

## 1989 and Newer Jeep Cherokee, Grand Cherokee and Wagoneer ABS "Warning" Light Illumination

It has been noted that 1989 and newer Jeep Cherokees and Wagoneers that are equipped with an anti-lock brake system can trigger the ABS "warning" light while experiencing slight to moderate rear wheel slip in the two wheel drive mode. This warning light could be illuminated and a code set whenever a condition exists that the rear wheels are spinning and the front wheels are stationary or spinning more slowly than the rear. If you suspect this may be the reason the ABS warning light is on and you have found no other problems, you may want to clear the memory of the brake control module and then test drive it to verify no other ABS problems exist.

The first step in clearing memory of the brake control module is to identify what type system is found on the vehicle.

Beginning in 1989, some Jeep Cherokee and Wagoneer (70 Series) models were equipped with a Bendix integral system (Figure 1). To clear any ABS codes, you must remove battery voltage from the brake control module. This can be done in one of the following manner's: Remove 2 amp ABS BAT fuse for 10 seconds or disconnect the ABS wiring harness from the

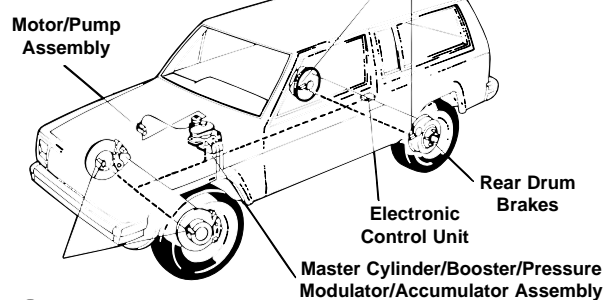
brake control module. for 10 seconds or remove the negative battery cable for 10 seconds. The 1992 Jeep Cherokee-XJ and the 1992 1/2 Grand Cherokee-ZJ models may come equipped with a Teves Mark IV non-integral ABS system (Figure 2). If the rear wheel slip condition exists on this vehicle with this system, the ABS warning light would only come on as long as this fault condition were to exist. When the condition no longer exists, the ABS warning light will be turned off but a fault code will be set in the brake control module. This is considered a non-latching fault and will not disable the ABS system, but yet a code is stored in the brake control module until its memory is cleared. The memory can be cleared by either one of two ways:

1. Use a DRBII (Chrysler scanner with cartridge) to clear the code(s) or
2. Cycle the ignition at least 50 times for each existing code.

Of course, you should test drive the vehicle to ensure that the ABS light no longer illuminates and that the system is functioning properly. More information can be found on these and other systems in a Wagner AU-6400 Anti-Lock Brake Systems Service Manual.

**Figure 1**

BENDIX INTEGRAL SYSTEM



**Figure 2**

TEVES NON-INTREGRAL SYSTEM

