



Installation Instructions

LT Engine Swap Engine Oil Pan #364050

Thank you for your purchase! Follow these instructions for a hassle-free installation. If you are unsure about installing your new oil pan, please consult a qualified technician at your preferred repair shop. Please fully read and understand these instructions before proceeding to avoid damage to your engine, or personal injury. Failure to follow these instructions or misuse/incorrect application of the part will void any warranty offered. Stripped/damaged threads are not covered under warranty.

364050 - Up to 4.00" stroke. Some verified applications include 1967-1992 Camaro/Firebird, 1968-1974 Nova, 1978-1987 GM G-Body, 1964-1972 Chevelle & 1973-1987 GM Trucks. 6.1 quarts w/filter.

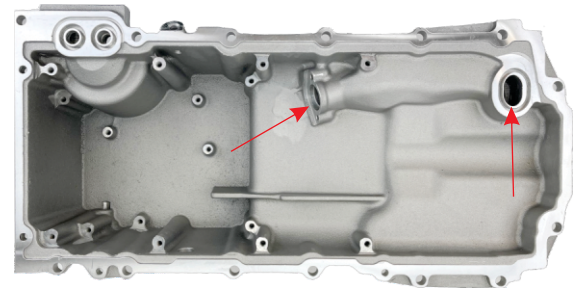
Notes:

- A LT dipstick/tube (or equivalent) will be required. (Dipstick GM #12658475) (Tube GM #12661062)
- Standard replacement LT oil filters can be used. (AC Delco PF64 or equivalent)

Pre-Installation Notes:

If you are installing this oil pan, we assume you are familiar with the standard procedures associated with removal and installation so we will not tell you how to do your job! Always take necessary safety precautions, jack stands, eye protection etc.

Ensure there are no casting obstructions in the oil pickup passage. (see picture) Run a brush through to check.



Installation:

Using the (4) M6x12 flange bolts, apply blue threadlocker and attach the oil baffle to the pan. Torque to 10 ft/lbs.

Install the oil pickup using the gasket and M6x16 flange bolts with blue threadlocker, and torque to 10 ft/lbs. Adjust bracket as required for alignment. Ensure there is appropriate clearance between the pickup screen and bottom of the pan.

Install the windage tray with blue threadlocker applied to the (8) M6 flange bolts. The longer bolt (16mm) is used at the pickup bracket location. Torque to 10 ft/lbs.

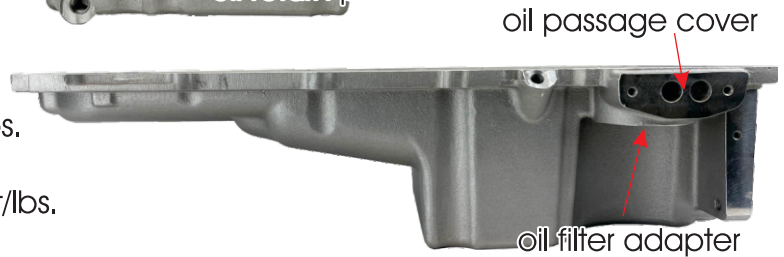


If you will not be using the 1/2"NPT turbocharger oil return port, install the pipe plug using a thread sealer or PTFE thread sealing tape.

Install the drain plug and tighten to 18 ft/lbs.

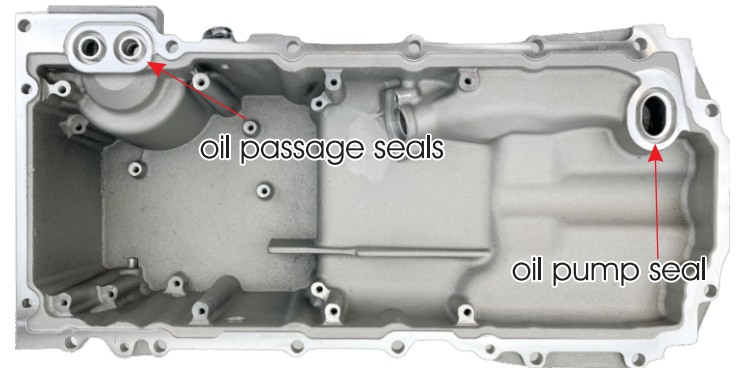


Attach the oil passage cover using the (2) M6x30 socket head bolts and tight to 100 in/lbs.



Attach the oil filter adapter and tighten to 40 ft/lbs.

Install the (2) oil passage seals and oil pump seal. (oil pump seal installs "flange" up)



Oil pan is installed using a thin bead (1/8") of RTV sealant. Apply additional sealant at the seams (all 4 corners).

Install the oil pan using the locating dowel pins. Tighten the M8 bolts to 18 ft lbs and the M6 bolts to 100 in/lbs.

Other torque specs:

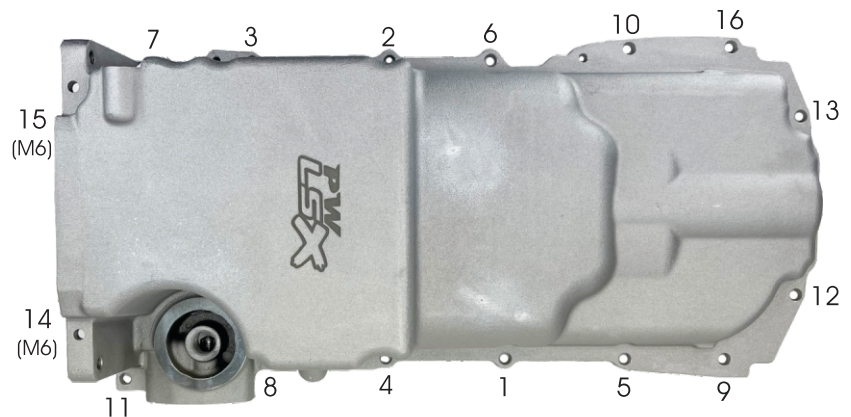
Bellhousing to pan (37 ft/lbs)

Transmission cover* (100 in/lbs)

Oil level tube bracket** (88 in/lbs)

*Truck applications may require a small shim between the covers and the pan.

**Check seal condition and position.



Install the oil filter and fill with your desired grade of oil taking care to not overfill.

Start engine and check for leaks. Recheck oil level and top up if required.