

1991/CB/11/14.12.13

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

No. F. DC/OPS/TPT/195/2013 / 5845-48

Dated 14/12/13

CIRCULAR

The Competent Authority is pleased to grant the approval of CNG Kit identification "ACE/KNGC" manufactured by M/s ACE Gas Conversions Pvt. Ltd., A/101, Armut Industrial Estate, Behind TCI Transport Western Highway, Opp. Vasani Petrol Pump, Micra Road (E), Thane-401104 for retro-fitting on "in-use" gasoline vehicles manufactured/registered from 01st January 2005 till the validity of BS-III norms falling within the stipulated engine capacity $\pm 25\%$ (795.75 to 1326.25 cm³). The CNG Kit is duly approved by the designated agencies i.e ICAT, Manesar, Gurgaon for compliance to the Central Motor Vehicles Rules. The details of CNG Kit are given hereunder.

| With reference to Base Type Approval Certificate No. CAJA 0045 dated 28 th March 2014 issued by designated testing agency ICAT, Manesar, Gurgaon and on the basis of layout plans submitted by the manufacturer/ kit supplier/ retrofitter, the ICAT has certified that retro-fitting of CNG kit ACE/KNGC on the following MPFI 'in-use' vehicle models fitted with catalytic converter, falling within the stipulated engine range (795.75 to 1326.25 cm ³) as per layout plan comply with provisions of Central Motor Vehicles Rules 1989, as amended from time to time:- | | | Approved by the Testing Agency vide certificate No. |
|--|-------------------------|------------|---|
| | | | Certificate No. CAJA 0045 L02 dated 07 th September 2015 Case No. : 2015-387 (IOCS No. : 40364) Layout Reference No. CAJA 0045 L01 Dt. 09.05.2014 Emission Test Report No. CTOPJ 0068 Dt.19/02/2014 |
| S.No. | Model | Engine cm3 | Vintage of Vehicles |
| 1 | CHEVROLET BEAT | 1199 | 1 st January 2005 till the validity of Bharat Stage III norms |
| 2. | HYUNDAI i10 1.2 | 1197 | |
| 3. | HYUNDAI i20 | 1197 | |
| 4. | MARUTI RITZ | 1197 | |
| 5. | MARUTI ESTEEM | 1298 | |
| 6. | MARUTI EECO (5 SEATER) | 1196 | |
| 7. | MARUTI SWIFT | 1298 | |
| 8. | MARUTI SWIFT DZIRE | 1298 | |
| 9. | MARUTI VERSA (5 SEATER) | 1298 | |
| 10. | TATA INDICA XETA | 1193 | |
| 11. | HONDA JAZZ | 1198 | |

Validity :

- This Certificate is **valid for 3 years** from the date of issue of base type approval certificate No. CAJA 0045 dated 28th March 2014 or until further amendment in CMVR Rules, whichever is earlier.
- All conditions and compliance requirements given in the base certificate issued for in-use base model Wagon R (1061CC August 2005 make) , are also applicable for the MPFI, in-use (11) vehicle models given in Annexure-II to CAJA 0045 L02 dated 07/09/2015 fitted with catalytic converter as per lay out plan.

[Handwritten Signature]

The fitment of CNG system installed by M/s ACE Gas Conversions Pvt. Ltd., A/101, Armut Industrial Estate, Behind TCI Transport Western Highway, Opp. Vasani Petrol Pump, Micra Road (E), Thane-401104 (with following CNG cylinder) on the "In-Use" gasoline vehicle model "Maruti Wagon R (August 2005 make)" fitted with O.E. Catalytic Converter

3. Details of CNG Cylinders

| CNG Cylinders Option | 1 | 2 | 3 | 4 | 5 | 6 |
|----------------------|---|--------------------------|---------------------------------|---|------------------------------------|----------------------|
| Manufacturer | M/s Jay Fe Cylinders Ltd. | M/s Lizer Cylinders Ltd. | M/s Everest Kanto Cylinder Ltd. | M/s Worthington Nitin Cylinders Pvt. Ltd. | M/s Confidence Petroleum India Ltd | M/s Sarju Impex Ltd. |
| Capacity Ltr. | 50,60,65 & 70 | | | | | |
| CNG Cylinders Option | 7 | | | 8 | | |
| Manufacturer | M/s Sahuwala High Pressure Cyl. Pvt. Ltd. | | | M/s Rama Cylinders Pvt. Ltd | | |
| Capacity Ltr. | 50,60,65 & 70 | | | | | |

4. Details of Cylinder Valves

| Cylinder Valve | 1 | 2 | 3 | 4 | 5 | 6 |
|-----------------------------|-------------------------------|------------------------|----------------------------|------------------------------|------------------------------|------------------------------|
| Name of Manufacturer | M/s. OMB Saleri S.p.A., Italy | M/s. Emer S.r.I, Italy | M/s. Tekno Valves, Kolkata | M/s. Batra Valves, Faridabad | M/s. Tomasetto Achille S.t.I | M/s. Tomasetto Achille S.t.I |
| Model name / Identification | Alfa / ECE-R-110 | VALE 119 | TV/DR-921/2002 | BV/CNG-I/000 | VM-05 | VM-01 |

5. Details of Refilling Valves

| Refilling Valve | Option 1 | Option 2 | Option 3 | Option 4 | Option 5 |
|--------------------------|-------------------------------|-----------------|--------------|-----------------------|------------------------------|
| Name of the manufacturer | M/s. OMB Saleri S.p.A., Italy | M/s. EMER S.r.I | M/s. Hoffman | M/s. Perfect Products | M/s. Tomasetto Achille S.t.I |
| Model Name / I.D/Type | Alfa/ECE-R 110 | 41037 DGM | BVG 165/13 | | |

6. Details of Pressure Regulator

| | |
|----------------------------------|--|
| Name of the manufacturer | M/s. Tomasetto Achille S.P.A |
| Model Name / Identification/Type | AT-12(TAC-CA0918, Dt-26.05.2010)(COP.CCOCI 1062, Dt.25.06.2013) / 2-stage electronic |

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| 8. Details of Pressure Indicator | |
|--------------------------------------|---------------------|
| Name of the manufacturer | CNG Gauge |
| 9. Details of Service shut off valve | |
| Name of the manufacturer | Part of CNG reducer |

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-IA to the TAC No CAJA 0045 dated 28th March, 2014, and also invariably enclose its certified copy 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)

Dated

No. F. DC/OPS/TPT/195/2013

Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. M/s ACE Gas Conversions Pvt. Ltd., A/101, Armut Industrial Estate, Behind TCI Transport Western Highway, Opp. Vasani Petrol Pump, Micra Road (E), Thane-401104
3. S.A (Computer) for uploading on the website
4. Guard File.

(MAHARAJ SINGH)
MVI (OPS)