

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

R.NO. 38829/C2/2018
 CIRCULAR NO:33/2018

Dated:17.10.2018

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

Extension of Validity

S. No.	Reference of type approval & Revalidation certificate	Validity of Certificate						
		Earlier		Revalidated				
		From	To	From	To	From	To	
1	ARAI/CMVR- LPG (in use) 2646B(E4589)2011-056 Dated 24.03.2011 (base Certificate) issued for LPG Use base model "Maruti Zen Estilo XI"998 cc March 2010 make meets Bharat Stage - IV norms	ICAT			24.03.2014	23.03.2017	24.03.2017	23.03.2018
		ARAI	24.03.2011	23.03.2014				

Reference of layout/Extension Certificate		Reference	From	To	From	To
1	ICAT/CMVR-LPG(LAYOUT-01)594/G-0199	ICAT	04.04.2011			
2	ICAT/CMVR/2646B-010(E1)/H-0267		04.05.2012	23.03.2014	24.03.2014	23.03.2017
3	ICAT/CMVR-LPG(LAYOUT-02)407/I-0835		30.10.2013			24.03.2017
						23.03.2020

1) The reference type approval certificate earlier issued in ARAI/CMVR-LP (in use)/2646B(E4-589)/2011-056 dated 24.03.2011 (Base Certificate) issued for LPG in use base model "Maruti Zen Estilo LX1"998 cc March 2010 make Bharat Stage IV norms. This certificate is earlier revalidated from 24.03.2011 to 23.03.2014 and then revalidated from 24.03.2014 to 23.03.2017 by the certificate no ICAT/CMVR/2646B-482(R1)/J-0241 dated 15.03.2014 and then revalidated from 24.03.2017 to 23.03.2020

2. Technical Specification

Mar In-Use base model "Maruti Zen Estilo LXI"998 cc-March,2010 make-Bharat Stage-IV norms. and its variants Chevrolet-Beat, 1199cc, Chevrolet-Spark, 995cc, Chevrolet U-VA, 1150cc, Fiat-Grande punto,1172cc,Fiat-Palio stile,1108cc,Ford-Figo,1196cc,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, Skoda Fabia 1198cc, Nissan Micra, 1198cc, Tata Indica Vista 1172 cc, Maruti-swift, 1197cc,Maruti-Swift Dzire,1197cc, Tata-Indigo CS, 1193cc, Volkswagen-polo, 1198cc meets Bharat Stage-IV norms and its variants Honda Brio,1198cc,Hyundai Eon,814cc, Maruti Alto, 796cc, Renault Pulse,1198cc,Toyota Etios Liva,1198cc,Premiur Rio,1173 cc meets Bharat Stage-IV norms.

3. 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 ¹¹ by the concerned Registering Authorities

Under this certificate lies 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 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 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 ¹¹Auto 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 value assemble 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

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17/10/18