

## Instructions

# NAG-1 Locking Dipstick

**2008-2012 Dodge Challenger**

**2006-2012 Dodge Charger**

**2005-2008 Dodge Magnum**

**& 2005-2012 Chrysler 300**

*(vehicles with 5-speed NAG-1 automatic transmission and proper oil filler tube only)*

*(see [www.bmracing.com](http://www.bmracing.com) for the latest vehicle fitment applications and model years)*

**Part Number 22300, 22301 & 22302**

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This **B&M NAG-1 Locking Dipstick** has been designed to work on some Chrysler/Dodge vehicles equipped with a NAG-1 (W5A380 & W5A580) transmission and MOPAR p/n: 4591958AD (3.5L & 3.6L V6), p/n: 4591880AA (5.7L V8) & p/n: 5037793AC (6.1L & 6.4L V8) transmission oil filler tubes. Please verify your vehicle transmission oil filler tube part number with a Chrysler/Dodge dealer if in question. The **B&M NAG-1 Locking Dipstick** sits in place of your stock cap plug and allows you to check for fluid level without a scan tool.

### INTRODUCTION

Automatic transmission fluid expands as its temperature rises and fluid level differs greatly to fluid temperature. Therefore, there are two different scales for checking the level of hot fluid and cold fluid on the dipstick. Though the fluid level can be checked without warming up the fluid on the 25°C+ range, we highly recommend checking the fluid level when the fluid is at operating tem-

perature. To obtain an accurate fluid check, drive the vehicle until it is warmed up (approximately 20 miles). If your vehicle has been operated for an extended period at high speeds, in city traffic during hot weather or pulling a trailer, the vehicle should be turned off for about 30 minutes to allow fluid to cool before checking.

***WARNING:** There is a risk of accident from vehicle starting off by itself when engine running. There is a risk of injury from contusions and burns if you insert your hands into the engine when it is started or when it is running. Secure vehicle to prevent it from moving off by itself. Wear properly fastened and close-fitting work clothes. Do not touch hot or rotating parts.*

**NOTE:** Before inserting the **B&M NAG-1 Locking Dipstick** in, be sure to fully clean off any rust preventative oil residue with a clean, dry lint free rag. When checking the fluid from a factory filled transmission, it is common

to have a higher fluid reading as the factory tends for overfilled it just slightly.

### INSTALLATION

**STEP 1.** With the vehicle turned OFF, locate the transmission oil filler tube with cap labeled **DEALER ONLY+**.

**STEP 2.** Twist the transmission oil filler tube cap 90° counterclockwise and then pull to remove.

**STEP 3.** Fully clean the **B&M NAG-1 Locking Dipstick** by wiping it down with a dry lint free rag, prior to inserting the dip stick into the transmission oil filler tube.

**STEP 4.** Insert the **B&M NAG-1 Locking Dipstick** fully into the transmission oil filler tube until it fully seats and twist 90° clockwise to lock into place.

**STEP 6.** The **B&M NAG-1 Locking Dipstick** can be left permanently in the transmission oil filler tube and the vehicle operated normally with this dipstick in place.

### CHECKING THE FLUID LEVEL WHEN THE FLUID IS HOT (RECOMMENDED)

**STEP 1.** Drive the vehicle 20 miles or until it reaches normal operating temperature.

**STEP 2.** Park the vehicle on a level surface and engage the parking brake.

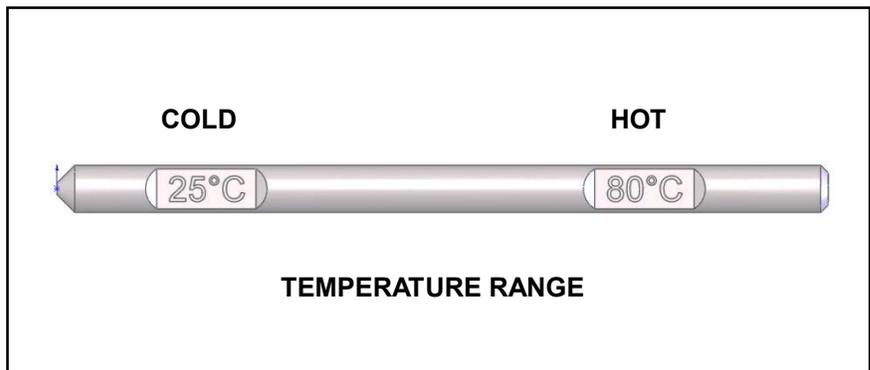
**STEP 3.** With the parking brake engaged and your foot on the brake pedal, start the engine and move the gearshift lever through all of the gear ranges. Allow sufficient time for each gear to engage.

**STEP 4.** Latch the gearshift lever in P (Park) and leave the engine running.

**STEP 5.** Remove the dipstick, wiping it clean with a clean, dry lint free rag.

**STEP 6.** Install the dipstick making sure it is fully seated in the filler tube.

**STEP 7.** Carefully remove the dipstick and inspect the fluid level. The fluid should be in the 80°C (176°F) area for normal operating temperature (**See Figure 1**).



**FIGURE 1**

### CHECKING THE FLUID LEVEL WHEN THE FLUID IS COLD

**STEP 1.** When the vehicle has not been driven, and outside temperature is above 50°F, remove the dipstick, wiping it clean with a clean, dry lint free rag.

**STEP 2.** Install the dipstick making sure it is fully seated in the filler tube.

**STEP 3.** Carefully remove the dipstick and inspect the fluid level. The fluid level should be between

the 25°C (77°F) area on the dipstick (**See Figure 1**).

#### Parts List

(1) Locking Dipstick W/O-ring