

Installation Instructions for 60173

Cast Aluminum Deep Oil Pan

for TH-700R4, 4L60, 4L60E & 4L65E

It is important to closely follow the instructions. We recommend that you read through the instructions completely before beginning the installation procedure. Check the tool list at the end of these instructions for the tools required to install your deep oil pan.

INTRODUCTION

This Deep Oil Pan can be installed in about an hour by carefully following the instructions. Transmission components are precision fit and dirt is the number one enemy of an automatic transmission. Cleanliness is very important, so a clean work surface from which oil can easily be removed is necessary.

CAUTION: Automatic transmissions operate at temperatures between 150°F and 250°F. It is suggested that the vehicle be allowed to cool off for a few hours to avoid burns from hot oil and parts. The vehicle should be off the ground for ease of installation —jack stands, wheel ramps or a hoist will work fine.

MAKE SURE VEHICLE IS FIRMLY SUPPORTED - DO NOT WORK UNDER A VEHICLE IF IT IS SUPPORTED BY ONLY A JACK!

Try to raise the vehicle 1-2 feet so you will have plenty of room to work. Also have a small box to put bolts in and a drain pan to catch oil.

INSTALLATION

1. Drain the oil pan. Loosen and remove the oil pan bolts one at a time, working towards the front of the transmission. Remove the last two bolts slowly and the pan will tilt down to allow the last of the fluid to drain. If the pan sticks to the old gasket, pry it down slightly with a screwdriver to break the seal before removing the last two bolts. After the last bolt is removed, the pan can be lowered and set aside.
2. The oil filter will now be exposed. Pull the filter out of the oil pump, being careful not to bend the filter pickup tube as it is plastic and may crack or break. The seal should remain in the pump = if it comes out with the filter, remove it from the filter and carefully reinsert it back into the pump. Clean the old gasket off of the case.
3. The filter must be held in place with the supplied oil filter retainer. This retainer is held in place by one of the valve body bolts (See Figure 1 and 2). Refer to the transmission you have and remove the bolt shown and install the supplied oil filter retainer (point the oil filter retainer towards the front of the vehicle as shown). Tighten the bolt to 8 lbs.-ft.-do not over tighten!
4. For the 4L60E & 4L65E transmission, install the supplied seal in the extension tube provided in the kit (See figure 3). Lubricate the seal with transmission fluid and place the extension tube onto the filter. Install the assembly back into the oil pump bore being careful not to damage the seal in the pump.
5. For the TH-700 R4 and 4L60 transmissions, install the supplied O-rings on the extension tube provided in the kit (See figure 4). Lubricate the seal on the filter. Place the extension tube on the oil filter. Install the assembly into the oil pump bore.
6. Install the new gasket and deep pan. Use the supplied pan bolts and washers (torque to 12 lbs.-ft.). Do not overtighten as this can cause leaks. Make sure the drain plug is tight.
7. ***For Corvettes only:** Remove 1/2" NPT fill plug from side of pan with a 3/8" Allen wrench, add ATF until full, and tighten. All others, lower vehicle and add six quarts of Dexron III.
8. Start the engine and place shifter in the neutral position. Add fluid until the oil level is at the "add" mark. Shift the transmission through all gear positions. Check the oil pan and gaskets for leaks. Once the transmission has warmed up, add fluid to bring the level up to "full". Do not overfill as this causes foaming and overheating.



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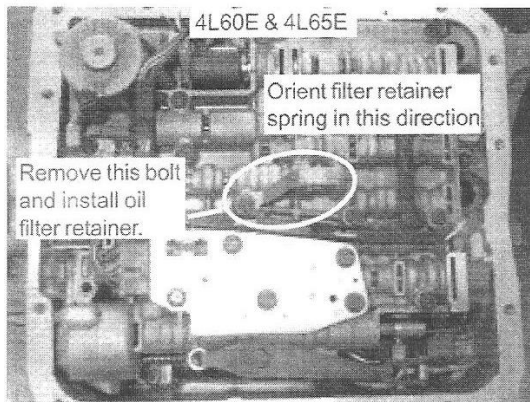


Figure 1

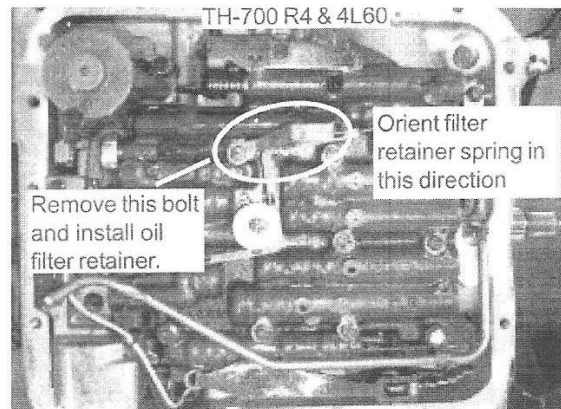


Figure 2

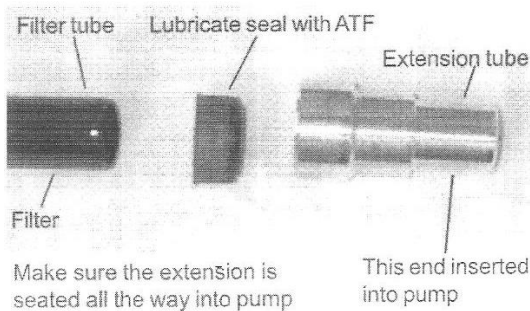


Figure 3

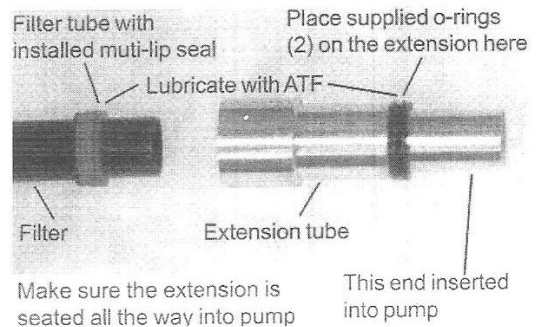


Figure 4

Parts List

- 1 Aluminum Cast Oil Pan
- 1 Magnetic Drain Plug
- 1 Drain Plug Gasket
- 1 Filter Seal
- 1 O-Rings
- 1 Filter Extension Tube 1 Oil Filter Retainer
- 16 M8-1.25 x 30mm Bolts
- 16 Flat Washers

Tool List

- Drain Pan
- Gasket Scraper
- 3/8" Ratchet & 3" Extension
- 13mm Socket
- 6mm Allen wrench
- 3/8" Allen Wrench
- 3/4" Box Wrench
- Flat Blade Screwdriver
- 6 Quarts ATF
- Jack & Jack Stands



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