

Speed Post

I-1/03/2023-W&M
Government of India
Ministry of Consumer Affairs, Food and Public Distribution
Department of Consumer Affairs
Legal Metrology Division

Krishi Bhawan, New Delhi-110001
Dated: 06.03.2023

To,
The Controller of Legal Metrology,
All States / UTs

Subject: Fuel Capacity of Car / Two Wheeler's mentioned in the Service Manuals by Vehicle Manufacturers -reg.

Sir/ Ma'am,

The undersigned is directed to refer to the above mentioned subject and to state that representations have been received from Petroleum Dealer Associations regarding wrong tank capacity mentioned in the booklets of two wheelers and four wheelers, as it is shown 15 to 20% less than the actual volume.

2. Association has informed that the Automobiles Manufacturer makes fuel tanks with 15 to 20% spare capacity for various security reasons viz:

(i) To prevent Volatile Organic Compound from being leaked in case of volume expansion, as underground tanks at petrol pumps have lower temperature compared to atmosphere.


(ii) Gasoline needs space for vapor creation and if not provided than the output of engine performance will suffer and unburnt fuel will add to more hydrocarbon pollution.

(iii) If vehicle is filled with full capacity to the brim than the fuel if parked at a slant may leak and may bring about fire being hazardous & explosive.

3. Therefore, it is requested to create awareness among the automobile manufacturers and request them in place of declaring the vehicle fuel tank capacity, advise the motor vehicle users, not to fill the tank completely, but within mentioned declared less quantity.

4. The field officers may be advised accordingly to ensure the above.

Yours faithfully,


(Ashutosh Agarwal)

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I/c Director, Legal Metrology
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Copy to: All stake holders/ Automobile Industries/ SIAM etc. for kind information.