

# COMPARISON BETWEEN CATALYTIC CONVERTER AND CERAMIC WOOL SILENCER

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## 1. INTRODUCTION

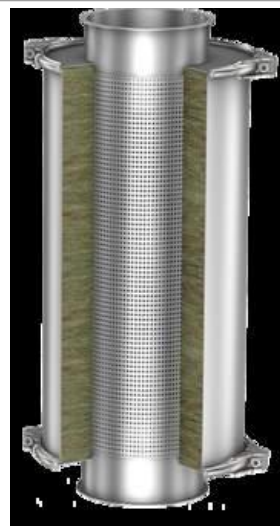
The research is for the comparison between catalytic converter silencer and ceramic wool silencer for better millage of engine. In this research we will use both catalytic converter silencer which is usually company fitted and ceramic wool which is a after market silencer.

The engine used in this research is a Royal Enfield Bullet 350cc with a carburetor for fuel supply. The engine is of accurate 347cc. The research is performed on a highway road for accurate readings

## 2. THEORY

In first test we have used a catalytic converter silencer which is a company fitted silencer. Fuel used is 100ml for test. And the millage reading of catalytic converter silencer is of 35km/L. The bike runs for almost 3.5 km on a highway

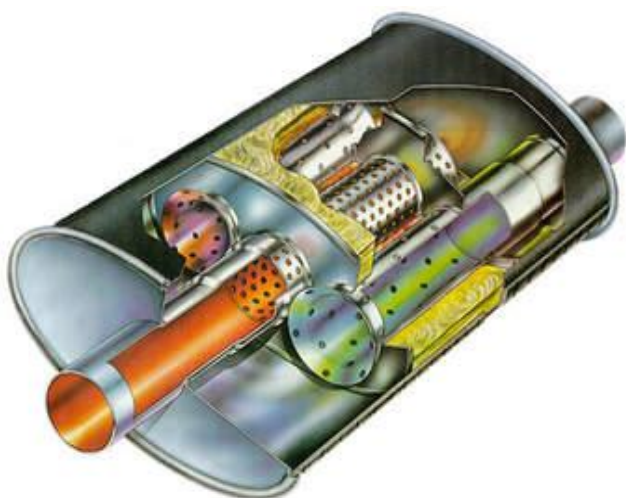
In second test we have used a ceramic wool silencer which is aftermarket silencer. Fuel quantity is same as previous (100ml). The millage reading of ceramic wool is of 40km/L. The running condition of bike is same as previous



CERAMIC WOOL SILENCER



ROYAL ENFIELD BULLET 350



## 3. APPLICATION

The application of ceramic wool silencer is of all type of automobiles and two wheelers where we need good performance as well as no emission of harmful gases there we need to use a ceramic wool silencer instead of catalytic converter silencer. It also provides a better fuel economy and performance also.

#### **4. RESULT**

Using ceramic wool silencer can easily increase you millage and engine performance without harming the atmosphere

#### **5. CONCLUSION**

Conclusion of this research is that the ceramic wool silencer give more millage because in ceramic wool silencer exhaust gases passes easily through it due to which back pressure does not occurs due to which engine millage is increased but in catalytic converter silencer occurs due to very small hole and so many small pipes which reduces the flow of exhaust gases and back pressure reduces the millage of engine

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#### **REFERENCES**

1. [www.wikipedia.com](http://www.wikipedia.com)