

Assembled in India



GASTECHITALY

BS6 
Approved

GASTECHITALY

CNG SEQUENTIAL & CONVENTIONAL KITS

Let's **SAVE**
the **world**
together

Go For CNG....



© 110R-0400000200C © 67R-0201000200C © 10R-0501011700C

Nationally and Internationally Certified for Quality Assurance

APPROVED BY



THE WORLD LEADER TOP-NOTCH. QUALITY

GASTECHITLAY CNG/ LPG KITS are designed and manufactured in accordance with the high quality standard assured by the quality system certification ISO: 15500 and comply with current regulations ICAT, VCA, E13 110R-00166, E13 67R018311. We are certified by government of India and duly endorse by Government of Delhi Department of Transport and other state governments. It has strong technology advantages on gas system development and complete range of systems special for OEM project. Gastechitlay has offered the gas systems and solutions to passenger vehicle OEM such as Maruti , Hyundai, Toyota, Honda, Skoda, Volkswagen, KIA, MG, Nissan, Mahindra, Ford & Tata etc. The company follows the up-to-date technical development in according to the ICAT, VCA and ISO 15500 international regulations, and to the latest European anti-pollution norms EURO 4. Our innovative technologies solutions originate from a constant Research and Development activity together with the best producers in the sector.

We are located in Centre of Delhi and have a dealer network all over India and it is still expanding. We have participated in many international projects to undergo the testing and development of customized CNG solutions.

The Gastech Way brand is popular among its costumers for its design and structure featured on the reliability and ease of installation. Our USP is the ease of operating software for our sequential systems, these are design so well, keeping in view the Indian and other markets in the globe. Company aims to reach to all its customers and its endeavour.

Why Choose Us

Few of the factors that make us the first choice ahead of our competitors are: Exceptional Staff | Premium Staff Affordable Pricing High Industry Standards.

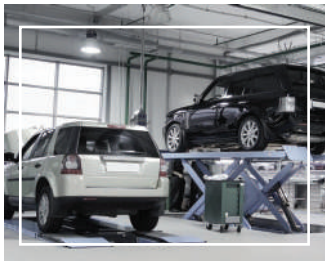


BS6 
Approved

SOME STATISTICS ABOUT US



CNG KITS INSTALLATION TECHNICAL STATISTICS YOU MUST KNOW



YEARS OF EXPERIENCE **15**

WELL TRAINED EMPLOYEES **50**

SATISFIED DEALERS **1000**

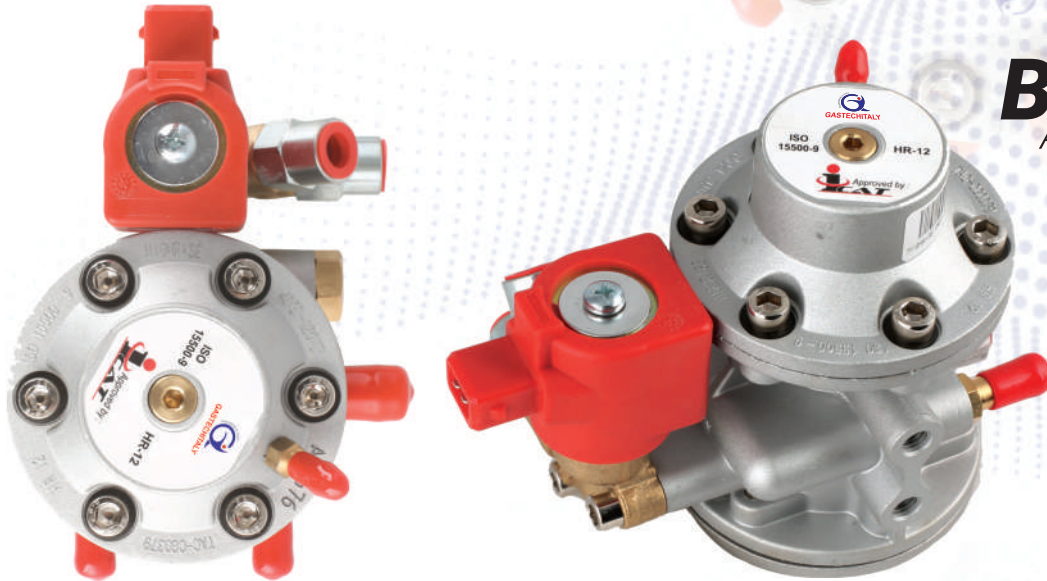
GASTECHITALY

CNG KIT IS APPROVED FOR RETRO FITMENT
IN THE FOLLOWING VEHICLES



GASTECH CNG SEQUENTIAL REDUCER HR12

CNG Sequential Reducer: CNG Sequential Reducer is an important part of CNG Kit. GASTECH CNG reducer is a two-stage pressure reducer for sequential injection which provides a constant outlet flow in all Environment conditions. The outlet pressure of HighRise reducer is adjustable to obtain the best performance and is provided with an adjustable fitting that has also the connection for pressure manometer.



BS6 
Approved



APPROVED BY

© 110R-040000200C © 67R-0201000200C © 10R-0501011700C



Nationally and Internationally Certified for Quality Assurance

GASTECH CNG CONVENTIONAL REDUCER HR-11

PARAMETERS :

VERSION : 140 HP

Type of product: CNG Conventional Reducer

Material : Die cast aluminium body

Weight : 1.9kg

Dimensions (mm): 165.5*165*111.5mm

Max inlet pressure: 26 MPa (260 bar)

Outlet pressure : Depending on the mixer

Coil voltage : DC12V

Coil Power: 17W

Coil connection: 6.3mm

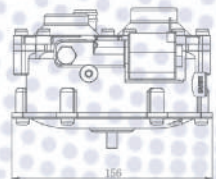
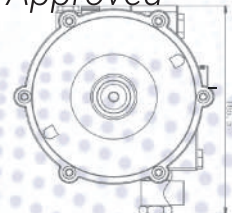
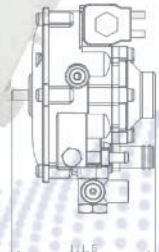
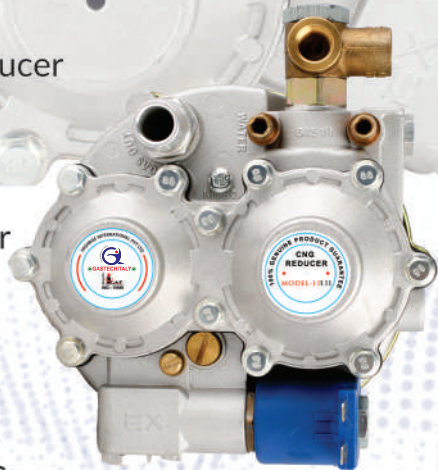
Inlet Connection:M12x1 pipe Ø6mm

Outlet connection: Ø19 mm

Engine power: Up to 1.5 KW

Working temperature: -40°C ~ +120°C

maximum value reachable with ideal system and ambient conditions



ELECTRONIC REDUCER FOR CONVENTIONAL CNG SYSTEMS :

HIGHRISE CNG pressure reducer, model HR-11, is a 3 stages electronic reducer for Conventional systems. Compact and very reliable, This reducer is equipped with a double regulation system to obtain always the best performances. The model HR-11 reducer inlet is provided with an adjustable fitting that also has the connection for the pressure manometer.



APPROVED BY

©49 110R-040000200C ©49 67R-0201000200C ©49 10R-0501011700C



Nationally and Internationally Certified for Quality Assurance



GASTECH LPG SEQUENTIAL REDUCER HR-09

PARAMETERS

Level 1 pressure : 0.5~1.8 bar,

Factory Setting 1.0 bar Opening pressure of safety valve: 2.8 +_ 0.5 bar

Maximum air flow: 16 m3/h

Maximum displacement or power: 4.7L, or 470HP Size & Weight: 195 x160 x115mm, 1.7kg

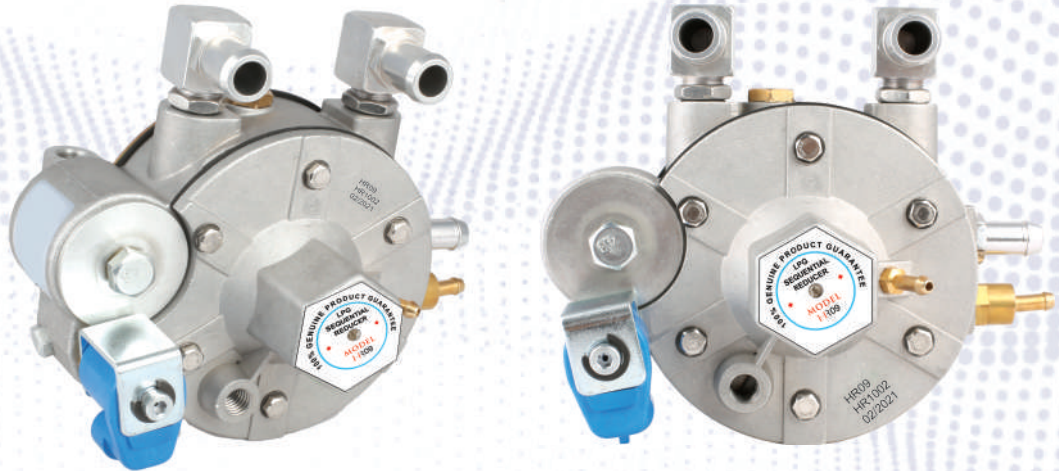


1. Large Evaporator Chamber,
Stable Pressure.

2. Large Water Channel,
High Effect Thermal Cycle.

3. Solenoid Valve Intergration
Design, More Safe.

4. Compact Structure And Water Connector's Position Can be adjust.
Installation More Covernient.



APPROVED BY

©49 110R-040000200C ©49 67R-0201000200C ©49 10R-0501011700C



Nationally and Internationally Certified for Quality Assurance

GASTECH - OBD II ECU



EX-HIGHRISE gas injection system – applied for 3cyl /4cyl. engine. Hardware is develop and manufacture on high quality standard TS16949 with ECE 67R-010311 and 110R-000166 certification. Function EX-GASTECH Professional design for OEM “0km” automotive. Can with OBDII function. Advanced OBD II function and real-time calibration keeps gas vehicle in perfect condition in different drive surrounding and mileage, at the same time satisfied with EURO IV displacement standard. Very professional PC interface saves much time for user.



APPROVED BY

©110R-040000200C ©67R-0201000200C ©10R-0501011700C



Nationally and Internationally Certified for Quality Assurance



ECU EX OBD 1 - GASTECH



SYSTEM INTRODUCTIONS

OBD 1 Smart System is a gas sequential injection gas supply system. When the system works, the gas ECU takes the fuel injection signal from original vehicle as the basic signal, and collects the parameters of the engine cooling water temperature, gas pressure and other parts at the same time to decide the final gas injection time and gas rail injector supply gas to the corresponding engine cylinder. Within the permitted scope of engine cylinder volum, the system will provide gas which is equal to the energy of the gasoline when the switch is in the gas position, the gas ECU will automatically defect the conversion conditions which are already stored in the ECU. When the condition is met, system will switch to the gas. At this time, the gasollne injection nozzle is cut off, and the gas system ECU drives the gas rail injector to start working.

SYSTEM ADVANTAGES (MAIN FUNCTIONS)

- 01 Auto-calibration function.
- 02 Gas Transient adjust function
- 03 Petrol mode, gas mode and gas start-up mode.
- 04 Anticipate the Injection sequence.



APPROVED BY

ISO 110R-0400000200C ISO 67R-0201000200C ISO 10R-0501011700C



Nationally and Internationally Certified for Quality Assurance

GASTECH 6/8 CYL ELECTRONIC CONTROL UNIT (ECU)

Advantages of 6/8 CYL ECU:

1. 32bit DSP singlechip control, control accuracy up to 0.01ms
2. A variety of gas injectors and sensors (level sensor, temperature of pressure reducer temperature) to choose
3. Suitable for multi-point sequential injection and grouped injection vehicles, compatible with EU4 EU5 EU6 vehicles
4. There are two gas correction modes, MAP and K Main A, more gas injection strategies, and easier gas calibration.
5. With fuel and gas injector detection and gas system self-diagnosis function, more convenient detection of gas system.

BS6 
Approved



APPROVED BY

© 110R-040000200C © 67R-0201000200C © 10R-0501011700C

Nationally and Internationally Certified for Quality Assurance



GASTECH ADVANCED TOUCH SWITCH

The Advance Touch Switch is the part of the CNG / LPG Electronic Circuit Unit and is installed in the vehicle dashboard near to the driving seat.

How Switch Works The car starts (ignition), the orange light is ON indicating the car is on petrol, As we press accelerator (rpm increases), it automatically switches to CNG as it reaches the set rpm (programmed i.e. 1200 rpm) Greenlights become visible as the car is now running on CNG. The number of lights indicates the quantity of CNG available in the gas cylinder. Even if CNG is still available in a gas cylinder and you want to switch into petrol, then just **Touch** the switch once. It will be switched to petrol. You will not feel any knocking during fuel conversions. **End of CNG Indication** When the red light becomes visible, it means that CNG is in its last phase. It will still run a few Km's.



NEW

BS6 
Approved



APPROVED BY

© 110R-0400000200C © 67R-0201000200C © 10R-0501011700C

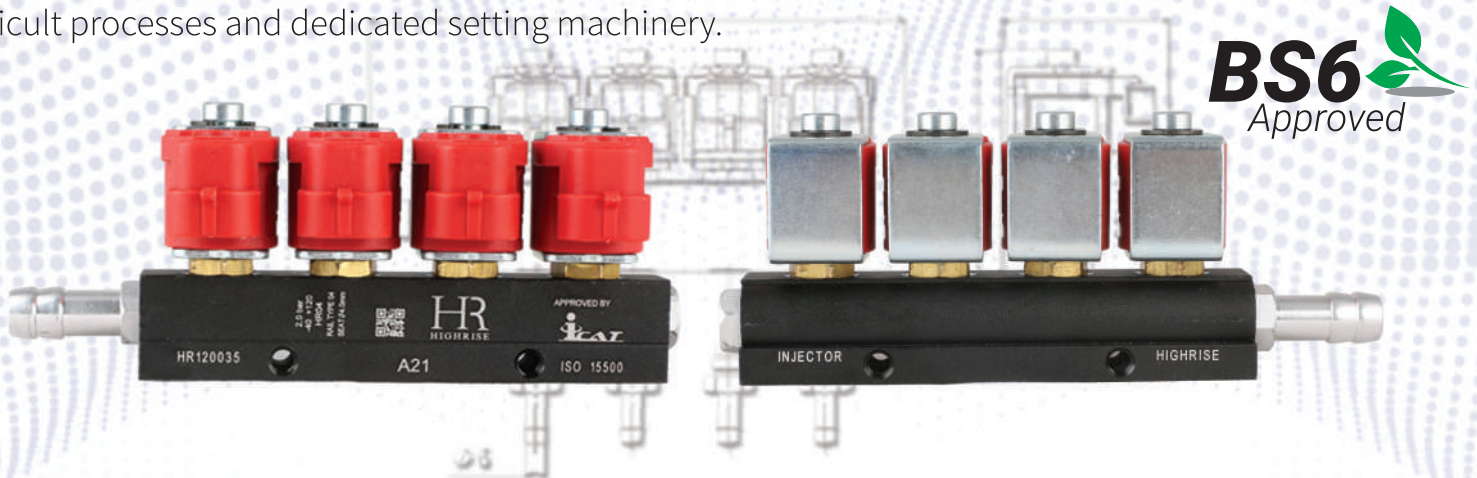


Nationally and Internationally Certified for Quality Assurance

GASTECH INJECTOR RAIL HR04

The Gastech injector Rail is to inject the controlled quantity of CNG Fuel at specific interval of time (as programmed in ECU). it can be supplied with 3 Ohm coil and is compatible with the majority of the ECUs distributed in the markets.

it is homologated in accordance with ISO 15500 standards and approved by ICAT . Gastech injector RAIL has been designed to allow easy installation and maintenance: it does not require the setting of the solenoid core, assuring the performance of the injector rail also after the maintenance, without difficult processes and dedicated setting machinery.



BS6 
Approved



APPROVED BY

© 110R-040000200C © 67R-0201000200C © 10R-0501011700C



Nationally and Internationally Certified for Quality Assurance

Gastech OB2-8 INJECTOR ECU

The 5.0OBD 4 cylinder with 8pcs injectors dual-fuel ECU is suitable for 4 cylinder with 4pcs injectors and 8pcs injectors dual-fuel vehicles. A 32Bit microcontroller and advanced engine control design to ensure air, fuel, leak diagnosis, OBD and emission control (Euro VI). The innovative integration of all 8pcs injectors simulations and controls into the ECU reduces the installation difficulty of external simulators and effectively increases reliability. ECU collects the fuel injection signals from 8pcs injectors at the same time and uses Ex-HIGHRISE patented algorithm to optimize the performance of the dual-fuel system, further improving the acceleration performance and idling stability of the vehicle.



APPROVED BY

©110R-040000200C ©67R-0201000200C ©10R-0501011700C



Nationally and Internationally Certified for Quality Assurance

GASTECH CNG STEEL TUBE

CNG Steel Tube is the pipe through which gas from the cylinder comes to the reducer. The CNG Steel Tube is approx 5.9 mtr in length and comes from the cylinder compartment to the Engine compartment. GASTECH ITALY provides the best quality steel Tubes which are extensively tested in different environments and meets international standard ISO 15500.



LOW PRESSURE PIPE

SIZE : \varnothing 5.5 MM

SIZE : \varnothing 8.0 MM

SIZE : \varnothing 10.5 MM

SIZE : \varnothing 19 MM

BS6 
Approved



APPROVED BY

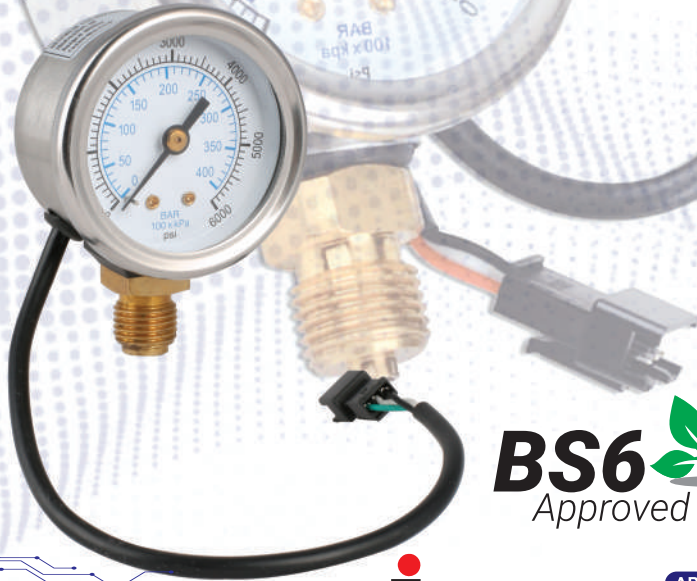
© 110R-0400000200C © 67R-0201000200C © 10R-0501011700C



Nationally and Internationally Certified for Quality Assurance

CNG PRESSURE GAUGE

Description The CNG Gauge or CNG pressure sensor provides a linear electronic signal proportional to gas pressure. The device uses an analogical indication for directly reading the pressure of the gas in the tank.



BS6 
Approved

GASTECH REFILLING VALVE

Filling Valve is the valve through which the CNG is refilled in the gas cylinder. GASTECH ITALY uses filling valves that matches with international standard and matches the world's class best quality.



APPROVED BY

© 110R-040000200C © 67R-0201000200C © 10R-0501011700C



Nationally and Internationally Certified for Quality Assurance

CNG CYLINDER

The CNG (Compressed Natural Gas) Kits offered by us are sophisticated equipment and have gained prominence among the clients. The CNG Kits have a robust construction and hence, are highly durable. Clients can avail the high efficiency CNG Kits from us at nominal market prices. Reducer gas output pressure: 2 Bar Working pressure: 200 Bar



BS6 
Approved



APPROVED BY

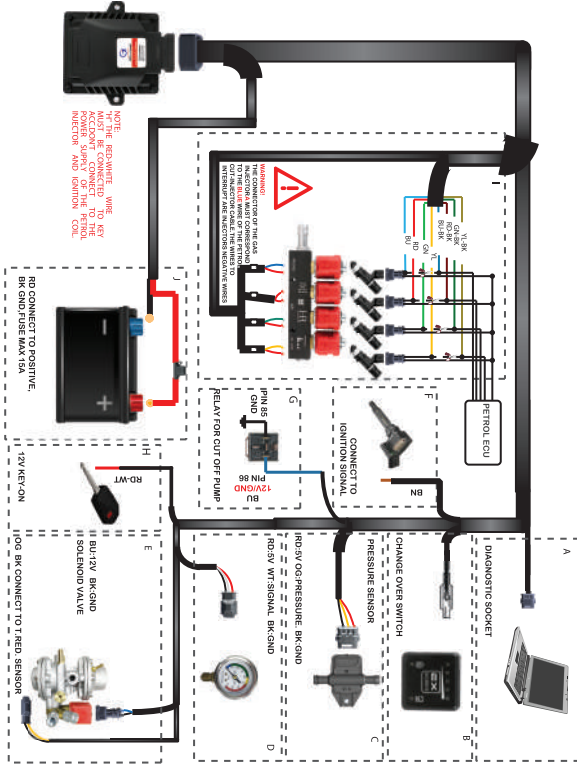
© 110R-040000200C © 67R-0201000200C © 10R-0501011700C

Nationally and Internationally Certified for Quality Assurance

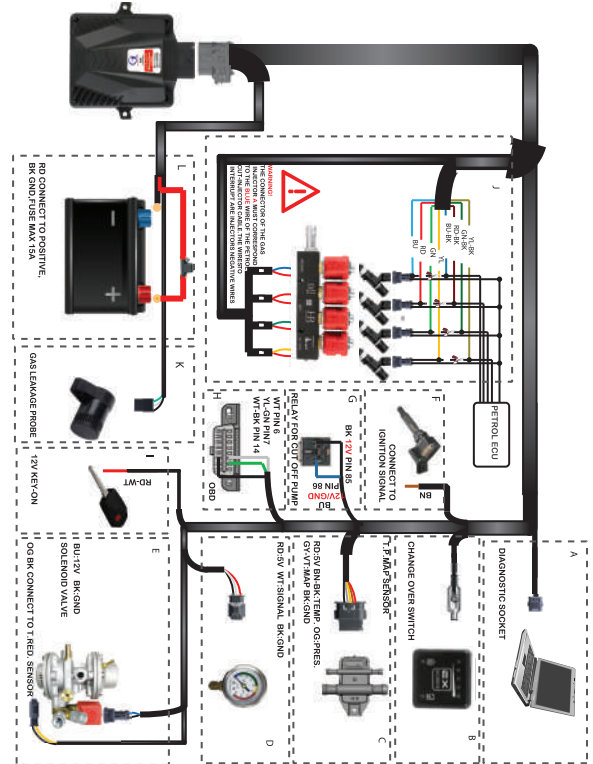


GASTECH 5.0 CONNECTION DIAGRAM

OBD-1 WIRING DIAGRAM



OBD 2 ECU WIRING DIAGRAM



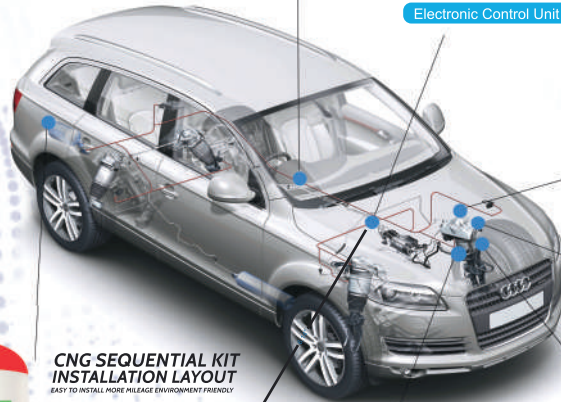


GASTECHITALY



Video: www.gastechitaly.com

ELECTRONIC COMPONENTS APPROVED BY
BULGARIA CYPRUS EUROPE
HIGHRISE CNG REDUCER APPROVED BY
VCA UNITED KINGDOM



**CNG SEQUENTIAL KIT
INSTALLATION LAYOUT**
EASY TO INSTALL MORE FRIENDLY ENVIRONMENT FRIENDLY



Touch Switch

Electronic Control Unit



Sequential Reducer

BS6 
Approved



Rail Injector



CNG Cylinder



Pressure Gauge



Refilling Valve



MAP Sensor

Let's **SAVE**
the **world**
together
Go For GREEN...

APPROVED BY



ISO 110R-0400000200C ISO 67R-0201000200C ISO 10R-0501011700C



Nationally and Internationally Certified for Quality Assurance



DO'S WHILE USING CNG

1. The vehicles operating on CNG must comply with the required conditions as contained in the central motor vehicles rules
2. Before installing the CNG kit, it is required to ensure that the workshop is authorized
3. You should have the approved Kit and cylinder that goes well with the make of vehicle.
4. You should have **through** leak of the gas system. In case of Leakage, close cylinder Valve; fitted on CNG cylinder. Don't drive the vehicle on CNG till you get the leakage test from authorized fitment center. it is worth pointing out that CNG is lighter than air and in the unlikely event of a leak from piping or container the gas will dissipate upwards quite quickly. In case of petrol and LPG, the vapour given off is heavier than air and will tend to pool near the ground.
5. You should collect the installer certificate from the workshop and ensure to endorse the CNG or bi-fuel mode in Registration Certificate issued by RTO.
6. Get the CNG cylinder checked every Three (3) years from the date of last testing / retesting of cylinder by government authorized CNG cylinder testing agency
7. Switch "OFF" engine while fuel filling
8. The CNG kit installed in the vehicle should be insured along with vehicle accessories. The Motorist should notify the insurance company to provide insurance on the CNG system, for which additional premium may be charged by the insurance company. Motorists should take the insurance cover for the additional CNG kit system.
9. As per present government regulation the pollution checks and pollution certificate is mandatory even after converting the vehicle on CNG.

DONT'S WHILE USING CNG

1. You should not purchase Components from various sources and do not install the kit yourself.
2. You should not modify or improvise the kit and unauthorized workshops.
3. You should not install on LPG, Propane in place of CNG cylinder.
4. You should not do Filling of LPG, Propane or other fuel in a CNG Cylinder.
5. You should ensure that there are no passengers on board at a time of filling of CNG.
6. You should not ignore any signs of gas leakage if observed by you.
7. Avoid carrying inflammable material near the CNG cylinder.





WARRANTY CARD

Invoice No. Date of (Fitment).....
 Customer NamePhone No.
 Address.....
 Vehicle No. on which kit fitted.....
 Kilometer Reading at the time of fitment
 Kit Box No.ECU No.....

GASTECH Authorised Dealer Copy

Stamp & Sign.

Invoice No. Date of (Fitment).....
 Customer NamePhone No.
 Address.....
 Vehicle No. on which kit fitted.....
 Kilometer Reading at the time of fitment
 Kit Box No.ECU No.....

Customer Copy

Stamp & Sign

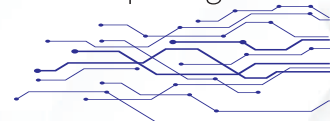


APPROVED BY

© 110R-0400000200C © 67R-0201000200C © 10R-0501011700C



Nationally and Internationally Certified for Quality Assurance



BS6 
Approved



GASTECHITALY


Thanks for Choosing


follow us on



HIGHRISE INTERNATIONAL PVT LTD

 +91 9350041498

 7 Amar Park New Rohtak Road Near
Ashoka Park Main Metro Station, Delhi 110035 -India

 gastechitaly@gmail.com
gastechitaly.com