



Installation Instructions
40295
E40D/4R100 CAST ALUMINUM
DEEP OIL PAN

OVERVIEW:

Thank you for purchasing the B&M E40D/4R100 Cast Aluminum Deep Oil Pan. This product provides several advantages over stock factory oil pans. The extra capacity provides more oil volume to add cooling, while the aluminum construction increases case rigidity. The magnetic drain plug feature allows regular transmission maintenance and oil changes (without the usual mess associated with dropping the pan) and limits ferrous debris from circulating in the transmission.

INTRODUCTION:

1. Please inventory all parts using BOM and call our tech line to report any missing parts. This will help avoid potentially stranding your vehicle until any missing replacement parts arrive.

ITM #	PART #	DESCRIPTION	QTY.
1	2000251	Deep Pan	1
2	2000213	Oil Pan Gasket	1
N/A	40295BA	Hardware Package includes:	1
3	3401108	Socket Head Screw	20
4	3400234	5/16" Flat Washer	20

ITM #	PART #	DESCRIPTION	QTY.
5	3401109	1/2-20 Drain Plug Bolt	1
6	3400407	Pipe Plug	1
7	3401110	Drain Plug Gasket	1
8	5000116	Cable Tie	1
9	3401702	Clip, Transmission Filter	1

When installing your Deep Oil Pan, you may also want to consider the following:

TRANSMISSION OIL COOLER:

We recommend every vehicle should have a transmission oil cooler in addition to the radiator heat exchanger. Heat is the major cause of transmission failures, and an oil cooler is an inexpensive safeguard against overheating. B&M offers a wide range of transmission coolers for this purpose, which you can find by visiting our website.

2. Read through these instructions completely, then gather tools indicated in list before installing your B&M E40D/4R100 Cast Aluminum Deep Oil Pan.

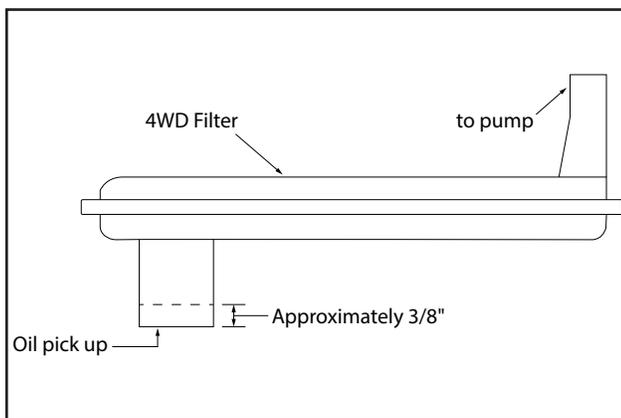
TOOL LIST		
Drain Pan	10mm Socket	Screwdriver
3/8" Ratchet	6mm Allen Wrench	12 Quarts ATF
3/8" Ratchet Extension	3/4" Box Wrench	Jack & Jack Stands

WARNINGS:

- Automatic transmissions operate between 150°F-250°F. Allow vehicle time to cool off 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 vehicle if it is supported by only a jack.
- Transmission components are precision fit and dirt is the number one enemy of an automatic transmission. Use a clean work surface from which oil can easily be removed as necessary.

INSTALLATION:

3. Drain transmission pan. Loosen and remove bolts one by one, working towards back of transmission. Remove last two bolts slowly and pan will tilt down to allow remaining fluid to drain. If the pan sticks to the old gasket, pry it down slightly with a screwdriver to break seal before removing last two bolts. After the last bolt is removed, the pan can be lowered and set aside.
4. Remove factory gasket and filter from case.



5. We recommend changing the filter at this time, the pan was designed to be used with 4WD filter (FORD YC3Z-7A098-BA or equivalent). Modify it by trimming $\frac{3}{8}$ " from oil pick up portion.



6. Install filter and clip (9) onto bolt to secure filter to transmission.



7. Inspect gasket and if you prefer, clean and re-use it. Otherwise, replace it with **oil pan gasket (2)**.
 8. Install **deep pan (1)** using (x20 ea.) **screws (3)** and **flat washers (4)**. Then install **drain plug gasket (7)**, **drain plug bolt (5)** then **pipe plug (6)**. Make sure each of these is tight.
 9. Lower vehicle and add transmission fluid as per dealer specifications.
- NOTE:** Overfilling will cause foaming and overheating.
10. Start engine and place shifter into neutral. Add fluid up to "add" mark. Shift transmission through all gear positions then check oil pan and gaskets for leaks. Once transmission has warmed up, add more fluid up to "full".



Congratulations, the installation of your **B&M Deep Oil Pan** is now complete!

