

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

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No. F. 20(88)/Tpt./Ops./2003/PF.II/CD No.075367081/ 1155-58 Dated: May 18, 2016

CIRCULAR

The Competent Authority is pleased to grant the approval for endorsement of CNG Kit identification "HAG-111" manufactured by M/s. Clenfuels Kits Pvt. Ltd., E-1, Maharani Plaza, Ashram, New Delhi-110014, for retro fitment on MPFI "in-use" gasoline vehicles between stipulated engine cylinder capacity range (795.75 to 1326.25 CC) fitted with OE catalytic converter as part of CNG Kit, manufactured / registered from 01st January, 2005 till the validity of BS III norms. 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 : Maruti Udyog Limited MODEL/Make : Maruti Wagon R (August, 2005) Type/Seating capacity: Passenger Car/4 persons Engine Power/Capacity : 43.51kW@6000 rpm /(1061 CC) Emission Norms : BS-III GVW kg. : 1215 Make (CNG Kit) : M/s. Clenfuels Kits Pvt. Ltd. CNG Kit Identification : HAG-111 Applicable Engine Range : (795.75 to 1326.25 CC)	Certificate No. CALA 0003 dated 05/01/2016 Case No. 2015-424 (IOCS Ref. 40659) Emission Test Report No. : CT0PK 0523 Dt. 26.12.2015 (Nitin 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. CALA 0003 dated 05/01/2016 including following requirements :

Mass Standards	Emission	Notification No. & Date	Effective from	To	CMV Rule
CNG (for in-use Gasoline Vehicles) (as amended by notification 84(E))		GSR 853 (E) dt. 19.11.2001	19.05.2002		115 B A (II)
Type Approval norms for Petrol Vehicles	Idling CO & NMHC	GSR 111(E) dt. 10.02.2004	01.10.2004	Till further amendment	115 (2) (i)
	Bharat Stage-III (For Notified Areas)	GSR 589 (E) dt. 16.09.2005	01.01.2005		115 (14) A

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 Wagon R**" (August 2005 make), fitted with **HAG-111** CNG KIT 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 cylinder capacity range (795.75 to 1326.25 cm³) **manufactured / registered from 01st January, 2005 till the validity of BS III norms**, 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 issue of base type approval certificate No. CALA 0003 dated 05/01/2016** or until further amendment in CMVR Rules, whichever is earlier.

1. Details of CNG Cylinders

CNG Cylinder	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7
Manufacturer	M/s. Nitin Cylinders Ltd.,	M/s. Maruti Coatsu Cylinders Pvt. Ltd.	M/s. Sahuwala High Pressure Cylinder P. Ltd.,	M/s. Rama Cylinders Ltd.,	M/s. Lizer Cylinders Ltd.	M/s. Confidence Petroleum India Ltd.,	M/s. Everest Kanto Cylinder Ltd.,
Capacity, Ltr.	60, Ltr. (Dia:325mm)			60, Ltr. (Dia : 356mm)		60, Ltr.(Dia: 323.8 mm)	

2. Details of Cylinder Valves

Cylinder Valve	Option 1	Option 2	Option 3
Name of the manufacturer	M/s Emer.Srl. Itly	M/s tekno valve Kolkata	M/s. Batra Valve, New Delhi
Model Name /Identification	Emer/119 Toggle type	TV/DR-1096/2003 Rotary	BV/007-00/G.3(40)87 Hand Wheel

3. Details of Refilling Valves

Name of the manufacturer	Benzo Triana
Model Name / I.D/Type	N.Z.S/ Exon

4. Details of Pressure Regulator

Name of the manufacturer	M/s Hovel Auto Gas	
Model Name / Identification/Type	HAG 111 (Sr.No.0005)/ Hovel CX / Electronic	COP-CC0CK 0534, Dt. 05.03.2015

5. Details of Pressure Indicator

Name of the manufacturer	M/s Wika
Identification / Type	Wika/CNG/005 / Mechanical Dial Gauge

6. Details of Service shut off valve

Name of the manufacturer	M/s Emer Srl. Italy
Identification / Type	Manual Three Way

7. Details of Catalytic convertor

Name of the manufacturer	Suzuki
Identification / Type	9F CO 1 /Three Way

8. Details of Gas Air Mixer

Name of the manufacturer	M/s. Hovel Auto Gas
Identification / Type	HAGM00301 - Venturi

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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 CALA 0003 dated 05/01/2016 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/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.

(MAHARAJ SINGH)
MVI (OPS)

No. F. 20(88)/Tpt./Ops./2003/PF.II/CD No.075367081/ 1155-58 Dated: May 18 2016

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. M/s. Clenfuels Kits Pvt. Ltd., E-1, Maharani Plaza, Ashram, New Delhi-110014.
3. S.A (Computer) for uploading on the website of the department.
4. Guard File.


(MAHARAJ SINGH)
MVI (OPS)