

21/03/16
M/s. Koyalji

21/03/16/TPT

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

No. F.20(33)/TPT/OPS/Vol.III/ CD No. 075339177/ 6517-21

Dated: 01/03/2016

CIRCULAR

The Competent Authority is pleased to grant the approval for endorsement of CNG Kit identification "MAGPL OBD II" manufactured by M/s. Mijo Auto Gas Pvt. Ltd., S-110, Badli Industrial Area Phase-I Gate No. 4 Delhi – 110042, for retro fitment on MPFI "in-use" gasoline vehicles between stipulated engine cylinder capacity range (898.5 to 1497.5cc) fitted with **OE catalytic converter** as part of CNG Kit, manufactured / registered from **01st April 2013 till the validity of BS-IV norms (OBD II)**. 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 : Honda Cars India Ltd. MODEL/Make : Honda Brio E MT (July, 2013) Type/Seating capacity: Passenger Car/5 persons Engine Power/Capacity : 66kW@6000 rpm /(1198 CC) Engine CM3 Range : 898.5 to 1497.5 Emission Norms : BS-IV GVW kg. : 1430 Make (CNG Kit) : M/s. Mijo Auto Gas Pvt. Ltd. CNG Kit Identification : MAGPL OBD II		Certificate No. CAKA 0195 dated 28 th December 2015 Case No. 2015-613 (IOCS Ref. 41783) Emission Test Report No. : CT0PK 0519 Dt. 21.12.2015 (Sahuwala High Pressure Cylinder – Honda 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 0195 including following requirements :					
Mass Emission Standards		Notification No. & Date	Effective from	To	CMV Rule
CNG (for in-use Gasoline Vehicles)		GSR 853 (E) dt. 19.11.2001	19.05.2002	Till further amendment	115 B A (II)
Type Approval norms for Petrol Vehicles	Idling CO & NHMC	GSR 103(E) dt. 23.02.2012	23.02.2013		115 (2) (i)
	BS-IV (For Notified Areas)	GSR 84 (E) dt. 09.02.2009	01.04.2010		115 (14) (G), 15 (a), (b) (i)
			01.04.2013 (OBD II)		
		GSR 443 (E) dt. 21.05.2010	01.04.2010		
GSR 504 (E) dt. 16.07.2014	01.10.2014				
Compliance of Mass Emission Standards & Validity (Ref. 115B.A.(ii) Clause (iv), as per GSR 84(E) dt. 09.02.2009, GSR 443(E) dt. 21.05.2010 & GSR 504(E) dt. 16.07.2014					

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Validity :-

- The above CNG converted "In-Use" base model " **Honda Brio E MT BS4**" (**July, 2013 make**), retrofitted with **MAGPL OBD II 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 (**898.5 to 1497.5cm³**) **manufactured / registered from 01st April, 2013 till the validity of Bharat Stage-IV norms** subject to specific approval, for layout plan by ICAT, for retro fitment of CNG kit in each vehicle model.
- This Certificate is **valid for 3 years** from the date of its issue of base type approval certificate no. **CAKA 0195 dated 28th December, 2015** or until further amendment in CMVR Rules, whichever is earlier.

3. Details of CNG Cylinder

CNG Cylinder	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8
Manufacturer	M/s. Sahuwala High Pressure Cylinder P. Ltd.,	M/s. Nitin Cylinders Ltd.,	M/s. Everest Kanto Cylinder Ltd.,	M/s. Confidence Petroleum India Ltd.,	M/s. Jay Fe Cylinder Ltd.	M/s. Maruti Coatsu Cylinders Pvt. Ltd.	M/s. Rama Cylinders Ltd.,	M/s. Lizer Cylinders Ltd.
Capacity, Ltr.	55,60 & 65 (Dia:325 mm)	60 & 65 (Dia:316 mm)	55,60 & 65 (Dia:317 mm)	55,60 & 65 (Dia:317 mm)	55,60 & 65 (Dia:356 mm)	60,65 & 70 (Dia:317 mm)	55,60 & 65 (Dia:316 mm)	55,60 & 65 (Dia:316 mm)

4. Details of Cylinder Valves

Cylinder Valve	Option 1	Fitted
Name of the manufacturer	M/s Emer s.r.l, Italy	M/s. Batra Valve
Model Name / Identification	Vale 119 / CNG-EM04-Z with fusible plug, burst disc & built in vent	Batra Valve with fusible plug, burst disc & built in vent

5. Details of Refilling Valves

Name of the manufacturer	M/s. Mijo Auto Gas Pvt. Ltd.
Model Name / I.D/Type	MRV / NZS

6. Details of Pressure Regulator

Name of the manufacturer	Mijo Auto Gas Pvt. Ltd.
Model Name / Identification/Type	SR09 (Trade Marks – Mijo, Msequent, Gold AFS) Sequential

7. Details of Catalytic converter

Manufacturer/Model / ID	OEM fitted
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8. Details of Gas Injector Rail

Name of the manufacturer	M/s. Mijo Auto Gas Pvt. Ltd.
Model Name / ID / Type	MIR01 / Gas Injector type

9. Details of Pressure Indicator	
Name of the manufacturer	MAGPL
Identification / Type	CNG-Bottom Mounting / Manometer Type
10. Details of Service shut off valve	
Name of the manufacturer/ Identification / Type	INBUILT IN REFILLING VALVE

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 0195 dated 28/12/2015 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.20(33)/TPT/OPS/Vol.III/ CD No. 075339177/ 6517-21

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Copy forwarded for information and necessary action to:-

1. All MLOs/CMVI (Burari)/Programmer, Transport Department.
2. M/s Mijo Auto Gas Pvt. Ltd S-110, Badli Industrial Area Phase-I Gate No. 4 Delhi - 110042.
3. S.A (Computer) for uploading on the website of the department.
4. Guard File.

(PRAWIN DESAI)
MLO (OPS)