

# SU Eliminator II Rebuild Instructions

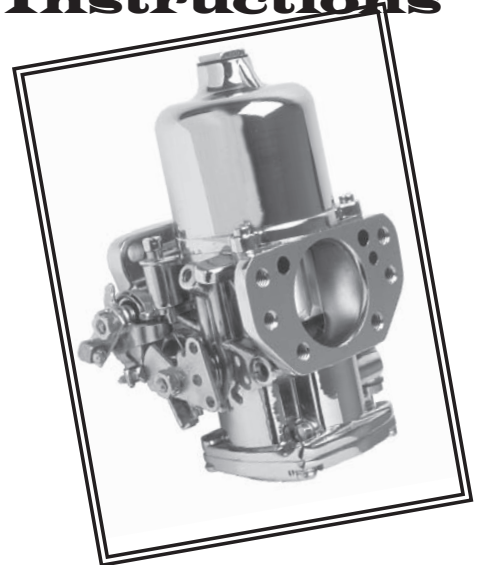
## DISASSEMBLY



1 SU Eliminator II Carb ready for disassembly.



2 Remove Dome.



Piston & Needle.



3 Remove (3) Dome screws.



4 Remove Piston from Dome.



6 Remove Needle from Piston.



7 Piston with Needle removed.



8 Body with Piston removed.



9 Remove Dome Cap.



10 Remove Float Bowl Cover



11 Float Bowl Cover removed



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Paramount, CA 90723

562-321-1989



Float Bowl Cover & parts.



Remove Bi-Metallic Lever & Main Jet.



Remove screw from Bi-Metallic Lever & lift straight up.



Bi-Metallic Lever & Main Jet.



Remove Float Spindle Screw.



Float Spindle Screw removed.



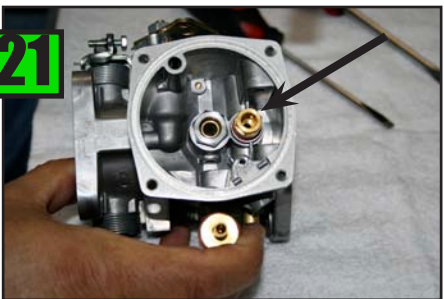
Lift up and remove Float.



Float removed.



Remove Needle.



Seat.



Remove Seat.



Seat & Gasket.

**NOTE:** Prior to working on any carburetor, it must be completely removed from the bike, drained of all gas and dry. Work in a well ventilated area, away from any open flames or sparks. The Float tab only sits on top of and applies pressure to the top of the needle to keep it in place.



Disassemble Ticker Pump Body.



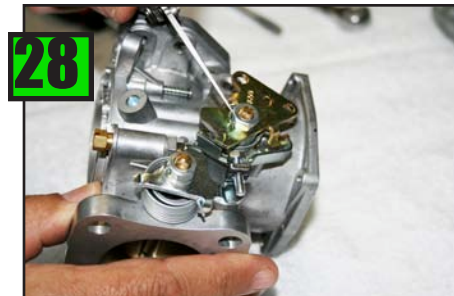
Tickler Pump Assy. removed from Ticker Body.



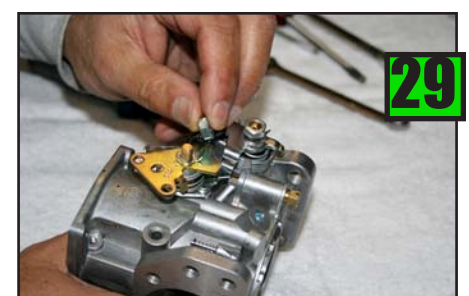
Remove large Tickler Spring from Tickler Pump Assy..



Tickler Stem with Viton Cup..



Begin Removing Choke Cam Lever by bending lock tabs.



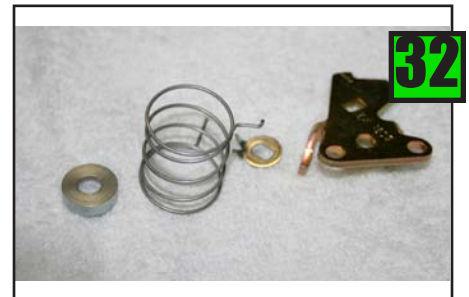
Next remove the Choke Cam Lever nut.



Lift up and remove Choke Cam Lever.



Remove Choke Spring.



Choke Cam Lever Assy..



Bend lock tabs back and remove nut from Idle Stop Lever.



Remove Idle Stop Lever and Throttle Return Spring.



Idle Stop Lever Assy.

**NOTE:** If the lock tabs are worn, you should replace it with new ones. Be careful when removing any spring that is under load, as it may pose eye injury risk.



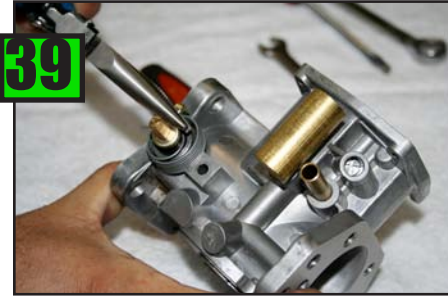
Bend lock tabs back on Throttle Spring Retainer.



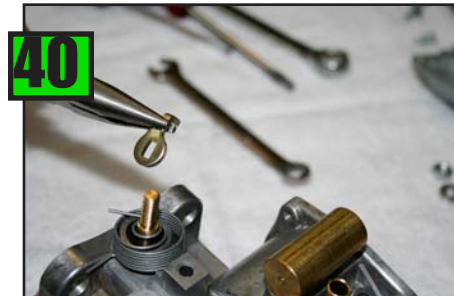
With tabs bent back prepare to remove nut.



Remove nut from Spring Retainer with 7/16" wrench.



Now remove Spring Retainer with needle nose pliers.



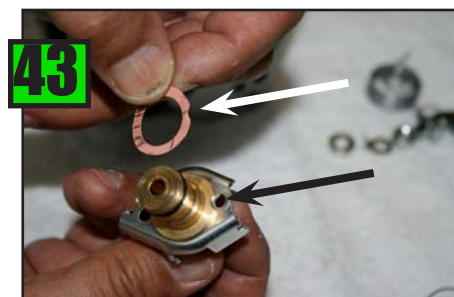
With Spring Retainer off, remove Return Spring.



Next remove the (2) Choke Body Screws.



Lift up and remove Choke Body.



Choke Body gasket.



Choke Body o-ring.



Push the threaded end of Chody Body Spindle outward.

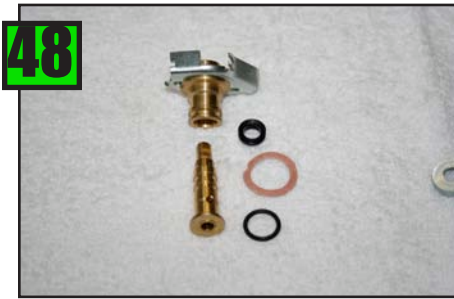


Keep pushing down on spindle.

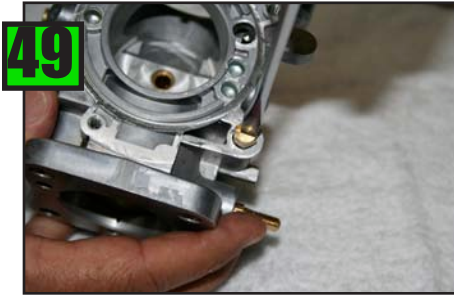


Remove spindle from Choke Body..

**NOTE:** The Choke Body Gasket (figure 43) has a notch cut in it which must be aligned with the hole in the Choke Body bracket.



Choke Body assy.



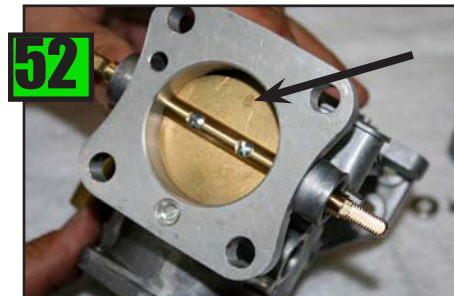
Remove Idle Speed Screw.



Idle Speed screw removed.



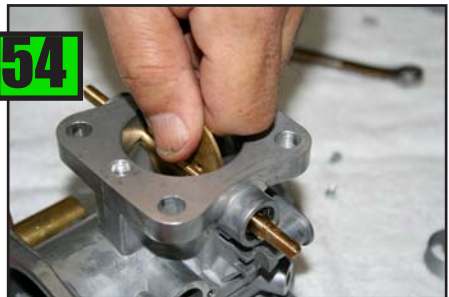
Remove Idle Speed Screw oring.



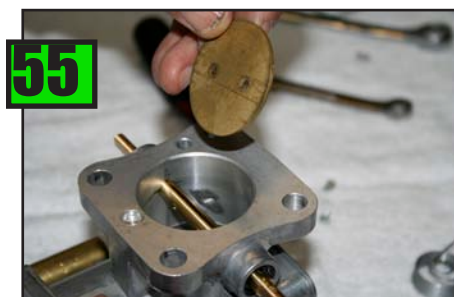
Note position of the number "5" stamped in the Blade.



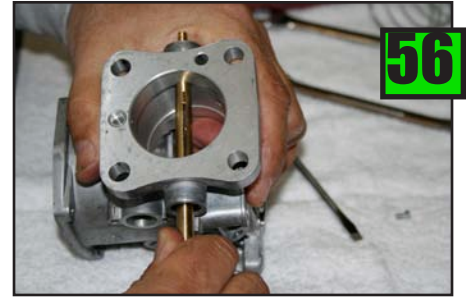
Next remove the (2) Throttle Blade Screws.



Lift up and remove the Throttle Blade.



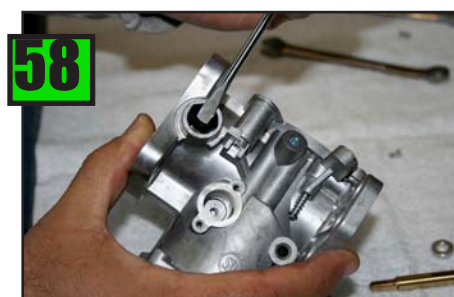
Throttle Blade removed.



Now remove the Throttle Shaft by pulling from either end.



Throttle Shaft removed.



Lastly, remove the Throttle Shaft Spindle Seal.



Both Throttle Spindle Shaft seals should be removed.

**NOTE:** If the lock tabs are worn, you should replace it with new ones. Be careful when removing any spring that is under load, as it may pose eye injury risk.



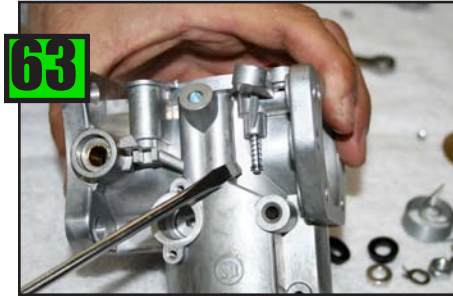
Remove Main Jet Adjusting Screw.



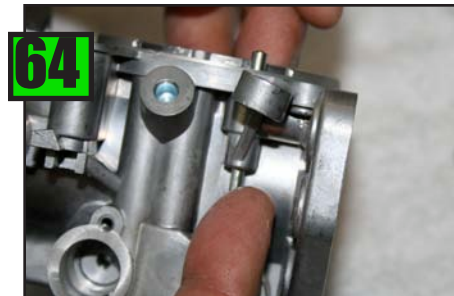
Main Jet Adjusting Screw removed.



Main Jet Adjusting Screw & oring.



Remove circlip on Piston Lift Pin and push up to remove.

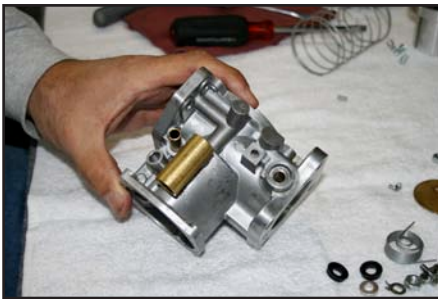


Push up on Piston Lift Pin to remove.



Piston Lift Pin assy.

## 66



Completely stripped SU carburettor body!

### Eliminator II Thread Sizes

Thread size	Location	Part No.
5/16x 18 UNC	Air filter mounting	
No. 6 x 32 UNC	Choke mounting screw	1042-0054
No. 10 x 32 UNF	Float bowl screw	1042-0049
3/16 x 24 WHIT	Suction chamber screw	1042-0538
M4 x 0.7	Idle adjusting screw	1042-0575
9/16 x 18 UNF	Jet bearing nut	1042-0583
7/16 UNF	Needle valve	1109-0007
4 BA	Jet adjusting screw	1042-0558
No. 6 x 32 UNC	Bi-metal fixing screw	1042-0046
No. 10 x 32 UNF	Float spindle	1042-0524

**NOTE:** Remove Piston Lift Pin circlip with a small needle nose pliers, then remove spring. Push up towards the top of the carb body to remove the Piston Lift Pin.

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