

3042-0004 Mikuni SE Cruise Control Adapter Installation Guide Part I

- Step 1 Disconnect battery ground
- Step 2 Shut off fuel line & plug
- Step 3 Remove stock air cleaner assembly. This kit only works with the Screaming Eagle Air Cleaner and Breather Kit (Part # 29543-99 for Evo, or part # 29440-99 for Twin Cam)
- Step 4 Loosen throttle cables and remove carburetor
- Step 5 With dowel pin punch, remove dowel pin (Part #41) and return lever assembly and spring (Parts # 42-45)
- Step 6 Mark existing throttle shaft (Part #46) with a marker in line with dowel pin holes for alignment purposes (Refer to mark in figure 3)
- Step 7 Tap carb. vent brass plug inwards until flush with body (Refer to figure 3A)
- Step 8 Modify spring (Part #45) by bending U-shaped tang over 90 degrees, so it loops around roll pin after roll pin is installed. Place tang in a vise and carefully bend. **Do not use pliers or anything sharp that could nick tang**
- Step 9 Start new dowel pin in topside of cruise lever (Refer to figure 1A). Do not push dowel pin past opening of shaft hole
- Step 10 Coat back surface with anti-seize lube (Refer to figure 1B)
- Step 11 Place modified spring onto cruise lever register with tang hooked around dowel pin (Refer to figure 2)
- Step 12 Hold throttle slide closed by turning throttle lever (Part #32) upward
- Step 13 Start assembly by placing spring against carburetor body in position illustrated in figure 3. Note position of cruise lever and spring tang (Figure 3B)

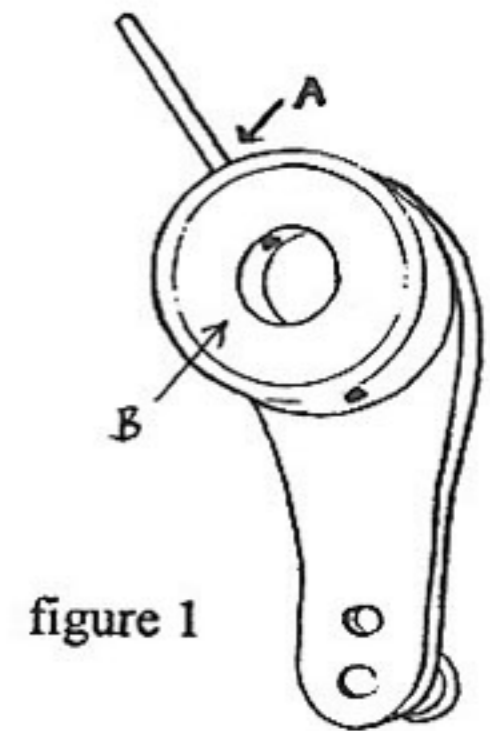


figure 1

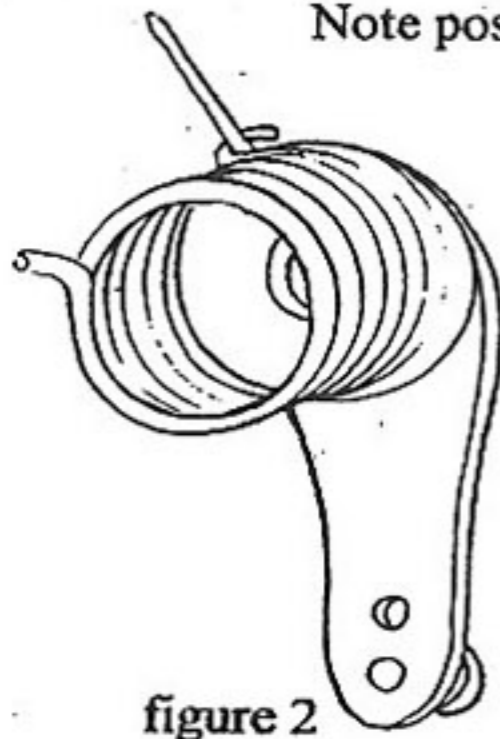


figure 2

- Step 14 Start winding lever assembly 180 degrees clockwise while continuing to hold the carburetor slide closed. (For end position of cruise lever, refer to figure 4)
- Step 15 Line up dowel pin with throttle shaft mark and insert alignment nail through the bottom hole. Carefully tap dowel pin through until flush with bottom exit hole. **Make sure spring is seated properly**
- Step 16 Cruise lever is now installed. Open and close carburetor using cruise lever. **Make sure the lever has complete free movement and no interference with any mechanism**

- Step 17 **The rear cylinder head will need to be shaved slightly.** (Twin Cam) Remove bottom right corner by breather hole (Refer to figure 7). Grind off the casting flash from surface of hole to 1.250 inches back. The goal is to obtain a minimum of .025 clearance between head and cruise snap end throughout throttle range
- Step 18 Refer to service manual for cruise control cable adjustment/cable lash initialization

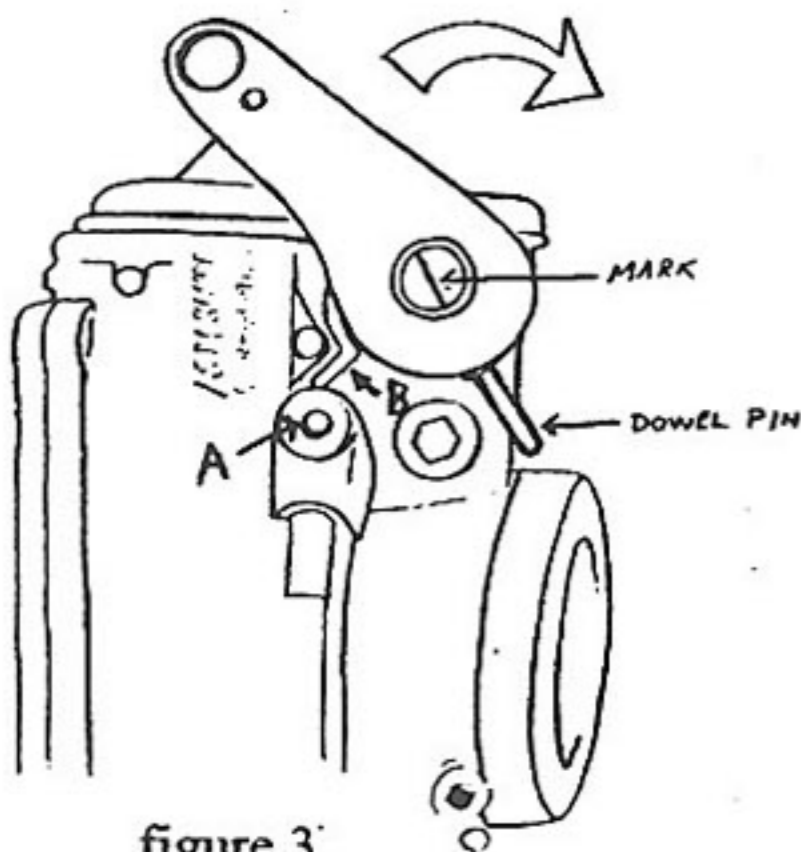


figure 3

- Kit Includes:**

 - (1) Cruise Lever
 - (1) Cable Bracket
 - (1) Dowel Pin - 1.250 long
 - (1) 5mm x 35 Screw
 - (1) Spacer
 - (1) Star Washer
 - (1) E-Clip
 - (1) Alignment Nail
 - (1) Set of Instructions

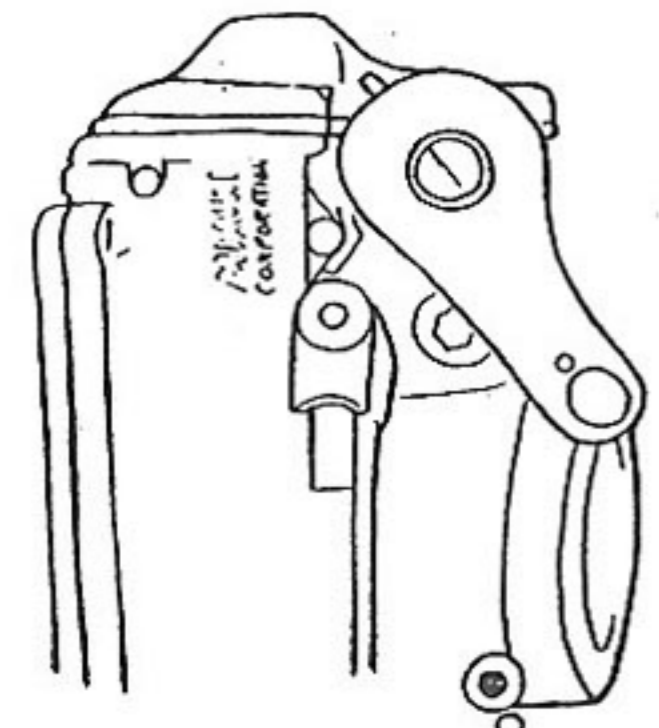


figure 4