

HINTS AND TIPS ON — SERVICE —

For **BSA** *and* **ARIEL** *Dealers*

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HOW TO INCREASE THE PERFORMANCE OF THE 1962 SUPER ROCKETS THAT ARE EQUIPPED WITH DUAL EXHAUST PIPES AND DUAL SILENCERS

Many 1962 Super Rockets are equipped with two glass-packed silencers which more than meet the requirements of state motor vehicle regulations as to silence.

However, there is a certain amount of restriction in the silencers which, if removed, will improve the engine performance considerably.

As is well known, a straight through exhaust pipe or a megaphone type muffler will lessen back pressure and allow an engine to develop maximum power with resultant top speed.

However we DO NOT recommend the above -- nor any other type of noisy exhaust system for road or highway use.

In cases where the machine is to be used in drag races or competition off the roads or highways, a considerable improvement to top speed performance can be made by removing unnecessary restrictions from the 1962 type of glass-packed silencer.

These restrictions are a "spoon" shaped baffle in the forward end of the silencer and a "cone" shaped baffle in the rear end of the silencer. The "spoon" and "cone" baffles can be removed when maximum speed is desired.

INSTRUCTIONS FOR REMOVING THE SPOON AND CONE BAFFLES:

1. Remove both silencers from the motorcycle.
2. Grind one end of a 1/2" round rod in the form of a chisel. This rod must be approximately 24" long to reach the spoon.
3. Insert the rod through the rear end of the silencer up against the spoon baffle and cut it loose by tapping the end of the rod. Then pull the baffle out with a pair of long-nose pliers.
4. Insert a 1" tube or an old fork shaft through the front end of the silencer up against the small end of the cone baffle. Tap

the end of the tube or shaft until the cone baffl drops out.

5. Perform the above operations on both silencers then re-assemble them on the motorcycle. You will find there is a big improvement in the top speed performance.

When racing performance is required of the motorcycle, megaphones or straight-through extension pipes can be fitted and the top speed will be still greater. (We repeat not recommended for road or highway use).

1961 SUPER ROCKETS: Some of the 1960-1961 Super Rockets were equipped with silencers that had this "spoon" baffle in them.

When maximum speed is desired on these earlier Super Rockets, the "spoon" baffles in the 1960-1961 type of silencers may be removed in the same manner as outlined in the above instructions (#2).

IN CONCLUSION we wish to make it perfectly clear that the above is NOT recommended except when it is desired to increase maximum speed -- for use off the roads and highways.