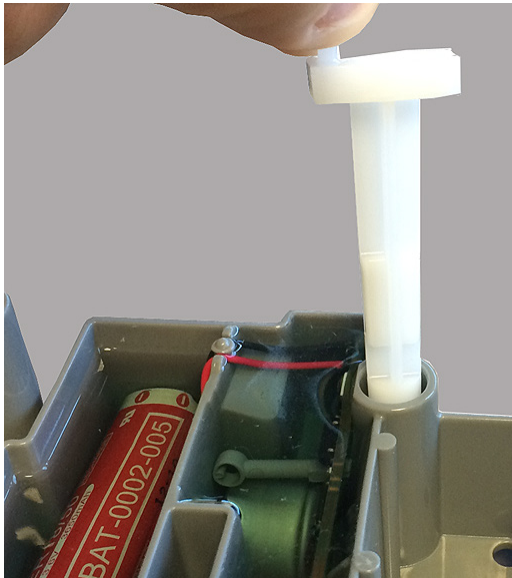


Example of improperly seated magnet. The magnet must sit flush in the shaft.

- ❗ **Important** A shaft with an improperly seated magnet can cause issues with shaft rotation and result in an improperly functioning gas module.

Step three: Insert the new shaft

- Insert the shaft into the top of the shaft opening.

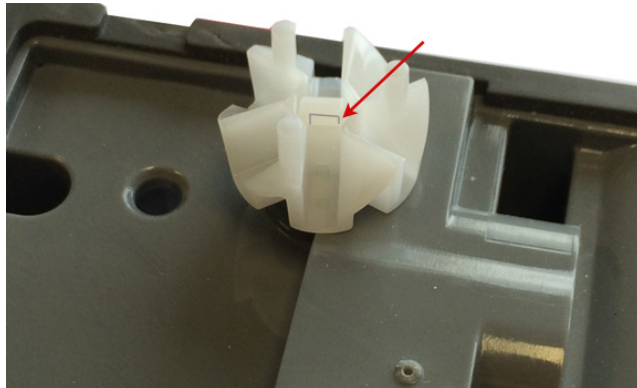


- Ensure the narrow end of the shaft faces toward the back of the module.



Step four: Attach the wiggler

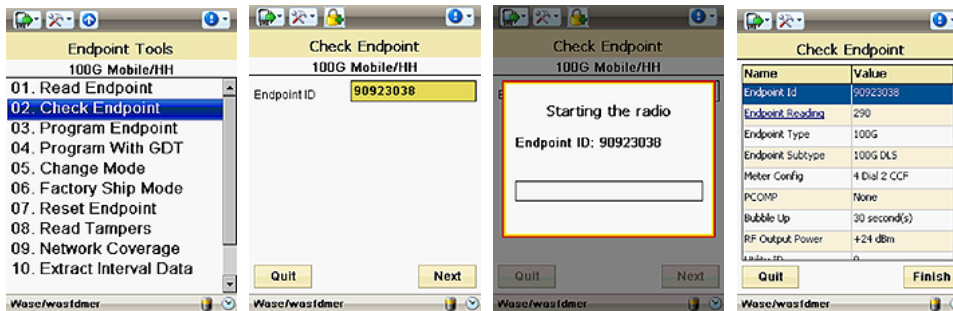
- Press the wiggler over the end of the shaft until the wiggler snaps into place as shown in the following illustration. Ensure the wiggler fins face away from the shaft.



- The shaft must protrude through the wiggler and be securely attached.
 - ! **Note** If the wiggler pulls away from the shaft, it is not securely attached.

Step five: Perform a Check Endpoint

- Perform a **Check Endpoint** with an Itron handheld to get the current count.



- Add three counts to the endpoint by rotating the shaft/wiggler assembly three revolutions.
 - ! **Note** The endpoint reading increments based on your unit's programming. For example, if three counts are added to an endpoint programmed for 2CCF, the endpoint reading will increase by six as shown in the following procedure.

- Perform another **Check Endpoint** to verify the endpoint is counting correctly.

