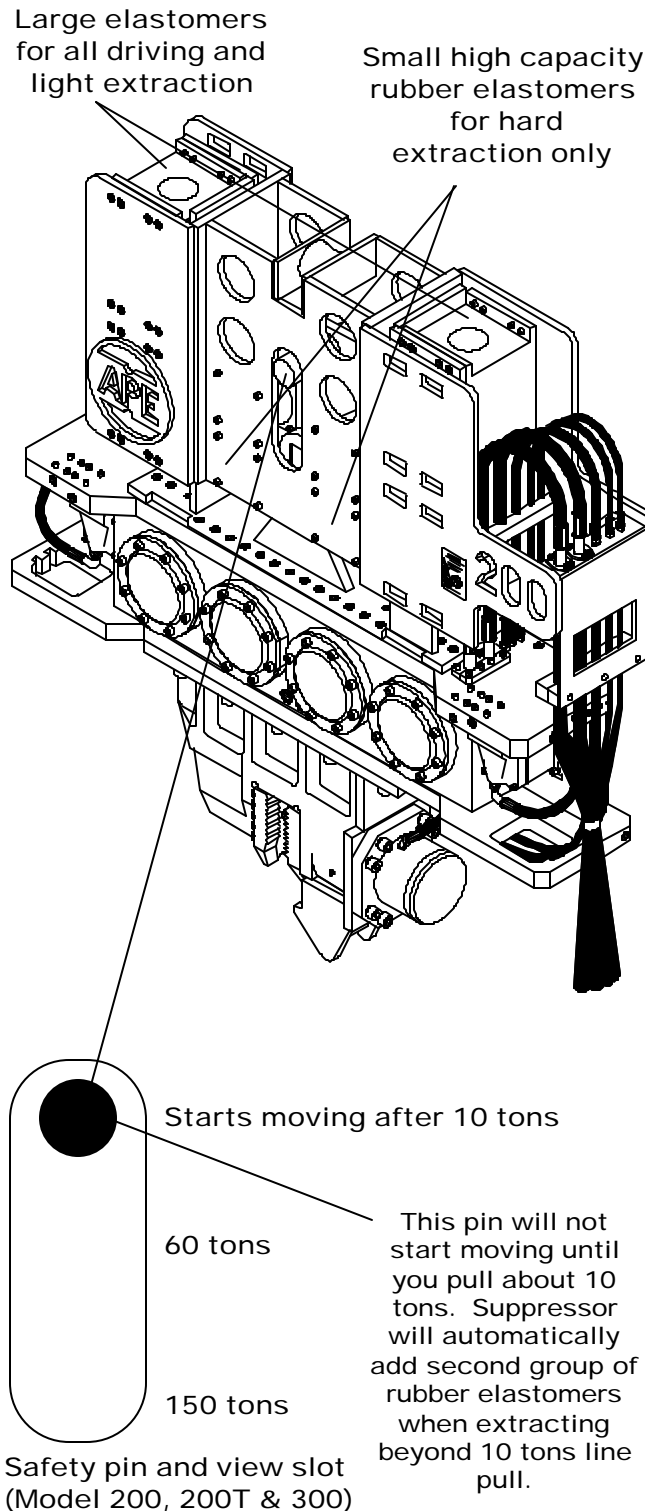


NOTICE TO CRANE OPERATORS

AVOID UNWANTED CRANE LINE VIBRATION! DO NOT HOLD SUPPRESSOR BETWEEN STAGES

Understanding the Patented APE two stage suppressor



The APE vibro suppressor has two sets of rubber elastomers. One set is very large and is used only for driving and very light extraction. On most light duty jobs, only the large elastomers will be engaged and the vibro will operate very smooth.

There is a second set of high capacity rubber elastomers located on the suppressor. They are only used during hard extraction. They will engage after you have stretched the large elastomers about 10 inches. Most piles come out before you can pull that hard. However, if the piles do not come free, the second stage rubbers will kick in and cause a slight metal to metal sound. Do not mistake this to be the safety stops. Keep pulling until you engage the small elastomers.

SAFETY STOP PIN

The safety stop pin is in the center of the vibro. It is located at the top of the slot. This pin will not move until you start pulling into the second stage. You have reached maximum pulling when the pin has reached the bottom of the slot. It can take up to 150 tons of line pull to get this pin to the bottom of the slot. Most cranes do not have the line pull capacity to reach the limits of this vibro.

Do not stop pulling when the suppressor switches to the second stage. Rookie crane operators often make this mistake. Remember to watch the center safety pin. The safety pin tells you what kind of line pull you are putting on the vibro and pile.