

## Brake Service Bulletin

Brake Torque Specifications have been continually changing in the brake system it is recommended to verify all bolts be torqued to proper specification with a torque wrench to reduce warranty and potential issues. Torque to Yield bolts and Loctite are being used on certain applications. Below are a few examples of vehicles with unique or higher torque specification

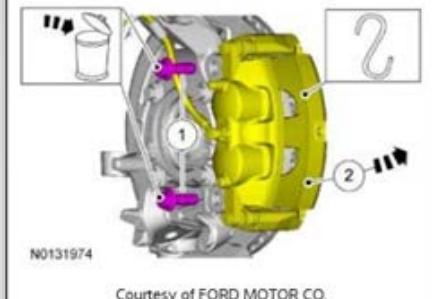
### TORQUE SPECIFICATIONS

Description	Nm	lb-ft
Bleeder screw	15	11
Brake caliper flow bolt	35	26
Brake caliper anchor plate bolts	200	148
Brake caliper bolt	74	55
Brake flexible hose bracket bolt	17	13
Brake line fitting	17	13
Brake disc shield bolts	12	9
Spindle nut	400	295

Mitchell ProDemand for 2005 Ford F150 4.2L RWD spindle nut 295 lb-ft

• To install, tighten the 2 new bolts to 250 Nm (184 lb-ft).

Fig 1: Identifying Brake Caliper Guide Pin Bolts And Brake Caliper

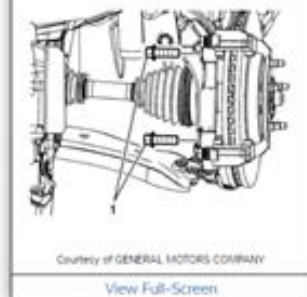


2012 F150 Front Caliper Bolts Torque to 184 lb-ft.

#### Caliper Brake

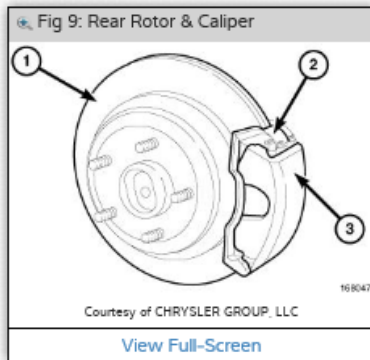
3 Install 2 new brake caliper bracket bolts (1) and tighten to 150 N.m (111 lb ft) + 45 degrees + 15 degrees.

Fig 7: Brake Caliper Bracket Bolts



2012 Buick Regal Torque to Yield Bolt for caliper bracket require torque angle gauge and are one time use

## REAR - HEAVY DUTY



2012 Dodge Ram 2500 rear caliper bracket bolts to vehicle torque to 242 ft-lbs

1 - ROTOR

2 - CALIPER ADAPTER

3 - CALIPER

1. Install the rotor (1) to the axle shaft.
2. Install the caliper adapter (2). Refer to [ADAPTER, DISC BRAKE CALIPER, INSTALLATION](#).
3. Install the caliper adapter bolts and tighten to 328 N.m (242 ft.lbs).

2008 Ford Focus Rear Drum Hub Nut 173 lb-ft

## INSTALLATION

**CAUTION:** When tightening the new wheel hub nut, rotate the **brake drum** counterclockwise until the correct torque is achieved or damage to the wheel bearing may occur.

**CAUTION:** Avoid impact on the wheel speed sensor ring and any contact between the sensor ring and a magnetic surface or damage to the sensor ring may occur. Make sure the wheel speed sensor ring is clean or sensor failure may occur.

**CAUTION:** A new wheel hub nut must be installed or incorrect clamp load may occur resulting in wheel bearing failure.

1. Position the **brake drum** and wheel hub assembly and install a new wheel hub nut.
  - While rotating the **brake drum** in the opposite direction, tighten the wheel hub nut to 235 Nm (173 lb-ft).

**CAUTION:** A new dust cap must be installed or bearing failure may occur.

2. Install a new dust cap.
3. Install the wheel and tire. For additional information, refer to [WHEELS AND TIRES](#) article.