

Installation Instructions

C-4 Deep Pan

Part Number 50281

(see www.bmracing.com for the latest vehicle fitment applications and model years)

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This **B&M C-4 Deep Pan** has been designed to work on most Ford C-4 transmissions. It has been engineered to increase capacity as well as add rigidity to the case. Please check the parts and tool list at the end of these instructions before you begin the install of your **B&M C-4 Deep Pan**. Installation can be accomplished by anyone with minimal mechanical experience.

INTRODUCTION

The **B&M C-4 Deep Pan** can be installed in an hour or two by carefully following the instructions. Read all instructions first to familiarize yourself with the parts and procedures. This kit contains all the parts necessary to install the deep pan. **NOTE: Automatic transmissions reach temperatures up to 250°F. Let the transmission cool thoroughly to avoid hot oil burns. The vehicle should be off the ground for ease of installation. Jack stands, wheel ramps or a hoist will work fine. MAKE SURE THE VEHICLE IS SECURELY SUPPORTED!**

DISASSEMBLY

STEP 1. Loosen and remove oil pan bolts one at a time, working from the rear towards the front of the transmission. Loosen the last two bolts slowly and allow the pan to tilt down to drain

the fluid. 1970 and later vehicles may be equipped with a dipstick tube mounted to the pan. If so, loosen it and allow the fluid to drain. If the pan sticks to the old gasket, pry it down to break the seal before removing the last two bolts.

STEP 2. Remove (8) or (9) filter screws. Remove and discard the filter and old gasket. If you have a 1970 or later transmission, a small spring and check valve will drop out when you remove the filter. **DO NOT LOSE THEM** (Please see Figure One).

ASSEMBLY

STEP 3. Use grease to hold check valve and spring in place and install the filter extension. On '67-'69 valve bodies install washer and cover plate in position as shown in Figure Two. Tighten screws to 2 ft./lbs. Install the new filter onto filter extension using the screws and nuts supplied.

STEP 4. Scrape old gasket off pan surface of case to avoid oil leaks. Install pan and new gasket using bolts and flat washers supplied. Tighten bolts to 13 ft./lbs. maximum. Overtightening bolts will damage gasket and result in leaks. **NOTE:** Some shifter brackets may have to be modified for clearance.

STEP 5. On 1970 and later vehicles you will notice a tapped hole on the right front side of the pan. If your dipstick tube enters at the pan, install special

fitting and tighten securely. If your dipstick enters the case, install supplied pipe plug into B&M cast pan.

STEP 6. Install drain plug and plug gasket. Lower vehicle. Add four (4) quarts of B&M Trick Shift or Type F ATF. Start engine and shift transmission through all gear positions. Place selector in Neutral and check fluid level. **DO NOT OVERFILL AS THIS WILL CAUSE FOAMING AND OVERHEATING.** Check for leaks.

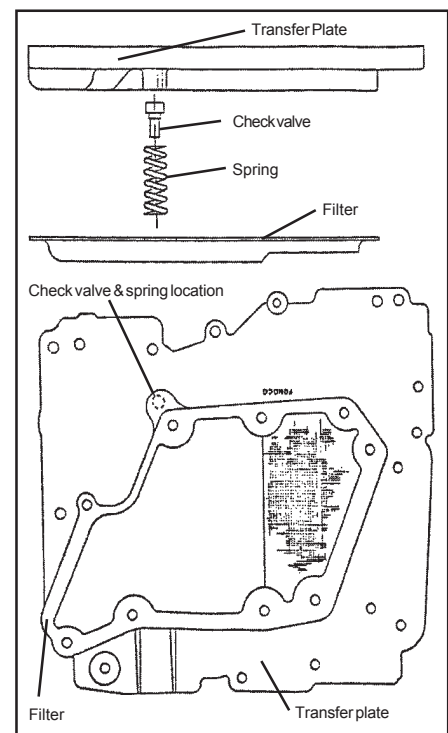


Figure One

On '67-'69 valve bodies install washer and cover plate in positions as shown

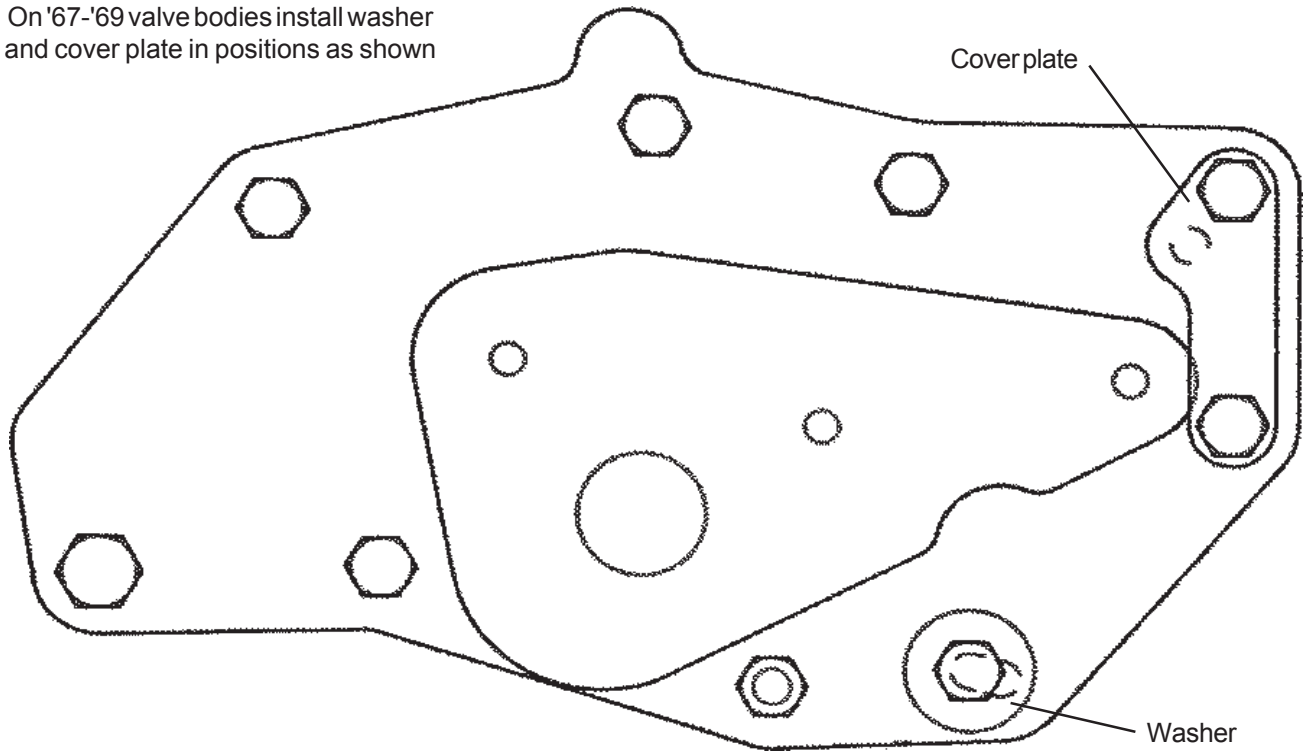


Figure Two

Parts List

B&M Deep Pan
Drain Plug Gasket
Pipe Plug
Drain Plug
Filter Extension
Machine Screws (3)
Nuts (3)
5/16-18 x 1 1/4 Bolts (2)
5/16 Flat Washers (11)
5/16-18 x 7/8 Bolts (9)
Male Connector
Cover Plate
3/4" O. D. Flat Washer

Tool List

5/16" & 1/2" Socket & Ratchet
1/2" & 3/4" Wrench
Scraper
Screwdriver
Torque Wrench
Jack
Jack Stands