



Instructions

Cast Aluminum Cover for **DANA 60/70**

Part Number 10314/11314

This **B&M Cast Aluminum Cover** has been designed to work on most vehicles equipped with a Dana 60 or 70 axle. The **B&M Cast Aluminum Cover** provides several advantages over stock factory covers. The extra capacity provides increased oil volume and added cooling, while the thick aluminum construction increases case rigidity. The reinforced center bar, along with the load bolts, prevents bearing cap deflection under severe loads. The magnetic drain plug feature allows regular gear oil changes without the usual mess, and limits ferrous debris from circulating in the axle.

INTRODUCTION

This cover can be installed in about an hour by carefully following the instructions. 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

STEP 1. Clean axle housing cover area from dirt and other debris.

NOTE: On some vehicles it

might be necessary to remove some parts (e.g. sway bar, panhard rod) to make the installation of the cover easier.

STEP 2. Place a drain pan underneath the axle housing.

STEP 3 (OPTIONAL). Loosen the fill plug with a 3/8" square ratchet and extension. This is done as a precaution; if stock cover needs to



be re-installed for any reason, there will be no question whether the plug is seized or cannot be removed.

STEP 4. Remove the 10 bolts around the cover.

STEP 5. Carefully pry the cover loose with a flat head screw driver, being careful not to damage the surface, and allow the oil to drain.

STEP 6. Using a dry lint free rag, clean the accessible areas of the axle housing and check internal

components for visible excessive wear or other problems.

STEP 7. Clean all gasket material from the axle housing surface.

STEP 8. We recommend running a 3/8"-16 tap through each threaded cover hole on the axle housing to ensure an accurate torque on all bolts.

STEP 9. Install the supplied load bolts in each boss from the inside of the **B&M Cast Aluminum**



Cover until they bottom out.

STEP 10. Apply a bead of RTV silicone gasket maker to the **B&M Cast Aluminum Cover**. Run the bead inside the bolt holes.

STEP 11. Install the **B&M Cast Aluminum Cover** on the axle housing using a supplied bolt and washer at a bottom hole on the cover so it can be used as a guide.

STEP 12. Install the rest of the supplied bolts and washers and torque to 25 ft/lb in a crisscross pattern.

STEP 13. Screw in the two load bolts by hand until they touch the bearing caps. Torque the load bolts to 5 ft/lb max.

NOTE: Do not over torque the load bolts as you run the risk of distorting the bearing caps, creating abnormal wear and premature failure.

STEP 14. Apply a very small amount of RTV on the threads of the load bolts, and then install the two supplied jam nuts onto the load bolts. Torque the jam nuts to 5 ft/lb.

STEP 15. Install the supplied magnetic 1/4" NPTF drain plug on the **B&M Cast Aluminum Cover** and tighten.

STEP 16. Fill with factory recommended gear oil using the **B&M Cast Aluminum Cover** fill plug hole. Add 1/2 quart MORE than factory specified.

STEP 17. Install the supplied 1/2" NPT fill plug on the **B&M Cast Aluminum Cover** and tighten.

STEP 18. Install and tighten any other parts (e.g., sway bar, panhard rod) if removed.

Owner's Manual/Maintenance Booklet recommends replacing axle lubricant anytime axle is submerged in water. (Refer to Owner's Manual/Maintenance Booklet for details).

Parts List

- (1) Cast Aluminum Cover
- (2) Load Bolts
- (2) Jam Nuts
- (1) 1/4" NPTF Drain Plug
- (1) 1/2" NPT Filler Plug
- (10) 3/8"-16 Bolts
- (10) 3/8" Washers

Tools List

- Jack & Jack Stands
- Drain Pan
- Rags
- RTV Silicone Gasket Maker
- Gear Oil
- Gear Oil Pump
- Torque Wrenches
- 3/8" Ratchet & 3" Extension
- 1/4" Allen
- 3/8" Allen
- 5/16" Allen
- 9/16" Socket
- 3/4" Socket
- Flat Blade Screwdriver

