

## K24Z3 Type S Oil Pump Upgrade Kit - Version 2

Our revised K20 Type S oil pump kit for the K24Z3 and K24Z7 engines makes upgrading to a K20 oil pump even easier than before.

Specifically, our new kit includes a laser cut windage tray to replace the modified OEM tray to ensure a perfect fit every time. Additionally, a machined aluminum oil jet plug is included, which eliminates the need to tap threads in the oil jet hole on some blocks.

This installation guide is meant to serve as a companion to the complete K24Z3 Miata swap installation guide on our website.

To begin, remove the factory oil pan, timing chain, oil pump chain, guides, and windage tray.

Next, locate the oil jet on the bottom of the block, it needs to be removed any time a K20 pump is installed on a K24.



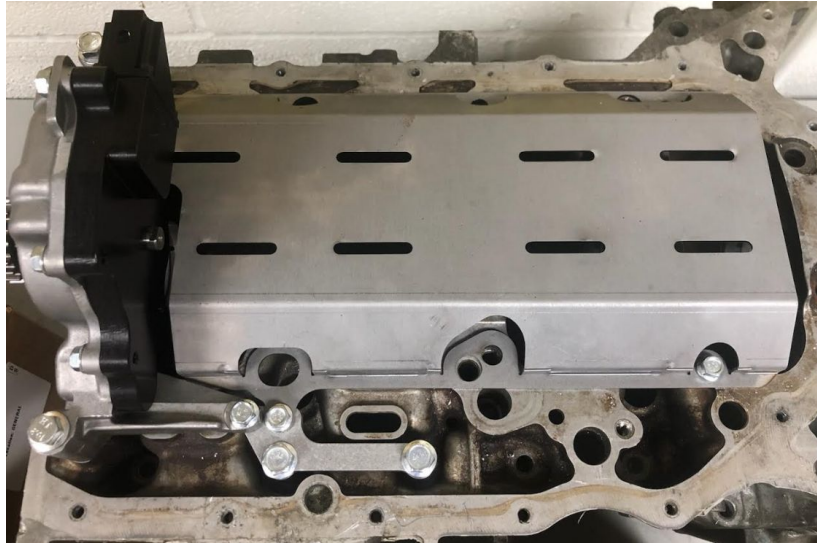
You can use a small drill bit to catch the inside of the plug, or drill it first and twist in a small machine screw. If it doesn't pull out on the end of the drill bit, you can use pliers to remove it.

Once this oil jet is removed, the oil pump and windage tray can be bolted down with the supplied hardware. The oil pump will need to be installed at the same time as the pump chain and crankshaft gear.

The leg on the oil pump is supported by the supplied bracket, steel spacers, and hardware like this:



If you are installing this in a Miata, you'll want to remove the stock pickup side of the oil pump and install the KMiata Type S oil pump adapter.



Once bolted down, install the oil jet plug as shown:



If applicable, the KMiata oil pickup tube can now be installed.

Before sealing the pan, rotate the crankshaft by hand to make sure there is no interference between the windage tray and the rods.

Have any questions? Email us at [info@kpower.industries](mailto:info@kpower.industries) and we'll be happy to help. Thanks for your business!