



**CRUISE  
MATE**  
MOTORCYCLE  
CRUISE ASSIST

Product of  
**IRON  
BRAID**



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## CRUISE-MATE STOP PIN INSTALLATION INSTRUCTIONS

For Use on the following Models:

08-13 Baggers/RoadKings, ALL Softtails/Dynas/RoadKings w/ Electronic Throttle (requires a stop pin kit).  
**DOES NOT FIT 13 UP BAGGERS/ROADKINGS**

### TECHNICAL NOTE

When Harley-Davidson transitioned from cable-operated throttles to electronic throttle control, they continued using throttle housings that had two pre-drilled holes originally intended for throttle cables. If your bike has this type of housing, both holes will already be present.

To install the Stop Pin:

- 1.) Use a 1/4-20 tap (not included in the kit) to thread the hole where the rear throttle cable would have been. There is no need to enlarge the hole.
- 2.) Apply Loctite to the threads of the Stop Pin and screw it into the bushing (included in your kit).
- 3.) Then, apply Loctite to the external threads of the bushing and install it into the 1/4-20 hole you just tapped.

### HOUSING DISASSEMBLY

- 2.) Install a 5/32 shim (cardboard shim or Allen wrench works fine) in brake lever as shown in Figure 1. (This step is important to avoid accidentally damaging the front brake light switch).

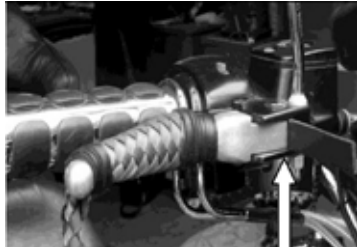


Figure 1

- 3.) Remove 2 bolts from switch housings and open the switch housing as shown in Figure 2. You may have to loosen the 2 bolts holding the master cylinder housing together to open the switch housing.



Figure 2

### DRILLING AND TAPPING HOUSING

- 4.) Insert Stop Pin Drill Bit Guide (longer of 2 enclosed plastic Bushings) inside the cavity of the lower control housing as shown in Figure 3. Install it in the back outside corners where the rear cable would be with a throttle controlled grip assembly.



Figure 3

- 5.) Hold the plastic drill bit guide tight in corner of housing and using the #29 Drill Bit (enclosed in kit) insert drill bit through hole in plastic drill bit guide and drill a hole down through the housing where the rear cable would be with a throttle controlled grip assembly.

- 6.) Replace the Drill Bit Guide with the Tap Guide (shorter of 2 enclosed plastic bushings) Hold plastic tap guide tight in corner of housing and insert 8-32 Tap (enclosed in kit) through hole in plastic tap guide and tap the hole you drilled in housing. Remove tap guide and clean all metal chips from switch housing. Close Switch Housing and Master Cylinder Assembly, tighten all bolts and screws.

### INSTALLING STOP PIN

- 7.) Apply Loctite to threads of Stop Pin and screw it into the newly tapped hole from the underneath the housing as shown in Figure 4. To tighten Stop Pin without gouging it we recommend wrapping it with a protective wrap such (cardboard/leather/vinyl, etc.) and then tighten with pliers or vice grips.



Figure 4