

Technical Bulletin.

APEC BRAKE GREASE BG75

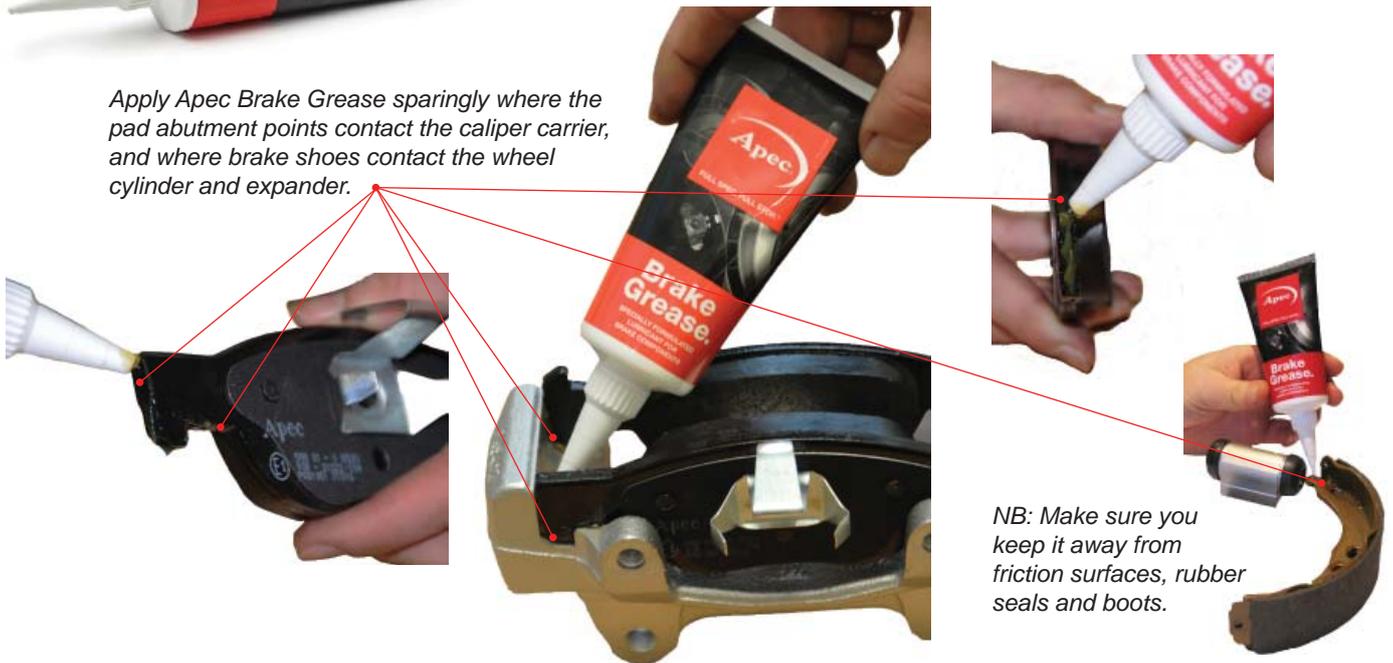


Apec Brake Grease helps you do the most professional job on new brake installations. Its specially formulated copper-free lubricant assists the smooth movement of braking components, and minimises noise.

Apec Brake Grease effectively withstands water and high temperatures, and is fully compatible with ABS brakes.

Apec Brake Grease is manufactured to the same high standards as the rest of the Apec Braking range, to provide quality you can trust.

Apply Apec Brake Grease sparingly where the pad abutment points contact the caliper carrier, and where brake shoes contact the wheel cylinder and expander.



NB: Make sure you keep it away from friction surfaces, rubber seals and boots.

Anti seize compounds such as copper grease are an anti-seize compound and not a lubricant. Copper grease is also conductive and contains solid particles. Should it contaminate the ABS sensors it could interfere with the ABS signals.

Copper grease is not suitable for the brake environment as a galvanic reaction is likely to occur. Galvanic corrosion is caused due to 2 dissimilar metals reacting with each other. All metals have galvanic qualities. This is a measure of a metal's resistance to corrosion when in contact with another metal. A greater relative difference in galvanic quality between the two metals in contact indicates a greater corrosion potential. Galvanic corrosion (also called bimetallic corrosion) is an electrochemical process in which one metal corrodes preferentially to another when both metals are in electrical contact, in the presence of an electrolyte. Since copper has one of the highest galvanic numbers or nobility of the active metals, it will not be harmed by contact with any of them. It will, however, cause corrosion of the other metals if in direct contact. Thus preventing the pad from moving freely in the caliper/carrier. The electrolyte may be rain water or moisture from the air containing enough acid to cause it to act as an electrolyte. This results in the deterioration of the metal with the lower galvanic number. Contact in a saline environment or salty water will accelerate corrosion.