

GOVERNMENT OF TAMIL NADU TRANSPORT DEPARTMENT
O/o the Transport Commissioner, Chepauk,
Chennai -5

R.NO. 39318/C2/2018

Dated:17.10.2018

CIRCULAR NO. 34/2018

Sub : Motor Vehicles – Use of LPG as fuel in Motor Vehicles – Alternate use of LPG as fuel in Motor Vehicles – alteration to Retrofitment **Lovato LPG Kits in Four wheelers-** Approval – Regarding.

Ref: Letter No.EF/TG-TC/036-D/18-19 received from Ecofuels System India Private Limited, Mumbai-400 075, dt:27.09.2018

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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 has approved Lovato RG 92 LPG Kits by Officiate Lovato Private Limited, 101, 1st Floor, Kamla Executive Park, MIDC Cross Road "B" Andheri (East), Mumbai 400 089 subject to certain conditions.

1.

S. No.	Reference of type approval & Revalidation certificate	Validity of Certificate						
			Earlier		Revalidated			
			From	To	From	To	From	To
1	ICAT/CMVR/SI2B-227(R1)K-0722 Dtd.24.08.2015 (Revalidation certificate) CAHL 0041 Dt.03.04.2012 (base certificate) issued for LPG in use base model Hyundai verna VTVT*1599 cc-June 2010 make Bharat Stage – IV	ICAT	01.04.2012	02.04.2015	03.04.2015	02.04.2018	03.04.2018	02.04.2021
Reference of layout/Extension Certificate		TA Reference			From	To	From	To
	CAHL 0041 L01	ICAT	03.04.2012	02.04.2015	03.04.2015	02.04.2018	03.04.2018	02.04.2021

2. Electrical Circuit Diagram

3. Brief description of system

4. Technical Specification

Mar AUDI – A4(1798), AUDI – A4(1984), AUDI – Q5, BMW – 3 Series 3201, CHERVROLET – AVEO(1399), CHERVROLET – AVEO(1598), CHERVROLET – OPTRA(1598), FIAT – GRAND PUNTO, FIAT LINEA, FIAT – PALIO STILE, FORD – FIESTA 1.6, FORD – IKON, HM – AMBASSADOR, HONDA – CITY, HONDA – CIVIC, HONDA CRV, HYUNDAI – ACCENT, HYUNDAI – 120, MAHINDRA LOGAN 1.4, MAHINDRA LOGAN 1.6, MARUTI – GYPSY, MARUTI – SX4, MERCEDES BENZ-C CLASS, MITSUBISHI – CEDIA, MITSUBISHI – LANCER, SKODA FABIA, SKODA – OCTAVIA, SKODA – SUPERB, TATA – INDIGO MARINA, TATA – INDIGO MANZA, TOYOTA – COROLLA ALTIS, TOYOTA – ETIOS, TOYOTA – INNOVA, VOLKSWAGEN – BEETLE, VOLKSWAGEN – PASSAT, VOLKSWAGEN – POLO, VOLKSWAGEN – JETTA, VOLKSWAGEN – VENTO, NISSAN – SUNNY.

5. The Certificate No.

C A H L 0041 R02 Dt.17.09.2018 is valid for the 3 years from the date of issue or until further amendment in Central Motor Vehicle Rules or till the validity of Bharat IV norms whichever is earlier.

6. All the Registering Authorities in the State are hereby informed to ensure that, The following conditions are fulfilled before permitting any alteration in Registration.

- i) The Registering Authorities shall at the time of registration, verify approval Of the chief of Explosives (CCOE), for the Auto LPG Tank and Multifunction. Value in respect of the following | each individual case.
- ii) Specify make and identification as referred in Annexure- III of the Certificate
- iii) Documental reference for quantity /Serial No cleared by the Chief Controller Of Explosives (CCOE),time to time, in respect of Auto LPG Tank.
- iv) Regarding multifunction value, the Chief Controller of Explosives (CCOE) Approval to be specifically verified before installation/registration by Regional Transport Officer.

- v) All the components of the LPG Kit shall be as per the technical specification annexure -1 of International Centre for Automotive Technology certificate. The LPG air mixer is of the type & design.
- vi) Any change in the kit specifications or layout as approved under this Certification shall be informed to from International Centre for Automotive Technology, Gurgram, Haryana for approval with or without re-test.
- vi) 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 Lovato RG 92 LPG kits by officiate Lovate Private Limited, 101, 1st Floor, Kamla Executive Park, MIDC Cross Road, "B" Andheri (east) Mumbai – 400 089 as per Annexure V of AIS 025 D1. They will also be required to instruct the customers about their responsibilities as mentioned in para 15 of Annexure-V of AIS 025 01 and also about rechecking of the Auto LPG Cylinder, as prescribed by the Chief Controller of Explosives (CCOE) Nagpur.

- 7. Workshops authorized by the M/s Lovato RG 92 LPG kits by officiate Lovato Private Limited, 101, 1st Floor, Kamla Executive Park, MIDC Cross Road, "B" Andheri (east) Mumbai – 400 089 shall Fulfil the requirements and the responsibilities in regard to fitment of LPG kits As per guidelines given under criteria to authorize the kit installer in-V AIS 025 D1
- 8. 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
- 9. Auto LPG cylinder and cylinder value approved by the Chief Controller of Explosives (CCOE), Nagpur Shall have following Requirements regarding mounting conditions of Auto LPG Cylinder
- 10.
 - 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 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 multi Function 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.

- i) The Auto LPG containers for Auto LPG when permanently fitted to the vehicle subject to following conditions: The containers are fitted with multi function valve assembly approved by chief controller of Explosives.
- ii) The containers are subject to periodic examination/testing once in a period of 5 years as provided under Gas cylinders Rules 2004
- iii) The containers are subject to hydrostatic test at a pressure of 30 bars as required under rule 35 of the gas cylinders Rules 2004.
- iv) 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
- v) 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.


Sd/- Pon. Senthilnathan
Deputy Transport Commissioner-II(i/c)

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 Lovato RG 92 LPG kits by officiate Lovate Private Limited, 101, 1st Floor, Kamla Executive Park, MIDC Cross Road, "B" Andheri (east) Mumbai – 400 089.
3. S.K. Gas point, 4/405, 3rd Cross Street, Rayala Nagar, Ramapuram, Chennai – 89.

//By Order//


Personal Assistant to STA


17.10.18