



BRAKES

ENGINEERED SOLUTIONS

Bulletin BES 03-04

Subject: Brake Pulls Ford and Dodge Trucks

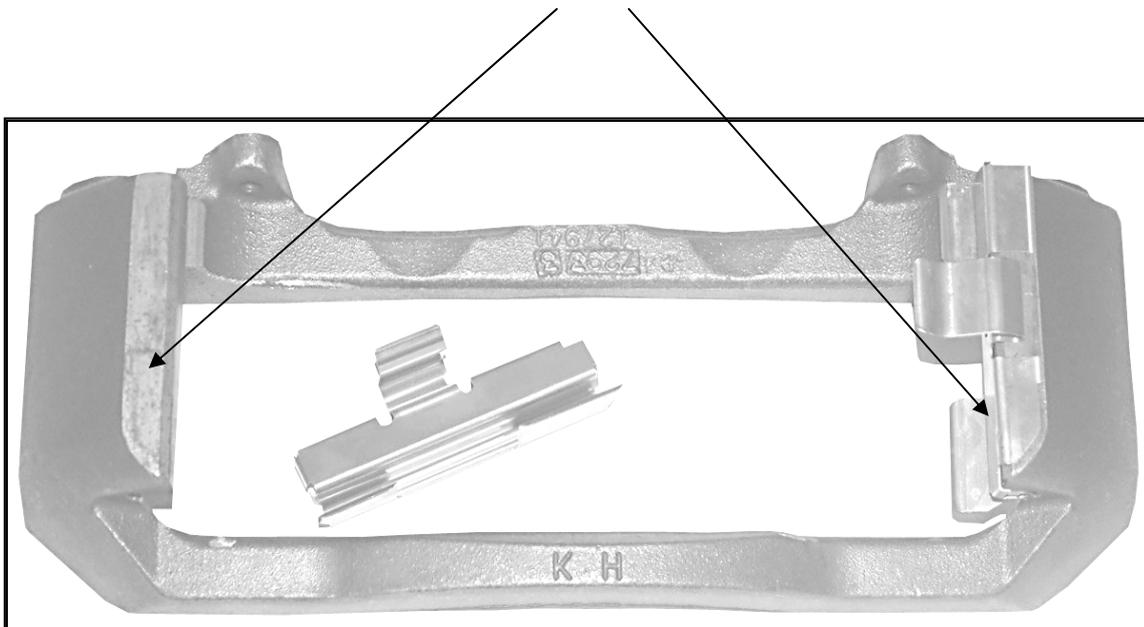
Vehicle Involved: 1995-2002 Ford E250, E350
1995-1997 Ford F200/250
1995-1998 Ford F300/350
1998-2002 Dodge B200/250/300/350

Condition: Vehicle may pull left or right

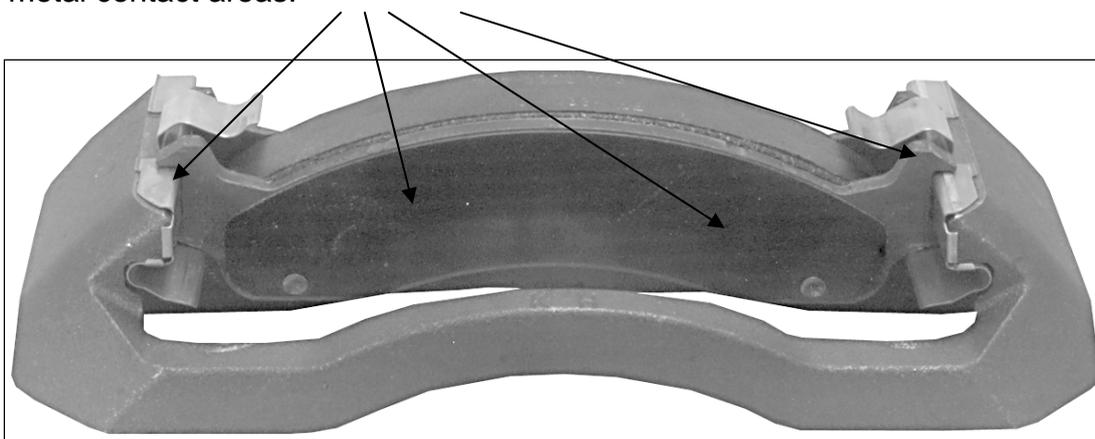
Repair Procedure: Some owners may comment about an annoying pull to either side while applying the brakes. Preliminary inspection of the vehicle includes checking tires for correct pressures and wear patterns, chassis and base brake integrity. Test-drive the vehicle to verify the condition. If a pulling condition exists, check the brake pad to caliper bracket clearance. It is necessary for the inner and outer brake pads to slide unrestricted along the horizontal caliper bracket clips. (See illustration below.) If the pads are restricted in their travel, remove the old caliper bracket clips and replace with new. Clean the caliper bracket of metal fragments, burrs and rust. Apply a good Silicone based Lubricant to the caliper bracket, hardware and pad ears. Our AE7535M disc brake platform steel is being produced with fine blanked steel. This steel plate will hold the dimension of the plate ears to critical tolerances. It should be noted that many caliper bracket clearances are not consistent in dimension due to wear, rust build up and hardware corrosion. "Fitting" the pad to caliper bracket is essential in this application.

This "fitting" process is common to many braking systems. Fixed calipers require unrestricted movement of the brake pads. Floating and Sliding calipers require free movement of disc brake pads and unrestricted movement of the caliper-to-caliper bracket, or in many cases caliper to knuckle.

These areas must be cleaned and free of rust, and debris. Replace the caliper bracket clips and lubricate all metal to metal contact areas.



A light coating of lubrication should be applied to the brake pad shim, and metal to metal contact areas.



Do not lubricate or contaminate the friction material surface.