

GOVERNMENT OF TAMIL NADU
TRANSPORT DEPARTMENT

O/o the Transport Commissioner, Chepauk, Chennai-5

R.No.37295/C2/2016

Dated: 08.11.2016

CIRCULAR No. 32/2016.

Sub : Motor Vehicles – Use of LPG as fuel in Motor Vehicles – Alternate use of LPG as fuel in Motor Vehicles – alteration to fit **BRC (MTM srl, Italy)and Zavoli Srl., Italy Kits in Four wheelers-** Approval – Regarding.

Ref: Letter No. RBRC/Mktg/261/2015 from M/s Rohan BRC GAS Equipment Pvt. Ltd, 304,Pancharatna Industrial Estate,Serkhej-Bavia Road, Changodar, Ahmedabad Dated:24.03.2015

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Consequent to the Amendment of Sec.52 of the Motor Vehicles Act, 1988, the Government of India have amended the Rule 115 and 116 of the Central Motor Vehicles Rules 1989 prescribing to the emission norms and safety checks for the use of LPG as fuel in motor vehicles.

To make necessary endorsements in Certificate of Registration of vehicles duly permitting LPG as auto fuel, it should be ensured that the Retro-Fitments Kits are from the authorized manufacturers having the requisite type approval certificate from one of the testing agencies appointed by the Government of India under Rule 126 of the Central Motor Vehicles Rules 1989. For this purpose, the vehicle should be fitted with Auto LPG Cylinder permanently in the vehicle as approved by the Chief Controller of Explosives (CCOE) under the Gas Cylinder Rules, 1981.

The International Centre for Automotive Technology Gurgaon, Haryana approved BRC wagon R LPG BS IV OBD II LPG Kits by M/s Rohan BRC GAS Equipment Pvt. Ltd, 304,Pancharatna Industrial Estate,Serkhej-Bavia Road, Changodar, Ahmedabad vide the following certificates.

Certificate No.

1) i) C A K L 0039 from the International Centre for Automotive Technology, Gurgaon, Haryana Dt.24/03/2015. Maruti Wagon R Vxi 998cc APRIL 2013 make meets Bharat State-IV norms.

ii) In continuation to the CMVR certificate CAKL 0039 dated 24.03.2015 C A K L 0039 L 01 from the International Centre for Automotive Technology, Gurgaon, Haryana Dt.10/08/2015 as issued for which the CM^3 range is within $\pm 25\% CM^3$ of the above base model Maruti Wagon R Vxi (998 CM^3 April 2013 model. The following were issued in the Annexure II of CAKL 0039 L 01.

Honda Brio 1198cc, Renault Pulse 1198cc, Toyota Etios Liva 1197cc, Chevrolet Beat 1199cc, Chevrolet Sail 1199cc, Chevrolet Sail UVA 1199cc, Chevrolet Spark 995cc, Datsun Go 1198cc, DatsunGo Plus 1198cc, Fiat Grand Punto 1172cc, Fiat Palio Stile 1242cc, Fiat Punto 1172cc, Fiat Punto EVO 1172cc, Ford Eco Sport 999cc, Ford Figo 1196cc, Honda Amaze 1198cc, Hyundai Eon 814cc, Hyundai Eon Kappa Magna 998cc, Hyundai Grand I10 1197cc, Hyundai I10 1.1 1086cc, Hyundai I 20 Active 1197cc Hyundai I 20 Elite 1197cc, Hyundai I20 Magna 1197cc, Hyundai Santro Zing 1086cc, Hyundai Xcent 1197cc, Maruti Alto 800 796cc, Maruti Alto K10 998 cc, Maruti A Star 998cc, Maruti Celerio 998cc, Maruti Eeco (5 Seater) 1196 cc, Maruti Eeco (7 Seater) 1196cc, Maruti Eeco Cargo 1196cc, Maruti Omni (5 Seater) 796cc, Maruti Omni (8 Seater) 796cc, Maruti Omni Cargo 796cc, Maruti Ritz 1197cc, Maruti Swift 1197cc, Maruti Swift Dzire 1197cc, Maruti Wagon R Stingray 998cc. Nissan Micra 1198cc, Nissan Micra Active 1198cc, Skoda Fabia 1198cc, Skoda Rapid1.2 1198cc, Tata Bolt 1193cc, Tata Indica Vista 1172cc, Tata India Zeta 1193cc, Tata Indigo ecs 1193cc, Tata Zest 1193cc, Toyoto Etios cross 1197cc, Volkswagen polo GT1.2TSI 1197cc, Volkswagen polo 1198cc, Volkswagen vento 1197cc meets Bharat Stage-IV norms.

All the registering authorities in the state are informed to verify

1. Electrical Circuit Diagram.

2. Brief description of system.

3. Technical Specification.

4. The certificate no.

- i) C A K L 0039 from the International Centre for Automotive Technology, Gurgaon, Haryana, Dt. 24/03/2015 is valid for the 3 years from the date of its issue or until further amendment in Central Motor Vehicle Rules or till the validity of Bharat Stage –IV norms whichever is earlier.
- ii) C A K L 0039 L 01 from the International Centre for Automotive Technology, Gurgaon, Haryana, Dt. 10/08/2015 is valid for the 3 years from the date of its issue or until further amendment in Central Motor Vehicle Rules or till the validity of Bharat Stage –IV norms whichever is earlier.

5. All the registering authorities in the state are hereby informed to ensure that, the following conditions are fulfilled before permitting any alteration in registration

- 1) The Registering Authorities shall at the time of registration, verify approval of the Chief Controller of Explosives (CCOE), for the Auto LPG Tank and Multifunction Valve in respect of the following in each individual case:
 - a) Specify make and identification as referred in Annexure – I & II of the certificate.
 - b) Documental reference for Quantity /Serial No. cleared by the Chief Controller of Explosives (CCOE), time to time, in respect of Auto LPG Tank.
 - c) Regarding multifunction valve, the Chief controller of Explosives (CCOE) approval to be specifically verified before installation/registration by Regional Transport Officer.
- 2) All the components of the LPG kit shall be as per the technical specification Annexure-I of ICAT certificate. The LPG air mixer is of the type & design.
- 3) Any change in the kit specifications or layout as approved under this certification shall be informed to from International Centre for Automotive Technology, Gurgaon, Haryana for approval with or without re-test.
- 4) For in-use retro-fitment, the responsibility of fitness and proper functioning of the LPG system on the vehicle including endorsement as "Operation on LPG" by the concerned Registering Authorities under this certificate lies M/s Rohan BRC GAS Equipment Pvt. Ltd, 304, Pancharatna Industrial Estate, Serkhej-Bavia Road, Changodar, Ahmedabad as per Annexure – V of AIS 025. They will also be

required to instruct the customers about their responsibilities as mentioned in para 15 of Annexure-V of AIS 025 and also about rechecking of the Auto LPG Cylinder, as prescribed by the Chief Controller of Explosives (CCOE) Nagpur.

5) Workshops authorized by the BRC ET 98 LPG Kits by M/s Rohan BRC GAS Equipment Pvt. Ltd, 304, Pancharatna Industrial Estate, Serkhej-Bavia Road, Changodar, Ahmedabad shall fulfill the requirements and the responsibilities in regard to fitment of LPG kits as per guidelines given under criteria to authorize the kit installer in Annexure-V AIS 025.

6) It is the duty of kit installer to ensure at the time of installation of the kit that each "Auto LPG Cylinder, supplied by them to customer, is the one for which valid clearance of the Chief Controller of Explosives (CCOE) is available.

7) Auto LPG Cylinder and Cylinder valve approved by the Chief Controller of Explosives (CCOE), Nagpur shall have following requirements regarding mounting conditions of Auto LPG Cylinder.

a) Auto LPG Tank shall be permanently attached to the vehicle and shall have fittings as per IS:14899(as amended from time to time)

b) Auto LPG Tank shall be correctly oriented mounting as per manufactures specifications viz. the longitudinal axis of the Auto LPG Tank is perpendicular to the vehicle longitudinal axis. The axis of the multifunction valve mounted on the empty tank when viewed from the side, makes an angle of multiple degree with the horizontal plane and the level indicator arrow is positioned to zero, to ensure that a tank is not filled beyond 80% of its water capacity.

8) The Auto LPG containers for Auto LPG when permanently fitted to the vehicle subject to following conditions:

a) The containers are fitted with multi function valve assemble approved by Chief controller of Explosives.

b) The containers are subject to periodic examination/testing once in a period of 5 years as provided under Gas cylinders Rules 2004.

c) The containers are subject to hydrostatic test at a pressure of 30 bars as required under rule 35 of the Gas cylinders Rules 2004.

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- d) The containers shall be condemned after the expiry of the service life of 15 years of the containers, as provided under Rule 36 of Gas cylinders Rules, 2004.
- e) Relevant provisions of Gas cylinders Rules, 2004 SMPU(U) Rules 1981 and Central Motor Vehicle(3rd Amendment) Rules, 2001 and (5th Amendment) Rules, 2002 are strictly complied with.

To

1. All the Deputy Transport Commissioner/Joint Transport Commissioner, Coimbatore, Madurai, Chennai(North) & (South) with a request to communicate this to the respective RTOs/MVIs and sent acknowledgement to this office.
- 2/ M/s Rohan BRC GAS Equipment Pvt. Ltd, 304, Pancharatna Industrial Estate, Serkhej-Bavia Road, Changodar, Ahmedabad.

Sd/- P.Muruganandam,
Joint Transport Commissioner
(Road Safety)/i/c

//By Order//

16/11/16
Personal Assistant to STA