

### Implementation, Installation, Adjustments

#### Pre-Start checks

1. Carry out any pre-start checks recommended by the vehicle manufacturer including coolant, fuel level and lubricant.
2. Check the general condition of the vehicle and Pyroban equipment as defined in the Routine Servicing section of this manual.
3. Ensure the battery isolator is switched on.
4. Ensure the gear selector is in the NEUTRAL position. The engine starter motor will not operate unless NEUTRAL is selected.



**DANGER!**

**If there is any doubt as to the satisfactory condition of the vehicle or Pyroban equipment, the person in authority must be consulted and any faults rectified before the vehicle may be used in a hazardous area.**

#### Starting system6000™

Before the vehicle can be operated, system6000™ must be started.



Open the valve on the test gas cylinder and ensure the gauge shows there is gas in the cylinder. The gauge should read more than 20 bar.



Ensure the emergency switch has not been applied and then turn the system6000™ on.



Place the blue Dallas key onto the key receptor of the Pyroban control module. A tone will be heard and all indicators on the control module will be illuminated simultaneously for a short period to confirm correct operation.



Progress of the start-up gas test is indicated by LED indicators 1, 2 and 3. LED 1 flashes during the warm up period and is illuminated continuously once the warm up time has expired. The duration of warm up period varies according to the state of the system. The warm up period may be zero if the gas head has already been on for sufficient time.

The (P) is the control module determining the type of Gas head fitted.

- (P) – Pellistor
- (I) – Infrared



### Starting system6000™ continued

Following warm up test gas is injected for a number of seconds to check the response of the gas head(s). LED 2 flashes during test gas injection. On detection of a good response LED 2 is illuminated continuously.

Following test gas injection the system checks that the gas head is not blocked by timing the diffusion of gas out of the head. During the diffusion phase LED 3 flashes.



On successful conclusion of the start-up gas test the green tick is illuminated indicating that the truck is enabled. In the event of a start-up gas test failure the 'book symbol' will flash and LED 2 or LED 3 will remain flashing to indicate the cause of failure. This start-up sequence takes approximately 1 minute.

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### Starting the Vehicle

Ensure the hand brake is in neutral.

Before starting the engine you are required to open the air shutdown valve. Please read the instruction label above the inlet valve lever.

Ensure the air shutdown valve is placed in the start position. Push the lever to the START position. The valve will not latch and needs to be held in the start position.



Hold the air inlet shutdown valve lever in the forward position and then start the vehicle using the original vehicle key switch in the normal manner. Once the engine has started wait 3 seconds before releasing the air inlet valve shutdown lever. This is to allow the engine oil pressure to hold the valve automatically in the open position. Refer to the original vehicle operator manual for further guidance on operating the vehicle.