



# Technical Bulletin



**Manufacturer:** Chrysler (TSB 03-001-04 Rev A)

**Service Plus Group:** 01-08-1106

**Subject:** Axle Fluid Level

**Model:** 2004 (AN) Dakota  
 2004-2007 (DR/DH/D1/DC) Ram Truck  
 2004-2007 (HB/HG) Durango/Aspen  
 2005-2007 (ND) Dakota

## Discussion

The axle fill holes on some Dodge Truck vehicle axles may be located considerably higher than the actual fluid level. Filling the axle until the fluid comes out of the fill hole will over fill the axle, which may cause fluid foaming. When checking fluid level or filling a rear axle with fluid, you must measure the distance from the bottom of the fill hole to the top of the actual fluid level. This can easily be accomplished using a pipe cleaner or piece of wire. Make a 90° degree bend in the wire 2 inches from the end. The wire can then be inserted into the axle fill hole to use a dipstick. Measure the distance from the bend to the oil level. The fluid levels for the axles are shown in the table below.

## Correct Fluid Levels for Durango/Aspen

AXLE	FLUID LEVEL (measured from the bottom of the fill hole)	FLUID CAPACITY
8.25 Rear Axle	22 mm (7/8 in.) +/- 6 mm (1/4 in.)	2.0 L (70 oz.) SAE 75W-140 Synthetic
9.25 Rear Axle	31 mm (1 5/8 in.) +/- 6 mm (1/4 in.)	2.1L (72 oz.) SAE 75W-140 Synthetic
C205F-Front Axle	20 mm (3/4 in.) +/- 6 mm (1/4 in.)	1.6L (56 oz.) SAE 75W-90 Non Synthetic

### NOTE

The Trac-Lok feature is not available on Durango rear axles. Traction control is provided electronically through the ABS system. Trac-Lok additives or friction modifiers are not required.

## Correct Fluid Levels for RAM Truck 1500

AXLE	FLUID LEVEL (measured from the bottom of the fill hole)	FLUID CAPACITY
9.25 Rear Axle	6 mm (1/4 in.) +/- 6 mm (1/4 in.)	2.1 L (72 oz.) SAE 75W-140 Synthetic
C205F-Front Axle	6 mm (1/4 in.) +/- 6 mm (1/4 in.)	1.6L (56 oz.) SAE 75W-90 Non Synthetic

### NOTE

The Trac-Lok feature is available on RAM Truck 1500 series rear axles. Trac-Lok additives are required on axles equipped with Trac Lok.

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### Correct Fluid Levels for RAM Truck 2500-3500

AXLE	FLUID LEVEL (measured from the bottom of the fill hole)	FLUID CAPACITY
10.5 Rear Axle	25 mm (1 in.) +/- 6 mm (1/4 in.)	2.5 L (85 oz.) SAE 75W-90 Synthetic
11.5 Rear Axle	6 mm (1/4 in.) +/- 6 mm (1/4 in.)	4.1L (138 oz.) SAE 75W-90 Synthetic
9 1/4 Front Axle	6 mm (1/4 in.) +/- 6 mm (1/4 in.)	2.2L (76 oz.) SAE 75W-90 Synthetic

#### NOTE

The limited slip feature on 2500/3500 series RAM Trucks utilizes the Trac-Rite locking feature which does not require Trac-Lok additives or friction modifiers.

### Correct Fluid Levels for Dakota

AXLE	FLUID LEVEL (measured from the bottom of the fill hole)	FLUID CAPACITY
8.25 Rear Axle	6 mm (1/4 in.) +/- 6 mm (1/4 in.)	2.1 L (72 oz.) SAE 75W-140 Synthetic
9.25 Rear Axle	6 mm (1/4 in.) +/- 6 mm (1/4 in.)	2.1L (72 oz.) SAE 75W-140 Synthetic
C205F-Front Axle	6 mm (1/4 in.) +/- 6 mm (1/4 in.)	1.6L (56 oz.) SAE 75W-90 Non Synthetic

#### NOTE

The Trac-Lok feature is available on Dakota rear axles. Trac-Lok additives are required on axles equipped with Trac Lok.