
TATA PUNCH iCNG TWIN CYLINDER SUPPLEMENT

(Supplement to the PUNCH BSVI Owner's Manual)

Applicable only for CNG vehicle

Part no. 5445 5840 9906

TATA MOTORS

REV01 / DEC-25

iCNG SUPPLEMENT

DESCRIPTION	PAGE NO.
Introduction to CNG	1
Safety Precautions	1
Starting the Engine	3
Fuel Mode	4
Instrument Cluster	5
Warnings And Indicators	14
Audio Reminder	15
Engine Compartment	16
Cylinder Manual Shut OFF Knob	17
CNG Cylinder	19
CNG Cylinder Filler Valves	19
Safety Regulations	20
CNG Compliance Plate	22
Recommended Tyre Pressure	22

DESCRIPTION	PAGE NO.
Spare Wheel Removal	23
Tool Kit	26
Puncture Repair Kit Location	26
Fuse Box	27
Technical Specifications	30
Preliminary Trouble Shooting	31
Service Schedule	33

INTRODUCTION TO CNG

CNG (Compressed natural gas) is principally constituted of methane. CNG is a colorless, odourless and non-toxic gas. But, it is inflammable and lighter than air. Due to its low density, CNG is compressed to up to around 200 bar to increase storage capacity. CNG has the following benefits.

Benefits of CNG

- CNG is a clean burning fuel and has lesser tail pipe emissions than compared to gasoline.
- CNG offers lower running and maintenance costs compared to gasoline.
- CNG does not contaminate and dilute the crankcase oil during combustion and hence oil in the engine does not lose its properties which can lead to early wear and tear of engine parts.

WARNING

- In case of any symptom of CNG leakage, releasing noise, or external damage to CNG pipe/components during an accident, do not panic.
- Stop the vehicle, switch off the engine and open all doors. Close the CNG cylinder manual shut off knob located on the cylinder Valve.
- Do not run the vehicle even in petrol mode.
- Contact the nearest TATA MOTORS authorized service centre immediately for further assistance.

SAFETY PRECAUTIONS

To get the best out of CNG fuel, the vehicle must be serviced as per the service interval given in this manual.

Do's

- Always get the car repaired / serviced at TATA MOTORS authorized service centre only.

NOTE

- *In case of gas leakage in the low pressure circuit (Regulator to CNG Rail), ECU will automatically switch the fuel mode from CNG to petrol. The ECU will not allow you to switch to CNG mode until the leakage is rectified.*
 - *Leakage in high-pressure line from CNG tank to high-pressure regulator will not be monitored/detected.*
- Remove the CNG tank during any welding / brazing work on the car.

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This has to be done by TATA MOTORS authorized service centre only.

- Keep the car away from any fire source.
- Switch off engine while fuel filling CNG or petrol.

NOTE

Ensure that your car has sufficient petrol in tank to keep both the systems in healthy condition.

NOTE

After refilling CNG, ensure that the fuel lid is properly shut (otherwise vehicle will not start).

- If the vehicle doesn't change over to CNG mode when the changeover switch is pressed,
 - a. Ensure that the manual valve on CNG cylinder is open.
 - b. Check CNG level on instrument cluster.

If both conditions are ok and the car is still not changing over to CNG, have your vehicle checked by TATA MOTORS authorized service centre.

- Test the cylinder every three years (or as specified by the government) from the last date of testing/retesting of the cylinder by authorized cylinder testing agency (refer CNG VIN plate).

Don't's

- Do not install an LPG, propane or any other cylinder in place of CNG cylinder. It is illegal and unsafe.
- Never fill CNG cylinder with air, LPG or any fuel except CNG.
- Never alter CNG system configuration. Do not adjust / tamper CNG system settings.
- Never place inflammable explosive, corrosive material or sharp objects near CNG cylinder.
- Don't smoke inside or near the CNG vehicle

- Do not over fill the CNG tank beyond its capacity. Over filling the CNG cylinder can cause safety issues like gas leakage.
- Do not use high pressure washer fluid / water jets at electrical devices & their connectors during washing.
- Do not start/drive your vehicle in case of CNG leakage. CNG is inflammable and highly explosive. This may lead to serious injury.
- The CNG cylinder assembly should not be repaired, under any circumstance. In case of any problem contact nearest TATA MOTORS authorized service centre.
- Do not change the colour of the CNG cylinder.
- Do not park your CNG vehicle on grass /saplings / over flammable material this may tent to catch fire.
- No flammable material should be stored in the close vicinity of the CNG cylinder.

- Never use naked flame / fire for checking gas leakage.
- Do not press the accelerator pedal while changing over from petrol to CNG mode.
- Do not turn 'OFF' cylinder valves when vehicle is running on CNG mode.
- Do not switch off any CNG cylinder valves while re-filling the CNG gas and during running of the car excluding the emergency situation like gas leakage/during service repair etc.
- Do not overtighten cylinder valves knob while closing or opening.
- Never attempt to carry out any repair work or tamper with the CNG components on your own or by any unauthorized personnel.

STARTING THE ENGINE**NOTE**

Vehicle will start by default in CNG mode except when there is a manual intervention by fuel mode switch. During default CNG start if set conditions are not met vehicle will start in petrol mode and then switch over to CNG mode once set condition are met.

- To start, turn the ignition key to "IGN" position. Ensure that all the tell tales should glow for initial 3 seconds.
- Select the desired fuel operating mode by pressing the fuel selector switch.
- Keep the clutch pedal fully pressed and crank the engine. DO not press the accelerator pedal.
- If the engine cranks but fails to start then repeat the above procedure. Release the key as soon as the engine starts. Ensure that the "MIL" and 'SIL' lamps are "OFF". The

CNG indicator lamp will be ON, if the car is running on CNG mode.

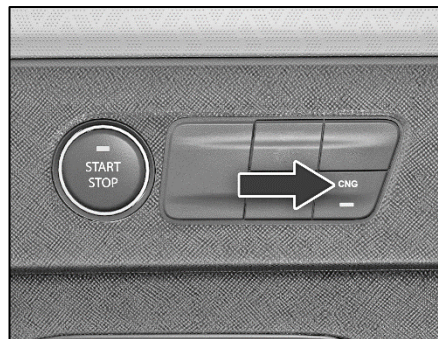
NOTE

- *Irrespective of the position of the fuel selector switch (petrol or CNG), your car's engine will start using petrol based on the programmed warming up condition and later switch over automatically to CNG (if CNG mode is selected).*
- *Ensure that your car has sufficient petrol in the tank as petrol is used for starting until the engine warms up.*
- *Ensure that you run your car in "PETROL" mode for at least 10kms for every 300kms covered in "CNG" mode to ensure proper working of petrol fuel supply system.*

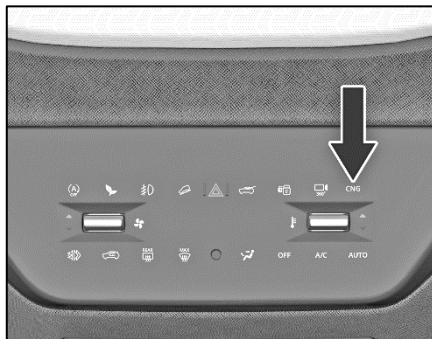
ICNG SUPPLEMENT

FUEL MODES

Option - I (if equipped)



Option - II (if equipped)



There are two fuel modes available in the vehicle: Petrol and CNG. The desired fuel mode can be selected using the selector switch located on the dashboard fascia.

A. Petrol to CNG mode

You can shift to CNG fuel mode by pressing the fuel selector switch. The “CNG” lamp on the instrument cluster starts flashing during the changeover to CNG mode and glows permanently

after changing to CNG mode indicating that the car is running on CNG.

B. CNG to Petrol mode

Similarly you can switch to petrol fuel mode by pressing the fuel selector switch. After successful transition to petrol mode, the green “CNG” lamp goes OFF. This indicates that the car is running on petrol.



Important Points

- Fast flashing of the ‘CNG’ lamp on instrument cluster indicates the fault in CNG system. Car will automatically switch to petrol mode. Get the car checked / repaired at the nearest TATA MOTORS authorized service centre.
- Very slow flashing of the ‘CNG’ lamp indicates the empty tank / no CNG supply (loss of pressure). Get the CNG tank refilled.

INSTRUMENT CLUSTER

Digital Display (4" Inch) (if equipped)



NOTE: All indicators shown may not be applicable to the vehicle. Above image is only for reference.

ICNG SUPPLEMENT

CNG Fuel Gauge



When the ignition switch is in “ON” position, CNG fuel LED gives an approximate indication of the amount of CNG fuel in the CNG cylinder. “F” stands for full and “E” stands for empty.

When CNG fuel in the CNG cylinder is near to empty position, CNG low fuel text warning and chime turns ON for 4 seconds. Refill the CNG cylinder as soon as possible.

If CNG fuel is not filled even after CNG low fuel text warning and chime, then first bar in CNG fuel gauge will start blinking to indicate more severe CNG low fuel warning.

NOTE

When the ignition switch is in the “ON” position, this gauge gives an approximate indication of the amount of CNG fuel in the CNG cylinder and it takes few seconds to stabilize after the ignition is turned ON.

WARNING

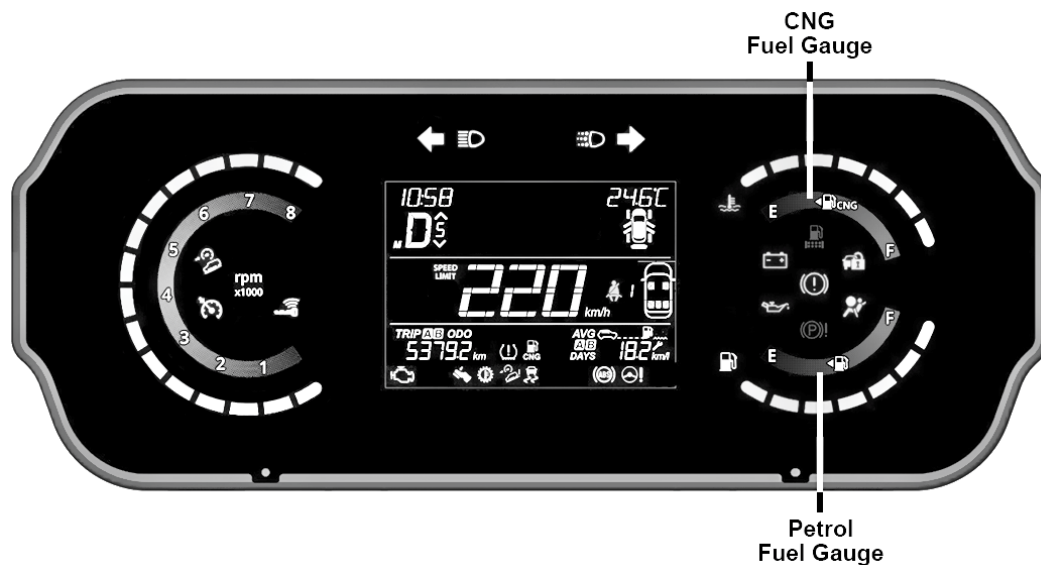
- When running the CNG fuel tank too low or empty can cause engine to stall and could endanger user and passengers. User must stop and obtain additional CNG fuel as soon as possible after CNG low fuel text warning and chime turns ON.
- CNG indicator symbol shall blink if there is any fault in the CNG system. Take vehicle to the TATA MOTORS authorized service station if the symbol starts blinking.

Driver Information System

Driver Information	System Image	Description
CNG mode active		"CNG MODE ACTIVE" text warning comes 'ON' for 4 seconds when CNG fuel mode is selected.
Close fuel lid		"CLOSE FUEL LID" text warning comes 'ON' when fuel lid is open.
CNG low fuel		"CNG LOW FUEL" text warning comes 'ON' for 4 seconds when CNG fuel level is low

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LED Display (4" Inch) (if equipped)



NOTE: All indicators shown may not be applicable to the vehicle. Above image is only for reference.

LED Display (7" Inch) (if equipped)



NOTE: All indicators shown may not be applicable to the vehicle. Above image is only for reference.

ICNG SUPPLEMENT

CNG Fuel Gauge

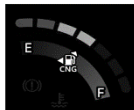


When the ignition switch is in "ON" position, CNG fuel LED gives an approximate indication of the amount of CNG fuel in the CNG Cylinder. "F" stands for full and "E" stands for Empty.

When CNG fuel in the CNG Cylinder is near to empty position, CNG low fuel Text warning and Chime turns ON for 4 Seconds. Refill the CNG Cylinder as soon as possible.

If CNG fuel is not filled even after CNG Low fuel Text warning and Chime, then First bar in CNG fuel gauge will start blinking to indicate more severe CNG low fuel warning.

CNG Draining →



← CNG Filling

NOTE

When the ignition switch is in the "ON" position, this gauge gives an approximate indication of the amount of CNG fuel in the CNG Cylinder and it takes few seconds to stabilize after the ignition is turned ON.

WARNING

- Running the CNG fuel tank too low or empty can cause engine to stall and could endanger User and passengers. User must stop and obtain additional CNG fuel as soon as possible after CNG low fuel Text warning and Chime turns ON.
- CNG Indicator symbol shall blink if there is any fault in the CNG system. Take vehicle to the Tata Motors authorized service station if the symbol starts blinking.

CNG INFO screen Navigation



- If Drive mode is changed from PETROL to CNG then Screen will automatically move to CNG Trip page. If user is already in CNG info pages then no page change will happen.
- If User make transition from PETROL to CNG mode then Cluster will come to available previous saved page for PETROL. If user is already out of CNG info pages then no page change will happen.

ICNG SUPPLEMENT

CNG Info

CNG Trip distance:

- CNG Trip Indicates distance traveled by vehicle in the CNG fuel mode since last reset within the range of 0 km to 9999.9 km with the resolution of 0.1 km.
- CNG Trip can be RESET to 0 by pressing OK switch in a CNG Trip mode.
- CNG mode is on then cluster shall stop calculation of trip A/B distance and shall hold the previous value on which are accumulated & Petrol trip A/B distance calculation resume if Petrol mode turned ON.
- If CNG mode is activated, then IFE shall show 0 km/l as IFE display is applicable for Petrol variant. IFE shall resume once fuel mode changes to petrol.

CNG Trip Time

- IPC shall display the “CNG Trip Time” corresponding to ‘CNG Trip’ with the resolution of 1 minute
- CNG Trip Time shall reset to 00:00

when CNG Trip is reset.

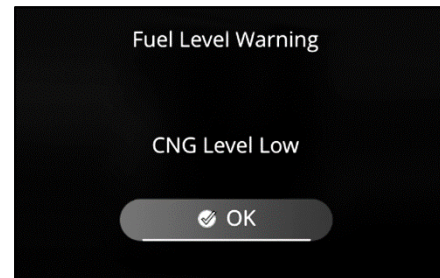
Drive Mode Ratio

- This feature is used to display vehicle driven in fuel mode i.e. CNG or Petrol in Percentage
- Drive mode can be Reset by User

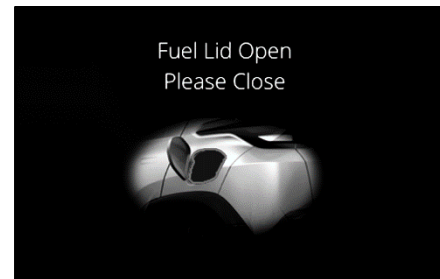


CNG Warning

- IC shall display below warning when CNG Level is low and 1 Bar will blink



- IC shall display below warning when Fuel lid is open



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Warning Description	Warning Title	Warning Messages on Instrument Cluster
CNG warning	Fuel lid Open	Fuel lid Open Please close
CNG warning	Fuel Level Warning	CNG Level Low

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WARNINGS AND INDICATORS

Warning Lamps	Color	Indicator	Remarks
Malfunction Indication Lamp (MIL)	Amber		This lamp comes on when ignition is switched 'ON'. Once engine is started, it turns 'OFF'. It remains 'ON' for any engine related fault that may increase emission levels of the vehicle beyond the regulatory norms. Contact the TATA MOTORS Authorised Service Centre for rectification.
Check Engine Lamp	Amber		This lamp comes on when ignition is switched 'ON'. Once engine is started, it turns 'OFF'. Caution: This lamp comes on continuously if a fault arises in Engine Management System. Contact the TATA MOTORS Authorised Service Centre.
CNG Indicator Lamp	Amber		This lamp comes ON when CNG fuel mode is activated. CNG Lamp will start flashing when there is fault in CNG System. CNG indication used to display vehicle fuel mode as CNG.
Fuel lid Indicator	Amber		This feature monitors Fuel lid is open or not. Fuel Lid Open indication used to display vehicle Fuel Lid is open.

AUDIO REMINDER

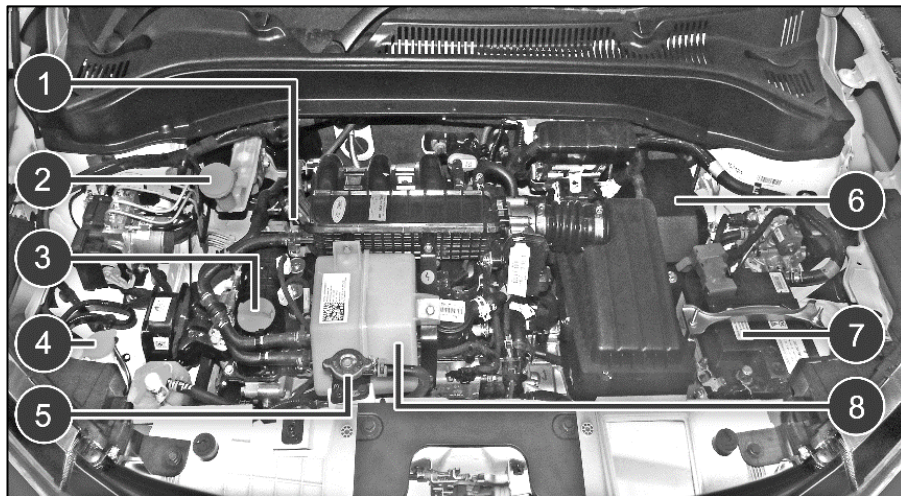
CNG Low Fuel Chime

CNG Low Fuel Chime Will Turn ON for 4 Seconds to alert User about CNG Low Fuel in CNG Cylinder under following condition,

1. When CNG Fuel Bar State changes from 1st Bar to 1st Bar Blink.
2. During IGN ON if CNG 1st Bar Blinking Gauge.
3. User Changes drive mode to Petrol and CNG is already Low and 1st bar is blinking.

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ENGINE COMPARTMENT - CNG

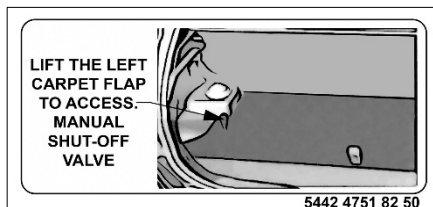
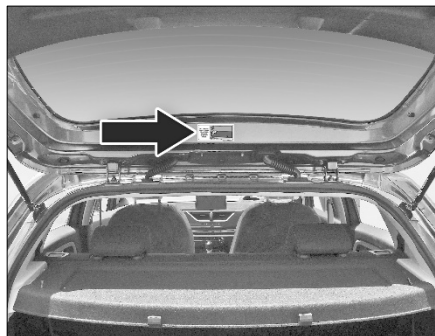


1. Dipstick - Engine oil
2. Brake Fluid Reservoir
3. Engine Oil Filling Cap
4. Windshield Washer Container
5. Radiator Cap
6. Fuse Box
7. Battery
8. Vacuum Accumulator (if equipped)

The above image is for reference only; please verify it directly on the vehicle.

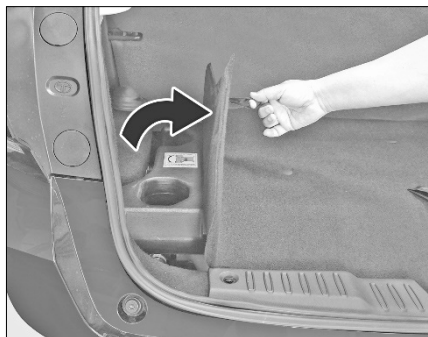
CYLINDER MANUAL SHUT OFF KNOB

Instructions for how to access to manual shut-off valve are given on the sticker.

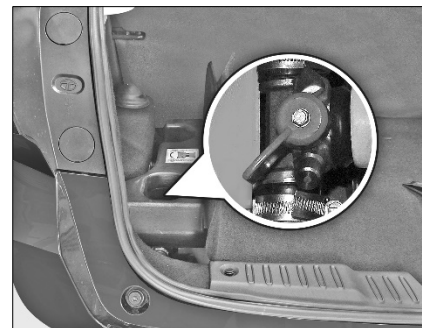


Manual shut-off valve sticker.

Lift the left carpet flap to access. Manual shut-off valve.



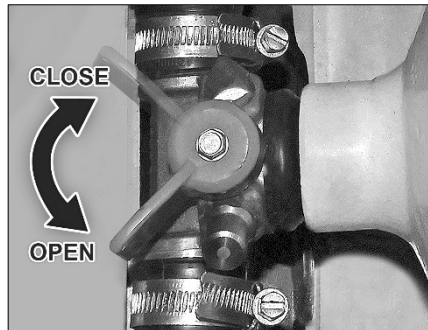
A manual shut OFF knobs are fitted on valves and mounted on CNG cylinder.



iCNG SUPPLEMENT

Manual Shut OFF Knob Operation

CNG supply can be cut OFF by closing the manual shut OFF knobs.

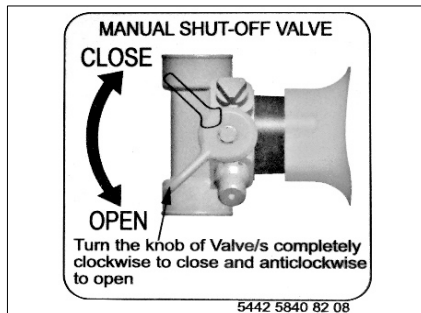
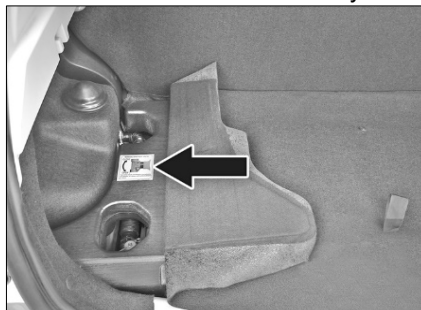


Valve Closing: Turn the both cylinder knobs completely in clockwise direction to close CNG supply to engine. Do not overtighten cylinder knobs while closing.

Valve Opening: Turn the both cylinder knobs completely in anti-clockwise direction to open CNG supply to engine. Do not overtighten cylinder knobs while opening.

Instructions for knobs operation are given on the sticker.

Sticker for CNG on/off valves is affixed on the cover of CNG cylinder.

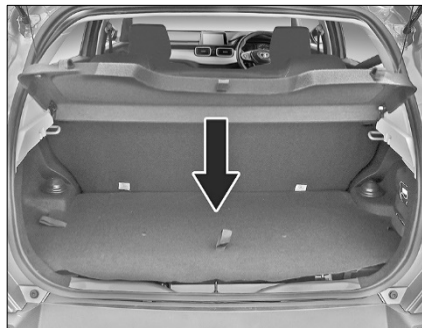


WARNING

- Never remove the cylinder valves from the cylinder assembly, for any assistance, contact TATA MOTORS authorized service centre.
- If removed ensure that it should not be reused.
- Even if the CNG from cylinder is consumed till the engine stops, some amount of CNG will be left out in the tank under pressure.
- Always keep the manual valves in closed position when the vehicle is parked in confined and / or closed parking space like a basement parking.

NOTE

- If the manual shut OFF knobs are in closed condition, it is not possible to fill CNG into the cylinder.
- If the manual shut OFF knobs are not opened fully, then the engine may not run properly.

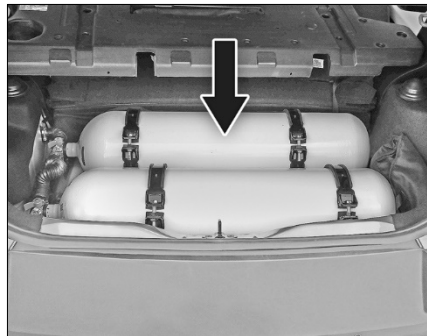


WARNING

Do not carry weight more than 50 Kgs in luggage compartment.

CNG CYLINDER

The CNG cylinders are located in luggage compartment. CNG is stored at a high pressure of 200 bar.



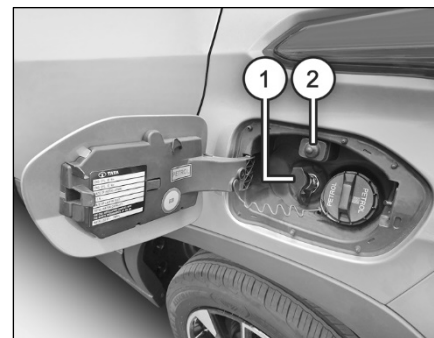
CNG cylinder testing station

Refer below link for the list of approved CNG cylinder testing station.

<https://peso.gov.in/web/en/approved-cng-cylinders-testing-station>

CNG CYLINDER FILLER VALVE

CNG filler valve is used to fill CNG in the cylinder. It is fitted near petrol filling location. CNG should be filled by CNG filling gun at filling station. Fillings automatically cuts off when the cylinder pressure reaches the CNG filling station dispenser pressure.



1. CNG filler cap
2. Fuel flap switch

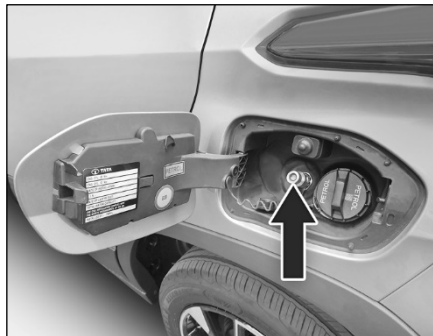
ICNG SUPPLEMENT

NOTE

- Keep the Ignition switch in "OFF" condition during CNG refilling.
- Do not use your mobile phones when you are at a filling station.

CNG Filling Procedure

- Open the fuel lid.
- Remove the CNG receptacle dust cap by pulling it off before filling and ensure to refit dust cap after refilling



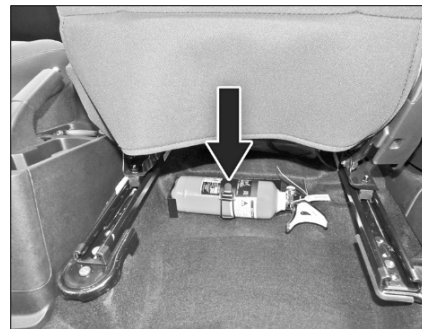
- CNG filling gun to be docked on to the receptacle.

NOTE

- Fascia switch CNG function green LED blinks when fuel lid is open, vehicle will not start until lid is closed properly.
- Green LED will continuously blink along with a text message "close the fuel lid" on cluster until fuel lid is closed.

SAFETY REGULATION:

Fire Extinguisher



Below driver seat

Method of Operation:

- Driver seat to be moved in forward direction completely (in extreme condition).
- Open the rear door from the right-hand side, access the fire extinguisher from below the driver seat.
- Fire extinguisher is mounted below driver seat with the help of toggle clamp bracket.

- Pull the clamp operating clip. Hold the fire extinguisher lever and pull from the bracket.
- Check the pressure gauge needle is in green zone.
- Hold the fire extinguisher upright and break the plastic seal.
- Pull the pin and remove the safe guard block from lever.
- Position the nozzle towards the flames.
- Press the lever and direct discharge at base of flames with rapid sweeping motion.

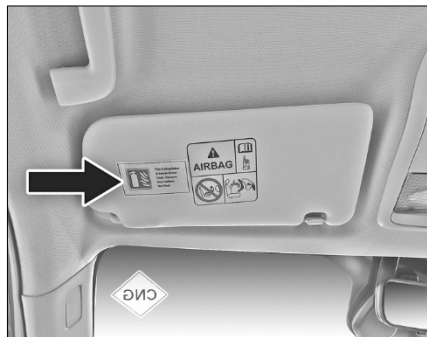
Maintenance

Check pressure on the gauge every week, needle should remain in green zone. If it comes to red zone, please refill it.

The fire extinguisher should be refilled every three years even if it is not used.

Fire Extinguisher Sticker

Instructions for how to access fire extinguisher are given on the sticker.



On co-driver side sun visor



Near driver seat



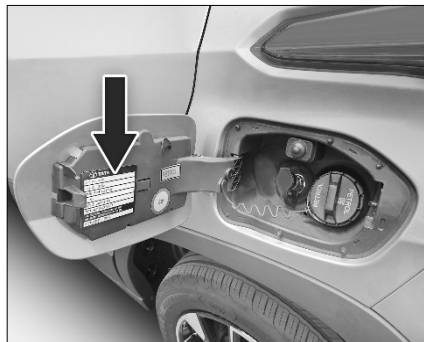
Fire Extinguisher is below Driver Seat. Remove from behind the Seat.

Fire extinguisher sticker

ICNG SUPPLEMENT

CNG COMPLIANCE PLATE

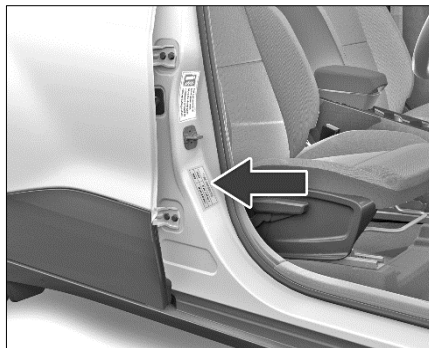
Compliance plate is fitted in fuel flap with CNG kit identification and installation details.



Compliance plate

CNG cylinder needs to be recertified every three years (or as per latest government notification). Please ensure that it is done by TATA MOTORS authorized service centre and the new date is engrave on the plate.

RECOMMENDED TYRE PRES-SURE



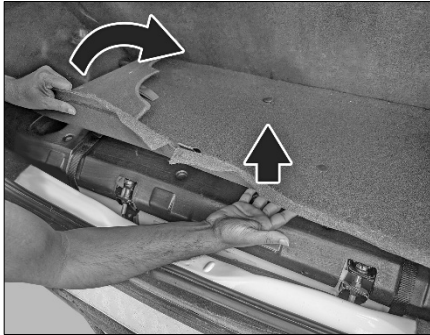
Tyre Size	Front (psi/bar)	Rear (psi/bar)
185/70 R15 89H	32 psi (2.20 bar)	
195/60 R16 89H		

NOTE

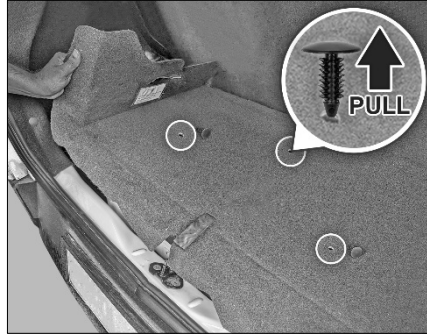
- *Maintain tyre inflation pressure as per the specific mentioned in tyre pressure sticker.*
- *Regular tyre and spare tyre to be checked for correct tyre inflation pressure at least once a month.*

SPARE WHEEL REMOVAL (if equipped)

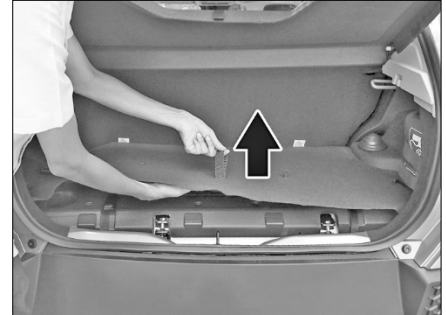
- Open the tailgate to access the luggage compartment.
- Fold and lift the luggage cover.



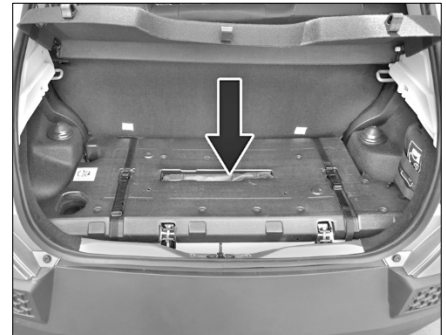
- Carefully remove the clips that hold the cover in place.



- Hold the strap securely and lift the luggage carpet

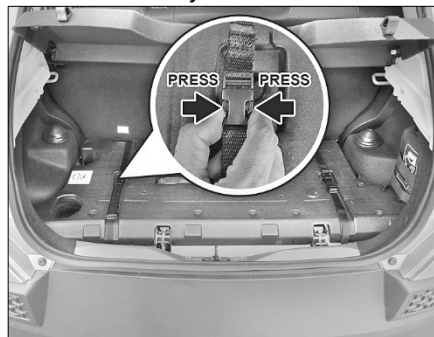


- Take out spare wheel removal tool.

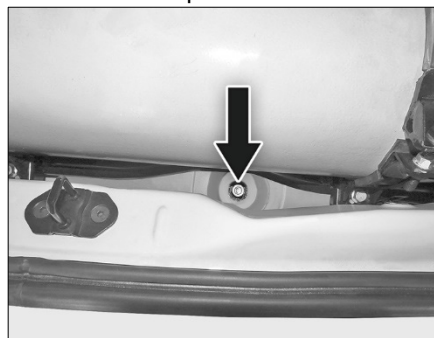


iCNG SUPPLEMENT

- Open the black color stripes and remove the cylinder cover.



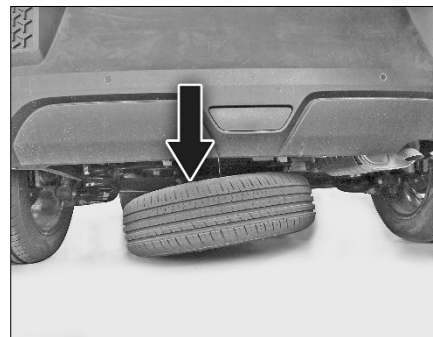
- Access the spare wheel winch nut.



- Insert the spare wheel removal tool. Rotate anticlockwise to unscrew the retaining bolt till spare wheel rests on the ground.



- As the retaining bolt gets loosened, the spare wheel lowers down as shown.

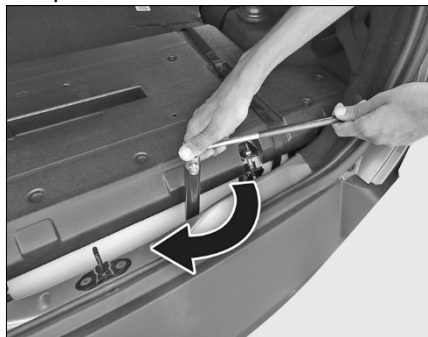


- Remove the holding bracket from the spare wheel and get the spare wheel separated.



Spare Wheel Fitment Process

- Engage the holding brackets in spare wheel.
- Insert the spare wheel removal tool and rotate clockwise to lift the spare wheel.



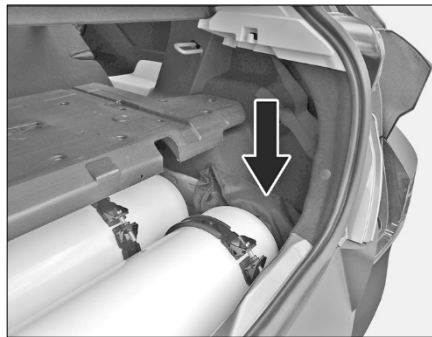
- Rotate the drive nut till the tyre rests on chassis & continue to rotate in the same direction until the winch trips at override torque three times min with “clack” noise.

NOTE

- *Always use only the recommended size of wheel rims & tyres. Use of non-recommended rims and tyres may have an adverse effect on car safety.*

iCNG SUPPLEMENT

TOOL KIT



Near CNG cylinder

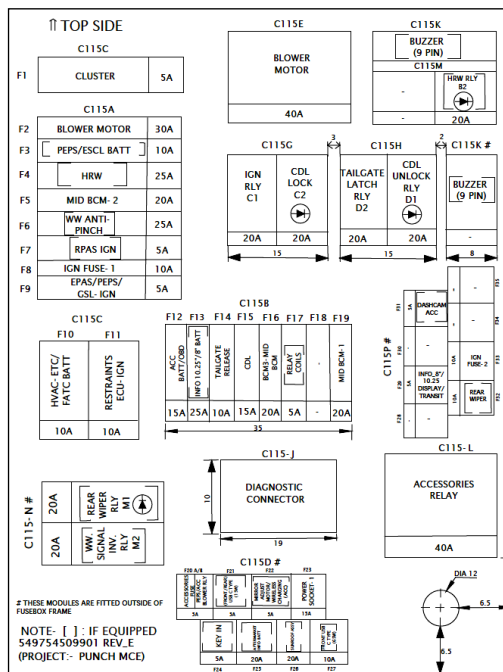
PUNCTURE REPAIR KIT LOCATION (if equipped)



In luggage compartment

19. FUSE BOX

i. Cabin Compartment



SN	Function	Fuse Rating
F1	CLUSTER	5A
F2	BLOWER MOTOR	30A
F3	PEPS/ESCL ECU-BATT	10A
F4	HEATED REAR WINDOW	25A
F5	MID BCM-2	20A
F6	WW ANTI-PINTCH	25A
F7	RPAS	5A
F8	IGN FUSE-1	10A
F9	EPAS/PEPS/GSL IGN	5A
F10	HVAC/FATC	10A
F11	RESTRAINTS CONTROL MODULE	10A
F12	ACC BATT/OBD	15A
F13 A	INFO 8" BATT	25A
F13 B	INFO 10.25"	25A
F14	TAILGATE RELEASE	10A
F15	CDL	15A

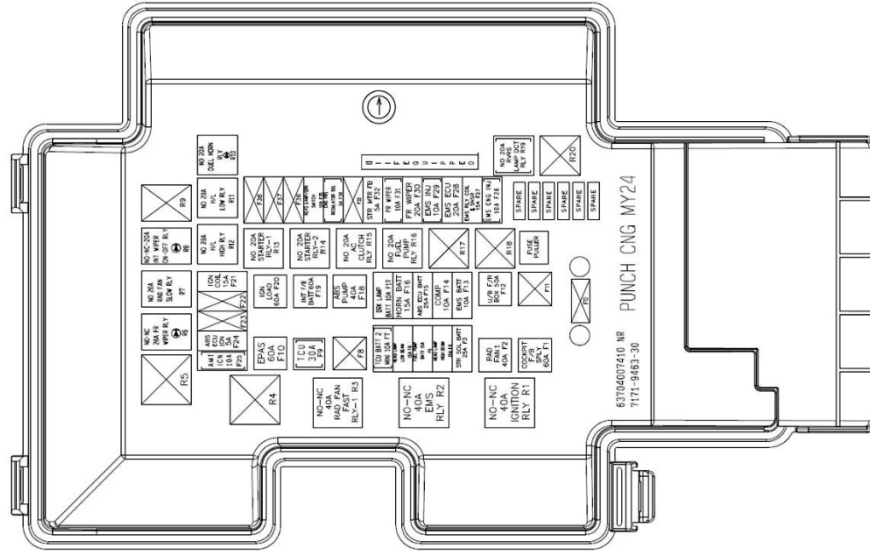
ICNG SUPPLEMENT

SN	Function	Fuse Rating
F16	MID BCM-3	20A
F17	RELAY COILS	5A
F18	—	—
F19	MID BCM-1	20A
F20 A	PEPS/BLOWER RLY	5A
F20 B	ACCESSORIES FUSE	5A
F21	(FRONT/REAR) USB C TYPE -15W	5A
F22	WIRELESS CHARGING (ACC)	5A
F23	POWER SOCKET-1	15A
F24	KEY IN	5A
F25	AFTERMARKET INFO-BATT	20A
F26	SUNROOF	15A
F27	FRONT USB C-TYPE (65W)	10A
F28	—	—
F29	INFO 8"/10.25" DISPLAY/ TRANSIT	5A
F30	—	—

SN	Function	Fuse Rating
F31	DASHCAM ACC	5A
F32	REAR WIPER	10A
F33	IGN FUSE-2	10A

SN	Function	Relay Rating
C115K	BUZZER	NA
C115M-B2	HRW RLY	20A
C115E	BLOWER MOTOR RLY	40A
C115G-C2	CDL LOCK RLY	20A
C115G-C1	IGN RLY	20A
C115H-D1	CDL UNLOCK RLY	20A
C115H-D2	TAILGATE LATCH RLY	20A
C115L	ACC RELAY-1	40A
C115-N1	REAR WIPER RLY	20A
C115-N2	WW. SIGNAL INV. RLY	20A

ii. Engine Compartment (Under bonnet)



SN	Function	Fuse Rating
F26	EMS CNG INJECTOR	10A
F34	CNG PRESSURE REGULATOR SOL	5A

ICNG SUPPLEMENT

TECHNICAL SPECIFICATIONS

PARAMETER	PETROL + CNG
Engine (Bi-Fuel :Petrol +CNG)	
Model	1.2L NA Gen1+ Bi-fuel CNG engine
Type	Bifuel CNG , 4 stroke MPFI, inline 3 cylinder with 4 valves per cylinder
No. of cylinders	3
Capacity	1198 cc
Max. engine output CNG mode	54 kW @ 6000 rpm
Max. torque CNG mode	103 Nm @ 3500 rpm
Firing order	1-2-3
Oil capacity	3.5L
Emission compliance	Bharat stage VI phase 2
Cooling system capacity	4.1 L (water + coolant)
Fuel Capacity	
CNG	60 litres of water capacity (30 + 30 litres)

PRELIMINARY TROUBLE SHOOTING

These tips are given for your guidance. These preliminary checks can be carried out in case of emergency. In normal cases the problems should be attended by TATA MOTORS authorized service centre.

SN	PROBLEM OBSERVED	PROBLEM CAUSE	ACTION TO BE TAKEN
1	Engine does not start	Fuel Lid Open	Close Fuel lid
2	Engine cranks but does not start - CNG Mode	No CNG	Refill CNG
		Fuel Lid Open	Close Fuel lid
		CNG filter / fuel lines choked	Get CNG filter replaced at TATA MOTORS authorised service centre
		CNG regulator solenoid not operating	Contact TATA MOTORS authorised service centre
		Error logged in ECU	Contact TATA MOTORS authorised service centre
3	MIL / SIL are ON / blinking continuous, even after start.	Fault(s) are detected by ECU	Get the vehicle checked and rectified at TATA MOTORS authorised service centre.

iCNG SUPPLEMENT

SN	PROBLEM OBSERVED	PROBLEM CAUSE	ACTION TO BE TAKEN
4	Vehicle doesn't change over to CNG mode when change over switch is pressed	Manual shut off Valves on cylinder closed	Open manual shut off valves
		Check CNG Level on instrument cluster.	Refill CNG if level shows empty.
		Both conditions are ok, and the car is still not changing over to CNG	Have your vehicle checked by TATA MOTORS authorised service centre.

SERVICE SCHEDULE

Note: 1.Vehicle operating in Severe Driving Conditions, conditions are given at the end of this schedule.

2. Beyond 150000 carry out the same services at the same intervals of 7500 kms respectively.

Periodic Maintenance Schedule		Free Service			Paid Service																	
Service Intervals In Km (kilometer) Or Months Which-ever Comes Earlier	kms	1500	7500	15000	22500	30000	37500	45000	52500	60000	67500	75000	82500	90000	97500	105000	112500	120000	127500	135000	142500	150000
	Months	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
I: Inspect (Check, Clean, Correct, Top Up, Adjust, Repair, Replace As Necessary) T: Tightening Torque R: Replace																						
1	Check all joints in low pressure & high pressure line, CNG rail and hoses for leakage	-		I		I		I		I		I		I		I		I		I		I
2	Check solenoid valves check operation of pressure regulator and ensure regulator vacuum port is not blocked.	-		I		I		I		I		I		I		I		I		I		I
3	Check mountings of filler valves, sensor, regulator assembly, cylinder cradle.			I		I		I		I		I		I		I		I		I		I

ICNG SUPPLEMENT

Periodic Maintenance Schedule		Free Service			Paid Service																	
Service Intervals In Km (kilometer) Or Months Which-ever Comes Earlier	kms	1500	7500	15000	22500	30000	37500	45000	52500	60000	67500	75000	82500	90000	97500	105000	112500	120000	127500	135000	142500	150000
	Months	2	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
I: Inspect (Check, Clean, Correct, Top Up, Adjust, Repair, Replace As Necessary) T: Tightening Torque R: Replace																						
4	Replace the filter cartridge and O ring, drain oil from the filter body	Replace Every 30,000 km / 36 Months whichever comes earlier.																				
5	Replace the filler valves/receptacle O-ring	Replace Every 300,000 km / 4 years whichever comes earlier.																				
6	Recertification of tank / cylinder. (As per latest government norms from the date of initial testing by govt. approved testing agency.)	To be done every 3 years.																				
7	Engine oil and Oil filter	Change every 10,000 km / 12 months, whichever comes earlier.																				

Note: This service schedule is in addition to existing main schedule of respective vehicle.

Frequency is marked in kms.

Kms or months whichever occurs earlier.

LUBRICANT SPECIFICATION

Item	Specification	Company	Brand	Quantity
Engine oil	T- PRO 1000	Tata Motors Passenger Vehicles Ltd.	Tata Motors Original Oil T-PRO 1000	4 L