Installing a Kilroy I spring to assist the eruption of a palatally impacted tooth

1. With a utility plier such as a Weingart, pinch the helices at both ends of the spring and close slightly. *(fig.1)*

2. Thread the Kilroy I onto the archwire (see note) with the vertical loop to the buccal and extending to the occlusal. *(fig.2)*

3. Position the Kilroy I so that the terminal helices extend beyond the bracket or the teeth adjacent to the site for the impacted tooth. *(fig.3)*

4. Tie the archwire in place - tightly.

5. To activate the Kilroy, run a stainless steel ligature through the helix of the vertical loop. *(fig.4)* Direct the loop in the direction of the impacted tooth and tie to the receiving attachment on the impacted tooth. *(fig.5)*

6. Re-tie, as necessary, to bring the impacted tooth into position.

**Note:** The Kilroy I uses support from the teeth adjacent to the impaction site to generate its activation force. A rectangular archwire, 017 x 025 minimum is required to resist undesirable forces on these abutment teeth. In addition, these teeth must be tied in with stainless steel ligatures. Do Not use elastic ligatures.