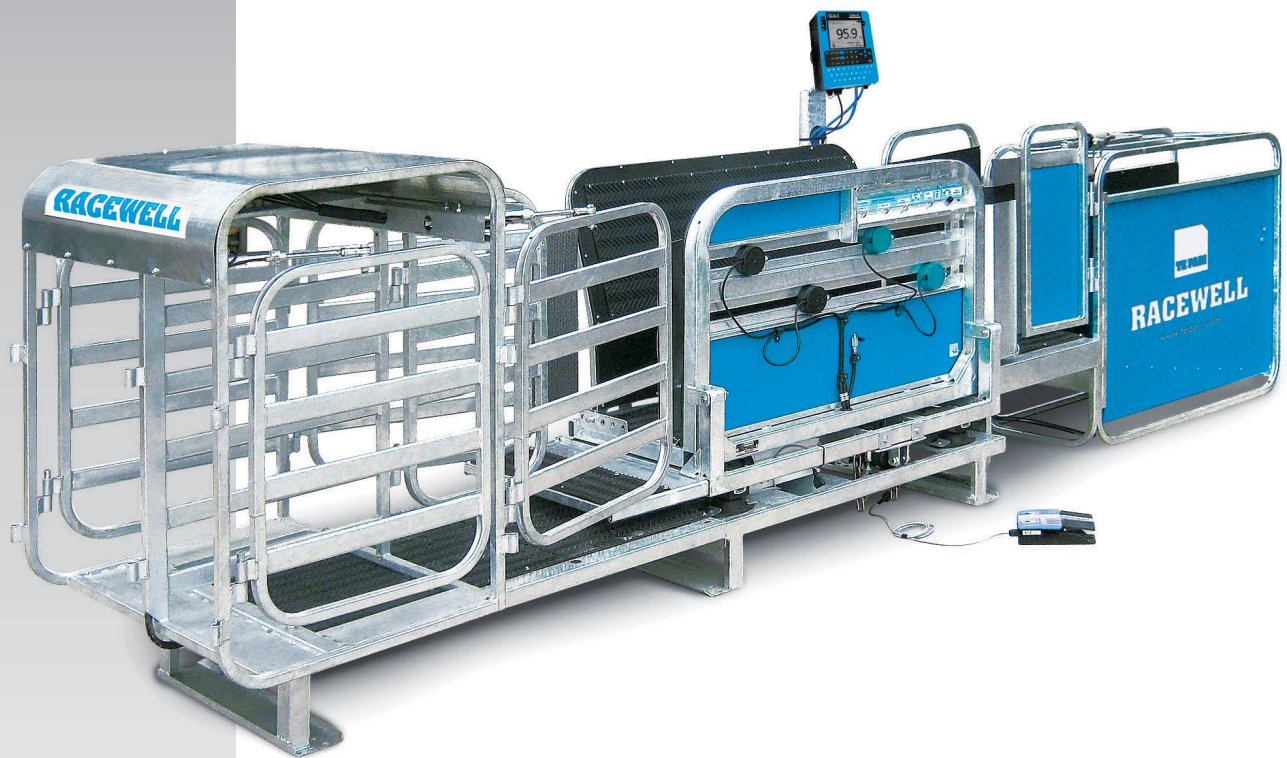


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# **Racewell HD3 - HD6 Sheep Handlers**



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**Trouble Shooter**

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### SHEEP HANDLER TROUBLE SHOOTING GUIDE

- Please check this trouble shooting guide before ringing service, often something quite simple will be the problem.
- A service charge will be made for call outs if the fault is not covered by your warranty.
- When testing the unit without sheep ensure at least one green and one black eye are covered, covering either of the green eyes on their own will only close the auto gate.
- Ensure the black potentiometer dial is not turned right down (anticlockwise) when testing.
- For your safety, and that of others, never leave the unit operational when not attended.

<b>SYMPTOM No power at unit and it won't go</b>	
Possible causes	Possible solutions
12v adaptor not getting power Faulty extension cords to 12V adaptor Faultly 12v Adaptor	Check the 12v adaptor "jug" cord is firmly connected Check all extension cords Check for external damage to the adaptor and using a multimeter check the adaptor output is at least 11 volts
Faulty On/Off switch Wire loose/off in autobox No air to unit	Check the On/Off switch and wiring to it Check wiring generally for breaks or chew marks Check the air lines and compressor

<b>SYMPTOM Sheep unit doing unusual things</b>	
Possible causes	Possible solutions
Fluctuating power supply Faulty Catch/Release switch Faulty compressor	Check power and compressor and for stable weight Check air lines and wiring Check compressor is operating correctly

<b>SYMPTOM Auto gate flapping</b>	
Possible causes	Possible solutions
Magic eye/s obscured by dust or wool	Check the green magic eyes for dust on the lenses Also check they have no loose wool in front of them

<b>SYMPTOM Sheep are not being caught</b>	
Possible causes	Possible solutions
Eye not covered or in the wrong position	Ensure the green eye is covered Check the magic eye positions

<b>SYMPTOM Older drafter working slowly or slamming (older units only with 3x Ø6mm pipes to drafter rams)</b>	
Possible causes	Possible solutions
Faulty flow control Ram pressure set incorrectly	Flow control may need replacement Adjust pressure on service rams

<b>SYMPTOM Drafting the wrong way for preset weights or Drafting gates hit and stick together when on auto</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
	Ensure the manual draft switch is in the central position
<b>SYMPTOM Everything works apart from the drafter</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Indicator not talking to drafter	Check coms cable between indicator and autobox for damage Ensure autodrafting option on your indicator is active
<b>SYMPTOM Parts of the unit are working slowly</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Constricted, broken or punctured air lines	Check the airlines Ensure no part of the unit is resting upon the airlines
<b>SYMPTOM Crush wall is not operating quickly enough</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Low air pressure	Check the compressor
<b>SYMPTOM Tilt going back or creeping over</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Faulty switch Faulty solenoid Air leak	Repair or replace the switch Replace solenoid Check joints and lines and remedy as required
<b>SYMPTOM Unit is not catching properly</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Low air pressure Eye not working Dirty magic eye Incorrect eye positions	Check compressor output is above 100psi at all times Check magic eye and cables for damage Remove wool and/or dust from the magic eye lenses Adjust positions so 1x green and 1x black eye get covered
<b>SYMPTOM Unit slowly releases after sheep are clamped</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Air may be leaking from the dump valve  Catch solenoid may be faulty Damage to cylinder piston	Check for air leaks beneath the squeeze ram and on the black airline under the unit  Check solenoid Check piston
<b>SYMPTOM Wall pressure is high all the time</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Faulty potentiometer	Check and adjust or replace as required

<b>SYMPTOM The unit is not holding the sheep</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
The unit is designed to operate at 90-130psi	<p>Check the ram adjustment on the moving walls allows the ram to apply pressure to the wall</p> <p>Check the increase/decrease knob on the dashboard is turned up enough</p> <p>Ensure any regulator on the compressor is set to maximum pressure or removed</p>
<b>SYMPTOM Sheep slipping when wall is closed</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
<p>Potentiometer (increase/decrease knob)</p> <p>Wall position</p> <p>Air leak</p>	<p>Adjust upwards to increase pressure</p> <p>Ensure position is correct for animal size, when a sheep is held the top flat of the crush wall should be about vertical</p> <p>Check for air leaks to ram and replace hosing</p>
<b>SYMPTOM Sheep are getting too far through the unit</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
<p>Wall not adjusted for animal size</p> <p>Eye lengths are too short</p> <p>Potentiometer (increase/decrease knob)</p> <p>Compressor</p> <p>Air leak</p>	<p>Adjust the wall</p> <p>Adjust eye length - minimum is 100mm</p> <p>Adjust upwards to increase pressure</p> <p>Check pressure is 100psi cut in and 120-130psi cut out</p> <p>Check if crush cylinder needs lubricating</p>
<b>SYMPTOM Machine is closing without any sheep</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
<p>Dirty eyes</p> <p>Eye length is too long</p>	<p>Clean eyes and ensure they are free from dust, wool etc.</p> <p>Adjust length in holder</p>
<b>SYMPTOM Reduction in air pressure</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Water trap filters	should be checked visually every 3 months and replaced as required
<b>SYMPTOM Remote control is not working properly or at all</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
<p>Flat remote control battery</p> <p>Remote is not programmed to your unit</p>	<p>Check and replace as required</p> <p>Program remote to your unit by turning on the unit then:</p> <p>For a 4 button remote press down buttons 1 and 2 for 10 seconds.</p> <p>For a 2 button remote hold down both buttons for 10 seconds.</p>

<b>SYMPTOM Eyes are not working</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Faulty eye switch Dirty or broken eye Eye cables broken or frayed	Replace Clean and re-check, replace if required Replace cable from autobox to eyes
<b>SYMPTOM The indicator displays -----</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
There is a problem with the loadbars	Contact the manufacturer
<b>SYMPTOM Indicator readout is fluctuating or not zeroing</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Plugs not completely connected Plugs are damp Battery is not adequately charged Unit is damp Electrical interference	Check the plug that goes over the loadbar collar is not preventing the pins from engaging properly Check loadbar cables are firmly in place, don't over tighten Check for moisture - clean with methylated spirits Ensure dust caps are screwed together Check battery charge state Check indicator to unit cord Electrical interference from a short on a electric fence can affect your indicator Battery and unit charges must be kept dry
<b>SYMPTOM Not automatically drafting or releasing</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Comms cable fault Incorrect indicator settings	Communication cable from indicator to unit is damaged or has dirty terminals - clean terminals with CRC Communications cable is in the wrong port (Tru-Test) Check your indicator settings are correct
<b>SYMPTOM Tru-Test indicator displays "Wait for Trigger"</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Dirty eyes Faulty "Y" or Comms cable	Clean eyes Check the "Y" and Communications cables and the cables pins for damage, replace if required
<b>SYMPTOM Indicator not zeroing</b>	
<b>Possible causes</b>	<b>Possible solutions</b>
Tension in loadbars	Refer to the scale manual Loosen 4 top bolts on loadbars, if they settle they may require a washer in 1 corner Loadbars may require servicing

