

3 GOLDEN RULES

3 SIMPLE STEPS TO STOPPING BRAKE NOISE

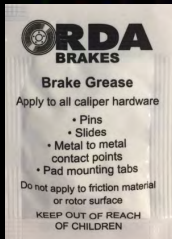
1

Remove pads, identify witness marks on pads that have been slightly moving in caliper. These marks will constantly be the cause of the squeal!



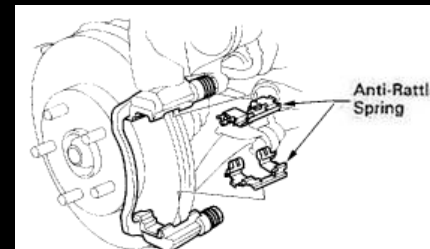
2

Clean all contact points, lubricate with high temp grease. Retention spring clips or replace, Pad needs to be tight in caliper this will solve 80% of noise related come backs.



3

If applying disc brake quiet or a silicone based product on the pad backing plates, allow product to become tacky in caliper. Then Apply brake 2-3 times in the stationary position and allow to dry, this squeezes glue around bracket & piston creating resistance for pad movement when brakes are applied.



NO MOVEMENT = NO NOISE 100% OF THE TIME !

The Largest Range of Brake Applications in Australia!

ELIMINATING VIBRATION & NOISE

To avoid costly noise related come backs it's very important while fitting new brake pads you eliminate pad vibration & movement. Most noise related come backs are due to pad moving in caliper.



Brake pad friction material is not the source of the noise.

If a brake pad moves in a caliper it will leave witness marks on the brake pad this is the area of concern, address this area and the reason why movement is occurring and noise will be gone.

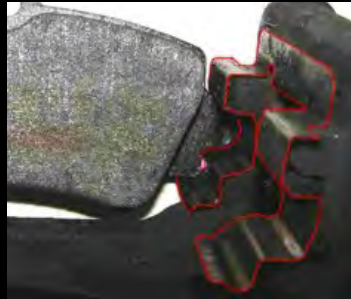


Over the years brake caliper manufactures have engineered the caliper to be more rigid, brackets thicker, which makes it more complex in locating the pad & general brake pad fitment.

All Brake system manufacturers around the world have included into calipers brackets many types of spring clips trying to restrict the amount of pad movement when the stationary item (brake pads) comes in contact with the moving item (disc rotor)



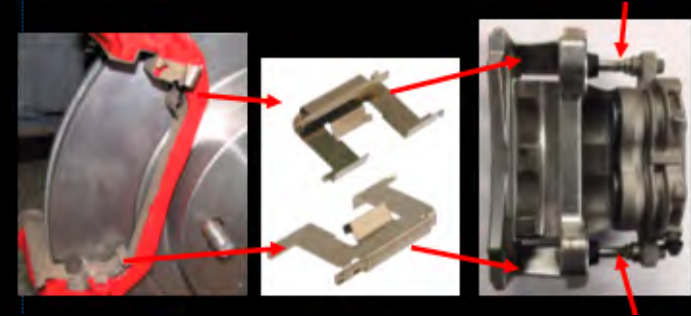
also they have added these spring clips to the backing plates of brake pads either in the form of clips to go into caliper pistons or to wrap around caliper brackets.



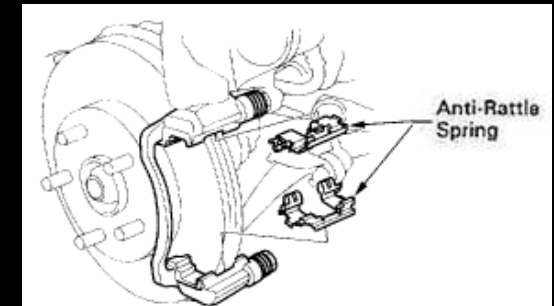
These improvements have been done for 1 reason only - to stop pad moving enough to reduce a torsional vibration that creates brake noise .



The use of anti squeal paste is also recommend when dealing with excessive brake pad movement, this helps hold brake pad stable within caliper bracket also caliper piston. However its very important once applied to brake system you allow enough curing time before road testing vehicle, as glue or paste will become dislodged & not hold brake pad correctly or possibly contaminate brake pad surface.



No 1. Mistake in fitting brake pads people don't clean & retention these spring clips and lubricate with high temp grease as it was done when vehicle was produced. New brake pads need to be tight in caliper brackets, that is the function of these spring clips.



Anti-squeal shim kits can also be used by cutting with scissors to shape required and applying to metal to metal contact points to prevent brake pad movement & noise.

