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## ModuIT ADB mechanism torque limiter function and clicking

Within the new Haldex Air Disc Brake ModuIT mechanism is a mechanical function called the torque limiter.

The purpose of the torque limiter is to limit the mechanisms internal maximum rotational torque. If the internal rotational torque reaches its maximum level then the torque limiter clicks over resetting the torque to zero.

The click is thus a design feature and meant to occur when required during certain conditions.

During normal operating conditions the torque limiter doesn't need to click over. But when there is high brake pad compression during the brake application stage, this can result in a longer than normal actuated clamped stroke. It is during this condition that the torque limiter function could take place and the click be heard.

Compression is naturally found within new brake pads, but the amount of compression each new pair of brake pads have can vary. Therefore the click is not consistently heard, potentially only when the amount of compression is high.

In summary, the torque limiter click could naturally occur during brake actuation after the installation of new brake pads. However, just by fitting new brake pads will not guarantee the click will occur.

Once the new brake pads have bedded in and the high compression has reduced, it is unlikely that any future torque limiter click will be necessary or heard.