



Oil Pans

Always consult a factory Service Manual for removal and assembly instructions. If you have problems or questions, call Moroso's Tech Department. DO NOT MAKE ANY MODIFICATIONS TO THE OIL PAN!

SAFETY

Watch for sharp edges when handling this product.

Always follow all safety precautions when working on or around vehicles. Use approved jack stands when working under your vehicle, or put car safely on a lift.

CLEANLINESS

Before final assembly, make sure all parts are cleaned and free of any debris. This means removing the Windage Tray, if equipped, cleaning inside the Oil Pan and the Tray, then re-installing the Tray and tightening the hardware securely, (Loctite is recommended).

WINDAGE TRAYS

Refer to a Moroso catalog for the proper Windage Tray to be used with your Oil Pan if one is not supplied. If one is supplied, always remove it, clean it thoroughly and tighten the hardware securely when re-installing it, (Loctite is recommended). Before final assembly, always test fit the Oil Pan and Windage Tray on the engine and check for proper clearances with the rotating assembly.

OIL PUMP PICKUPS

Be sure you are using the correct Pickup with your Moroso Oil Pan. Refer to a Moroso catalog for the proper part number. If you use a press-in type extended Oil Pump Pickup with this Pan, it is highly recommended that you have it brazed to the Oil Pump housing. This eliminates the possibility of the Pickup coming out of the Oil Pump due to vibration. The Pickup should be positioned 3/16" to 3/8" off the bottom of the Oil Pan. If a Main Cap Girdle is being used, you may need a custom made Pickup. Call Moroso's Tech Department if a Pickup clearance problem is encountered.

OIL PAN FIT

Due to the welding done on these Oil Pans, there is always a chance of slight warping. While our specially designed fixtures greatly reduce the warping factor, you may encounter a slight "rocking" effect when laying the Oil Pan down. Once the Pan is drawn down securely by the bolts and the engine is run, you will find the Pan will take a "set" in the straightened position. We have found that an initial "rocking" of up to 1/4" on a new Pan is acceptable. Using silicone on the corners and the rail gaskets will prevent any possibility of leaks. Also, if this Oil Pan contains hinged trap door style baffles, it is advisable to install the Pan with the engine upright to insure no trap doors will be stuck open. Most important is to test fit the Oil Pan on the engine to check clearance of Windage Tray and Crank Scraper with rotating assembly.

GASKETS

Moroso Performance Small Block Chevy Oil Pans made for pre-1980 engines utilize a thick front seal, keep this in mind when selecting a new gasket. A thick gasket is recommended. Use an OEM or equivalent quality gasket. Many off-brand gaskets are especially poor in the rubber end seal area and our experience is that many leaks are directly traceable to poor gasket quality. After you have installed the gaskets, we highly recommend using a dab of RTV silicone sealer at each corner where the rubber seal meets the rail gaskets. If you use silicone sealer on the rail gaskets, remember only a thin film is necessary and more than that may lead to problems. To avoid another potential leak, be careful not to over-tighten the drain plug.

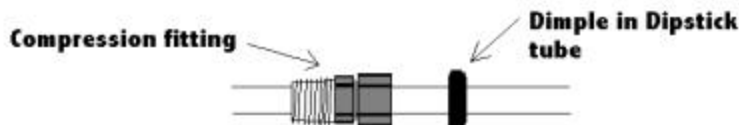
OIL PUMPS

When using a high-volume Oil Pump, the rear baffle of the Oil Pan may have to be notched out for clearance. This is due to the production tolerances between the Block, Oil Pump and the Oil Pan assemblies.

DIPSTICKS

If your Moroso Oil Pan came equipped with a 1/4" NPT Pipe Coupling welded to the side of the oil pan's sump, you are required to use our Universal Dipstick Part Number 25970. This Dipstick is installed utilizing a compression fitting which will allow you to set the dipstick to the correct height for a particular oil level. The dipstick tube may need to be bent or modified in order to bolt up correctly and gain header or exhaust manifold clearance.

To install, start by adding the recommended oil capacity to your pan minus the recommended amount for the oil filter. Once this has been done install the dipstick with the compression fitting installed before the dimple on the stick (See picture below). Do not tighten the compression fitting at this time. Leave it loose so the dipstick will move up and down freely within the compression fitting and pipe coupling. Adjust the dipstick tube up or down until the dipstick reads at the full mark and then tighten the compression fitting to lock it in place. Then add the appropriate amount of oil for the filter.



If your oil pan did not come equipped with a pipe coupling welded to the sump, you will be able to reuse your stock oil pan's dipstick. If you are having a hard time finding an aftermarket Dipstick to fit our pan call our Technical Service Department. They can recommend a Dipstick that will work.

**For Technical Assistance, Call Moroso's Tech Line at
(203) 458-0542, 8:30am – 5:00pm Eastern Time**

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