

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

R.NO. 41300/C2/2018
CIRCULAR NO: 35 /2018

Dated: 15.11.2018

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/038-D/18-19 received from Ecofuels System India Private Limited, Mumbai-400 075, dt:15.10.2018

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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 RGJ-3/LOVATO OBD II LPG Kits by Officine Lovato Private Limited, 101, 1st Floor, Kamla Executive Park, MIDC Cross Road "B" Andheri (East), Mumbai 400 089

Subject to certain conditions,

The Extension validity of Certificate. No.CAKL/0116/R01 issued by the International Centre for automotive technology, Gurgaon-122 dt.10.10.2018 is revalidated to the following.

Extension of Validity

S. No.	Reference of type approval & Revalidation certificate	Validity of Certificate				
		ICAT	Earlier		Revalidated	
			From	To	From	To
1	CAKL0116 Dt.25.08.2015(Base Certificate) issued for LPG In-use base model "maruti Wagon R Stingray Vxi" 998 cc August 2013 make- Bharat Stage IV	ICAT	25.08.2015	24.08.2018	25.08.2018	24.08.2021
Reference of layout/Extension Certificate		Reference		From	To	
1	CAKL0116L01	ICAT	31.08.2015	24.08.2018	25.08.2018	24.08.2021
2	CAKL0116L02		22.09.2015			
3	CAKL0116L03		27.06.2016			
	CAKL0116L04		04.05.2017			

1. The reference type approval certificate earlier issued in CAKL0116 Dt.25.08.2015 (Base Certificate) issued for LPG in use base model "maruti Wagon R Stingray Vxi" 998 cc August 2013 make- Bharat Stage IV norms. This certificate is earlier revalidated from 25.08.2015 to 24.08.2018 and then revalidated from 25.08.2018 to 24.08.2021 by the certificate No. CAKL/0116/R01 dated. 10.10.2018.
2. The reference of layout certificate/extension certificate earlier issued in CAKL0116L01, Dt.31.08.2015 in respect of vehicle such as Chevrolet-Beat 1199cc, Chevrolet-Spark 995cc, Fiat-Grande punto 1172cc, Ford-Figo1196cc, Hyundai-i10 1086cc, Hyundai-i10 1197cc, Hyundai-i20 1197cc, Hyundai-Santro 1086cc, Maruti-Alto 796cc, Maruti-Alto K10 998cc, Maruti-A Star 998cc, Maruti- EECO(5Seater) 1196cc, Maruti-EECO(7Seater, 1196cc), Maruti-Omni(5seater) 796cc, Maruti Omni(8Seater) 796cc, Maruti-Ritz 1197cc, Maruti-swift 1197cc, Maruti-Swift Dzire 1197cc, Nissan Micra 1198cc, Skoda Fabia 1198cc, Tata Indigo Cs 1193cc, Volkswagen Polo 1198cc, Honda Brio 1198cc, Hyundai Eon 814cc, Renault Pulse 1198cc, Totota Etios Liva 1198cc, Premier Rio 1173cc meets Bharat Stage IV norms. This certificate is revalidated from 25.08.2018 to 24.08.2021 by the ICAT certificate No. CAKL/0116/R01 dated. 10.10.2018.
3. The reference of layout certificate/extension certificate earlier issued in CAKL0116L02, Dt.22.09.2015 in respect of vehicle such as Chevrolet Sail 1199cc, Chevrolet Sail Uva 1199cc, Datsun Go 1198cc, Datsun Go Plus 1198cc, Fiat Punto Evo 1172cc, Ford Figo Aspire 1196cc, Honda

Amaze1198cc, Honda Jazz 1198cc, Hyundai I10 Grand1197cc, Hyundai Xcent1197cc, Maruti Alto 800 796cc, Maruti Celerio 998cc, Maruti Eeco Ambulance 1196cc, Maruti Eeco Cargo 1196cc, Maruti Omni Ambulance 796cc, Maruti Omni Cargo796cc, Maruti Zen Estilo 998cc, Tata Bolt 1193cc, Tata Zest 1193cc, Toyota Etios Cross 1197cc, Volkswagen cross Polo 1198cc, Volkswagen Vento 1197cc meets Bharat Stage IV norms. This certificate is revalidated from 25.08.2018 to 24.08.2021 by the ICAT certificate No. CAKL/0116/R01 dated. 10.10.2018.

4. The reference of layout certificate/extension certificate earlier issued in CAKL0116L03, Dt.27.06.2016 in respect of vehicle such as Tata Tiago 1199cc, Maruti Baleno 1197cc, Renault Kwid 799cc, Mahindra Kuv 100 1198cc, Volkswagen Ameo 1197cc meets Bharat Stage IV norms. This certificate is revalidated from 25.08.2018 to 24.08.2021 by the ICAT certificate No. CAKL/0116/R01 dated. 10.10.2018.
5. The reference of layout certificate/extension certificate earlier issued in CAKL0116L04, Dt.04.05.2017 in respect of vehicle such as Datsun Redi Go 799cc, Honda Wr-V 1199cc, Hyundai Eon 998cc, Maruti Ignis 1197cc, Renault Kwid 999cc, Tata Tigor 1199cc meets Bharat Stage IV norms. This certificate is revalidated from 25.08.2018 to 24.08.2021 by the ICAT certificate No. CAKL/0116/R01 dated. 10.10.2018.
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 I 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.
 - vii) 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 LOVATO RGJ-3/LOVATO OBD II LPG Kits by Officine Lovato 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 D1 and also about rechecking of the Auto LPG Cylinder, as prescribed by the Chief Controller of Explosives (CCOE) Nagpur.
7. Workshops authorized by Officine 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

- 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.

10.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.
- 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 1981and 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 Officine Lovate Private Limited, 101, 1st Floor, Kamla Executive Park, MIDC Cross Road, "B" Andheri (east) Mumbai - 400 089.
3. Ecofuels System India Private Limited, B.101 Bellona Building, No.1, 90 Ft Road, Ghatkopar (East) Mumbai-400 075..
4. S.K. Gas point, 4/405, 3rd Cross Street, Rayala Nagar, Ramapuram, Chennai - 89.

//By order//

Justina
15/11/18
Personal Assistant to STA

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