

2165/CB/TPP

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

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 04/03/16
 m/s Kajalji

No. F.23(740)/TPT/Ops/2012/CD No. 075292477/ 6527-31 Dated :01/03/2016

CIRCULAR

The Competent Authority is pleased to grant the approval for endorsement of CNG Kit identification "Automoto" manufactured by M/s. AUTOMOTO Sequential Systems, T-2/188, Mangolpuri Industrial Area, Phase-1, Delhi-110083, for retro fitment on MPFI "in-use" gasoline vehicles between stipulated engine cylinder capacity range (897.75 to 1496.25 cc) fitted with OE catalytic converter as part of CNG Kit, manufactured / registered from 01st April 2010 till the 31/03/2013. The CNG Kit is dully approved by the designated agency i.e ICAT, Manesar, Gurgaon for compliance to the Central Motor Vehicles Rules. The details of CNG Kit are given hereunder:-

Vehicle manufacturer / Model retrofitted/Month & Year of Manufacture/ Regn.		Approved by the Testing Agency vide Certificate no.			
Vehicle Manufacturer : M/s. Maruti Udyog Limited MODEL/Make : Maruti Swift LXI BS4" (July 2010 make), Type/Seating capacity: Passenger Car/5 persons Engine Power/Capacity : 64kW@6000 rpm /(1197 CC) Engine CM3 Range : 897.75 to 1496.25 Emission Norms : BS-IV GVW kg. : 1435 Make (CNG Kit) : M/s. AUTOMOTO Sequential Systems CNG Kit Identification : Automoto		Certificate No. CAKA 0191 dated 18/12/2015 Case No. 2015-584 (IOCS Ref. 41617) Emission Test Report No. : CT0PK 0487 Dt. 26.11.2015 (Everest Kanto Cylinder - Suzuki Cat Con - NGK Spark Plug)			
The testing agency has certified that the above CNG converted "in-use" gasoline vehicle model complies with the relevant provisions of CMVR, 1989 as detailed in ANNEXURE-I to TAC No. CAKA 0191 including following requirements :					
Mass Standards	Emission	Notification No. & Date	Effective from	To	CMV Rule
CNG (for in-use Gasoline Vehicles) Type Approval norms for Petrol Vehicles	Idling CO & NHMC	GSR 853 (E) dt. 19.11.2001	19.05.2002	Till further amendment	115 B A (II)
		GSR 111(E) dt. 10.02.2004	01.10.2004		115 (2) (i)
	BS-IV (For Notified Areas)	GSR 84 (E) dt. 09.02.2009	01.04.2010		115 (14) (G), 115 (a), (b) (i)
		GSR 443 (E) dt. 21.05.2010	01.06.2010		
		GSR 504 (E) dt. 21.05.2010	01.10.2014		
Compliance of Mass Emission Standards & Validity (Ref. 115B.A.(ii) Clause (iv), as per GSR 84(E) dt. 09.02.2009					

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Validity :-

1. The above CNG converted "In-Use" base model "Maruti Swift LXI BS4" (July 2010 make), retrofitted with Automoto CNG KIT fitted with O.E. Catalytic Converter, meets the Bharat Stage – IV norms. Same kit can therefore be fitted on the MPFI vehicles fitted with O.E. Catalytic converter, between stipulated Engine cylinder capacity range (897.75 to 1496.25 cm³) manufactured / registered from 01st April, 2010 till the 31st March, 2013 subject to specific approval, for layout plan by ICAT, for retro fitment of CNG kit in each vehicle model.
2. This Certificate is valid for 3 years from the date of its issue of base type approval certificate no. CAKA 0191 dated 18th December 2015 or until further amendment in CMVR Rules, whichever is earlier.

3. Details of CNG Cylinders

CNG Cylinder	Option 1	Option 2	Option 3	Option 4	Option 5
Manufacturer	M/s. Everest Kanto Cylinder Ltd.	M/s. Associate High Pressure Technologies Pvt. Ltd.	M/s. Sarju Impex Ltd.	M/s. Rama Cylinders Ltd.,	M/s. Sahuwala High Pressure Cylinder P. Ltd.,
Capacity, Ltr.	60, 65,70 Ltr. (Dia: 316mm and 356 mm)			60, 65,70 Ltr. (Dia: 317mm and 356 mm)	60, 65,70 Ltr. (Dia: 316mm)

4. Details of Cylinder Valves

Cylinder Valve	Option 1	Option 2
Name of the manufacturer	M/s. Batra Associate Ltd.	M/s. OBM Saleri S.p.A., Italy
Model Name / Identification	BV/CNG-1/000	Alfa / 122 779

5. Details of Refilling Valves

Refilling Valve	Option 1	Option 2	Option 3
Name of the manufacturer	EMER S.r.l	M/s. OBM Saleri S.p.A., Italy	Automoto Sequential Systems
Model Name / I.D/Type	DGM41037GM / NZS	AGRO (NZ)/built in excess flow valve	Automoto / NZS

6. Details of Pressure Regulator

Name of the manufacturer	Mijo Auto Gas Pvt. Ltd. (TAC : CF2941)
Model Name / Identification/Type	Automoto / Model No. S1209/ 2-stage with electronic starting device

7. Details of Catalytic converter

Manufacturer/Model / ID	OE fitted Suzuki (83K-MO2-SUZUKI-FMI)
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8. Details of Pressure Indicator

Name of the manufacturer	Automoto
Identification / Type	CNG-Bottom Mounting / Manometer Type

9. Details of Service shut off valve		
Name of the manufacturer	M/s. Batra Associates Ltd.	OMB Saleri S.p.A.
Identification / Type	CM/L1224936, Toggle Knob Type	198/1, Toggle Knob Type

Kit Manufacture/Supplier/Distributor is directed to ensure the strict compliance of CMV Rules 1989, as amended from time to time. The retro-fitment shall 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.

The Kit Manufacture/ Installer must comply with Annexure-II to the TAC No CAKA 0191 dated 18/12/2015 and also invariably encloses certified copy of 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/CMVI 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, from 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.

(PRAWIN DESAI)
MLO (OPS)

No. F.23(740)/TPT/Ops/2012/CD No. 075292477/ 6527-31 Dated :01/03/2016

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. M/s. AUTOMOTO Sequential Systems, T-2/188, Mangolpuri Industrial Area, Phase-1, Delhi-110083.
3. S.A (Computer) for uploading on the website of the department.
4. Guard File.

(PRAWIN DESAI)
MLO (OPS)