Flyin' Miata INSTALLATION INSTRUCTIONS

REPLACEMENT DIPSTICK HANDLE
M04-36200

Thank you for purchasing an FM replacement dipstick handle. It is a common occurrence to have the factory dipstick handle break off. This replacement handle is an easy and affordable alternative to purchasing a whole new dipstick and it is even made from a carbon fiber filament for exceptional strength. It should be fine dealing with the underhood temeratures of a street driven car, but it may not hold up to track use. If you have any questions during installation or suggestions for improvement to the product or the instructions - please don't hesitate to call or email.

WARNING: Not everyone can perform every installation. It is critical that you be honest with yourself in regards to your ability. We're more than happy to help, but there are only so many things we can do from the other end of a phone / computer. If in doubt, discuss the install with us before you dive in. Improper installation could cause injury and / or death!

Required Tools:

- **Hand file or belt sander**

The installation of the handle is pretty straight forward, but there are few things that you should know:

1. **The handle is designed to only be installed one time and to hold on tight. Attempting to remove the handle from the dipstick could result in damage to either the handle or the dipstick.**
2. The Mazda dipstick can break off at almost any point. To be able to install the replacement handle, you will need to sand or file down what ever is left up to the lower disk portion (1). A small amount (<1mm) of the shaft material left is okay. **Be careful not to sand or file off any of the disk material.** It is common to end up filing off some of the metal rod embedded in the plastic.
3. The handle simply snaps onto the disk portion of what is left. Start inserting the disk of the open slot on the replacement handle at a slight angle to clear the locking tab. Once the dipstick is fully installed it will be seated past the locking tab as shown (2).
4. In rare cases, the fitment between the replacement handle and the dipstick is loose. This is often caused by aged or damaged plastic on the dipstick. If you experience this, we recommend using super glue (preferably Loctite 401) to bond the parts together.
5. The disk on the dipstick acts as a stop to give you the appropriate oil level reading. Since our handle hangs under the disk by about 1mm, it effectively raised the dipstick out of the oil by the same 1mm. Thus, it will show a slightly low reading, but by only about 3% of one quart (≈30mL).