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## SERVICE INFORMATION

### BACKGROUND: FREE PLAY ADJUSTMENT

On all hydraulic disc brake systems, lever or pedal free play is adjustable. Free play is necessary to ensure that the master cylinder piston returns to its rest position. If the piston does not return all the way, it may not uncover the relief port. This could cause the brake to drag by not completely relieving fluid pressure in the system.

### PROBLEM: INSUFFICIENT FREE PLAY MAY CAUSE BRAKE DRAG

#### Front Brake Lever

The front brake lever rests against an eccentric cam pin on the end of the adjusting bolt. Turning the bolt moves the cam pin, which changes the lever's rest position and free play.

If the locknut is run all the way back to the adjusting bolt's head, and the bolt is turned all the way up into the master cylinder body, the lever may rest against the bolt's threads instead of the cam pin. This will hold the lever away from its correct rest position, which could keep the master cylinder piston from uncovering the relief port.

