

## Nert Sync Kit

For me, accurate and quick synchronizing of Mikuni carburetor banks was made more difficult as holding the Sync screw and tightening the jam nut would result in an altered Sync adjustment. Greater skill and anticipated adjustment compensation was required to finalize a successful setting.

My objective was to provide a constant and applied tension to the Sync screw allowing elimination of the jam nut. I wanted the design to be simple, quick, easy, non-destructive, and inexpensive. I also wanted to be able to remove the modification and return the carburetors to their original design.

Development included, springs, washers, and various hardware bits and pieces around the shop. I finalized on the design as outlined in the following attached instructions. I have modified several carburetor banks using this method and have monitored the effectiveness. It works!

Depending on interest, I would be able to supply a complete kit for a (4) carburetor bank.

The kit would include:

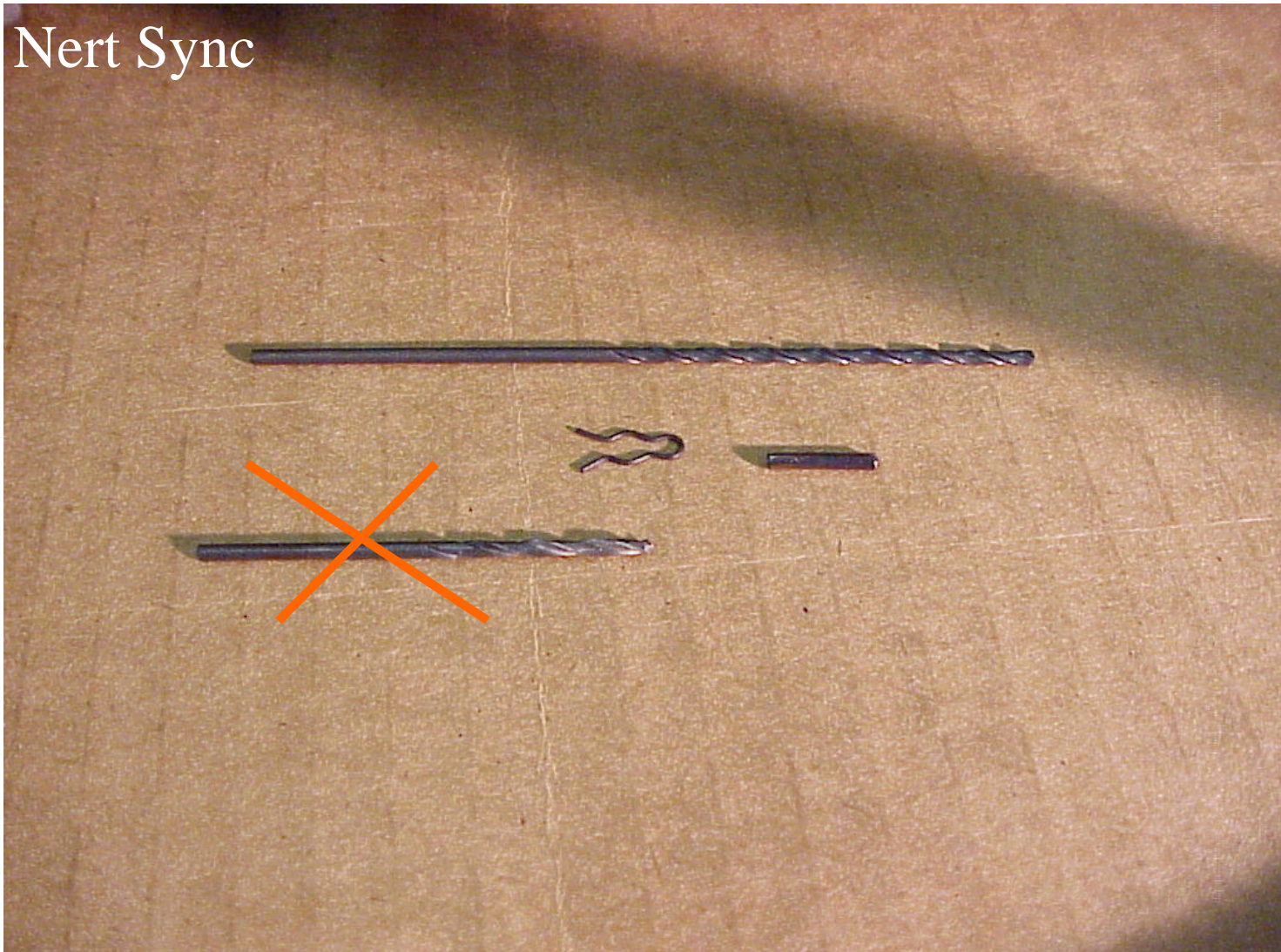
- (1) LONG 5/64 drill bit
  - (4) roll pins, you only need 3, an extra in case you drop one
  - (15) hair pins
- shipping included anywhere in the continental United States  
foreign soil may be more, I would need to get a feel for shipping costs.

Cost = \$15.00 to cover expenses, and beer.

No warranty, expressed or implied!

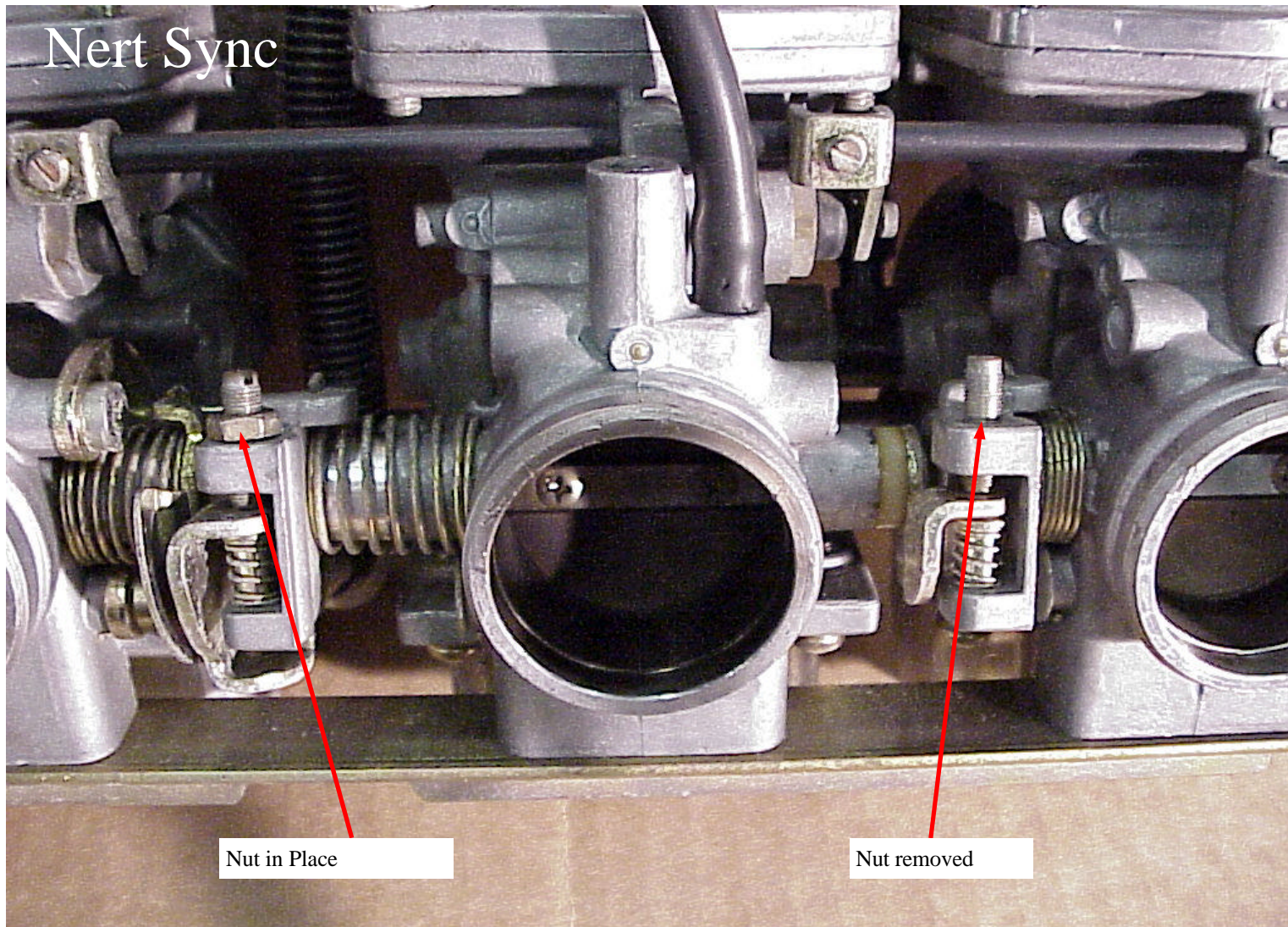
# Nert Sync

1



- TOOLS and PARTS:
- (1) LONG 5/64 drill bit
  - (6) to (12) hair pins
  - (3) 5/64 X 1/2" split roll pins



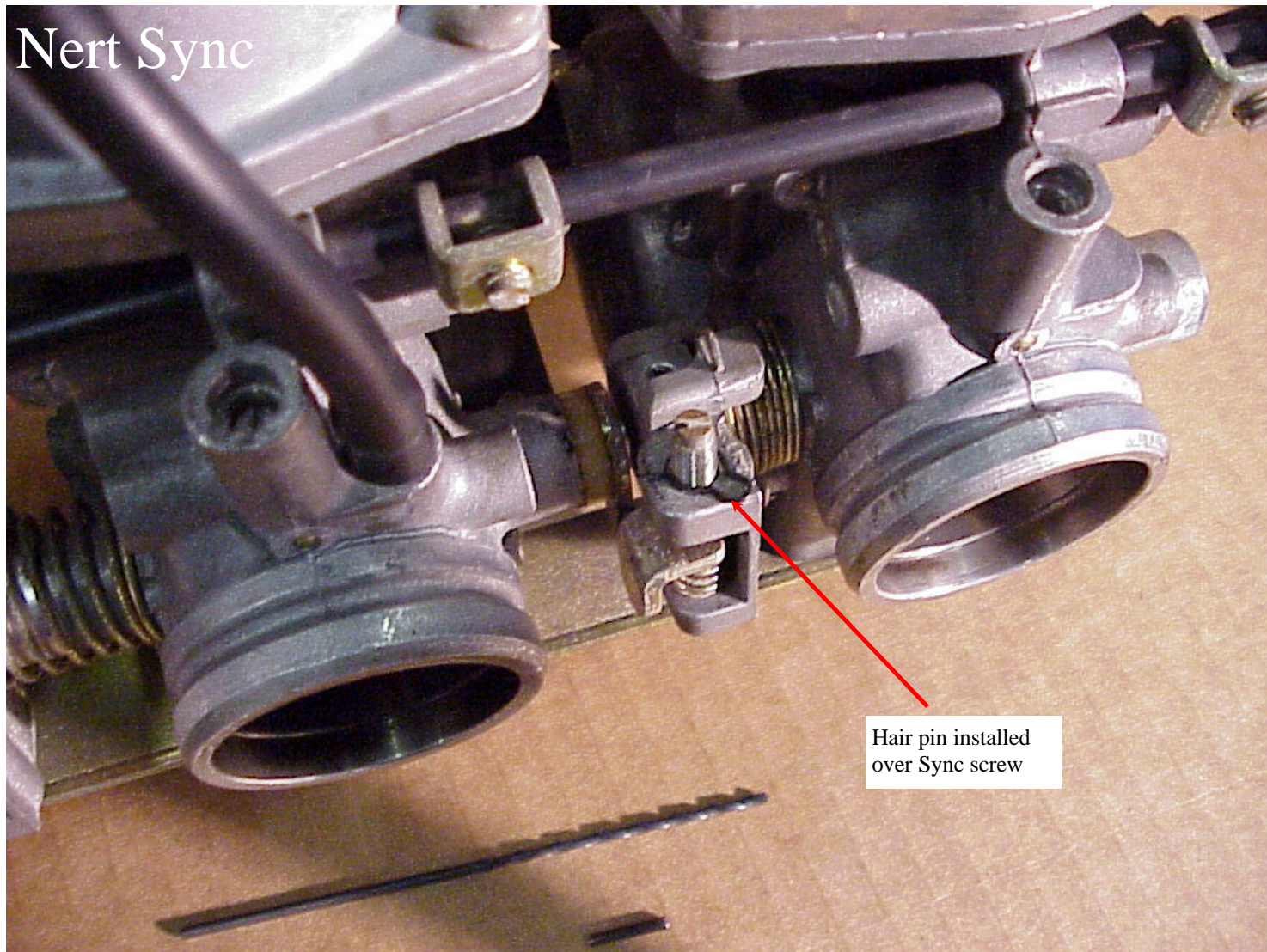


Remove all (3) Synchronizer screw lock nuts. Save your nuts. Never throw away good parts and pieces.



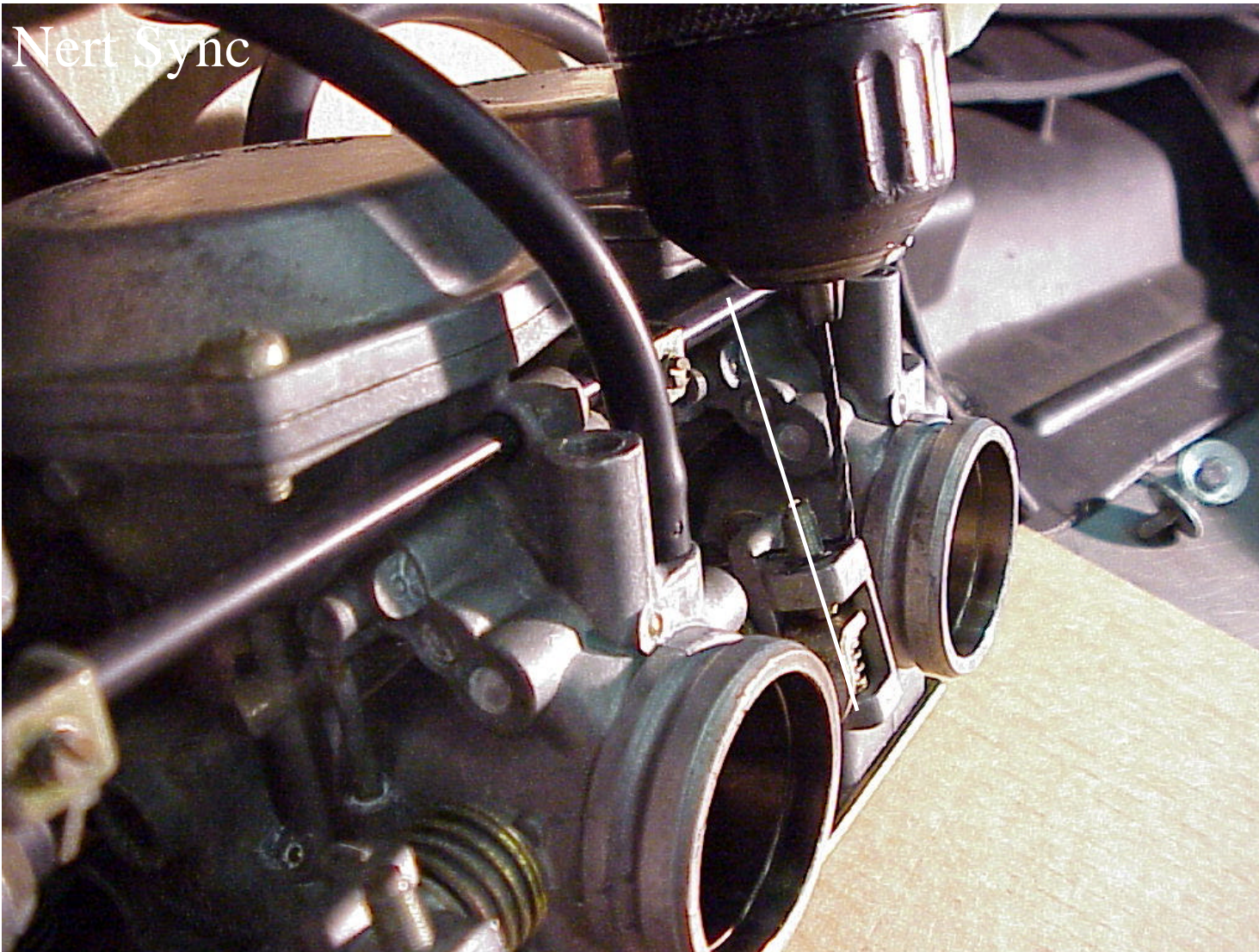
Nert Sync

3



Install a single hair pin over each Synchronizer screw with the closed loop to one of the outer corners.



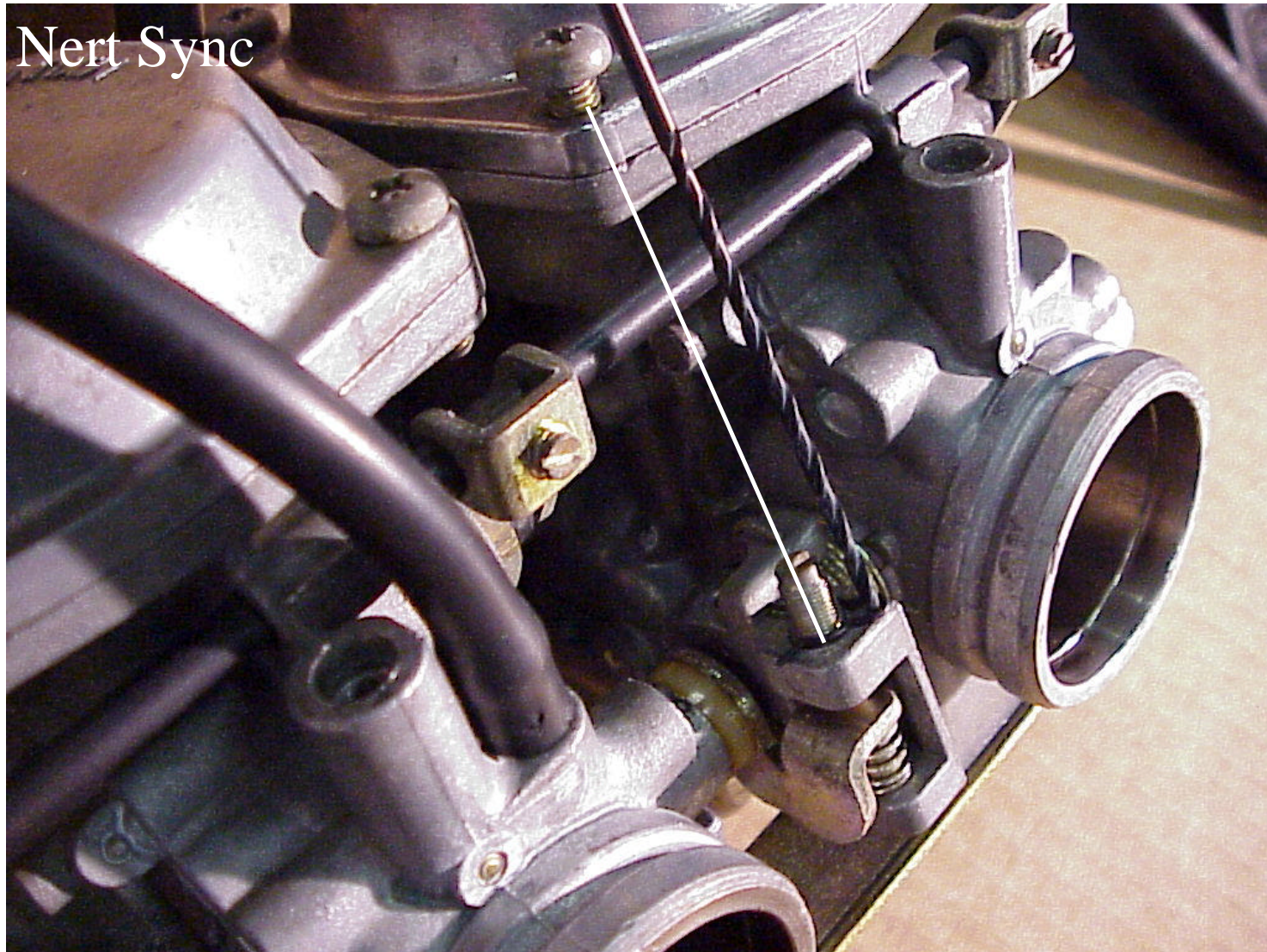


4

As you can see from this photo, you can not obtain the correct drilling angle with a standard drill bit. DO NOT use short drill bit unless carburetors are taken fully apart.



Nert Sync



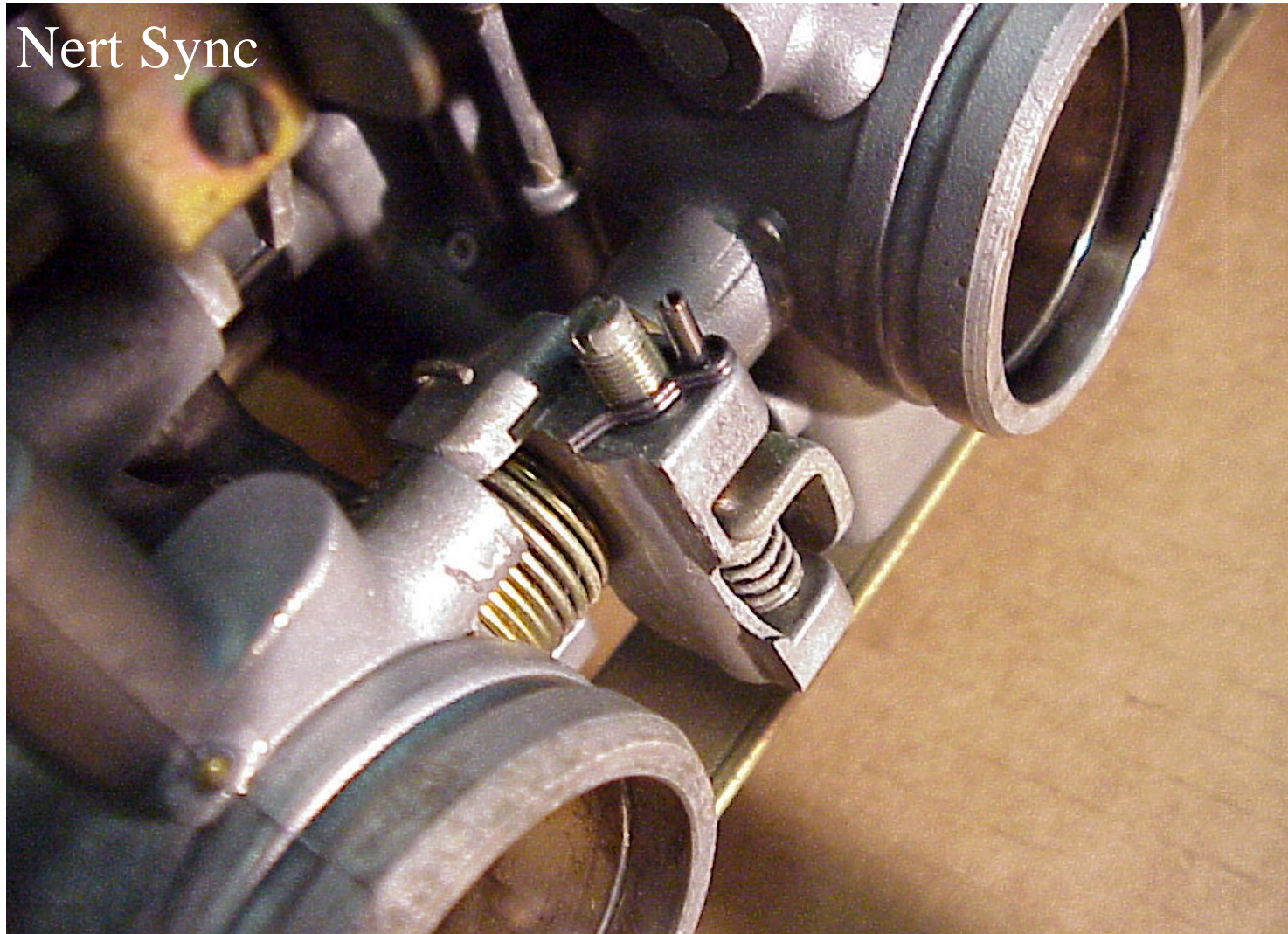
5

Slowly drill hole thru Synchronizer screw linkage boss centered in the hair pin closed loop and using the closed loop as a guide for the drill bit. I drill completely through the thick part of the boss.

Note: USEING THE LONG DRILL BIT CLEARS ALL CARBURETOR PARTS AND ALLOWS FOR THE CORRECT PERPINDICULAR ANGLE TO THE LINKAGE BOSS.



Nert Sync



6

Install roll pin in finished drill hole. Remove the Synchronizer screw. Start the roll pin in the hole and use a hammer to tap the roll pin in place. Support the bottom of the boss on a solid object when tapping in the roll pin.

Reinstall Synchronizer screw. Stack at least (2) hair pins over the Synchronizer screw locating the closed loop end over the roll pin. You can stack more hair pins for greater tension if you prefer. (I use 4 hair pins per carb) Manually Sync carbs before installing on engine. Finish with preferred synchronizing tool and method.  
OPTION: sharpen the end of the roll pin on a grinding wheel to aid with easier entry in to the hole.