

# **Marvtech**

**Truck Bodies**



## **Tipping Hotbox Manual**

Step-by-Step Instruction Manual for  
Marvtech's Tipping Hotbox

Switch the power on via the main isolator.  
The power on LED will illuminate white once active.



**Low Gas Pressure Warning**

Check the gas bottles. If you notice a flicker on this LED it indicates that the gas supply is running low.



**Burner Active LED**

After switching the burner on the burner fan will pre-purge for approx. 30 seconds before lighting. Once the burner is lit, the Burner Active LED will illuminate.



**Service Due**

If the service due LED is illuminated, please call Marvtech on 01282 774455 to arrange a service at your convenience.



**Burner Lockout Warning**

The burner will attempt to light 3 times before locking out. If this fails, the lockout reset push button will illuminate. Push and hold this button for 5 seconds to reset. If the burner locks out again, further investigation is required.



### Temperature Setting

To adjust the temperature setting press the  button



### Set Point

'SP' will now show, to adjust the temperature to your desired setting use the ^ and v buttons. To save desired temperature press the  button.



The instrument will automatically go back to its home screen after approximately 20 seconds. Ensure the lid is clipped shut to avoid any damage to control unit.



### Fitting the gas bottles

The gas bottles for the burner are mounted on the platform behind the cab. The space for the bottles is designed to fit 2x 47kg gas bottles. Connect both bottles to the pigtails using a 30mm spanner. The bottle connectors are left hand thread. Tighten the connectors and slowly open the tap on top of the bottles.



The changeover valve will now flag to green, the plastic arrow points to the bottle being used, rotate the arrow to draw from the second bottle.



### Operation of lids

The lid operation is carried out from inside the cab. The lever valves are mounted on the dashboard and control each lid independently. Open lid one first, followed by lid two. Close in the reverse order, closing lid two first followed by lid one. This allows the centre flashing to overlap correctly. Before operating the lids ensure no operatives are on the platform behind the vehicle cab as there are moving parts. Also ensure there is sufficient space above the body. Ensure the lids remain free from debris and asphalt build up



### **Tipping the body**

To tip or lower the body the PTO MUST be engaged. Marvtech hotboxes are fitted with a stabilised dual acting tipping gear and require hydraulic power for both the up and down operation. Failure to engage the PTO for both operations may result in hydraulic oil loss through the tank vent cap. Engage PTO using this switch:



The body can be raised or lowered using the lever valve fitted inside the cab:



Before any operation of the body is started you must ensure there are no operatives or bystanders close to the vehicle, that there is sufficient height above the tipper and there are no powerlines or obstructions overhead.

**DO NOT DRIVE THE VEHICLE WITH THE BODY RAISED.**

**DO NOT ENTER UNDERNEATH THE BODY UNDER ANY CIRCUMSTANCE.**

***\*THE ONLY EXCEPTION IS IF THE CORRECT BODY PROPS ARE IN PLACE BY A TRAINED ENGINEER.***

## General Maintenance

Daily checks and maintenance:

- Ensure there is no build-up of asphalt around the chutes.
- Ensure there is no build-up of asphalt around the lid runners and hinges.
- Check the operation of burner is in full working order.
- Check the lids are in full working order.
- Check the operation of the tipping action is in working order.
- Check for any gas leaks.
- Check for any air leaks.
- Check for Hydraulic leaks
- Check for damage to lids and chutes

Please refer to operator's manual for maintenance of the tipping gear. Including oil levels and oil grades.

## Breakdowns And Possible Solutions

Symptoms	Check
<b>The burner will not light</b>	<ol style="list-style-type: none"><li>1. Check the gas bottles are full</li><li>2. Check the gas valves are open at the front and rear</li><li>3. Reset the burner lockout by pressing and holding the reset button for 2 seconds</li><li>4. Has the gas opso triggered? – to reset this remove the clear plastic cap on top of the gas changer over valve and pull up on the brass plunger.</li><li>5. Contact Marvtech for over the phone tech help or a service visit should it be required.</li></ol>
<b>The burner lights then goes straight out</b>	Check soundness of the connection on the ht lead that runs from the igniter to the right side of the burner control unit (the red box on the back of the burner).
<b>Lids will not open</b>	<ol style="list-style-type: none"><li>1. Check for build-up of asphalt on or around the lids</li><li>2. Check the cylinders for any damage</li><li>3. Check the lid push arms for any damage</li><li>4 Check for any air leaks</li></ol>