



- Material Handling Equipment -

Forklift Starting – Troubleshooting Guide

LPG Gas forklifts

1. Forklift is not cranking/ turning over engine when key is turned

- Are lights displaying on the dash / do the headlights work?
- Yes - Move to the next step
- No- Flat battery, replace with 12-volt car battery yourself or call us to arrange for a technician
- Ensure unit is in neutral position on the directional switch
- Sit on the seat, put seatbelt on, handbrake on, foot on brake pedal
- Many modern units are wired to only start if operator presence is detected. Note seatbelt must be fastened after sitting on seat
- Is the forklift now cranking / turning over engine?
If yes - Move to next step
If no – Call our service department on 1300 000 168

2. Forklift is cranking but no ignition

- Check dual fuel switch – often on overhead guard or dashboard. Ensure it is in the LPG/CNG location. Note that Toyota and some American brands label the petrol setting as 'Gas', this is not LPG but the American term for petrol. Always ensure the switch is the LPG or CNG position.
- Check Gas bottle
If the horizontal indicator is on empty, remove and replace gas bottle then check fitting as below
Check gas fitting
- Gas bottle fitting must be fully tightened to work correctly and pass gas through to engine. Gap between bottle fitting and hose fitting should be approximately 5mm only. If it is more than this, remove fitting, turn off the bottle and re-tighten fitting to 5mm gap.
- Turn key to accessory setting first click and wait 10 seconds to allow gas to prime
- Hold foot on accelerator flat to floor
- Turn key to ignition and hold for 5 seconds-engine should fire
- Repeat these steps, if still unsuccessful call us to arrange a service technician on 1300 000 168

Remember the number one failure point is incorrect gas bottle, number two is flat battery and number three is lack of maintenance! Keep your manufacturer recommend service interval of every 6 months or 500 running hours by calling our service department on 1300 000 168.



JIALIFT AUSTRALIA PTY LTD

Call Us: 1300 000 168 Email: sales@jialift.com.au

46-48 Geddes St, Mulgrave VIC 3170 Open at 8:30 am - 5:30 pm, Monday-Friday



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Forklift Gas Bottle-Cylinder Removal Process

1. Be sure to wear your PPE (Personal Protect Equipment). For this process you should be wearing long sleeves, long rubberise gloves and eye protection
2. Make sure there is NO SMOKING or other ignition source in the area
3. Turn the empty gas bottle valve off (clockwise)
4. Disconnect the gas line by unscrewing the connector (anti-clockwise). Be aware and cautious, as a small amount of gas maybe released form the gas line upon disconnection
5. Release the brackets that hold the gas bottle
6. Remove the empty gas bottle from the forklift. Be sure to use sage lifting procedures
7. Store the empty bottle in your designated safe storage area. Always store in an upright position, even if you believe it to be empty

Forklift Gas Bottle-Cylinder Installation Process

1. Once again, be sure to wear the specified PPE
2. Make sure there is NO SMOKING or other ignition source in the area
3. Be sure the main valve on the full gas bottle is fully off. Check the O-rings in the connectors to be sure they are in good condition,
4. Using safe lifting procedures, place the full gas bottle centred in the brackets, with the Pressure Relief Valve located at the 12 o'clock position. When properly situated, secure the gas bottle by engaging the brackets. Make sure the straps are tight and secure
5. Connect the gas line to the gas bottle and tighten firmly (clockwise)
6. Turn the main gas valve ON (anti-clockwise) and spray the assembly with a soapy water solution to the check for any possible leaks. If you see any bubbling or smell any gas, the valve OFF and recheck the connection and O-rings. Do NOT leave the gas valve turned on or operate the forklift if you cannot fix the leak



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