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

No. F. 22(05)/TPT/OPS/2013/ 1590-93

Dated 10 June 2016

CIRCULAR

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, No. 89, Bishop Garden, Greenways Road, Chennai - 600028 in the following "in-use" gasoline vehicles models issued by ICAT vide certificate No. ICAT/CMVR/753B-976(R2)/L-0428 dated 05/04/2016 .

S. No.	Extension of Validity TA Certificate Reference of Type Approval & Revalidation Certificate	ICAT/CMVR/753B-976(R2)/L-0428 dated 05/04/2016						
		Validity of Certificate						
		Earlier		Revalidated				
		From	To	From	To	From	To	
1	ICAT/CMVR/753B-403(R1)/I-0023 DT.07.01.2013 ARAI/CMVR-CNG(in-use)/753B(E3)-589/2007-085(R1) dt. 26.03.2010 (Revalidation Certificate) ARAI/CMVR-CNG(In-Use)/753B(E3-589)/2007-085 dt. 02.02.2007 (Base Certificate) issued for CNG in-use base model "Maruti Baleno Lxi" 1590 cc - May 2005 make - Bharat Stage - III	ARAI	02.02.2007	01.02.2010	--	--	-	-
		ICAT	02.02.2010	01.02.2013	--	--	02.02.2013	01.02.2019
Reference of Layout/Extension Certificates		ARAI reference		ICAT Revalidated				
1	ARAI/CMVR-CNG(in-use)/Kit Components E1 -932/2008-833	31.12.2008						
2	ARAI/CMVR/1503/2008-143 (Change in company's name)	26.02.2008						
3	ARAI/CMVR-CNG(in-use)/753 E1-2146/2010-189	12.11.2010						
4	ICAT/CMVR/753B-475(E1)/H-0004	03.01.2012						
5	ARAI/CMVR/CNG (Layout-1) /753B-1394/2007-172	06.03.2007	01.02.2010	02.02.2013	01.02.2016	02.02.2016	01.02.2019	
6	ARAI/CMVR/CNG (Layout-2) /753B-328/2007-553	18.07.2007						
7	ARAI/CMVR/CNG (Layout-3) /753B-745/2007-888	13.11.2007						
8	ARAI/CMVR/CNG (Layout-4) /753B-1538/2008-174	12.03.2008						
9	ARAI/CMVR/CNG (Layout-5) /753B-1676/2008-293	21.05.2008						
10	ARAI/CMVR/CNG (Layout-6) /753B-1453/2009-064	12.03.2009						
11	ICAT/CMVR/CNG(Layout-1)/505/I-0021	07.01.2013						
12	ICAT/CMVR/753B-403(R1)/304-E1/J-0723	26.08.2014						

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Compliance of Mass Emission Standards & Validity: (Ref. 115B A. (II) Clause (d) (iii), Note-7 & explanations (d) as per GSR 589(E)

The CNG converted "In-Use" base model " **Maruti Baleno Lxi**" **1590 cc – May 2005 make**) fitted with O.E. Catalytic Converter" meets the **Bharat Stage-III** norms. Same kit can therefore be fitted on the MPFI vehicles fitted with O.E. Catalytic Converter between stipulated Engine cc range (1192.5 to 1987.5 cm³) manufactured / registered from **01st January 2005 till the validity of Bharat Stage III norms**, 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:	2015-976 (IOCS No. : 43936)
Emission test report:	CTOPL 0210 Dt. 25.03.2016 Maruti Baleno (Nitin Cylinder - Suzuki Cat Con – Champion Spark Plug) (P-373/C)

1. Details of CNG Cylinder

CNG Cylinder	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Manufacturer	M/s. Faber, Italy	M/s. Lizer Technologies 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 Pvt. Ltd.,
Capacity, Ltr.	45, 55 & 60	60 & 65	45,50,55,58,60 & 63	45,50,55 & 60	55, 60 & 65	50, 55, 60 & 65
CNG Cylinder	Option 7	Option 8	Option 9	Option 10		
Manufacturer	M/s. Jay Fe Cylinder Ltd	M/s. Nitin Cylinders Ltd.,	M/s. Confidence Petroleum India Ltd.,	M/s. Sarju Impex Limited		
Capacity, Ltr.	45, 50, 55, 60 & 65	45, 50, 55, 60 & 65	45, 50, 55, 60 & 65	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 /Identification Name	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
Model Name / I.D./Type	DGM 41037 GM Quarter Turn Shut off Valve

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4. Details of Pressure Regulator		
Name of the manufacturer	Officine Lovato S p A Italy	
Model Name / Identification/Type	LOVATO/RME CNG Electronic Reducer	
5. Details of Catalytic converter		
Name of Manufacturer	Suzuki Futaba (OE fitted)	
Model Name / Identification No.	60G1	
6. Details of Gas Air Mixer		
Name of the manufacturer	Officine Lovato S p A, Italy	
Model Name / ID / Type	LOV-IM 05 / Venturi type	
7. Details of Pressure Indicator		
Name of the manufacturer	WIKA, Italy	Minda Industries Ltd.
Identification / Type	Wika / Analogue Type	Minda Impco / Analogue Type
8. Details of Service shut off valve		
Name of the manufacturer/	Emer S.r.l	
Identification / Type	Nil / Quarter Turn Shut off Valve	

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 ARAI / 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. ARAI/CMVR-CNG(In-Use)/753B(E3-589)/2007-085 dt. 02.02.2007 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 ARAI / 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. 22(05)/TPT/OPS/2013/ 1590-93

Dated 10 June 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, No. 89, Bishop Garden, Greenways Road, Chennai - 600028.
3. S.A (Computer) for uploading on the website
4. Guard File

(MAHARAJ SINGH)
MVI (OPS)