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GOVERNMENT OF NATIONAL CAPITAL TERRITORY OF DELHI  
 TRANSPORT DEPARTMENT: OPERATION BRANCH  
 5/9, UNDER HILL ROAD: DELHI - 110054.

No. F. 20(95)/TPT/OPS/2011/ 1163-66

Dated 18, May 2016

**CIRCULAR**

Handwritten notes: *26/5/16*, *26/5/16*

The Competent Authority is pleased to allow the extension of validity of following layout plans for retro fitment kit "**LOVATO AUTO GAS**" of M/s. Lovato Gas S.p.A, Italy, C/o Officine Lovato Private Limited, Unit No. 101, 1st Floor, Kamla Executive Park, MIDC Cross Road "B", Andheri (East), Mumbai-400069 in the following "in-use" **gasoline** vehicles models issued by ICAT vide certificate No. ICAT/CMVR/285B-662(R1)/L-0112 dated 01/02/2016.

S. No.	Extension TA Certificate Reference of Type Approval	ICAT/CMVR/285B-662(R1)/L-0112 dated 01/02/2016			
		Validity of Certificate			
		Earlier		Revalidated	
		From	To	From	To
1	CAHA 0098 Dt. 15.10.2012 (Base Certificate) issued for CNG in-use base model "Toyota Innova" 1998 cc - (August 2005 make) - Bharat Stage - III	15.10.2012	14.10.2015	15.10.2015	14.10.2018
Reference of Layout/Extension Certificates		From	To	From	To
1	CAHA 0098 L01	31.10.2012	14.10.2015	15.10.2015	14.10.2018
2	CAHA 0098 E01	26.08.2014	14.10.2015	15.10.2015	14.10.2018

Compliance of Mass Emission Standards & Validity: (Ref. 115B A. (II) Clause (a) (iv), as per GSR 84(E) dt. 09.02.2009.	
The CNG converted "In-Use" base model " <b>Toyota Innova</b> " 1998 cc ( <b>August 2005 make</b> ) fitted with O.E. Catalytic Converter" meets the <b>Bharat Stage-III</b> norms. Same kit can therefore be fitted on the MPFI vehicles fitted with O.E. Catalytic Converter between stipulated Engine cylinder capacity range (1498.5 to 2497.5 cm <sup>3</sup> ) manufactured / registered from <b>01<sup>st</sup> January 2005 till the validity of Bharat Stage III norms</b> , subject to specific approval, for layout plan by ICAT, for retro-fitment of CNG kit in each vehicle model.	
2. All conditions and compliance requirements, in respect retro-fitment of CNG kit, given in the certificates referred above, remain unchanged.	
ICAT Case ref:	2015-662 (IOCS No. : 42094)
Emission test report:	Toyota Innova CT0PL 0014 Dt. 07.01.2016 (Everest Kanto Cylinder-Toyota Cat Con - Denso Spark Plug)

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1. Details of CNG Cylinder										
CNG Cylinder	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8	Option 9	Option 10
Manufacturer	M/s. Confidence Petroleum India Ltd.,	M/s. Lizer Cylinders Ltd.	M/s. Everest Kanto Cylinder Ltd.,	M/s. Maruti Coatsu Cylinders Pvt. Ltd.	M/s. Sahuwala High Pressure Cylinder P. Ltd.,	M/s. Rama Cylinders Ltd.,	M/s. Jay Fe Cylinder Ltd.	M/s. Nitin Cylinders Ltd.,	M/s. EURO India Cylinders Ltd.	M/s. Sarju Impex Limited
Capacity, Ltr.	60,65 & 70 (Dia:325/356 mm)	60,65 & 70 (Dia:355.6 mm)	60,65 & 70 (Dia:316 /323.8/356 mm)	60,65 & 70 (Dia:356 mm)	60,65 & 70 (Dia:325 mm)	60, 65 & 70 (Dia:317/323.8/356 mm)	60, 65 & 70 (Dia:317/356 mm)	60, 65 & 70 (Dia:316 /325/356 mm)	60,65 & 70	60,65 & 70
2. Details of Cylinder Valves										
Cylinder Valve	Option 1			Option 2			Option 3			
Name of the manufacturer	M/s Emer s.r.l, Italy			M/s. Tekno Valves			M/s. OMB Saleri SpA, Italy			
Model Name / Identification	119 Type /Tipovalve DGM 51684 GM Quarter turn Shut – off valve			Tekno Quarter turn Shut – off valve			ALFA / OMB Manual Shut – off valve			

3. Details of Refueling Valves		
Name of the manufacturer	M/s Emer s.r.l, Italy	M/s. OMB Saleri SpA
Model Name / I.D/Type	Emer / DGM 41037 GM Quarter Term Shut off Valve	Omb / 110R-000097 Quarter Term Shut off Valve

4. Details of Pressure Regulator	
Name of the manufacturer	Lovato S p A Italy
Model Name / Identification/Type	LOVATO/RM13 CNG Electronic Reducer
5. Details of Catalytic converter	
Name of Manufacturer	OE fitted
Model Name / Identification No.	Toyota / T31 / U56
6. Details of Gas Air Mixer	
Name of the manufacturer	N.A./GAS INJECTOR DRIVEN
Model Name / ID / Type	JP type / 67R010194
7. Details of Pressure Indicator	
Name of the manufacturer	WIKI, Italy Minda Industries
Identification / Type	Wika / Analogue Type Minda Impco / Analogue Type
8. Details of Service shut off valve	
Name of the manufacturer/ Identification / Type	Emer S.r.l Nil / Quarter Turn Shut off Valve

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10/9/06

Kit Manufacture/Supplier/Distributor is directed to ensure the strict compliance of CMV Rules 1989. The retro-fitment should be carried out by the authorized workshops only. Further, approval is accorded subject to ensuring fitment of same components; parts/assemblies etc. details of which are given in the detailed specification duly endorsed by the ICAT, at the time of submission of vehicle for inspection/endorsement of CNG in registration certificate.

**The Kit Manufacture/ Installer must comply with Annexure-II to the TAC No CAHA 0098 dated 15/10/2012 and also invariably enclose certified copy of CNG specifications along with CNG installation certificate (Annexure VI) and checklist (Annexure-VII) of AIS: 024 and specific layout plan of model approved by ICAT.**

All MLOs/Registering Authorities shall, at the time of endorsement of CNG fuel in registration certificate, verify the CCoE approval for the CNG cylinder and cylinder Valve, in respect of make / identification number (as referred in Technical Specification of CNG system endorsed by ICAT) and documental reference for quantity / Sr. No. cleared by DoE, time to time. Further, it should also be ensured that the fitment of kit must be in accordance with the layout plan for fitment, terms & condition and validity given in the type approval certificate subject to fulfillment of provisions of Motor Vehicle Act, 1988 and Rules made there under and department instruction / order issued from time to time in this regard.


(MAHARAJ SINGH)  
MVI (OPS)

No. F. 20(95)/TPT/OPS/2011/ 1163-66

Dated /8, May 2016

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department
2. M/s. Lovato Gas S.p.A, Italy, C/o Officine Lovato Private Limited, Unit No. 101, Ist Floor, Kamla Executive Park, MIDC Cross Road "B", Andheri (East), Mumbai-400069.
3. S.A (Computer) for uploading on the website
4. Guard File

  
(MAHARAJ SINGH)  
MVI (OPS)