

# Bendix Brake

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## Bendix Loaded Calipers . . . A "Critical" Part of Our Business

It is an accepted fact throughout the industry that Bendix loaded calipers from AlliedSignal are the most complete loaded caliper available. Using Bendix brand removes all doubt: the technician will have everything needed in one box, every time, to perform a true "bolt off - bolt on" brake job.

A key factor in being able to supply these complete loaded calipers is the handling of "critical" components. It is the inclusion of these components that allows us to completely assemble our calipers and what, along with Bendix friction, sets us apart from the competition.

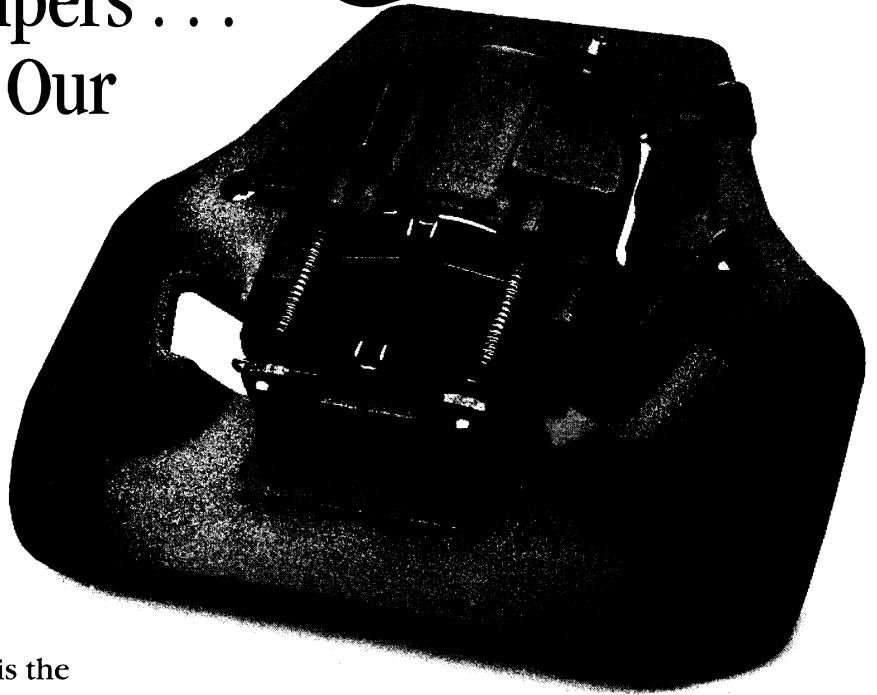
There are six categories of components that are deemed critical: mounting brackets, yokes, support keys, cable brackets, levers and lever springs. The following is a brief explanation concerning the function of these critical components:

### **Mounting Brackets**

As their name indicates, mounting brackets are used to mount the caliper to the vehicle. Brackets wrap around the pads and often hold ("load") the pads in place.

### **Yokes**

Found primarily on import applications, yokes differ from brackets in that they wrap around the caliper housing rather than just the pads. The yoke acts as a platform upon which the



caliper and its mounting and sliding hardware are attached. This complete assembly is then easily installed on the vehicle.

### **Support Keys**

Support keys are used as wedges to hold the caliper into the bracket or yoke. They insure that the caliper is positioned firmly and correctly before installation on the vehicle.

### **Cable Brackets**

The cable bracket acts as a guide, holding the parking brake cable onto the caliper.

### **Levers**

Parking brake levers are usually found on rear applications (one notable exception is Subaru, which uses some front calipers for parking brakes). The lever is attached to the actuator assembly which ratchets out upon application, mechanically forcing the disc pad against the rotor.

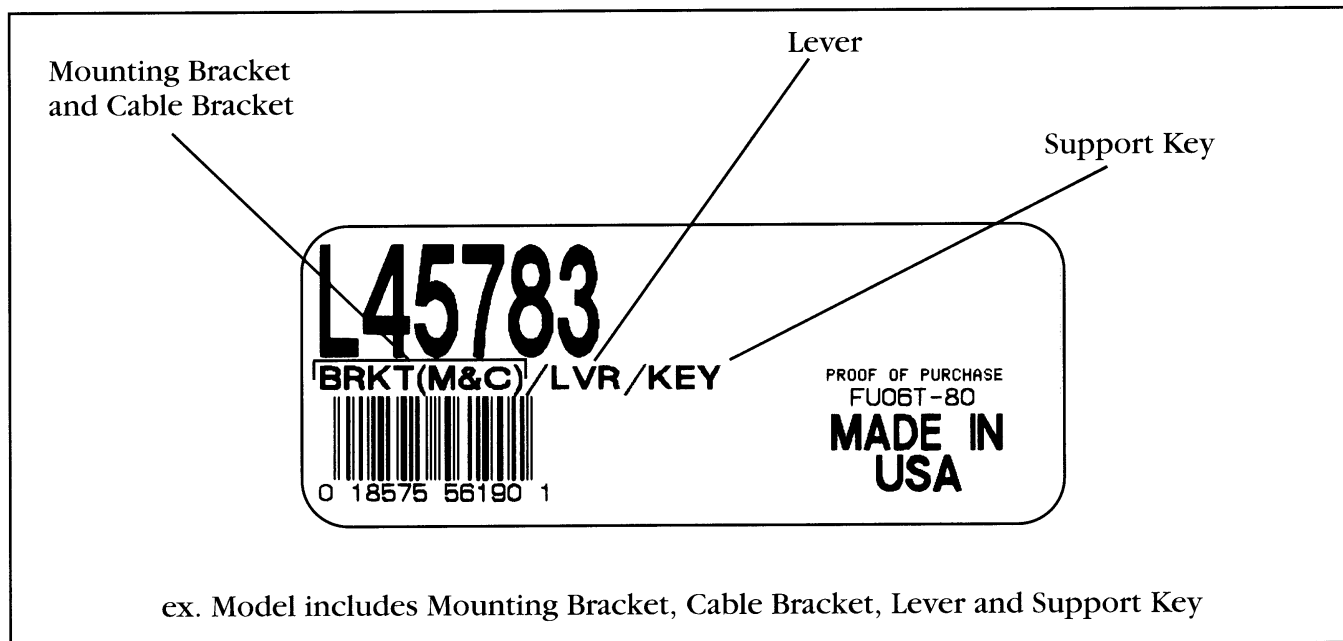
## Lever Springs

The lever spring is a large, tightly wound spring that returns the lever to its resting position when the parking brake is released.

In order to help in the identification of which loaded caliper models come equipped with critical components, a mini-Bill of Materials is now included on the Bendix Loaded Caliper part number label. Because of space constraints, the following abbreviations are used:

BRKT (M)	Mounting Bracket
YOKE	Yoke
KEY	Support Key
BRKT (C)	Cable Bracket
LVR	Lever
SPRG	Lever Spring

It is important to note that in many cases, these critical components are either not available separately, or if available, are extremely expensive. In fact, some of these components may have a replacement cost equal to or greater than the caliper housing itself. Therefore, it is crucial that these components be returned when the actual caliper housing core is returned for credit. This helps ensure continued availability of the associated loaded caliper (and is a requirement to ensure complete core credit is received).



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